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ENR1
通则和程序
GENERAL RULES AND PROCEDURES

ENR1.1
通则
General rules

1. 通则

1.1 航空器在中华人民共和国飞行情报区内飞行，应遵守国际民用航空公约附件 2、附件 11 和 4444 文件中的有关规定和程序。

注：具体差异详见 GEN1.7

1.2 航空器在中华人民共和国飞行情报区内飞行，还必须遵守《中华人民共和国民用航空法》、《中华人民共和国飞行基本规则》，以及《中国民用航空空中交通管理规则》等法规。

1.3 一般规定

1.3.1 航空器进、出中华人民共和国飞行情报区，必须按照规定向中华人民共和国有关机关提出申请，经批准后方可执行。

1.3.2 未经批准擅自进、出中华人民共和国领空的航空器，中华人民共和国有关机关有权采取必要措施，令其在指定的机场降落。

1. General rules

1.1 All aircraft operating within the FIRs of the People's Republic of China shall follow the rules and procedures of ICAO Annex 2, Annex 11 and Doc 4444.

Note: Please refer to subsection GEN1.7 for specific differences.

1.2 All aircraft operating within the FIRs of the People's Republic of China shall also abide by the Civil Aviation Law of the People's Republic of China, the General Flight Rules of the People's Republic of China, and the Rules Governing the Air Traffic Management of China Civil Aviation etc.

1.3 General regulations

1.3.1 All aircraft shall be subject to approval in accordance with the relevant provisions of the People's Republic of China for entry into or exit from the FIRs of the People's Republic of China.

1.3.2 The relevant authority of the People's Republic of China has the right to take necessary actions against any aircraft if it flies into or out of the territorial airspace of the People's Republic of China without authorization and order it to land at a designated aerodrome.

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1.3.3 航空器在中华人民共和国飞行情报区内的航路飞行时，由中国民用航空局负责提供空中交通管制服务、飞行情报服务和告警服务。

1.3.3 When aircraft fly along airways within the FIRs of the People's Republic of China, the Civil Aviation Administration of China shall provide the aircraft with the air traffic control service, flight information service and alerting service.

1.3.4 航空器进、出中华人民共和国飞行情报区违反 ENR 1.1 第 1.1 和 1.2 款规定的，中华人民共和国有关空中交通管制部门有权采取措施，令其纠正。情节严重的，有关部门可以采取必要措施，直至迫使其在指定机场降落。

1.3.4 Where an aircraft in entry into or exit from the FIRs of the People's Republic of China is found in violation of the provisions of subsection ENR 1.1, item 1.1 and item 1.2, the relevant air traffic control department of the People's Republic of China has the right to take actions and order it to make remedial action and, in serious case, to take necessary measures to the extent of forcing it to land at a designated aerodrome.

1.4 空中交通管制运行管理

1.4 ATC operational management

1.4.1 一般规定

1.4.1 General regulationsa.

a.在中华人民共和国飞行情报区内飞行，航空器必须按照批准的航路、机场飞行。

a. All aircraft flying within the FIRs of the People's Republic of China are required to operate along the approved airways and at the designated airports.

b.航空器必须在指定的无线电频率上与中华人民共和国有关空中交通管制部门联络并接受管制。如需改变规定的航行诸元，必须向空中交通管制部门提出申请，经批准后方可执行。

b. All aircraft shall establish contact with the relevant ATC department of the People's Republic of China on the assigned radio frequencies and accept its control.Any change in the specified parameters of air navigation shall be filed with the ATC and subject to its approval prior to implementation.

1.4.2 位置报告

1.4.2 Position reporting

1.4.2.1 航空器飞入或者飞出中华人民共和国飞行情报区必须按照规定的航路飞入或者飞出。飞入或者飞出前 20 至 15 分钟，其机组必须向中华人民共和

1.4.2.1 When an aircraft flies into or out of the FIRs of the People's Republic of China, it shall fly on the specified airways. Within a time limit of 15 - 20 minutes

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国有关空中交通管制部门报告，并取得飞入或者飞出领空的许可；未经许可，不得飞入或者飞出。

before entry or exit, the aircrew of the aircraft shall report to the relevant air traffic control department of the People's Republic of China, and obtain a clearance to fly across the the FIRs boundaries in entry or exit. Without such clearance no aircraft is permitted to make entry into or exit from the FIRs boundaries.

1.4.2.2 航空器飞越规定的位置报告点，应当立即向有关的空中交通管制部门作位置报告。位置报告的内容:

a.航空器呼号;

b.位置;

c.时间;

d.飞行高度（飞行高度层）和飞行条件;

e.预计飞越下一位置的时间或者预计到达降落机场的时间;

f.空中交通管制部门要求的或者机组认为需要报告的其他事项。

1.4.2.2 Aircraft flying over a specified reporting point shall immediately make a position report to the relevant ATC unit. A position report shall contain:

a. Aircraft call sign;

b. Position;

c. Time in hours and minutes;

d. Flight altitude (or flight level) and flight conditions;

e. Estimated time of flying over the next reporting point or estimated time of arrival at the aerodrome of landing;

f. Any other particulars requested by the ATC unit or deemed necessary to be reported by the aircrew.

1.4.2.3 航空器飞越管制区边界前，应向前方管制室报告预计进入时间、飞行高度（飞行高度层）和飞行条件。飞越管制区边界时，应分别向飞离和飞入的区域管制室作位置报告。

1.4.2.3 An aircraft shall report to the next ATC unit prior to crossing the boundaries of controlled areas such information as the expected crossing time, flight altitude (or flight level) and flight conditions. While crossing the boundaries of controlled areas, the aircrew shall make position reports respectively to the controlled ACCs they are entering and leaving.

1.4.3 机场塔台管制区域内的飞行

1.4.3 Flight within aerodrome tower control areas

1.4.3.1 机组自起飞前开车至飞离机场塔台管制区域止，或者自进入机场塔台管制区域起到着陆后关车止，必须同机场塔台空中交通管制员保持无线电通

1.4.3.1 The flight crew shall maintain radio communication with the air traffic controller of the control tower and strictly observe the prescribed

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信联络，并严格遵守通信规定。

communication procedures, from the time of starting aircraft engines for take-off up to the time of leaving the aerodrome tower control area, or from the time of entering the aerodrome tower control area up to the time of stopping aircraft engines after landing.

1.4.3.2 航空器开车，必须经过机场塔台空中交通管制员许可。航空器驾驶员应当在得到开车许可后五分钟内开车；如果不能按时开车，则原开车许可失效，应当重新请求开车许可。

1.4.3.2 Start-up of aircraft engines shall be subject to clearance from the air traffic controller of the control tower. The pilot shall start engines within five minutes after receipt of such clearance. In case he fails to do so, such clearance will become invalid and he shall request anew.

1.4.3.3 航空器滑行（牵引），必须经过机场塔台空中交通管制员许可。滑行或者牵引时，应当遵守下列规定：

1.4.3.3 Taxiing (towing) of aircraft shall be conducted with permission from the air traffic controller of the control tower and in compliance with the following provisions:

a.按照规定的或者空中交通管制员指定的路线滑行或者牵引；

a. An aircraft shall taxi or be towed along the specified route or the route assigned by the air traffic controller;

b.滑行速度应当按照相应航空器的飞行手册或者飞行员驾驶守则执行；在障碍物附近滑行，速度不得超过每小时 15 千米；

b. Aircraft, when taxiing, shall comply with the taxi speed restrictions laid down in the corresponding aircraft operations manual or pilot flight rules; the taxiing speed shall not exceed 15 kilometers per hour while taxiing in the proximity of obstructions;

c.航空器对头相遇，应当各自靠右侧滑行，并且保持必要的安全间隔；航空器交叉相遇，航空器驾驶员从座舱左侧看到另一架航空器时应当停止滑行，主动避让；

c. When two aircraft are approaching head-on, each shall keep to the right and maintain the required safe separation. When two aircraft are crossing, the pilot who sees the other aircraft on his left shall stop taxiing and give way to the other;

d.两架以上航空器跟进滑行，后航空器不得超越前航

d. When two or more aircraft are taxiing in succession,

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空器，后航空器与前航空器的距离，不得小于 50 米；

the succeeding aircraft shall not overtake the preceding one, and the longitudinal separation between them shall not be less than 50 meters;

e.夜间滑行或者牵引，应当打开航空器上的航行灯；

e. When taxiing or being towed during nighttime, aircraft shall switch on their navigation lights;

f.直升机可以用 1 米至 10 米高度的飞行代替滑行。水上航空器在滑行或者牵引中，与船只对头或者交叉相遇，应当按照航空器滑行或者牵引时相遇的避让方法避让。

f. Helicopters may fly at a height of 1 to 10 meters instead of ground taxiing.Seaplanes, when approaching head-on or crossing with a ship while taxiing or being towed, shall follow the avoidance procedures as appropriate for such occasions when two aircraft meet.

1.4.3.4 航空器的起飞许可

1.4.3.4 Take-off clearance.

a.航空器滑进跑道前，航空器驾驶员应当做好起飞前的检查和准备。经过塔台管制员许可，方可滑进起飞位置。航空器驾驶员得到起飞许可后，应当立即起飞；如果在一分钟内不能起飞时，航空器驾驶员必须再次请求起飞许可。

a. Before an aircraft taxis into the runway in use, the pilot shall complete his preflight preparations and checks. Taxiing into the take-off position is not allowed until the clearance from the aerodrome tower controller is obtained. An aircraft shall take off at once upon receipt of take-off clearance. If it fails to take off in one minute, the pilot shall request another clearance.

b.航空器起飞，应当使用全跑道。只有得到空中交通管制员的许可，方可不使用全跑道。

b. When taking off, an aircraft shall commence its take-off run from the take-off position near the runway threshold unless obtaining a clearance from ATC.

1.4.3.5 航空器的着陆许可

1.4.3.5 Landing clearance

航空器进近至机场着陆，应当经过机场塔台空中交通管制员许可。着陆后，应当迅速脱离跑道。

An aircraft may approach to land, only after a clearance has been obtained from the ATC controller of the control tower and shall break away from the runway as soon as the landing is completed.

1.4.3.6 等待

1.4.3.6 Holding

为了便于安排航空器降落的顺序，在航路和机场塔

To facilitate arrangement for aircraft's landing sequence,

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台管制范围的上空划有等待区域。

holding patterns are established along airways and within aerodrome tower control area.

1.4.3.6.1 等待空域的高度层:

8 400 米以下以及 8 900 米至 12 500 米每 300 米为一个等待高度层，12 500 米（不含）以上每 600 米为一个等待高度层。最低等待高度层距离地面最高障碍物的真实高度不得小于 600 米，距离起始进近高度或高不得小于 300 米。

1.4.3.6.1 Levels in holding patterns:

8 400m or below and from 8 900m up to 12 500m, each level is separated by 300m; above 12 500m by 600m. A minimum holding level will at least provide a clearance of 600m above the highest obstacle on the ground and at least 300m higher than the initial approach altitude/height.

1.4.3.6.2 在等待空域内飞行的航空器,必须按照管制员的管制指令，严格保持在规定的等待空域内并在指定的高度层飞行。

1.4.3.6.2 An aircraft in a holding pattern shall comply with the instructions issued by the air traffic controller to fly strictly at a designated flight level and within designated holding pattern.

1.4.3.7 进、离场飞行

航空器起飞后在机场塔台管制区域内的上升，降落前在机场塔台管制区域内的下降，都应当根据机场塔台或进近管制室管制员的指令，按标准进离场程序飞行。

1.4.3.7 Arrival and departure flights

Climb after take-off or descent before landing within an aerodrome tower control area shall be carried out in accordance with the instructions from the air traffic controller of the control tower or approach control office, and in compliance with the standard instrument arrival and departure procedures.

1.5 通信与联络

1.5.1 所有按照仪表飞行规则或目视飞行规则飞行的航空器，都应当配备必需的通信导航设备，以保证其能够与相关空中交通管制部门保持不间断的通信联络。

1.5.2 航空器与空中交通管制员之间的无线电通话使用英语或汉语，并执行中国民用航空局规定的通话用语标准。

1.5 Communication and contact

1.5.1 All aircraft operating under IFR or VFR shall be equipped with the necessary communication and navigation equipment in order to ensure uninterrupted liaison with the relevant ATC department.

1.5.2 Aircraft and ATC unit shall establish radio communication contact in English or Chinese, and shall abide by the standard phraseology specified in the

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CAAC's Radiotelephony Communications for Air Traffic Services.

1.5.3 当航空器无线电通信设备发生故障时，应当及时向空中交通管制部门报告，并按照空中交通管制部门发布的程序及《辅助指挥、联络的符号和信号》（详见表 1.1-1、1.1-2）中的规定执行。

1.5.3 In the event of failure of aircraft radio communication equipment, the pilot shall duly report this to ATC unit and comply with the procedures issued by ATC and the provisions specified in appendix (1) (2) “Symbols and Signals for Auxiliary Command and Liaison”(see Table 1.1-1, 1.1-2).

1.6 起飞和着陆的尾流间隔

1.6 Wake turbulence separation minima for take-off and landing

1.6.1 起飞间隔

1.6.1 Take-off separation minima

a.航空器起飞时，后面航空器应当与前面航空器保持安全的时间间隔，以防止后面航空器受前面航空器尾流的影响。

a. When an aircraft takes off behind another aircraft, a safe time separation shall be maintained between them, so as to avoid the effect of wake turbulence.

b.使用同一跑道或者间隔小于 760 米的平行跑道、交叉跑道以及预计起飞后航迹交叉的跑道起飞，最小时间间隔如下:

b. For aircraft taking off from the same runway, or parallel runways with a separation of less than 760m, intersecting runways or the runways from which the flight tracks may be expected to cross each other after taking off, the minimum time separations are as follows:

前面航空器 preceding aircraft	重型 heavy	重型 heavy	重型 heavy	中型 medium	中型 medium	中型 medium
后面航空器 succeeding aircraft	重型 heavy	中型 medium	轻型 light	重型 heavy	中型 medium	轻型 light
间隔 separation	2 分钟 2min	2 分钟 2min	3 分钟 3min	2 分钟 2min	2 分钟 2min	2 分钟 2min

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注:重型航空器:起飞全重大于 136 吨；中型航空器:起飞全重 7-136 吨；中型航空器:起飞全重 7-136 吨；轻型航空器:起飞全重等于或者小于 7 吨。轻型航空器:起飞全重等于或者小于 7 吨。

Note: Heavy aircraft is an aircraft with all-up weight of greater than 136 tonnes;Medium aircraft, with all-up weight of 7-136 tonnes;Medium aircraft, with all-up weight of 7-136 tonnes;Light aircraft, with all-up weight of 7 tonnes or less.

c.前面起飞的航空器与后面着陆的航空器之间的时间间隔，按照起飞间隔的规定执行。

c. Take-off separation minima shall be applied between the preceding aircraft, which is taking off, and the succeeding aircraft, which is landing.

d.在正侧风风速大于 3 米/秒时，起飞的时间间隔不少于一分半钟。

d. When a 90-degree crosswind exceeds 3m/sec, the time separation for take-off shall not be less than one and a half minutes.

1.6.2 着陆间隔

1.6.2 Landing separation minima

a.航空器着陆时，后面航空器应当与前面航空器保持安全的时间间隔，以防止后面航空器受前面航空器尾流的影响。

a. When an aircraft lands behind another aircraft, a safe time separation shall be maintained between them, so as to avoid the effect of wake turbulence.

b.使用同一跑道或间隔小于 760 米的平行跑道，进近着陆的最小时间间隔:

b. For aircraft approaching to land on the same runway or parallel runways with a separation of less than 760m, the minimum time separations are as follows:

前面航空器 preceding aircraft	重型 heavy	重型 heavy	重型 heavy	中型 medium	中型 medium	中型 medium
后面航空器 succeeding aircraft	重型 heavy	中型 medium	轻型 light	重型 heavy	中型 medium	轻型 light
间隔 separation	2 分钟 2min	3 分钟 3min	4 分钟 4min	2 分钟 2min	2 分钟 2min	3 分钟 3min

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注：航空器的分类见 ENR 1.1 第 1.6.1 款 b。

Note: Categories of aircraft, see subsection ENR 1.1, item 1.6.1.b.

c. 在正侧风大于 3 米/秒时，着陆的时间间隔不少于一分半钟。

c. When a 90-degree crosswind exceeds 3m/sec, the time separation between landings shall not be less than one and a half minutes.

2. 最低飞行高度

见 GEN 3.3 第 5 款。

2. Minimum flight altitude

See subsection GEN 3.3, item 5.

3. 物品的投掷

3.1 除在有关当局规定的条件下，并经有关空中交通服务部门以有关的资料、通知或许可予以指明，不得从飞行中的航空器上进行空投物品或者喷洒液体。

3.1 Nothing shall be dropped or sprayed from an aircraft in flight except under conditions prescribed by the appropriate authority and as indicated by relevant information, advice and/or clearance from the appropriate air traffic services department.

3.2 航空器在飞行中，不得向下投掷或者任其坠下能传播传染病的任何物品。

3.2 No articles capable of causing a communicable disease shall be thrown out or allowed to fall from an aircraft when it is in flight.

4. 特技飞行

除在有关当局规定的条件下，并经有关空中交通服务部门以有关的资料、通知或许可予以指明，航空器不得作特技飞行。

4. Acrobatic flight

No aircraft shall be flown acrobatically except under conditions prescribed by the appropriate authority and as indicated by relevant information, advice and/or clearance from the appropriate air traffic services department.

5. 拖曳和广告飞行

除在有关当局规定的条件下，并经有关空中交通服务部门以有关的资料、通知或许可予以指明，航空器不得拖曳航空器或者其他物件。

5. Towing and advertising flights

No aircraft or other object shall be towed by an aircraft, except in accordance with requirements prescribed by the appropriate authority and as indicated by relevant

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information, advice and/or clearance from the appropriate air traffic service department.

6. 时间和计量单位

航空器在中国境内飞行均使用协调世界时和公制计量单位。必要时，可以提供英制计量单位供航空器驾驶员参考。

6. Times and units of measurement

Coordinated Universal Time and Metric System shall be used within the territory of the People's Republic of China. When necessary, the British System Measurement Units may be provided to pilots for reference .

7. 空域结构

7.1 为提供飞行情报服务和告警服务,中国民用航空局划设了飞行情报区,具体内容参见 ENR 2。

7.2 为提供空中交通管制服务，中国民用航空局在飞行情报区内划设了管制区域、管制地带。

7. Airspace structure

7.1 For the provision of flight information service and alerting service, the Civil Aviation Administration of China has established flight information regions, which are published in the section ENR 2.

7.2 For the provision of air traffic control service, the Civil Aviation Administration of China has established control areas and control zones within the Flight Information Regions.

8. 空中禁区和飞行限制区

8.1 为了防止对公众安全和秩序造成损害，特别是出于对飞行安全的考虑，在必要的情况下，划设空中禁区、空中限制区和空中危险区。这些区域在航行资料汇编中公布。

8.2 航空器在飞行中，无论在任何情况下，均不准飞入划定的空中禁区。中国民用航空局对飞入空中禁区的航空器驾驶员，将给予严肃处理，并且对该航空器飞入空中禁区所产生的一切后果，不负任何责任。

8. Prohibited areas and flight restricted areas

8.1 Prohibited areas, restricted areas and danger areas are established, if necessary, for the prevention of harm to public safety or order, especially for the safety of air traffic. Such areas that have already been established are published in the AIP.

8.2 Under no circumstances, shall an aircraft enter a prohibited area. The Civil Aviation Administration of China will take serious disciplinary measures against the pilot of the aircraft entering such prohibited area and will take no responsibility for whatever consequences

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that may occur therefrom to the aircraft.

8.3 航空器必须遵守限制区的各项限制，避免发生危险影响飞行安全。

8.3 An aircraft shall obey various restrictions in connection with restricted areas, so as to avoid dangerous situation that may affect flight safety.

8.4 在危险区有活动期间，航空器均不准进入危险区，以免发生危险影响飞行安全。

8.4 During the period of activation of a danger area, an aircraft shall not enter the area, so as to avoid dangerous situation that may affect flight safety.

9. 跳伞

除在有关当局规定的条件下，并经有关空中交通服务部门以有关的资料、通知或许可予以指明外，不得进行跳伞活动。紧急情况下需要跳伞除外。

9. Parachute jumping

Parachute jumping, other than emergency parachute jumping, shall not be made except under conditions prescribed by the appropriate authority and as indicated by relevant information, advice and/or clearance from the appropriate air traffic services department.

10. 滑翔机的云中飞行

（待定）

10. Cloud flights with gliders

(to be developed)

11. 气球、风筝、自我驱动的飞行模型和飞行物的放飞

（待定）

11. Ascents of balloons, kites, self-propelled flying models and flying bodies

(to be developed)

表 1.1-1 辅助指挥、联络的符号和信号(1)

Table 1.1-1 SYMBOLS AND SIGNALS FOR AUXILIARY COMMAND AND LIAISON (1)

顺序 Nr.	含义 Meaning	昼间 Day Time	夜间 Night Time
1	请求起飞 Request take-off	飞行员向上举手 Pilot arm up	闪烁航行灯 Flashing navigational lights
2	允许起飞 Cleared for take-off	用白色信号旗向上指,然后指向起飞方向。White flag up, then pointing	打开绿色信号灯 Switching on green signal lights

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		to the take-off direction	
3	禁止起飞(或者滑行)Do not take off(or taxi)	用红色信号旗向上指或者向航空器前方发射红色信号弹 Red flag up or firing red signal cartridge ahead of the aircraft	打开红色信号灯或者向航空器前方发射红色信号弹 Switching on red signal lights or firing red signal cartridge ahead of the aircraft
4	请求着陆 Request landing	航空器通过跑道上空并且摇摆航空器 Flying over the runway and rocking the aircraft	航空器通过跑道上空并且闪烁航行灯或者打开着陆灯 Flying over the runway and flashing the navigational lights or switching on landing lights
5	允许着陆 Cleared to land	着陆地带铺设“T”字布或者发射绿色信号弹 Laying a "T" sign cloth at the touchdown zone or firing green signal cartridge.	打开“T ”字灯或者发射绿色信号弹 Switching on "T" light or firing green signal cartridge.
6	禁止着陆 Do not land	将“T”字布摆成“十”字形或者发射红色信号弹 Displaying a "+" sign instead of "T" sign cloth or firing red signal cartridge.	将“T”字灯改成“十”字形或者发射红色信号弹 Displaying a "+" light instead of "T" light or firing red signal cartridge.
7	命令全部飞机立即降落 All aircraft are ordered to land immediately	在“T”字布前 5 米处与横布平行放一横布 Laying a lateral cloth 5m beyond the "T" sign cloth.	连续发射绿色信号弹 Firing green signal cartridge continually.
8	请求立即强迫着陆 Request immediate forced landing	航空器通过跑道上空并且发出一颗或者数颗信号弹 Flying over the runway and firing one or several signal cartridge.	航空器通过跑道上空并且发出一颗或者数颗信号弹 Flying over the runway by the aircraft and firing one or several signal cartridge.
9	命令在备降机场着陆 Order to land at the alternate aerodrome.	在“T”字布位置摆一箭头式布,箭头指向备降机场 Laying an arrow-like cloth at the position of the "T" sign	在“T”字灯位置摆一箭头式灯光,箭头指向备降机场 Laying an arrow-like light at the position of

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		cloth with the arrowhead towards the alternate aerodrome.	"T" light with the arrowhead towards the alternate aerodrome.
10	命令在迫降地带着陆 Order to land at a forced landing strip.	将“T”字布摆在迫降地带 Displaying a "T" sign cloth at the forced landing strip.	关闭“T”字灯,用探照灯照射迫降地带 Switching off the "T" light and illuminating the forced landing strip with the searchlight.
11	在机场上空做右起落航线飞行 Make right-hand circuit over the aerodrome	在“T”字布前五米处用布摆一个三角形 Laying a cloth triangle 5m before the "T" sign cloth.	在“T”字灯前五米处用灯光摆一个三角形 Laying a lighting triangle 5m before the "T" light.
12	起落架未放下 Landing gear not down	将“T”字布分开五米或者发射红色信号弹 Separating the "T" sign cloth 5m longitudinally apart or firing red signal cartridge.	将“T”字灯分开五米或者发射红色信号弹 Separating the "T" light 5m longitudinally apart or firing red signal cartridge.
13	右起落架故障 Right landing gear out of order	将“T”字布横布右端折起 Folding the lateral right end of the "T" sign cloth.	
14	左起落架故障 Left landing gear out of order	将“T”字布横布左端折起 Folding the lateral left end of the "T" sign cloth	
15	前起落架故障 Nose landing gear out of order	在“T”字布前,纵布延长线上 10 米处,平行跑道铺设一纵布 Laying a longitudinal cloth parallel to the runway, 10m before the "T" sign cloth and right on its extended longitudinal center line.	
备注:“T”字布的尺寸:纵布的长度为 12 米,宽度为 2 米;横布及辅助布的长度为 9 米,宽度为 2 米;“T”字布的颜色:地面有雪用红色或者黑色,没有雪用白色。Note: Size of the "T" sign cloth: The longitudinal cloth is 12m in length, 2m in width; the lateral cloth and its auxiliaries are 9m in length and 2m in width.The colour of the "T" sign			

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cloth: Red or black if the ground is snow-covered; white if not snow-covered.

表 1.1-2 辅助指挥、联络的符号和信号(2)

Table 1.1-2 SYMBOLS AND SIGNALS FOR AUXILIARY COMMAND AND LIAISON (2)

序号 Nr.	信号类别 Types of signals	信号含义 Meanings of signals	
		飞行中的航空器 Aircraft in flight	地面上的航空器 Aircraft on ground
1	绿色灯光指向航空器 Green light directed to the aircraft	可以着陆 Cleared to land	可以起飞 Cleared to take off
2	红色灯光指向航空器 Red light directed to the aircraft	避让其他航空器并继续盘旋 Giving way to other aircraft and keeping on circling	停止 Stop
3	一连串绿色闪光指向航空器 Series of green flashing light directed to the aircraft	返回着陆 Turning back for landing	可以滑行 cleared to taxi
4	一连串红色闪光指向航空器 Series of red flashing lights directed to the aircraft	机场不安全,不要着陆 Aerodrome is unsafe. Do not land	滑离起飞滑跑位置 Taxi away from the take-off position
5	一连串白色闪光指向航	在此机场着陆并滑行到	滑回起飞滑跑位置

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	空器 Series of white flashing light directed to the aircraft	停机坪 Land at this aerodrome and taxi to the apron	Taxi back to the take-off position
6	红色信号弹 Red signal cartridge	暂不要着陆 Do not land for the moment	

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ENR1.10
飞行计划
Flight planning

1. 一般规定

1.1 航空器驾驶员、运营人或代理人都应当按照中国民用航空局有关主管部门批准的班期时刻或者批准的计划飞行。

1.2 如需改变班期时刻或者计划,应当在获得中国民用航空局有关主管部门许可后方可进行。

2. 飞经中国大陆飞行情报区的所有航空器必须向民航空管飞行计划处理中心提交飞行计划;飞经其他飞行情报区的所有航空器必须向相关空中交通服务单位提交飞行计划。

3. 飞行计划的提交

航空器营运人及其代理人应当不迟于预计撤轮挡时间前150分钟向民航空管飞行计划处理中心以及起飞机场的空中交通服务单位提交飞行计划。

4. 飞行计划的格式

按照《航行服务程序-空中交通管理》国际民用航空组织 4444 文件，第 15 版，第 1 次修订，的格式执行。

注：见表 1.10-1。

5. 飞行计划的变更

a.当航空器飞行计划预计或者已经推迟 30 分钟以上

1. General procedures

1.1 All aircraft operator or agent shall operate in accordance with the flight schedules or plans approved by the competent department of the Civil Aviation Administration of China.

1.2 If it is necessary to make some changes on a flight schedule or plan, it is required to obtain the permission from the competent department of the Civil Aviation Administration of China before the conduct of the flight.

2. All aircraft operating through the FIRs of the China Mainlad shall send FPL messages to the flight plan processing center. All aircraft operating through the FIRs of Hongkong and Taibei shall send FPL messages to the related ATS unit.

3. Submission of a flight plan

All aircraft operator or agent shall submit flight plan to the flight plan processing center and the ARO of the departure aerodrome at least 150 minutes before the EOBT.

4. The format of a flight plan

Flight plan shall be complied with the format specified in PANS-ATM ICAO Doc 4444, 15th edition, Rev. 1.

Note: See Table 1.10-1.

5. Changes to the submitted flight plan

a. An aircraft operator or his representative shall submit

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时，航空器营运人及其代理人应当立即提交飞行计划延误情况。

a delay when the departure of an aircraft is estimated to be delayed or has been delayed for more than 30 minutes.

b.当航空器飞行计划变更时，航空器营运人及其代理人应当于航空器预计撤轮挡时间前 45 分钟提交飞行计划修改。

b. An aircraft operator or his representative shall submit the CHG of the FPL at least 45 minutes before new EOBT.

c.飞行计划修改应在最后通知的预计撤轮挡时间后 210 分钟以内提交。

c. The CHG of the FPL shall be submitted within 210 minutes after the last EOBT.

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表/Table 1.10-1

飞行计划 FLIGHT PLAN

电报等级 PRIORITY
《≡FF →
收电地点和单位 ADDRESSEE(S)
《≡
申报时间 FILING TIME
→
发电地点和单位 ORIGINATOR
《≡
收电和(或)发电地点和单位全称 SPECIFIC IDENTIFICATION OF ADDRESSEE(S) AND/OR ORIGINATOR

报类 3 MESSAGE TYPE
《≡ (FPL
—
航空器识别标志 7 AIRCRAFT IDENTIFICATION
—
飞行规则 8 FLIGHT RULES
飞行种类 TYPE OF FLIGHT
《≡
架数 9 NUMBER
—
航空器型别 TYPE OF AIRCRAFT
按尾流分类 WAKE TURBULENCE CAT
/
设备 10 EQUIPMENT
/
《≡
起飞机场 13 DEPARTURE AERODROME
—
时间 TIME
《≡
巡航速度 15 CRUISING SPEED
—
高度 LEVEL
→
航路 ROUTE
《≡
目的地机场 16 DESTINATION AERODROME
—
预计经过时间 TOTAL EET 小时，分钟 HR.MIN
→
备降机场 ALTN AERODROME
→
第二备降机场 2ND ALTN AERODROME
《≡
其它资料 18 OTHER INFORMATION
—
《≡
续航能力 19 ENDURANCE
小时，分钟 HR.MIN
— E/
→
补充资料（在申报飞行计划电报中不发） SUPPLEMENTARY INFORMATION (NOT TO BE TRANSMITTED IN FPL MESSAGES)
机上人数 PERSONS
P/
→
应急无线电 EMERGENCY RADIO
R/ UHF U VHF V ELBA E
救生设备 SURVIVAL EQUIPMENT
→ S / 极地 POLAR P 沙漠 DESERT D 海洋 MARITIME M 丛林 JUNGLE J → 救生衣 JACKETS J / 灯光 LIGHT L 荧光 FLUORES F UHF U VHF V
救生船 DINGHIES
→ D / 数量 NUMBER → 载量 CAPACITY → 篷 COVER C → 颜色 COLOUR
《≡
航空器颜色和标志 AIRCRAFT COLOUR AND MARKINGS
A /
附注 REMARKS
→ N /
《≡
机长 PILOT IN COMMAND
C /
) 《≡
申报人 FILED BY

填写补充要求的预留位置 SPACE RESERVED FOR ADDITIONAL REQUIREMENTS

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ENR1.11
飞行计划电文配址
Addressing of flight plan messages

1. 飞行动态电报是指领航计划报以及与其有关的延误报、修订领航计划报、取消领航计划报、起飞报以及落地报(ICAO PANS-ATM 11.1.3)。

1. Flight movement messages in this context comprise FPL/CHG/DLA/CNL/DEP/ARR(Ref. ICAO PANS-ATM 11.1.3)。

2. 从北京飞行情报区、沈阳飞行情报区、上海飞行情报区、广州飞行情报区、武汉飞行情报区、三亚飞行情报区、昆明飞行情报区、兰州飞行情报区以及乌鲁木齐飞行情报区以内起飞的航班，航空器驾驶员、运营人或者其代理人应当按照按照下列规定，提交领航计划报及其有关延误报、修订领航计划报、取消领航计划报。

2. For the aircraft departing from Beijing FIR, Shenyang FIR、Shanghai FIR, Guangzhou FIR, Wuhan FIR, Sanya FIR, Kunming FIR, Lanzhou FIR, Urumqi FIR, The FPL/CHG/DLA/CNL message shall be submitted as follows:

2.1 应当向民航空管飞行计划处理中心 SITA 地址（PEKFP8X 和 SHAFP8X）提交领航飞行计划申请。拟通过 AFTN 提交领航飞行计划等电报申请的，应当事先与民航空管飞行计划处理中心签订协议并按照协议执行。

2.1 The FPL/CHG/DLA/CNL shall be submitted to Flight Plan Processing Center of ATMB via SITA, the addresses are (PEKFP8X and SHAFP8X). If the Airline operators need to submit those messages by AFTN, it shall sign an agreement with the Flight Planning Processing Center of ATMB in advance.

3. 从北京飞行情报区、沈阳飞行情报区、上海飞行情报区、广州飞行情报区、武汉飞行情报区、三亚飞行情报区、昆明飞行情报区、兰州飞行情报区、乌鲁木齐飞行情报区以外区域起飞，进入上述飞行情报区的所有民用航空飞行活动的飞行动态电报（FPL/CHG/DLA/CNL/DEP/ARR)按下列飞行动态电报收电地址拍发。

3. For the aircraft entering Beijing FIR, Shenyang FIR, Shanghai FIR, Guangzhou FIR, Wuhan FIR, Sanya FIR, Kunming FIR、Lanzhou FIR, Urumqi FIR, The FPL/CHG/DLA/CNL/DEP/ARR message shall be send to those ATS and ATFM service addresses as follows:

注：本条飞行动态电报是指国境外空管单位拍发给国内空管单位的飞行动态电报

Note: The FPL/CHG/DAL/CNL/DEP/ARR in this paragraph means these messages issued by the ATS unit

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（FPL/CHG/DAL/CNL/DEP/ARR）,其中 ARR 是指国内飞往国境外，由国境外相关单位拍发的 ARR。

outside FIRs above.

3.1 根据国际民航组织航行服务程序-空中交通管理（ICAO PANS-ATM Doc4444，第十六版）第 11.2.1.2.3 条规定。用于空中交通服务目的飞行动态电报，应当发送至沿航路相关飞行情报区收电地址详见表 1。

3.1 In accordance with ICAO PANS-ATM Doc 4444 11.2.1.2.3 Flight movement messages for ATS purposes shall be sent to the relevant FIRs AFTN addresses along the route as detailed in the Table1 below.

3.2 根据国际民航组织航行服务程序-空中交通管理（ICAO PANS-ATM Doc4444，第十六版）第 11.3.6 条规定，为提供流量管理服务目的，上述飞行动态电报应当加发民航局空管局运行管理中心（民航空管飞行计划处理中心地址）收电地址（ZBBBZFPM 和 ZSSSZFPM）。

3.2 In accordance with ICAO PANS-ATM Doc 4444 11.3.6, for the purpose of providing traffic flow management services, the flight movement messages above shall be send to the addresses (ZBBBZFPM and ZSSSZFPM).

4. 特殊要求

4. special addresses requirement

特定航班 Specific flight	地址 Addresses
East China Sea ADIZ(Refer ENR5.2.1)	ZBBBZGZX ZSACZQZX
R200 (BTN BEBEM and OLDID)	VHHKZQZX (FPL/CHG/DLA/CNL/DEP)

情 报 区 FIR		地 址 Addresses
北京飞行情报区	Beijing FIR	ZBPEZQZX
广州飞行情报区	Guangzhou FIR	ZGZUZQZX
昆明飞行情报区	Kunming FIR	ZPKMZQZX
兰州飞行情报区	Lanzhou FIR	ZLHWZQZX
三亚飞行情报区	Sanya FIR	ZJSAZQZX
上海飞行情报区	Shanghai FIR	ZSHAZQZX
沈阳飞行情报区	Shenyang FIR	ZYSHZQZX

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乌鲁木齐飞行情报区	Urumqi FIR	ZWUQZQZX
武汉飞行情报区	Wuhan FIR	ZHWHZQZX

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ENR1.12
民用航空器的拦截
Interception of civil aircraft

1. 总则

1.1 在中华人民共和国境内飞行的民用航空器，如果违反飞行规则，中华人民共和国有关机关有权采取必要措施，可以强迫其在指定的机场降落。

1.2 防空航空器拦截违反飞行规则的民用航空器和被拦截的民用航空器使用的信号，见表 1.12-1、1.12-2。

2. 被拦截航空器程序

2.1 一航空器被另一航空器拦截时，必须立即:

a.遵循拦截航空器所发的指示，按表 1.12-1、1.12-2 中的说明，理解并回答目视信号;

b.如可能，通知有关的空中交通服务部门;

c.试图与拦截航空器或与有关的拦截控制单位建立无线电通信。使用紧急频率 121.5 兆赫进行普叫，报告被拦截航空器的身份和飞行性质。如未建立联络或可能时，在紧急频率 243 兆赫上重复这一呼叫;

1. General rules

1.1 If a civil aircraft flying within the territory of the People's Republic of China is found in violation of flight rules, the relevant authority of the People's Republic of China has the right to take necessary action and force it to land at a designated aerodrome.

1.2 For signals used by the air defence aircraft intercepting a civil aircraft which is found in violation of flight rules, and signals used by the intercepted civil aircraft, please refer to Table 1.12-1, 1.12-2.

2. Procedures for intercepted aircraft

2.1 An aircraft which is intercepted by another aircraft shall immediately:

a. Follow the instructions given by the intercepting aircraft, interpreting and responding to visual signals in accordance with the specifications in Table 1.12-1, 1.12-2;

b. Notify, if possible, the appropriate air traffic service unit;

c. Attempt to establish radio communication with the intercepting aircraft or with the appropriate interception control unit, by making a general call on the emergency frequency 121.5MHz, giving the identity of the intercepted aircraft and the nature of flight and if no contact has been established and if practicable, repeating

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this call on the emergency frequency 243MHz;

d.如装有二次雷达(SSR)应答器，除非有关空中交通服务部门另有指示外，调到模式 A、编码 7700 上。

d. If equipped with SSR transponder, select mode A, code 7700, unless otherwise instructed by the appropriate air traffic service unit.

2.2 如果同拦截航空器建立了无线电联络，但不能使用一种共同语言进行通话时，必须试图采用下列字句和发音来表达指示和重要的情报及对指示的认收，并且每个字需讲二遍:

2.2 If radio contact with the intercepting aircraft is established but communication in a common language is not possible, attempts shall be made to convey instructions, acknowledgment of instructions and essential information by using the phrases and pronunciations described in the following table and by repeating each phrase twice:

字 句 Phrases	发 音① Pronunciation	意 义	Meaning
CALL SIGN②	KOL SA-IN	我的呼号是(呼号)	My call sign is (call sign)
WILCO	VILL-KO	明白,照办	Understood, will comply
CAN NOT④	KANN NOTT	不能照办	Unable to comply
REPEAT④	REE-PEET	重复你的指示	Repeat your instruction
AM LOST	AM LOSST	我迷航了	Position unknown
MAYDAY	MAYDAY	我遇险了	I am in distress
HIJACK③	HI-JACK	我被劫持	I have been hijacked
LAND… (place name)	LAAND… (place name)	我要求在……(地名)着陆	I request to land at (place name)
DESCEND	DEE-SEND	我要求下降	I require descent

拦截航空器在上述情况下可使用下列字句:

The following phrases are expected to be used by the intercepting aircraft in the circumstances described above.

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字　句 Phrases	发　音 Pronunciation	意　义	Meaning
CALL SIGN	KOL SA-IN	你的呼号是(呼号)	What is your call sign?
FOLLOW	FOL-LO	跟我来	Follow me
DESCEND	DEE-SEND	下降以便着陆	Descend for landing
YOU LAND	YOU LAAND	在此机场着陆	Land at this aerodrome
PROCEED	PRO-SEED	你可以继续飞行	You may proceed

注:①在第二栏中，重读音节已划线。

Notes:①In the second column, syllables to be emphasized are underlined.

②在用无线电话与空中交通服务部门联络时，需要指定一个呼号。该呼号应与飞行计划中注明的航空器识别标志一致。

②The call sign required to be given is that used in radiotelephony communications with air traffic services units and corresponding to the aircraft identification in the flight plan.The call sign required to be given is that used in radiotelephony communications with air traffic services units and corresponding to the aircraft identification in the flight plan.

③有些情况不允许，也不宜使用“HIJACK”一词。

③Circumstances may not always permit,mor make desirable,the use of the phrase "HIJACK".

④在特殊情况下，应使用“CAN NOT”和“REPEAT”二词，而不使用通常的“UNABLE”和“SAY AGAIN”二词，以便于理解。

④The phrases CAN NOT and REPEAT are used in this particular context, rather than the normal phrases UNABLE and SAY AGAIN, in order to facilitate understanding.

2.3 如通过无线电收到从任何来源的任何指示与拦截航空器所发的目视信号有所矛盾时，被拦截航空器在继续遵守拦截航空器所发的目视(信号)指示的同时必须要求立即澄清。

2.3 If any instructions received by radio from any sources conflict with those given by the intercepting aircraft by visual signals, the intercepted aircraft shall request immediate clarification while continuing to

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comply with the visual instructions given by the intercepting aircraft.

2.4 如用无线电从任何来源接到任何指示与拦截航空器用无线电所发者相矛盾时，被拦截航空器在一面继续遵守拦截航空器所发的无线电指示的同时，必须要求立即澄清。

2.4 If any instructions received by radio from any sources conflict with those given by the intercepting aircraft by radio, the intercepted aircraft shall request immediate clarification while continuing to comply with the radio instructions given by the intercepting aircraft.

表 1.12-1 拦截航空器先用的信号和被拦截航空器回答的信号

Table 1.12-1 SIGNALS INITIATED BY INTERCEPTING AIRCRAFT AND RESPONSE SIGNALS BY INTERCEPTED AIRCRAFT

组别 Series	处置 Actions	拦截航空器的信号 Intercepting Aircraft Signals	含义 Meaning	被拦截航空器的信号 Intercepted Aircraft Signals	含义 Meaning
1	信号告警 Signal warning	昼间:通常在目标机前侧方,摇摆机翼,由内向外做水平转弯,并可发射机尾陆空协同信号弹。夜间:同样动作,并不规则地闪烁航行灯。DAY: Normally rocking wings	你已越境(偏航)立即返回(恢复正常航线)。You have trespassed the national border (or off course) turn back (or return to the correct course) immediately.	昼间:摇摆机翼,并立即改变航向。夜间:同样动作,并不规则地闪烁航行灯。直升机:昼间或夜间,摇摆航空器,不规则地闪烁航行灯并改向飞行。Day:Rocking	明白,照办。Understood, will comply.

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		from a position on the front side of the target aircraft, a level turn from inside to outside and firing the ground-air coordination signal cartridge from tail of the aircraft.Night: The same and, in addition, flashing navigational lights at irregular intervals.		wings and changing the course immediately.Night:The same and, in addition, flashing navigational lights at irregular intervals.Helicopter:Day or night, rocking aircraft, flashing navigational lights at irregular intervals and changing the course.	
	动作警告 Maneuver warning	昼间:通常在我方一侧向其做小速度差的连续攻击动作。Day: Normally making the attacking action continually from inside of the frontier at a	越境飞机立即返回。Trespassing aircraft must turn back immediately.		

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		lower speed.			
	警告性射击 Warning firing	昼间或夜间:在被拦截目标的侧方,平行略靠前,用单炮向前方射击。 Day or night: At the side of the intercepted target, parallel to and slightly in front, firing ahead of it with one gun.	立即改变航向。 Change the course immediately.		
2	外逼 Forcing outwards	昼间或夜间: 在我方一侧,向目标机反复压坡度。 Day or night:From inside the frontier repeatedly banking the aircraft to the target aircraft.	向外飞行 Flight outwards	昼间或夜间:摇摆机翼,立即改变航向 Day or night:Rocking wings, changing the course immediately.	明白,照办 Understood, will comply.
		昼间:向目标做连续的攻击动			

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		作或采用大角度进入拦截的方法,进行冲击。夜间:向目标做连续的攻击动作。 Day: Making the attacking action continuously, or charging by intercepting at great angle.Night: Making the attacking action continuously to the target.			
	引导出境 Guiding out of frontier	1.昼间或夜间:摇摆机翼(夜间可不规则闪烁航行灯),用目标跟得上的速度向境外飞行。 1.Day or night:Rocking wings (flashing navigational lights at irregular	跟我来 Follow me.	昼间或夜间:摇摆机翼(不规则地闪烁航行灯),并跟随。 Day or night:Rocking wings (flashing navigational lights at irregular intervals) and following.	明白,照办。 Understood, will comply

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		interval at night) and flying outwards the frontier at a speed that the target can follow.			
		2. 接近边境做大于 90°的上升转弯急速脱离目标。不要穿越被拦截目标机的飞行路线。 2. Near frontier, an abrupt breakaway maneuver from the target consisting of a climbing turn of 90 degrees or more without crossing the line of flight of the target aircraft.	你可以前进 You may proceed.		
3	迫降 Forcing to land	1.昼间:在目标机左前方摇摆机翼,得到回答	你已被拦截跟我来。 You have been	昼间：摇摆机翼并跟随。夜间：同样动作,并不	明白,照办。 Understood, will comply.

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		后,向左以目标跟得上的速度做水平慢转弯,飞向指定机场。夜间:同样动作,并不规则地闪烁航行灯。1.Day:Rocking wings in left front of target aircraft, after acknowledgement, making a slow level turn and flying to the designated aerodrome at a speed that the target can follow.Night:The same and, in addition, flashing navigational lights at irregular intervals.	intercepted, follow me.	规则地闪烁航行灯。Day: Rocking wings and following.Night: The same and, in addition, flashing navigational lights at irregular intervals.	
		2. 到达机场后,在机场上空盘	可以在此机场着陆。	放下起落架,夜间持续打开着	

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		旋,长机放起落架,并沿着陆航向飞越跑道上空(夜间同样动作,并打开着陆灯),引导目标着陆。 2. After arriving at the aerodrome, lowering the landing gear and over- flying runway in use, the leader aircraft along the landing direction (Night: the same maneuver and, in addition, keeping landing lights on), guiding the aircraft to land.	Land at this aerodrome.	陆灯。 Day: Lowering landing gear.Night: The same and, in addition, keeping the landing lights on.	

表 1.12-2 被拦截航空器先用的信号和拦截航空器回答的信号

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Table 1.12-2 SIGNALS INITIATED BY INTERCEPTED AIRCRAFT AND RESPONSE SIGNALS BY INTERCEPTING AIRCRAFT

组别 Series	被拦截航空器的信号 Intercepted Aircraft Signals	含义 Meaning	拦截航空器的信号 Intercepting Aircraft Signals	含义 Meaning
4	昼间:高出场面 300 米以上但不高于 600 米飞越着陆跑道,收上起落架,在机场上空盘旋。 夜间:高出场面 300 米以上但不高于 600 米,飞越着陆跑道,闪烁着陆灯,在机场上空盘旋。如不能闪烁着陆灯,闪烁可利用的其他灯光。 Day: Raising landing gear (if fitted) and overflying runway in use at aheight exceeding 300m but	你所指定的机场不合适 Aerodrome you have designated is inadequate.	拦截机收上起落架并使用第三组第 1 项信号。在地面引导下,将目标引领到其他机场。 The intercepting aircraft raises its landing gear and uses the first signalsof Series 3. Under the guidance of the ground control, leading the targetaircraft to another aerodrome.	明白,跟我来。 Understood, follow me.
			如决定释放被拦截机使用第二组引导出境第 2 项信号。 If it is decided to	明白,你可以前进。 Understood, you may proceed.

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	not exceeding 600m above the aerodrome level, andcircling the aerodrome. Night: The same maneuvers, in addition, flashing landing lights continuously.If unable to flash landing lights, flash any other lights available.		release the intercepted aircraft, using the secondsignals of Series 2.	
5	昼间或夜间:规则地开关一切可供使用的灯光,但其方式要与闪烁灯光有所区别。 Day or Night: Regularly switching on and off all available lights but in suchmanner as to be distinct from flashing lights	不能照办 Cannot comply.	昼间或夜间:摇摆机翼,闪烁航行灯,跟踪监视其行动。 Day or Night: Rocking wings, flashing navigational lights at irregularintervals and following and keeping it under surveillance.	明白 Understood
6	昼间或夜间:不规则地闪烁一切可供使用的灯光。	在遇险中 In distress.		明白 Understood

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	Day or Night: Irregularly flashing all available lights.			

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ENR1.13
非法干扰
Unlawful interference

1. 航空器在飞行中遭遇非法干扰时,航空器驾驶员应将情况通知空中交通管制部门和飞行签派部门,并将二次雷达应答机置于模式 A、编码 7500。

1. The pilot of an aircraft that is being subjected to unlawful interference in flight shall notify an air traffic control unit or flight dispatch unit of this fact and in the meantime set his transponder to mode A, code 7500.

2. 当接到航空器驾驶员受到非法干扰的报告或者从二次雷达发现模式 A、编码 7500 信号时,空管部门将采取如下措施:

2. When an ATC unit receives a report from the pilot of an aircraft in flight being subjected to unlawful interference or finds code of mode A, code 7500 on SSR monitor, it shall take the following actions:

a. 使用各种手段了解航空器受非法干扰情况;

a. a. Use all methods available to identify the situation of the aircraft that is being subjected to unlawful interference;

b. 连续地发出空中交通情报和气象情报;

b. Transmit continuously air traffic and weather information;

c. 根据当时的情况,提供就近机场供航空器驾驶员选用;

c. Provide information on adjacent aerodromes for the pilot's option based upon the current situation;

d. 尽可能使用雷达监视该航空器的动向。

d. Monitor the movement of the aircraft by means of radar as far as practicable.

3. 航空器驾驶员如果不能将非法干扰情况通知空中交通管制部门时,应当继续沿指定的航迹和指定的巡航高度或者按照飞行计划所申请的航线和高度飞行,直到至少能通知一个空中交通管制部门。

3. If the pilot is unable to notify an ATC unit of this fact, he shall continue his flight on the assigned track and at the assigned cruising level or route and altitude filed in FPL at least until being able to notify an ATS unit.

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ENR1.14
空中交通征候
Air traffic incidents

发生空中交通征候的机组应到机场空中交通服务报告室，填写空中交通事件报告表(见表 1.14-1)

The flight crew of an aircraft involved in an air traffic incident is required to fill in an “Air Traffic Incident Report” form (see Table 1.14-1) at an Air Traffic Services Reporting Office.

1. 空中交通事件的定义

“空中交通事件”用来表示发生的与提供空中交通服务相关的严重事件。如:

a) 航空器接近;

b) 由下列原因（作为举例）所导致的会使航空器处于险情的严重问题:

1) 错误的工作程序

2) 不遵守工作程序，或

3) 地面设备故障。

1.1 航空器接近的定义

航空器接近：航空器驾驶员或空中交通服务人员认为，航空器之间的距离及其相对位置和速度已处于危及相关航空器安全的一种状态。

航空器接近的等级分类如下:

碰撞危险：存在严重碰撞危险的航空器接近。

安全无保证：可能已危及航空器安全的航空器接近。

1. Definition of air traffic incidents

“Air traffic incident” is used to mean a serious occurrence related to the provision of air traffic services, such as:

a) aircraft proximity (AIRPROX);

b) serious difficulty resulting in a hazard to aircraft caused, for example, by:

1) faulty procedures

2) non-compliance with procedures, or

3) failure of ground facilities.

1.1 Definitions for aircraft proximity

Aircraft proximity: A situation in which, in the opinion of the pilot or the air traffic services personnel, the distance between aircraft, as well as their relative positions and speed, has been such that the safety of the aircraft involved may have been compromised.

Aircraft proximity is classified as follows:

Risk of collision: The risk classification of aircraft proximity in which serious risk of collision has existed.

Safety not assured: The risk classification of aircraft

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proximity in which the safety of the aircraft may have been compromised.

无碰撞危险：不存在碰撞危险的航空器接近。

No risk of collision:The risk classification of aircraft proximity in which no risk of collision has existed.

危险性不确定：尚无足够情报确定有关危险的出现，或无法定性，或自相矛盾的证据排除了对危险接近的定性。

Risk not determined: The risk classification of aircraft proximity in which insufficient information was available to determine the risk involved, or inconclusive or conflicting evidence precluded such determination.

AIRPROX：空中交通事件报告中用以表示航空器接近的代码。

AIRPROX:The code word used in an air traffic incident report to designate aircraft proximity.

1.2 空中交通事件按照下列类别分配代号以在报告中识别：

1.2 Air traffic incidents are designated and identified in reports as follows:

类别	代号	Type	Designation
空中交通事件	事件	Air traffic incident	Incident
上面 a)所述	AIRPROX(航空器接近)	as a) above	AIRPROX(aircraft proximity)
上面 b)中 1)和 2)	程序	as b) 1) and 2) above	Procedure
上面 b)中 3)所述	设备	as b) 3) above	Facility

2. 空中交通事件报告表的使用

2. Use of the Air Traffic Incident Report Form

空中交通事件报告表旨在用于：

The Air Traffic Incident Report Form is intended for use:

a)在航空器到达后由航空器驾驶员填写关于一个空中交通事件的报告，或为了证实在飞行中最初通过无线电所作的事件报告。

注：如果航空器上有该表格，也可以用来作为飞行中进行初次报告的格式。

a) By a pilot for filing a report on an air traffic incident after arrival or for confirming a report made initially by radio during flight.

Note: The form, if available on board, may also be of use in providing a pattern for making the initial report in flight.

b)空中交通服务单位用来记录通过无线电通信、电话

b) By an ATS unit for recording an air traffic incident

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和打字电报机收到的空中交通事件报告。

注：该表格可作为在航空固定通信网上传递的报文格式。

3. 报告程序

3.1 涉及空中交通事件的航空器驾驶员应遵守的程序如下：

a)在飞行中，使用相应的空地通信频率报告有重大事件情况，特别当涉及到其它航空器时更应如此，以便迅速查明事实情况。

b)航空器降落后尽快提交经填写完毕的空中交通事件报告表，用于：

1)证实 a)中所提出的报告，或当未能通过无线电通信报告时，填写有关该事件的初次报告。

2)报告在事发时不需要立即通知的事件。

3.2 通过无线电所作的初次报告应包括以下信息：

a)航空器识别标志；

b)事件类别，如：航空器接近；

c)事件；1. a)和 b)；2. a)，b)，c)，d)，n)；3. a)，b)，c)，i)；4. a)，b)；

d)其它：1. e)。

3.3 最初通过无线电报告的重大事件或者关于其它事件的初次报告的确认报告应提交给航空安全办公室，

report received by radio, telephone or teleprinter.

Note: The form may be used as the format for the text of a message to be transmitted over the AFS network.

3. Reporting procedures

3.1 The following are the procedures to be followed by a pilot who is or has been involved in an incident:

a) During flight, use the appropriate air/ground frequency for reporting an incident of major significance, particularly if it involves other aircraft, so as to permit the facts to be ascertained immediately;

b) As promptly as possible after landing, submit a completed Air Traffic Incident Report Form

1) For confirming a report of an incident made initially as in a) above, or for making the initial report on such an incident if it had not been possible to report it by radio;

2) For reporting an incident which did not require immediate notification at the time of occurrence.

3.2 An initial report made by radio should contain the following information:

a) Aircraft identification;

b) Type of incident, e.g. aircraft proximity;

c) The incident; 1. a) and b); 2.a), b), c), d), n); 3.a), b), c), i); 4. a), b);

d) Miscellaneous: 1. e).

3.3 The confirmatory report on an incident of major significance initially reported by radio or the initial

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或提交给第一降落机场的空中交通服务报告室，以便由其转交给航空安全办公室。航空器驾驶员应完整地填写空中交通服务报告表格，并在必要时对初次报告的细节作补充。

report on any other incident should be submitted to The Office of Aviation Safety, or to the ATS Reporting Office of the aerodrome of first landing for submission to The Office of Aviation Safety. The pilot should complete the Air Traffic Incident Report Form, supplementing the details of the initial reports as necessary.

注：在无空中交通服务报告室的地方可提交给另外一个空中交通服务单位。

Note:Where there is no ATS Reporting Office, the report may be submitted to another ATS unit.

4. 事件报告和事件处理报告表的目的

4. Purpose of reporting and handling of the form

4.1 把航空器接近的事件报告给上级和随后进行的调查是为了促进航空器的安全。发生一次航空器接近事件的危险等级应在事件调查中确定，并分为“碰撞危险”，“安全无保证”，“无碰撞危险”，“危险性不确定”等四类。

4.1 The purpose of the reporting of aircraft proximity incidents and their investigation is to promote the safety of aircraft. The degree of risk involved in an aircraft proximity incident should be determined in the incident investigation and classified as “risk of collision”, “safety not assured”, “no risk of collision” or “risk not determined”.

4.2 空中交通事件报告表的目的是为了给事件调查单位提供尽可能完整的事件的有关信息，以便他们以最短时间向有关航空器驾驶员或经营人反馈对航空器经营人的调查结果，该事件的调查结果，以及视情况对其所采取的纠正措施。

4.2 The purpose of the form is to provide investigatory authorities with as complete information on an air traffic incident as possible and to enable them to report back, with the least possible delay to the pilot or operator concerned, the result of the investigation of the operator concerned, the result of the investigation of the incident and, if appropriate, the remedial action taken.

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表/Table 1.14-1

空中交通事件报告表
Air traffic incident report form

提交和接收空中交通事件报告时使用，通过无线电传送的初次报告，必须包括阴影部分的项目。
For use when submitting and receiving reports on air traffic incidents. In an initial report by radio, shaded items should be included.

A — 航空器识别标志 Aircraft identification	B —事件种类 Type of incident 航空器接近/程序/设备* Airprox/procedure/Facility*

C —事件 The incident

1. 概要 General

a)事件发生的日期/时间 Date/time of incident .....UTC

b) 地点 Position .....

2. 自己的航空器 Own aircraft

a) 航向和航线 Heading and route .....

b) 真空速 True airspeed .....海里/小时 measured in kt .....千米/小时 km/h.....

c) 高度和高度表拨正 Level and altimeter setting.....

d) 航空器的升降 Aircraft climbing or descending

（ ）水平飞行 Level flight （ ）爬升 Climbing （ ）下降 Descending

e) 航空器转弯坡度 aircraft bank angle

（ ）水平 Wings level （ ）小坡度 Slight bank （ ）中坡度 Moderate bank

（ ）大坡度 Steep bank （ ）倒转 inverted （ ）不明 Unknown

f) 航空器转弯方向 Aircraft direction of bank

（ ）左 Left （ ）右 Right （ ）不明 Unknown

g) 挡住视线（根据需要尽可能多选） Restrictions to visibility (select as many as required)

（ ）眩目的阳光 Sunglare （ ）风挡支架 Windscreen pillar （ ）风挡脏 Dirty windscreen

（ ）其它驾驶舱构件 Other cockpit structure （ ）无 None

h) 航空器灯光的使用（根据需要尽可能多选）Use of aircraft lighting (select as many as required)

（ ）航行灯 Navigation lights （ ）闪光灯 Strobe lights （ ）客舱灯 Cabin lights

（ ）红色防撞灯 Red anti-collision lights （ ）着陆、滑行灯 Landing/taxi lights

（ ）标志灯(尾翼上) Logo (tail fin) lights （ ）其它 Other （ ）无 None

i) ATS 发布的飞行避让通知 Traffic avoidance advice issued by ATS

（ ）是，根据雷达 Yes, based on radar （ ）是，根据目视观察 Yes, based on visual sighting

（ ）是，根据其它情报 Yes, based on other information （ ）无 No

j) 发布的交通情报 Traffic information issued

（ ）是，根据雷达 Yes, based on radar （ ）是，根据目视观察 Yes, based on visual sighting

（ ）是，根据其它情报 Yes, based on other information （ ）无 No

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k) 机载防撞系统—Airborne collision avoidance system—ACAS

（ ）未装备 Not carried （ ）种类 Type （ ）发布的交通咨询 Traffic advisory issued

（ ）发布的交通冲突处理咨询 Resolution advisory issued

（ ）未发布交通咨询或交通冲突处理咨询 Traffic advisory or resolution advisory not issued

l) 雷达识别 Radar identification

（ ）无可用雷达 No radar available （ ）雷达识别 Radar identification

（ ）没有雷达识别 No radar identification

m) 看到其它航空器 Other aircraft sighted

（ ）是 Yes （ ）否 No （ ）看错航空器 Wrong aircraft sighted

n) 采取避让措施 Avoiding action taken

（ ）是 Yes （ ）否 No

o) 飞行计划的种类 Type of flight plan 仪表飞行 / 目视飞行 / 无* IFR/VFR/none*

3. 其它航空器 Other aircraft

a) 类型及呼号/注册标志（如果知道）Type and call sign/registration (If known).....

b) 如果 a)不明，则填写下列各项 If a) above not known, describe below

（ ）上单翼 High wing （ ）中单翼 Mid wing （ ）下单翼 Low wing

（ ）旋翼机 Rotorcraft

（ ）1 发 1 engine （ ）2 发 2 engines （ ）3 发 3 engines

（ ）4 发 4 engines （ ）4 发以上 More than 4 engines

标志、颜色或其它掌握的细节 Marking, colour or other available details

.....

.....

.....

.....

c) 航空器爬升或下降 Aircraft climbing or descending

（ ）水平飞行 Level fight （ ）爬升 Climbing （ ）下降 Descending

（ ）不明 Unknown

d) 航空器转弯坡度 Aircraft bank angle

（ ）水平 Wings level （ ）小坡度 Slight bank （ ）中坡度 Moderate bank

（ ）大坡度 Steep bank （ ）倒转 Inverted （ ）不明 Unknown

e) 航空器转弯方向 Aircraft direction of bank

（ ）左 Left （ ）右 Right （ ）不明 Unknown

f) 显示灯光 Lights displayed

（ ）航行灯 Navigation lights （ ）闪光灯 Strobe lights （ ）客舱灯 Cabin lights

（ ）红色防撞灯 Red anti-collision lights （ ）着陆、滑行灯 Landing/taxi lights

（ ）标志灯（尾翼上）Logo (tail fin) lights （ ）其它 Other

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（ ）无 None （ ）不明 Unknown

g) ATS 发布的飞行避让通知 Traffic avoidance advice issued by ATS

（ ）是，根据雷达 Yes, based on radar （ ）是，根据目视观测 Yes, based on visual sighting

（ ）是，根据其它情报 Yes, based on other information （ ）无 No （ ）不明 Unknown

h) 发布的交通情报 Traffic information issued

（ ）是，根据雷达 Yes, based on radar （ ）是，根据目视观测 Yes, based on visual sighting

（ ）是，根据其它情报 Yes, based on other information （ ）无 No （ ）不明 Unknown

i) 采取避让措施 Avoiding action taken

（ ）是 Yes （ ）否 No （ ）不明 Unknown

4. 距离 Distance

a) 最近的水平距离 Closest horizontal distance .....

b) 最近的垂直距离 Closest vertical distance .....

5. 飞行天气情况 Flight weather conditions

a) 仪表气象条件/目视气象条件* IMC/VMC *

b) 云上/云下*/雾/霾或在云层之间* Above/ below * clouds/ fog/ haze or between layers*

c) 离云层的垂直距离 Distance vertically from cloud.....米/英尺*之下 m/ ft* below

.....米/英尺*之上 m/ft* above

d) 在云中/雨/雪/冻雨/雾/霾* In cloud/ rain/ snow/ sleet/ fog/ haze*

e) 朝向/背向太阳飞行* Flying into/ out of * sun

f) 飞行能见度 Flight visibility.....米/千米* m/km*

6. 航空器驾驶员认为重要的其它情报 Any other information considered important by the pilot-in-command

.....

.....

.....

.....

.....

D — 其它 Miscellaneous

1. 报告航空器的资料 Information regarding reporting aircraft

a) 航空器注册号 Aircraft registration .....

b) 航空器型号 Aircraft type .....

c) 经营人 Operator .....

d) 离港机场 Aerodrome of departure .....

e) 第一降落机场 Aerodrome of first landing .....目的地 destination .....

f) 通过无线电或其它方式向 Reported by radio or other means to .....（ATS 单位名称 name of ATS unit）报告时间 at time .....UTC

g) 填写表格的日期/时间/地点 Date/ time/ place of completion of form .....

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ENR1.2
目视飞行规则
Visual flight rules

1. 实施目视飞行时，航空器驾驶员必须加强空中观察。航空器应当与云保持一定的水平距离和垂直距离。目视飞行时，航空器驾驶员对保持航空器之间的间隔和航空器距地面障碍物的安全高度是否正确负责。

1. In visual flight, a pilot shall keep a vigilant watch. Aircraft shall maintain a certain vertical and horizontal distances from the clouds. When an aircraft is operating under VFR, the pilot shall be responsible for the correct maintenance of separation between aircraft as well as the safe altitude of the aircraft from ground obstacles.

2. 航空器按照目视飞行规则飞行，包括按照目视飞行规则在飞行高度 6 000 米（不含）以上和作跨音速或者超音速飞行，以及飞行高度 3 000 米（不含）以下且指示空速大于 450 千米/小时飞行时，应当经空中交通管制部门批准。

2. Flights of aircraft in accordance with visual flight rules, including transonic or supersonic flights in accordance with visual flight rules above 6 000m (exclusive), and flights in accordance with visual flight rules at an indicated airspeed greater than 450km/h below 3 000m (exclusive), are subject to approval by the air traffic control unit.

3. 航空器按照目视飞行规则飞行应当符合以下气象条件：航空器与云的水平距离不得小于 1 500 米，垂直距离不得小于 300 米；高度 3 000 米（含）以上，能见度不得小于 8 千米，高度 3 000 米以下，能见度不得小于 5 千米。

3. Aircraft operating under VFR shall meet the following meteorological conditions: the horizontal distance and vertical distance between aircraft and clouds shall not be less than 1 500m and 300m respectively; for flights at 3 000m or above, visibility shall not be less than 8km, while for flights below 3 000m visibility shall not be less than 5km.

4. 目视飞行安全间隔

在同一航线、同一高度飞行时，巡航表速 250 千米/小时以下的航空器，航空器之间的间隔不得小于 2 000 米，巡航表速 250 千米/小时（含）以上的航空器，航空器之间的间隔不得小于 5 000 米。

4. Visual flight safety separation

The separation between aircraft operating on the same track and at same altitude shall not be less than:

a. 2 000m when aircraft cruising indicated airspeeds are less than 250km/h; or

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b. 5 000m when aircraft cruising indicated airspeeds are 250km/h or above.

5. 起落航线

5. Traffic circuit

5.1 机场的起落航线通常为左航线；若因地形、城市等条件的限制，或者为避免同邻近机场的起落航线交叉，也可以为右航线。

5.1 An aerodrome traffic circuit is normally a left-hand one. It may, however, be a right-hand traffic circuit if it is constrained by the conditions of terrain or city location or if it is to avoid crossing with the traffic circuit of adjacent aerodrome.

进行起落航线飞行时，禁止超越同型航空器；各航空器之间的距离，一般应当保持在 1 500 米以上；经空中交通管制员许可，速度大的航空器可以在第三转弯前超越速度小的航空器，超越时应当从前航空器的外侧超越，其间隔不得小于 200 米。除必须立即降落的航空器外，任何航空器不得从内侧超越前航空器。

An aircraft on traffic circuit is forbidden to overtake another aircraft of the same type. Aircraft shall maintain a minimum separation of 1 500m between them on the same traffic circuit. However, aircraft of higher speed may, with the clearance of the air traffic controller, overtake another of lower speed from the outer side before base-turn while maintaining a minimum lateral separation of 200m. No aircraft shall overtake the preceding one from the inner side unless an immediate landing is imminent.

5.2 通常情况下，准备起飞的航空器，在起落航线第四转弯后无其他航空器进入着陆时，经空中交通管制员许可，方可滑进跑道；跑道上无障碍物，方准起飞。

5.2 Under normal conditions, an aircraft intending to depart shall enter the runway when there is no other aircraft on the final leg of the traffic circuit and clearance has been obtained from the air traffic controller, and shall not take off unless the runway is free from obstacles.

航空器起飞、着陆时，后航空器应当与前航空器保持规定的安全间隔。

Succeeding aircraft shall maintain the specified safety separation from the proceeding aircraft during take-off or landing.

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ENR1.3
仪表飞行规则
Instrument flight rules

1. 航空器在仪表气象条件(低于 ENR 1.2 目视气象条件)下飞行，云层、云上目视气象条件下飞行，高度 6 000 米以上飞行，都必须按照仪表飞行的规定飞行。

1. IFR flights are compulsory for an aircraft operating under any of the following conditions:

a. In IMC (below VMC stated in ENR 1.2)

b. Between layers;

c. "VMC-on-top";

d. Above 6 000m.

2. 按仪表飞行规则飞行时，应当遵守下列规定:

2. An aircraft operating under IFR shall comply with the following provisions:

a.航空器在指定空域内和仪表进近过程中，必须保持规定的高度，按照仪表进近程序图规定的航线飞行;

a. During instrument approach, an aircraft operating within the specified airspace shall maintain the assigned level and fly along the route specified in the instrument approach chart;

b.进、离机场塔台管制区域的航空器，必须按照标准仪表进、离场图的规定，在指定的高度上飞行;

b. An aircraft entering or leaving the aerodrome tower control area shall operate at the altitude assigned in the standard arrival chart or standard departure chart concerned;

c.在航线上飞行的航空器，必须保持规定的航线、高度层和速度。

c. An aircraft operating en-route shall maintain the assigned route, flight level and the specified speed.

3. 仪表飞行规则飞行时,空中交通管制员对航空器之间的间隔和高度层配备是否正确负责。

3. When an aircraft is operating under IFR, the air traffic controller is responsible for correct separation and flight level assigned to that aircraft.

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ENR1.4
空中交通服务空域分类和说明
ATS airspace classification and description

ENR1.4.1 空中交通服务空域分类

1. 划设类别

依据航空器飞行规则和性能要求、空域环境、空管服务内容等要素，将空域划分为 A、B、C、D、E、G、W 7 类，其中，A、B、C、D、E 类为管制空域，G、W 类为非管制空域。具体如下：

1.1 A 类空域

1.1.1 划设地域及范围

通常为标准气压高度 6000 米（含）至标准气压高度 20000 米（含）。

1.1.2 服务内容

为所有飞行提供空中交通管制服务，并配备间隔。

1.1.3 飞行要求

a.通常仅允许仪表飞行;

b.航空器和空中交通管理部门之间必须保持持续双向无线电通信;

c.航空器必须安装二次雷达应答机（同等性能的监视设备）;

d.飞行计划经过审批，航空器进入前须获得空中交通管理部门许可;

e.航空器驾驶员应具备仪表飞行能力及相应资质。

ENR1.4.1 ATS airspace classification

1. Airspace Class

Based on factors such as aircraft flight rules and performance requirements, airspace environment, ATC services, the airspace is divided into seven classes, including A, B, C, D, E,G,W. Among which, class A, B, C,D and E are controlled airspace, class G and W are uncontrolled airspace. Details are as follows:

1.1 Class A Airspace

1.1.1 Designated area and range

Generally, that airspace from QNE 6 000m (inclusive) to QNE 20 000m(inclusive).

1.1.2 Services provided

All flights are provided with ATC services and are separated from each other .

1.1.3 Flight requirements

a. Normally IFR only;

b. Must maintain continuous two-way radio communications between the aircraft and the ATC units;

c. The aircraft must be equipped with SSR transponder(or equivalent surveillance equipment);

d. The flight plan must be approved, and clearance from the ATC units must be obtained before entering;

e. The pilot shall have IFR flight capability and relevant

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qualifications.

1.2 B 类空域

1.2 Class B Airspace

1.2.1 划设地域及范围

1.2.1 Designated area and range

划设在民用运输机场上空。

The airspace designated above transport airports.

1.2.1.1 民用三跑道（含）以上机场，通常划设半径 20 千米、40 千米、60 千米的三环阶梯结构，高度分别为跑道道面—机场标高以上 900 米（含）、机场标高以上 900 米—机场标高以上 1800 米（含）、机场标高以上 1800 米—标准气压高度 6000 米。

1.2.1.1 For transport airports with three runways (inclusive) or more, three-tiered structure is usually established with radius of 20km, 40km, and 60km, altitudes respectively from runway surface to 900m(inclusive) above the airport elevation, from 900m above the airport elevation to 1 800m (inclusive) above the airport elevation , from 1 800m above the airport elevation to QNE 6 000m.

1.2.1.2 民用双跑道机场，通常划设半径 15 千米、30 千米的双环阶梯结构，高度分别为跑道道面—机场标高以上 600 米（含）、机场标高以上 600 米—机场标高以上 3600 米（含），顶层最高至 A 类空域下限。

1.2.1.2 For transport airports with two runways, two-tiered structure is usually established with radius of 15km and 30km, altitudes respectively from runway surface to 600m (inclusive) above the airport elevation,from 600m above the airport elevation to 3 600m (inclusive) above the airport elevation , maximum to the lower limit of Class A airspace.

1.2.1.3 民用单跑道机场，通常划设半径 12 千米、跑道道面—机场标高以上 600 米（含）的单环结构。

1.2.1.3 For transport airports with one runway, one-tiered structure is usually established with radius of 12km, altitude from runway surface to 600m (inclusive) above the airport elevation.

1.2.2 服务内容

1.2.2 Services provided

为所有飞行提供空中交通管制服务，并配备间隔。

All flights are provided with ATC services and are separated from each other.

1.2.3 飞行要求

1.2.3 Flight requirements

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a.允许仪表和目视飞行;

b.航空器和空中交通管理部门之间必须保持持续双向无线电通信;

c.航空器必须安装二次雷达应答机（同等性能的监视设备）;

d.飞行计划经过审批，航空器进入前须获得空中交通管理部门许可;

e.航空器驾驶员应具备仪表或目视飞行能力及相应资质。

1.3 C 类空域

1.3.1 划设地域及范围

划设在建有塔台的通用航空机场上空，通常为半径 5 千米、跑道道面—机场标高以上 600 米（含）的单环结构。

1.3.2 服务内容

为所有飞行提供空中交通管制服务。为仪表和仪表、仪表和目视飞行之间配备间隔；为目视和目视飞行之间提供交通信息，并根据要求提供交通避让建议。

1.3.3 飞行要求

a.允许仪表和目视飞行;

b.平均海平面高度 3000 米以下，目视飞行指示空速不大于 450 千米/小时;

c.航空器和空中交通管理部门之间必须保持持续双向无线电通信;

d.航空器必须安装二次雷达应答机或其他可被监视的设备;

a. IFR and VFR flights are permitted;

b. Must maintain continuous two-way radio communications between the aircraft and the ATC units;

c. The aircraft must be equipped with SSR transponder (or equivalent surveillance equipment);

d. The flight plan must be approved, and clearance from the ATC units must be obtained before entering;

e. The pilot shall have IFR or VFR flights capability and relevant qualifications.

1.3 Class C Airspace

1.3.1 Designated area and range

The airspace designated above general aviation airports with tower, one-tiered structure is usually established with radius of 5km, altitude from runway surface to 600m (inclusive) above the airport elevation.

1.3.2 Services provided

All flights are provided with ATC services.Separation is provided for IFR/IFR flights and for IFR/VFR flights; traffic information is provided for VFR/VFR flights, and traffic avoidance advice is provided upon request.

1.3.3 Flight requirements

a. IFR and VFR flights are permitted;

b. Below 3 000m MSL, IAS should not exceed 450 km/h for VFR flights;

c. Must maintain continuous two-way radio communications between the aircraft and the ATC units;

d. The aircraft must be equipped with SSR transponder or other surveillance equipment;

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e.飞行计划经过审批，航空器进入前须获得空中交通管理部门许可；

f.航空器驾驶员应具备仪表或目视飞行能力及相应资质。

e. The flight plan must be approved, and clearance from the ATC units must be obtained before entering;

f. The pilot shall have IFR or VFR flights capability and relevant qualifications.

1.4 D 或 E 类空域

1.4 Class D or E Airspace

1.4.1 划设地域及范围

1.4.1 Designated area and range

a.标准气压高度高于 20000 米为 D 类空域；

b. A、B、C、G 类空域以外，可根据运行需求和安全要求选择划设为 D 或 E 类空域。

a. Above QNE 20 000m is Class D airspace;

b. Outside of class A, B, C and G airspace, it can be designated as Class D or E airspace based on operation and safety requirements.

1.4.2 服务内容

1.4.2 Services provided

1.4.2.1 D 类空域：为所有飞行提供空中交通管制服务。为仪表和仪表飞行之间配备间隔，为仪表飞行提供关于目视飞行的交通信息，并根据要求提供交通避让建议；为目视飞行提供关于仪表和目视飞行的交通信息，并根据要求提供交通避让建议。

1.4.2.1 Class D airspace: All flights are provided with ATC services. Separation is provided for IFR/IFR flights, traffic information about VFR flights is provided for IFR flights, and traffic avoidance advice is provided upon request; traffic information about IFR and VFR flights is provided for VFR flights, and traffic avoidance advice is provided upon request.

1.4.2.2 E 类空域：仅为仪表飞行提供空中交通管制服务。为仪表和仪表飞行之间配备间隔，为仪表飞行尽可能提供关于目视飞行的交通信息；为目视飞行尽可能提供关于仪表和目视飞行的交通信息。

1.4.2.2 Class E airspace: ATC services for IFR flights only. Separation is provided for IFR/IFR flights, traffic information about VFR flights is provided for IFR flights as much as possible; traffic information about IFR and VFR flights is provided for VFR flights as much as possible.

1.4.3 共性飞行要求

1.4.3 Common flight requirements

a.允许仪表和目视飞行；

b.平均海平面高度 3000 米以下时，指示空速不大于

a. IFR and VFR flights are permitted;

b. Below 3 000m MSL, IAS should not exceed 450

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450 千米/小时;

c.航空器在平均海平面高度 3000 米以上飞行必须安装二次雷达应答机（同等性能的监视设备），平均海平面高度低于 3000 米安装其他可被监视的设备;

d.必须报备飞行计划;

e.航空器驾驶员应具备仪表或目视飞行能力及相应资质。

km/h;

c. If flying above 3000m MSL, the aircraft must be equipped with SSR transponder(or equivalent surveillance equipment), if flying below 3000m MSL, the aircraft must be equipped with other surveillance equipment;

d. Flight plan must be filed and submitted;

e. The pilot shall have IFR or VFR flights capability and relevant qualifications.

1.4.4 特殊飞行要求

1.4.4.1 D 类空域：仪表、目视飞行的航空器进入前均须获得空中交通管理部门许可，并保持持续双向无线电通信。

1.4.4.2 E 类空域：a.仪表飞行的航空器进入前须获得空中交通管理部门许可，并保持持续双向无线电通信;

b.目视飞行的航空器不需要空中交通管理部门许可，但进入前必须报告，并在规定通讯频率上保持守听。

1.4.4 Special flight requirements

1.4.4.1 Class D airspace: IFR and VFR flights must obtain clearance from the ATC units before entering, and maintain continuous two-way radio communications.

1.4.4.2 Class E airspace: a. IFR flights must obtain clearance from the ATC units before entering, and maintain continuous two-way radio communications;

b. VFR flights do not need obtain clearance from the ATC units, but must report before entering, and remain on the specified communication frequency.

1.5 G 类空域

1.5.1 划设地域及范围

a. B、C 类空域以外真高 300 米以下空域（W 类空域除外）;

b.平均海平面高度低于 6000 米、对民航公共运输飞行无影响的空域。

1.5.2 服务内容

仅提供飞行信息服务，不提供空中交通管制服务。

1.5 Class G Airspace

1.5.1 Designated area and range

a. The airspace outside of class B and C airspace(class W airspace excluded) and below 300m AGL;

b. Airspace below 6 000m MSL that does not affect civil aviation transport flights.

1.5.2 Services provided

Flight information services only, no ATC services pro-

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vided.

1.5.3 飞行要求

a.允许仪表和目视飞行;

b.平均海平面高度 3000 米以下时，指示空速不大于 450 千米/小时;

c.仪表飞行的航空器和空中交通管理部门之间必须保持持续双向无线电通信，目视飞行在规定通讯频率上保持守听;

d.航空器必须安装或携带可被监视的设备;

e.必须报备飞行计划;

f.航空器驾驶员应具备仪表或目视飞行能力及相应资质。

1.5.3 Flight requirements

a. IFR and VFR flights are permitted;

b. Below 3 000m MSL , IAS should not exceed 450 km/h;

c. Must maintain continuous two-way radio communications between the aircraft and the ATC units for IFR flights, while VFR flights shall remain on the specified communication frequency;

d. The aircraft must be equipped with or carry surveillance equipment;

e. Flight plan must be filed and submitted;

f. The pilot shall have IFR or VFR flights capability and relevant qualifications.

1.6 W 类空域

1.6.1 划设地域及范围

G 类空域内真高 120 米以下的部分空域。

1.6.2 飞行要求

a.微型、轻型、小型无人驾驶航空器飞行;

b.飞行过程中应当广播式自动发送识别信息;

c.小型无人驾驶航空器操控员取得操控员执照。

1.6 Class W Airspace

1.6.1 Designated area and range

Part of the class G airspace below 120m AGL.

1.6.2 Flight requirements

a. Micro, light, and small unmanned aircraft flights;

b. Identification information shall be automatically broadcasted during the flight;

c. Small unmanned aircraft remote pilots must obtain relevant licenses.

2 有关要求

2.1 经空中交通管理部门特别批准，航空器可按照目视飞行规则在 A 类空域飞行，以及超过限制速度在 C、D、E、G 类空域飞行。

2 Related Requirements

2.1 With special approval from the ATC units, aircraft can fly under VFR in class A airspace, and fly exceed speed limits in class C, D, E and G airspace.

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2.2 难以满足飞行要求时，航空用户可申请划设隔离空域并对外公布。

2.2 If it is difficult to meet the flight requirements, airspace users can apply for the establishment of isolated airspace and publish that information.

2.3 B、C 类空域范围可根据实际情况进行调整，可描述为不规则的多边形。

2.3 The range of class B and C airspace can be adjusted according to actual conditions, and can be described as irregular polygons.

2.4 A、B、C、D、E、G 类空域明确的飞行要求适用有人驾驶航空器，无人驾驶航空器进入按照《无人驾驶航空器飞行管理暂行条例》明确的要求执行。

2.4 The flight requirements of class A, B, C, D, E and G airspace are applicable to manned aircraft. Unmanned aircraft entering shall follow the requirements specified in the *"Interim Regulation on the Administration of the Flight of Unmanned Aircraft"*.

2.5 各类空域目视飞行气象条件：平均海平面高度 3000 米以上，能见度不小于 8 千米、距云水平距离不小于 1500 米、垂直距离不小于 300 米；当平均海平面高度 900 米或真高 300 米两者取较高值至平均海平面高度 3000 米时，能见度不小于 5 千米、距云水平距离不小于 1500 米、垂直距离不小于 300 米；当平均海平面高度 900 米以下或真高 300 米以下两者取较高值时，能见度不小于 5 千米、云外飞行。

2.5 VFR flights meteorological conditions for all classes of airspace: Above 3 000m MSL, VIS shall not be less than 8 000m, horizontal distance from clouds shall not be less than 1 500m, vertical distance shall not be less than 300m; When from 900m MSL or 300m AGL (choose the higher of two) to 3 000m MSL, VIS shall not be less than 5 000m, horizontal distance from clouds shall not be less than 1 500m, vertical distance shall not be less than 300m; When below 900m MSL or 300m AGL (choose the higher of two), VIS shall not be less than 5 000m, fly outside of clouds.

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国家空域基础分类方法表 **Table of National Airspace Basic Classification Method**

空域种类 Class of Air-space	飞行类别 Type of flight	提供的服务 Services Provided	速度限制 Speed Limit	通信要求 Communi-cation Re-quirements	ATC 许可 ATC Clea-rance	监视设备 Surveillance Equipment
A	仪表 IFR	ATC 服务,配备间隔 ATC Services, separation is provided	不适用 Not applicable	持续双向 Continuous two-way	是 Yes	二次雷达应答机(同等性能的监视设备) SSR transponder (or equivalent surveillance equipment)
B	仪表 IFR	ATC 服务,配备间隔 ATC Services, separation is provided	不适用 Not applicable	持续双向 Continuous two-way	是 Yes	二次雷达应答机(同等性能的监视设备) SSR transponder (or equivalent surveillance equipment)
	目视 VFR	ATC 服务,配备间隔 ATC Services, separation is provided	不适用 Not applicable	持续双向 Continuous two-way	是 Yes	二次雷达应答机(同等性能的监视设备) SSR transponder (or equivalent surveillance equipment)
C	仪表 IFR	ATC 服务,为仪表和仪表、仪表和目视飞行之间配备间隔 ATC services, separation is	不适用 Not applicable	持续双向 Continuous two-way	是 Yes	二次雷达应答机或可被监视的设备 SSR transponder or other surveillance equipment

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		provided for IFR/IFR, IFR/VFR flights				
	目视 VFR	ATC 服务,为目视和目视飞行之间提供交通信息，根据要求提供交通避让建议 ATC services, traffic information is provided for VFR/VFR flights,traffic avoidance advice is provided upon request.	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	持续双向 Continuous two-way	是 Yes	二次雷达应答机或可被监视的设备 SSR transponder or other surveillance equipment
D	仪表 IFR	ATC 服务,为仪表和仪表飞行之间配备间隔，提供关于目视飞行的交通信息，根据要求提供交通避让建议 ATC services, separation is provided for IFR/IFR flights,provides traffic information about VFR flights, traffic avoidance advice is provided upon request	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	持续双向 Continuous two-way	是 Yes	3000 米 MSL 以上安装二次雷达应答机(同等性能的监视设备)；3000 米 MSL 以下安装可被监视的设备 Equipped with SSR transponder (or equivalent surveillance equipment) above 3 000m MSL; equipped with surveillance equipment below 3 000m MSL
	目视 VFR	ATC 服务,提供关于仪表和目视飞行的交通信息，根据要求提供交通避让建议 ATC Services, provides	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL,	持续双向 Continuous two-way	是 Yes	3000 米 MSL 以上安装二次雷达应答机(同等性能的监视设备)；3000 米 MSL 以下安装可被监视的设备

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		traffic information about IFR and VFR flights,traffic avoidance advice is provided upon request	IAS≤450km/h			Equipped with SSR transponder (or equivalent surveillance equipment) above 3 000m MSL; equipped with surveillance equipment below 3 000m MSL
E	仪表 IFR	ATC 服务,为仪表和仪表飞行之间配备间隔，尽可能提供关于目视飞行的交通信息 ATC services, separation is provided for IFR/IFR flights, provides traffic information about VFR flights as much as possible	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	持续双向 Continuous two-way	是 Yes	3000 米 MSL 以上安装二次雷达应答机(同等性能的监视设备)；3000 米 MSL 以下安装可被监视的设备 Equipped with SSR transponder (or equivalent surveillance equipment) above 3 000m MSL; equipped with surveillance equipment below 3 000m MSL
	目视 VFR	尽可能提供关于仪表和目视飞行的交通信息 Provides traffic information about IFR and VFR flights as much as possible	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	保持守听 Remain frequency	否，进入报告 No, report before en-	3000 米 MSL 以上安装二次雷达应答机(同等性能的监视设备)；3000 米 MSL 以下安装可被监视的设备 Equipped with SSR transponder (or equivalent surveillance equipment) above 3 000m MSL;

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					tering	equipped with surveil-lance equipment below 3 000m MSL
G	仪表 IFR	飞行信息服务 Flight Information Services	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	持续双向 Continuous two-way	否 No	安装或携带可被监视的设备 Equipped with or carry surveillance equipment
	目视 VFR	飞行信息服务 Flight Information Services	3000 米 MSL 以下，IAS 不大于 450 千米/小时 Below 3 000m MSL, IAS≤450km/h	保持守听 Remain frequency	否 No	安装或携带可被监视的设备 Equipped with or carry surveillance equipment
W		Nill	机型设计速度 Design Speed of aircraft	Nill	否 No	自动发送识别信息 Automatically broadcast Identification Information
注：当过渡高（高度）低于 3000 米 MSL 时，应当采用飞行高度层 3000 米代替 3000 米 MSL。 Note: When TH/TA is below 3 000m MSL, flight level 3 000m shall be used.						

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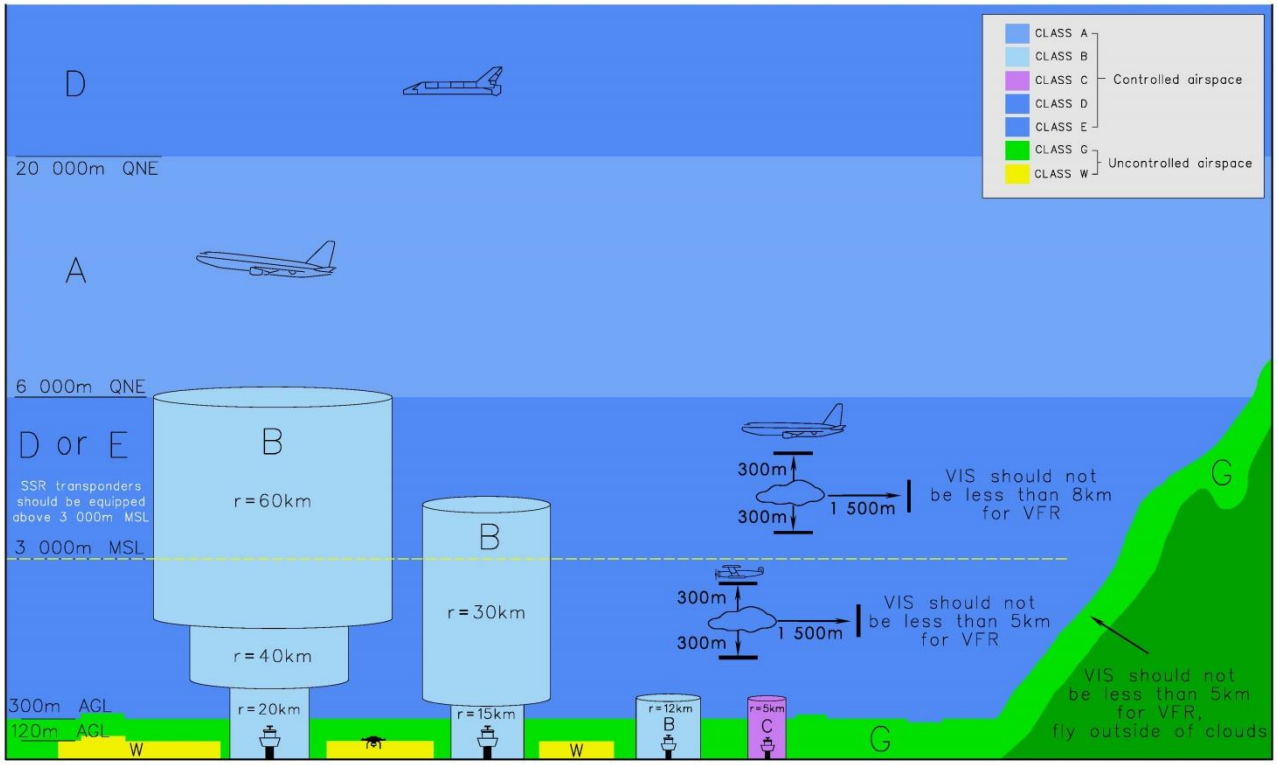
空域分类示意图

Schematic Diagram of Airspace Classification



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ENR1.4.2 空中交通服务空域说明

(待补充)

ENR1.4.2 ATS airspace description

(to be developed.)

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ENR1.5
等待、进离场和进近程序
Holding, approach and departure procedures

ENR1.5.1 一般规定

中华人民共和国航行资料汇编中公布的机场等待、进近和离场程序设计准则采用国际民用航空组织 8168 文件－OPS/611（PANS－OPS）第二卷的有关规定。差异载于 GEN 1.7。

机场等待、仪表进近和离场程序见第三部分-机场（AD）。

ENR1.5.1 General

The designed criteria of holding, approach and departure procedures on aerodromes published in AIP China are based on the relevant rules contained in volume II, ICAO DOC8168-OPS/611(PANS-OPS). The differences are detailed in subsection GEN 1.7.

The holding, instrument approach and departure procedures on aerodromes, are detailed in Part III-Aerodrome (AD).

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ENR1.5.2 进场飞行

(待补充)

ENR1.5.2 Arriving flights

(to be developed.)

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ENR1.5.3 离场飞行

(待补充)

ENR1.5.3 Departing flights

(to be developed.)

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ENR1.5.4 其他有关资料和程序

(待补充)

ENR1.5.4 Other relevant information and procedures

(to be developed.)

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ENR1.6
空中交通服务监视服务及程序
ATS surveillance services and procedures

ENR1.6.1 一次雷达

（待补充）

ENR1.6.1 Primary radar

(to be developed.)

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ENR1.6.2 二次监视雷达

1. 雷达服务的一般规定

1.1 雷达服务单位为经过雷达识别的航空器提供雷达管制服务。

1.2 雷达管制间隔

区域管制最小雷达间隔为 9.3 千米；进近管制最小雷达间隔为 5.6 千米。

注：空中交通管制单位在区域部分航路上或进近范围实施雷达监控条件下的程序管制。

1.3 雷达服务终止时应当通知航空器，但在下列情况下可不必通报：

-航空器改为目视飞行；

-航空器已经着陆，或已经按指令转换到其它频率上。

1.4 使用雷达提供飞行情报服务时，不解除航空器驾驶员的任何责任，航空器驾驶员仍有最后的决定权。

2. 紧急情况

2.1 雷达失效或失去雷达识别时，雷达管制员通知被识别的航空器恢复非雷达管制。航空器驾驶员须恢复相应的位置报告。

2.2 航空器无线电失效时，雷达管制员应在原用频率

ENR1.6.2 Secondary surveillance radar (SSR)

1. General procedures for radar services

1.1 Radar services unit will provide radar control services to radar-identified aircraft.

1.2 Separations for radar control

The minimum radar separations in control area are 9.3km and 5.6km in Approach Control Area.

Note: The air traffic control unit may implement procedural control supplemented by radar monitoring on some routes in CTA or some approach areas.

1.3 When radar service is terminated, the radar controller shall inform the aircraft concerned except when:

-Aircraft converts to VFR;

-Aircraft has landed or switched to another frequency.

1.4 The provision of flight information service by means of radar will in no way relieve a pilot from any responsibility; in other words, the final decision still rests with the pilot.

2. Emergency procedure

2.1 In the event of radar failure or loss of radar identification, the radar ontroller shall notify the identified aircraft to return to non-radar control eparation. The pilot shall accordingly resume making position reports.

2.2 In the event of aircraft radio failure, the radar

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上，指示航空器作一指定动作以表示收到指示并观察航空器航迹，以确定航空器无线电接收设备是否仍能工作。

controller shall determine whether or not the aircraft radio equipment is still functioning by instructing the aircraft on the frequency so far used to acknowledge receipt of instructions by making a specified maneuver and, in the meantime, the radar controller shall observe the aircraft's track.

2.3 如果航空器驾驶员确认航空器无线电接收机失效时，应将应答机调为模式 A、编码 7600，并将飞行意图通过盲目发射通知空中交通管制单位。

2.3 When the failure of aircraft radio receiver has been determined, the setting of the transponder shall be adjusted to Mode A, Code 7600, and the relevant ATC unit shall thereafter be notified of the pilot's intentions by the use of blind transmissions.

2.4 遇有非法干扰时，航空器驾驶员应将应答机调为模式 A、编码 7500。

2.4 In the event of unlawful interference, pilot shall set the transponder to Mode A, Code 7500.

2.5 遇有其它紧急情况时，航空器驾驶员应将应答机调为模式 A、编码 7700。

2.5 When encountering other emergency conditions in flight, pilot shall set the transponder to Mode A, Code 7700.

2.6 雷达失效时，由雷达间隔转为非雷达间隔时，紧急情况下 8 400 米以下可采用半数高度层（半数高度层为 150 米）调配高度间隔，但应当尽早配备规定的高度层。

2.6 During an emergency situation of radar failure, when the applicable separation is changing from radar separation to non-radar separation, emergency separation of half the applicable vertical separation minimum, 150m, may be used at 8 400m and below, but the applicable vertical separation minimum shall be resumed as soon as possible.

3. 目前，在下列管制空域和航路实施雷达管制，在其他管制空域实施程序管制或雷达监控下的程序管制。

3. Radar control service is provided in the following control areas and routes, and procedural control service is provided in the others except for some routes and segments under procedural control supplemented by radar monitoring.

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管制空域 Controlled Airspace	上限/下限(米) Upper/Lower limits(m)	航空器最小水平雷达管制间隔(千米) The minimum horizontal radar separation(km)
北京终端管制区 Beijing TMA	6 000/GND	5.6
北京管制区 Beijing CTA	12 500/GND	9.3
长春进近管制区 Changchun APP Area	6 000/GND	5.6
长沙进近管制区 Changsha APP Area	5 100/600	5.6
长沙管制区 Changsha CTA	7 800/3 600	9.3
成都进近管制区 Chengdu APP Area	6 000(exclusive)/GND	5.6
成都管制区（03 号扇区除外） Chengdu CTA (exclusive AR03)	12 500/GND	9.3
重庆进近管制区 Chongqing APP Area	6 000(exclusive)/GND	5.6
大连进近管制区 Dalian APP Area	6 000/GND	5.6
大连管制区 Dalian CTA	12 500/GND	9.3
福州进近管制区 Fuzhou APP Area	6 000/GND	5.6
广州进近管制区 Guangzhou APP Area	6 000/GND	5.6
广州管制区 Guangzhou CTA	12 500/3 000	9.3
桂林进近管制区 Guilin APP Area	6 000/GND	5.6
贵阳进近管制区 Guiyang APP Area	6 000/GND	5.6
贵阳管制区 Guiyang CTA	7 800/GND	9.3

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海口进近管制区 Haikou APP Area	6 000/GND	5.6
杭州进近管制区 Hangzhou APP Area	6 000/GND	5.6
哈尔滨进近管制区 Harbin APP Area	6 000/GND	5.6
哈尔滨管制区 Harbin CTA	12 500/3 000	9.3
合肥进近管制区 Hefei APP Area	6 000/GND	5.6
合肥管制区 Hefei CTA	7 800/3 000	9.3
呼和浩特进近管制区 Hohhot APP Area	5 700/GND	5.6
呼和浩特管制区 Hohhot CTA	7 800/GND	9.3
济南进近管制区 Jinan APP Area	6 000/GND	5.6
济南管制区 Jinan CTA	7 800/1 500	9.3
昆明进近管制区 Kunming APP Area	7 800/GND	5.6
昆明管制区 Kunming CTA	12 500/GND	9.3
兰州进近管制区 Lanzhou APP Area	6 000/GND	5.6
兰州管制区 Lanzhou CTA	12 500/GND	9.3
南昌进近管制区 Nanchang APP Area	6 000/GND	5.6
南昌管制区 Nanchang CTA	7 800/1 800	9.3
南京进近管制区 Nanjing APP Area	6 000/GND	5.6
南宁进近管制区 Nanning APP Area	6 000/GND	5.6

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南宁管制区 Nanning CTA	12 500/GND	9.3
宁波进近管制区 Ningbo APP Area	4 200/GND	5.6
青岛进近管制区 Qingdao APP Area	6 000/GND	5.6
青岛管制区 Qingdao CTA	12 500/3 600	9.3
三亚进近管制区 Sanya APP Area	6 000/GND	5.6
三亚管制区 Sanya CTA	12 500/GND	9.3
上海进近管制区 Shanghai APP Area	6 000/GND	5.6
上海管制区 (不包括 A326 航路 DOPNO-IKADI 航段 7800 米不含以下，IKADI-N32°32′56″E123°29′20″7200 米不含以下，N32°32′56″E123°29′20″-APITO 航段 6600 米不含以下) Shanghai CTA(exclude segments DOPNO-IKADI 7800m below，IKADI-N32°32′56″E123°29′20″ 7200m below，N32°32′56″E123°29′20″-APITO 6600m below on A326)	12 500/3 000	9.3
汕头进近管制区 Shantou APP Area	4 500/GND	5.6
沈阳进近管制区 Shenyang APP Area	6 000/GND	5.6
沈阳管制区 Shenyang CTA	12 500/3 000(exclusive)	9.3

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石家庄进近管制区 Shijiazhuang APP Area	3 600/GND	5.6
太原进近管制区 Taiyuan APP Area	4 500/GND	5.6
天津进近管制区 Tianjin APP Area	4 500/GND	5.6
温州进近管制区 Wenzhou APP Area	6 000/GND	5.6
乌鲁木齐进近管制区 Urumqi APP Area	6 000/GND	5.6
乌鲁木齐管制区 Urumqi CTA	12 500/GND	9.3
无锡进近管制区 Wuxi APP Area	3 000/GND	10
武汉进近管制区 Wuhan APP Area	6 000/GND	5.6
武汉管制区 Wuhan CTA	7 800/4 500	9.3
厦门进近管制区 Xiamen APP Area	5 400/GND	5.6
厦门管制区 Xiamen CTA	7 800/GND	9.3
西安进近管制区 Xi’an APP Area	6 000/GND	5.6
西安管制区 Xi’an CTA	12 500/5 100	9.3
西宁进近管制区 Xining APP Area	6 000/GND	5.6
烟台进近管制区 Yantai APP Area	3 600/GND	12
银川进近管制区 Yinchuan APP Area	6 000/GND	5.6
湛江进近管制区 Zhanjiang APP Area	6 000/GND	5.6
郑州进近管制区 Zhengzhou APP Area	5 700/GND	5.6
郑州管制区 Zhengzhou CTA	7 800/3 600	9.3
珠海终端区 Zhuhai TMA	4 500/GND	5.6

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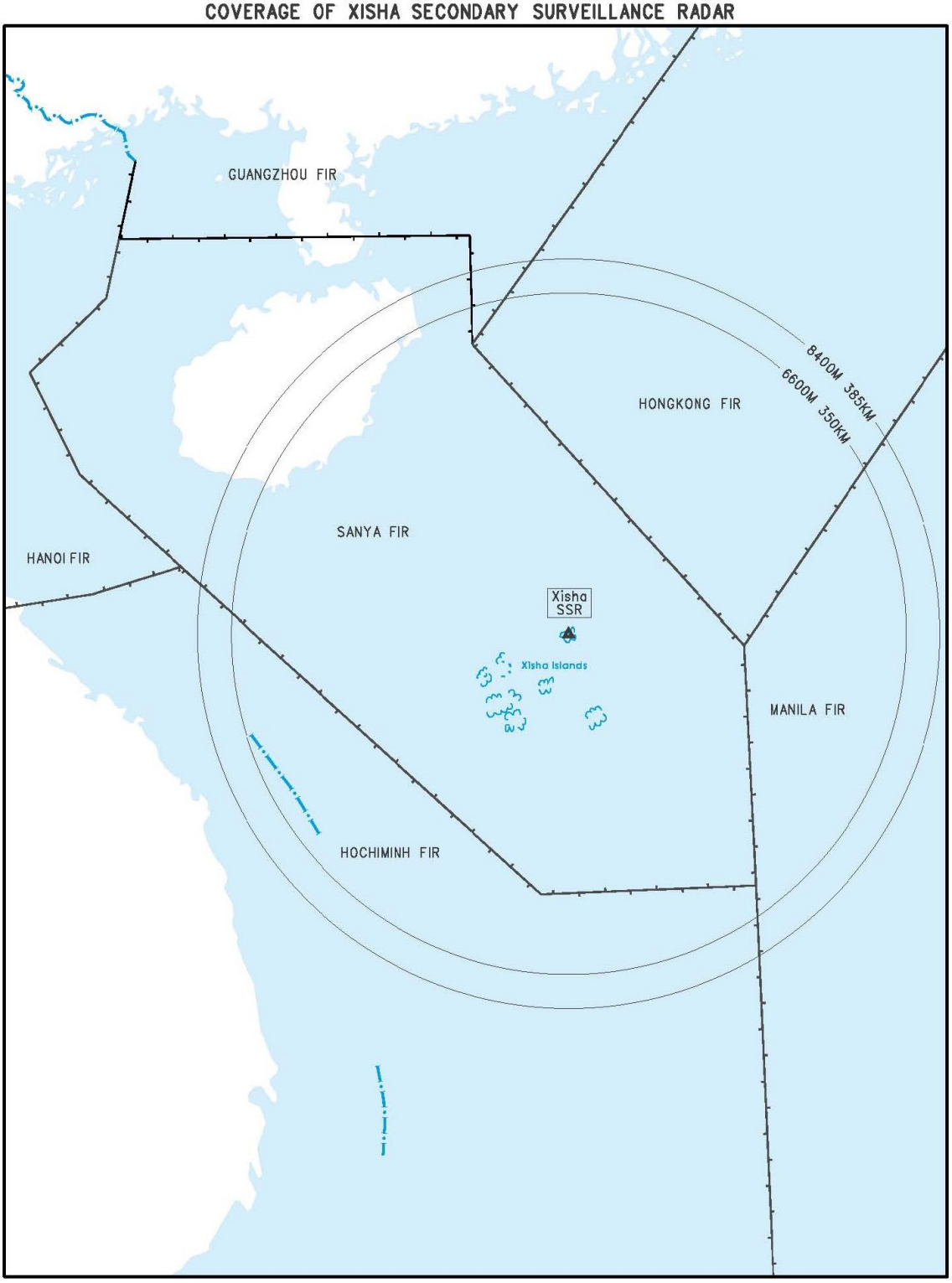
西沙二次监视雷达覆盖图
COVERAGE OF XISHA SECONDARY SURVEILLANCE RADAR



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ENR1.6.3 广播式自动相关监视

（待补充）

ENR1.6.3 Automatic dependent surveillance — broadcast (ADS-B)

(to be developed.)

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ENR1.6.4 其他相关信息和程序

(待补充)

ENR1.6.4 Other relevant information and procedures

(to be developed.)

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ENR1.7
高度表拨正程序
Altimeter setting procedures

ENR1.7.1 高度表拨正程序和飞行高度层配备

1. 介绍

中国高度表拨正程序基本与国际民用航空组织 8168 文件第一卷第六部分相一致，详见以下规定。

仪表进近图、仪表进场图和仪表离场图提供过渡高度或过渡高和过渡高度层。

用以确定足够地形超障高度的机场修正海平面气压(QNH)或机场场面气压(QFE)报告和温度通过气象广播提供，并可向空中交通服务单位申请得到。QNH 或 QFE 值的单位为百帕。

2. 高度表拨正值的规定

2.1 航路飞行

航路飞行的高度表拨正值为 1013.2 百帕。

2.2 机场塔台管制区域飞行

2.2.1 在规定过渡高度和过渡高度层的机场:

在机场高度表拨正区域内规定的过渡高度及其以下飞行,高度表拨正值为机场修正海平面气压; 在过渡高度层及其以上飞行，为 1013.2 百帕。

2.2.2 在规定过渡高和过渡高度层的机场：在机场高

ENR1.7.1 Altimeter setting procedures and flight levels allocation

1. Briefing

China's altimeter setting procedures in use basically conform to those contained in ICAO Doc 8168, Vol. I, Part 6, with details as follows:

Transition altitudes or transition heights and transition levels are given on the instrument approach charts and STAR/SID charts. QNH or QFE reports and temperature information for use in determining adequate terrain clearance are provided in MET broadcasts and are available on request from the air traffic services. QNH or QFE values are given in hectopascals.

2. Altimeter settings to be used

2.1 En-route flight

The altimeter setting for en-route flight is 1013.2hPa.

2.2 Flights within aerodrome tower control areas

2.2.1 At aerodromes where transition altitudes and transition levels are established:

QNH shall be used for flights at or below the transition altitude specified in the aerodrome Altimeter Setting Regions; 1013.2hPa shall be used for flights at or above the transition level.

2.2.2 At aerodromes where transition heights and

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度表拨正区域内规定的过渡高及其以下飞行，高度表拨正值为机场场面气压；在过渡高度层及其以上飞行，为 1013.2 百帕。

transition levels are established:QFE shall be used for flights at or below the transition height specified in the Aerodrome Altimeter Setting Regions; 1013.2hPa shall be used for flights at or above the transition level.

2.2.3 在没有规定过渡高度或过渡高和过渡高度层的机场:

详见 ENR 1.7 第 3.1.3 款。

2.2.3 At aerodromes where transition altitudes or transition heights and transition levels are not established:

Ref. subsection ENR 1.7, item 3.1.3 for details.

2.2.4 高原机场:

高原机场的飞行使用 1013.2 百帕。

2.2.4 At aerodromes of high elevation 1013.2hPa shall be used for flight operations.

3. 高度表拨正程序

3. Altimeter setting procedures

3.1 航空器起飞或降落时，高度表拨正程序按照下列规定进行:

3.1 When an aircraft is taking off from or landing at an aerodrome, the following altimeter setting procedures are to be observed:

3.1.1 规定过渡高度和过渡高度层的机场

3.1.1 At aerodromes where transition altitudes and transition levels are established

航空器起飞前，应当将机场修正海平面气压的数值对正航空器上气压高度表的固定指标；航空器起飞后，上升到过渡高度时，应当将航空器上气压高度表的气压刻度 1013.2 百帕对正固定指标;

当航空器在下降过程中穿越过渡高度层时，应当将机场场面气压的数值对正航空器上气压高度表的固定指标。

Before take-off, the aircraft altimeter subscale shall be set to QNH of the aerodrome; after take-off, upon reaching the transition altitude the altimeter subscale shall be set to 1013.2hPa; when an aircraft is passing through a transition level during descent, the altimeter subscale shall be set to QNH of the aerodrome.

3.1.2 规定过渡高和过渡高度层的机场

3.1.2 At aerodromes where transition heights and transition levels are established

航空器起飞前，应当将机场场面气压的数值对正航空器上气压高度表的固定指标；航空器起飞后，上升到过渡高时，应当将航空器上气压高度表的气压刻度

Before take-off, the aircraft altimeter subscale shall be set to the atmospheric pressure at the aerodrome elevation; after take-off, upon reaching the transition

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1013.2 百帕对正固定指标。

当航空器在下降过程中穿越过渡高度层时，应当将机场场面气压的数值对正航空器上气压高度表的固定指标。

3.1.3 没有规定过渡高度或过渡高和过渡高度层的机场

航空器起飞前,应当将机场场面气压的数值对正航空器上气压高度表的固定指标；航空器起飞后，上升到600 米高时，应当将航空器上气压高度表的气压刻度1013.2 百帕对正固定指标。在机场塔台管制区域内的下降过程中，航空器应根据空中交通管制员的指令开始调表。

3.1.4 高原机场

航空器起飞前，当航空器上气压高度表的气压刻度不能调整到机场场面气压的数值时，应当将气压高度表的气压刻度 1013.2 百帕对正固定指标(此时所指示的高度为零点高度)。航空器降落前，如果航空器上气压高度表的气压刻度不能调整到机场场面气压的数值时，应当按照降落机场空中交通管制员通知的假定零点高度（航空器着陆时所指示的高度）进行着陆。

3.1.5 为了安全实施高度表拨正，在机场地区划设了高度表拨正区域。要求低于过渡高度飞行的航空器，在进出高度表拨正区域的水平边界时或根据空中交通管制员的指示开始调整高度表，该水平边界详见

height the altimeter subscale shall be set to 1013.2hPa; when an aircraft is passing through a transition level during descent, the altimeter subscale shall be set to the atmospheric pressure at the aerodrome elevation.

3.1.3 At aerodromes where transition altitudes or transition heights and transition levels are not established

Before take-off, the aircraft altimeter subscale shall be set to the atmospheric pressure at the aerodrome elevation; after take-off when the aircraft has reached a height of 600m, the altimeter subscale shall be set to 1013.2hPa. During the process of descending in the aerodrome tower control area, the aircraft shall start altimeter setting by the instruction of air traffic controller.

3.1.4 At aerodromes of high elevation

When the aircraft altimeter subscale cannot be set to the atmospheric pressure at the aerodrome elevation, it will then be set to 1013.2hPa before take-off, with the indicated altitude interpreted as zero altitude.When the aircraft altimeter subscale cannot be set to the atmospheric pressure at the aerodrome elevation, landing is to be made with the assumed zero altitude notified by the air traffic controller before landing.

3.1.5 For the safe execution of altimeter setting, Aerodrome Altimeter Setting Regions are defined. An aircraft below the transition altitude is required to start its altimeter setting when entering or leaving the lateral

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ENR 1.7 第 4 款。

boundary of Altimeter Setting Region or by following the instruction of the air traffic controller. For details of lateral boundaries, please refer to subsection ENR 1.7, item 4.

3.2 航路飞行的垂直间隔，按照飞行高度层配备。飞行高度层按照以下标准划分:

3.2 En-route vertical separations are based on flight level allocation. Flight levels are determined by the following criteria:

a.真航线角在 0 度至 179 度范围内，高度由 900 米至 8 100 米以及 8 900 米至 12 500 米，每隔 600 米为一个高度层; 高度在 12 500 米（不含）以上，每隔 1 200 米为一个高度层。

a. For a true track between 0° - 179°, a flight level at every 600m from 900m up to 8 100m and 8 900m up to 12 500m; a flight level at every 1 200m above 12 500m.

b.真航线角在 180 度至 359 度范围内，高度由 600 米至 8 400 米以及 9 200 米至 12 200 米，每隔 600 米为一个高度层; 高度在 13 100 米以上，每隔 1 200 米为一个高度层。

b. For a true track between 180°-359°, a flight level at every 600m from 600m up to 8 400m and 9 200m up to 12 200m; a flight level at every 1 200m above 13 100m.

c.飞行高度层根据标准大气压条件下假定海平面计算，真航线角从航线起点和转弯点量取。

c. The flight level shall be calculated on the basis of presumed sea level under standard atmospheric pressure conditions. True track shall be measured from the starting or turning point of the air route.

飞行高度层的具体配备标准见飞行高度层配备示意图（见图 1.7-1、表 1.7-1）。

For specific flight level allocation criteria, see diagram of flight levels allocation (See Figure 1.7-1, Table 1.7-1).

4. 高度表拨正区域

4. Description of altimeter setting regions

详见第三部分-机场（AD）。

Ref. Part III-aerodrome (AD) for details.

5. 适用于经营人的程序

5. Procedures applicable to operators (including pilots)

飞行中将要使用的高度层必须在飞行计划中说明:

The level at which a flight is to be conducted shall be specified in a flight plan:

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a.如果在过渡高度层或者其上飞行，使用飞行高度层；

b.如果在机场附近或在过渡高度之下飞行，使用高度。

注：有些机场使用高而不使用高度。

a. In term of flight levels, if the flight is to be conducted at or above the transition level, and

b. In terms of altitudes, if the flight is to be conducted in the vicinity of an aerodrome and at or below the transition altitude.

Note: Height is used instead of altitude at some aerodromes.

表 1.7-1 飞行高度层配备标准表

Table 1.7-1 Table of Flight Levels Allocation

180°- 359°T				000°- 179°T			
Flight Levels				Flight Levels			
	m	ft			m	ft	
	ETC. ↑	ETC. ↑			ETC. ↑	ETC. ↑	
	15500	50900			14900	48900	
	14300	46900			13700	44900	
	13100	43000					
					12500	41100	
	12200	40100			11900	39100	
	11600	38100			11300	37100	
	11000	36100			10700	35100	
	10400	34100			10100	33100	
	9800	32100			9500	31100	
	9200	30100			8900	29100	

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	8400	27600			8100	26600	
	7800	25600			7500	24600	
	7200	23600			6900	22600	
	6600	21700			6300	20700	
	6000	19700			5700	18700	
	5400	17700			5100	16700	
	4800	15700			4500	14800	
	4200	13800			3900	12800	
	3600	11800			3300	10800	
	3000	9800			2700	8900	
	2400	7900			2100	6900	
	1800	5900			1500	4900	
	1200	3900			900	3000	
	600	2000			-	-	
	m	ft			m	ft	

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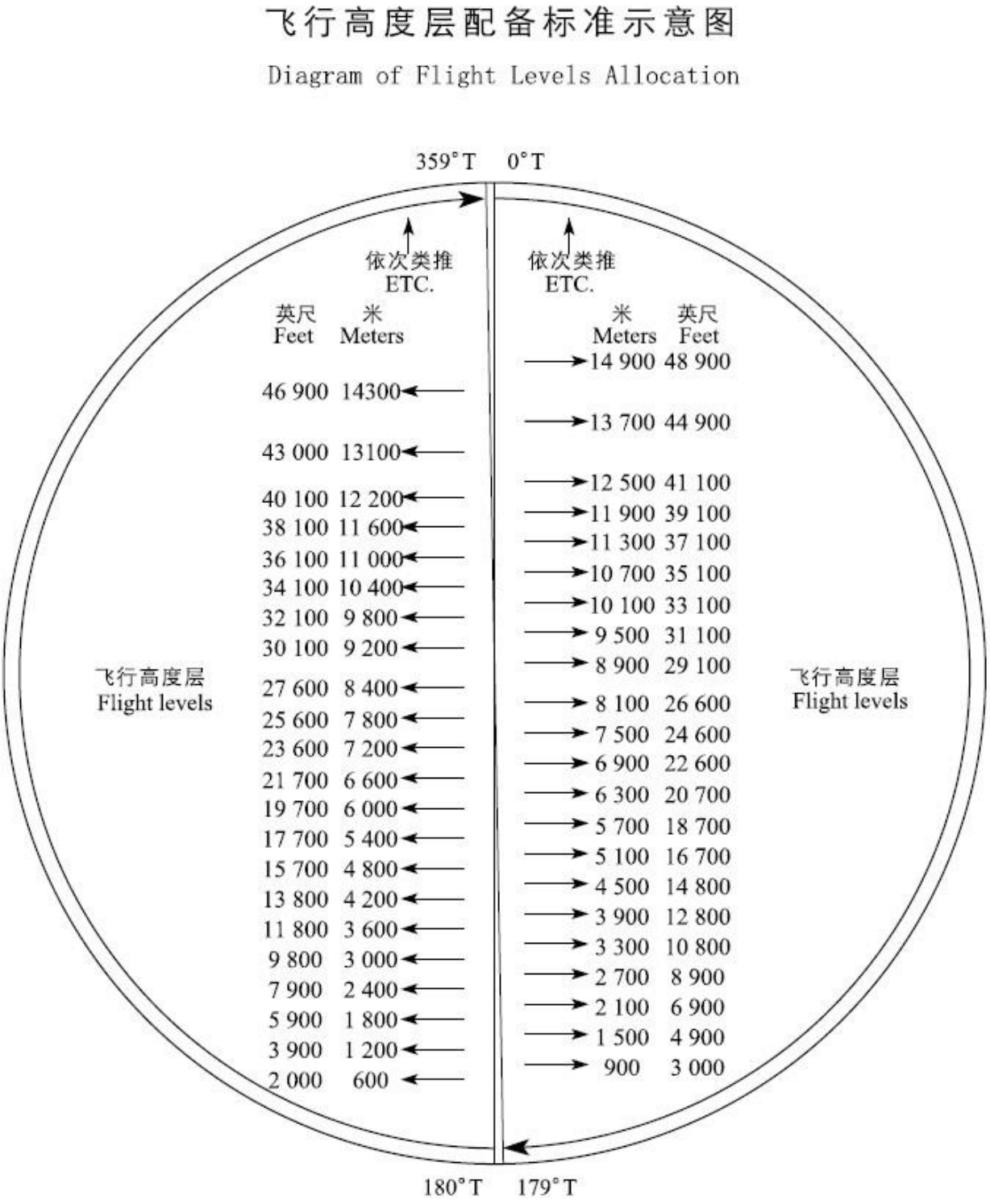
ENR1.7.2 飞行高度层配备标准示意图

ENR1.7.2 Diagram of flight levels allocation



注:管制员将发布米制飞行高度层指令。航空器驾驶 *Note: ATC will issue the Flight Level clearance in*

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员应当根据中国民航飞行高度层配备标准示意图(表)来确定对应的英制飞行高度层。航空器应当飞对应的英制飞行高度层。航空器驾驶员应当知晓公英制转换带来的差异,驾驶舱仪表显示的米制高度与管制指令的米制高度不一定完全一致,但存在的差异不会超过30 米。

meters. Pilots shall use the China FLAS Diagram to determine the corresponding flight level in feet. The aircraft shall be flown using the flight level in FEET. Pilots should be aware that due to the rounding differences, the metric readout of the onboard avionics will not necessarily correspond to the cleared Flight Level in meters however the difference will never be more than 30 meters.

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ENR1.8
地区补充程序
Regional supplementary procedures

(待补充) (to be developed.)

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ENR1.9
空中交通流量管理和空域管理
Air traffic flow management and airspace management

1. 负责机构

1.1 中国民航空中交通流量管理体系

中国民航空中交通流量管理体系为“两级决策、一级执行”。空管系统内部形成以空管局运行管理中心为全国级，地区空管局流量管理室为地区级，塔台、进近、区域管制流量管理席位为执行级的垂直流量管理运行体系。此外，空管与航空公司、机场之间形成覆盖全民航系统的横向流量管理协同联动体系。

1.2 机构设置及职责范围

1.2.1 全国级流量管理单位

由民航局空管局运行管理中心承担，位于中国北京，是全国空中交通流量的管理、监督、指导单位，主要负责全国范围空中交通流量和空域容量的统筹管理工作，统筹组织开展全国跨境流量管理工作。

1.2.2 地区级流量管理单位

由地区级流量管理室承担（现为 7 个地区空管局流

1. Responsible agency

1.1 ATFM framework of Civil Aviation of China

The ATFM framework of collaborative operation in China is “two-level conduction and one–level collaboration”, it internally uses a centralized multi-nodal ATFM operation network. The regional Air Traffic Management Bureaus and sub-bureaus which cover the entire ATM system with the Operation Management Center of ATMB as the hub, are supported and extended by the ATFM units located in ACC, APP and TWR. In addition, the flow management coordination framework covering the whole civil aviation system has been closely combined between ATC, airlines and airports.

1.2 Organizations and responsibilities

1.2.1 National ATFMU

Located in Beijing, China. Operations Management Center (OMC) of ATMB/CAAC is the management, supervision and guidance unit of the national air traffic flow, mainly responsible for the overall management of the national air traffic flow and airspace capacity, and the overall organization of the national cross-border traffic flow management work.

1.2.2 Conduction-level ATFMUs

The 7 Regional ATFMUs are mainly responsible for the

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量管理室），主要负责本地区内的空中交通流量管理工作，并与相邻国际地区开展跨境流量管理工作。

ATFM work in the local regions and the cross-border ATFM work with neighboring states and administrations.

1.2.3 流量管理执行单位

由塔台、进近、区域管制单位流量管理席位或具有流量管理职能的席位承担，主要负责执行流量管理措施，持续跟踪流量管理措施的实施效果。

1.2.3 Collaboration-level ATFMUs

The ATFM positions of Tower, Approach and Area control center or the positions with the function of ATFM are mainly responsible for implementing ATFM measures and continuously supervising the implementation effect of ATFM measures.

1.3 机构工作时间

各空中交通流量管理部门采取 24 小时值班的工作制度。

1.3 The Institution’s working hours

The ATFMUs adopt a 24-hour duty system.

1.4 流量管理工作理念

流量管理的目标包括合理管控空中交通流量，平衡飞行需求和空域容量，加强流量管理相关方的协同，建立公平机制，统筹使用资源以及促进无缝隙，协同式空管系统发展等。

1.4 ATFM concept

The main goal of ATFM is to appropriately manage traffic flows to balance flight demand and airspace capacity and enhance the coordination among ATFM stakeholders. Besides, establishing equitable mechanisms coordinating the use of resources and promoting the development of collaborative ATM systems are also the objectives of ATFM.

流量管理的原则包括在不影响安全的前提下优化机场和空域可用容量，在保持所需安全水平下最大化运行效率和经济环境效益，促进空中交通流量管理各参与方及时高效地协作，扶持新技术和新方法应用，持续完善流量管理以应对不断变化的航空运行环境等。

The principles of flow management include: optimizing the available capacity of airports and airspace without compromising safety, maximizing operational efficiency, cost-effectiveness and environmental sustainability while maintaining the required level of safety, promoting timely and efficient collaboration among ATM stakeholders, supporting the application of new technologies and methods and continuously

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improving traffic management to cope with the variable aviation operating environment.

2. 中国民航流量管理系统

中国民航流量管理系统（The National Air Traffic Flow Management System of China），简称 NTFM 系统，作为中国各级空中交通流量管理部门主用的生产运行系统，是目前中国民航行业内唯一覆盖全国，并且部署到空管、机场、航空公司三大运行主体的协同平台。截止目前，NTFM 系统已与中国国内超过 100 家航空公司及机场完成数据对接，同时完成了对空管、机场、航空公司等各方基础运行信息的优化整合，有效构建起中国民航运行核心数据枢纽。

通过 NTFM 系统，可以有效实施空中交通流量管理工作，开展战术流量管理阶段的运行态势监控、ADP 发布、流量分析预测、流控信息发布以及航班统一放行等工作。此外，预战术流量管理模块及跨境流量管理模块也在不断优化升级中。

2. National Traffic Flow Management System (NTFM)

Covering whole China civil aviation, NTFM is a major system deployed to the collaborative platform which consists of ATC, airports and airlines. At present, it has realized data exchange with more than 100 airports and airlines in China, and has completed the optimization and integration of basic operation information among ATC, airports and airlines, which effectively build the core data hub of China's civil aviation operation.

Through NTFM system, ATFM can be effectively implemented in operational situation monitoring, unified flight releasing, flow analysis and prediction, ADP and ATFM measures release during tactical phase. In addition, pre-tactical module and cross-border ATFM module are also under optimization.

3. 流量管理程序

3.1 适用范围

适用于中国民航空管、航空公司、机场等相关方在各运行阶段协同开展的流量管理工作。

3.2 流量管理措施分类

分为量控措施、间隔措施、其他措施工具，具体包括:

1. 量控措施：包括地面延误程序(GDP)、空域流量程序(AFP)、地面停止 (GS)。

3. ATFM programs

3.1 Scope of application

It is suitable for the flow management work carried out jointly by the ATC, airlines, airports and other relevant parties of civil aviation in each operation stage.

3.2 Classification of ATFM measures

Classified by traffic management methods

1. Ground Delay Program (GDP), Airspace Flow Program (AFP), Ground Stop (GS).

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2. 间隔措施：包括尾随间隔(MIT)、最小离港间隔（MDI）。

2. Miles in Trail(MIT), Minutes in Trail (MINIT), Minimum Departure Interval (MDI).

3. 其他措施工具：包括协同改航、高度限制、其他特殊申请等。

3. Other measures and tools: rerouting, altitude restrictions, cherry picking, etc.

3.3 中国境内的空中交通流量管理措施通过NTFM系统制定，并向相关管制部门发布措施信息。

跨境流量管理措施的发布遵循中国与相关国家（地区）达成的合作协议。

3.3 Release of ATFM measures

ATFM measures in China are formulated and released to the relevant regulatory authorities through the NTFM system.The release of cross-border traffic management measures follows the cooperation agreements reached between China and relevant states/administrations.

3.4 时隙发布规则

NTFM 系统基于相关标准和计算规则，按照已发布流量管理措施的具体要求，完成受限航班时隙分配，并向相关单位发布 CTOT。

3.4 Rules of time slot release

NTFM system based on relevant standards and calculation rules, in accordance with the specific requirements of published ATFM measures, complete the allocation of restricted flight slots, and distribute CTOT to relevant units.

3.5 放行程序及容差要求

塔台管制部门基于 NTFM 系统为受限航班分配的时隙，并结合时隙容差要求，安排航班离港放行。

3.5 Release procedures and tolerance requirements

Based on the time slot allocated by NTFM system for restricted flights and tolerance requirements, the tower control department arranges the departure of flights.

3.5.1 间隔管理类执行容差范围[-3,+3]分钟。

3.5.1 MIT tolerance range [-3,+3] minutes.

3.5.2 总量控制类执行容差范围[-7,+7]分钟。

3.5.2 GDP tolerance range [-7,+7] minutes.

4. 跨境流量管理合作

4. Cross-border ATFM cooperation

4.1 跨境流量管理机构

民航局空管局运行管理中心统筹组织开展中国跨境流量管理工作，各个跨境流量管理单位、初始流量管

4.1 Cross-border ATFMUs

The OMC of ATMB.CAAC coordinates and organizes the cross-border ATFM, and carries out coordination

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理单位及受影响流量管理单位之间共同开展协同。

work among the cross-border ATFMUs and originating ATFMUs.

4.2 跨境流量管理措施的制定程序

中国民航跨境流量管理措施的制定遵循“两级制定、一级协同”的原则，由初始流量管理单位和跨境流量管理单位按职责分工协同制定跨境流量管理措施，并由跨境流量管理单位负责协同管理和制定面向境外的流量管理措施，由全国级流量管理单位审批后发布实施。

4.2 Release procedure of ATFM measure

According to “two-level conduction and one–level collaboration” operational concept, first stage of ATFM measures is issued by originating ATFMU (O-ATFMU), also call constraint ATFM unit, issuing originating ATFM measure; Second stage is issued by cross-border ATFMU (C-ATFMU), making cross-border ATFM measure according to the split and restriction on international flights.

4.3 跨境流量管理信息的交互

中国民航可通过电子邮件、AFTN、CRV 网络（The Asia Pacific Common Regional Virtual Private Network）等方式与相关国家及地区进行流量管理信息交互。（注：未参加国际合作的国家（地区）通过电话等传统方式接收流量管理措施。）

1. 电子邮件

主要用于 ADP 发布以及流量管理信息的通知。

2. 基于 AFTN 网的跨境协调报文

主要用于 CTOT 的发布，其类型包括：时隙分配报（SAM）、时隙修改报（SRM）、时隙取消报（SLC）。

3. CRV 网络

主要用于与具备 CRV 网络的国家和地区进行系统至系统间流量管理信息的全面交互。

4. 协同平台（网站）

主要用于流量管理信息及相关辅助信息的发布。

4.3 Interaction of cross-border ATFM information

CAAC can exchange ATFM information with relevant states/administrations through E-mail, AFTN and FIXM format based on CRV. (Note: states/administrations that do not participate in international cooperation receive ATFM measures through traditional methods such as telephone.)

1. Email: mainly used for the issuance of ADP and ATFM information.

2. The cross-border coordination messages based on AFTN: including Time slot allocation (SAM), time slot modification (SRM), and time slot cancellation (SLC), mainly used for the issuance of CTOT.

3. The CRV network: mainly used for the comprehensive interaction of system-to-system traffic management information between states/ administrations with CRV networks.

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4. The Operational Information System (website): mainly used for the release of ATFM information and related auxiliary information.

5. 流量管理单位联系方式

暂不公布，如有需求可联系相邻地区空中交通管理部门。

5. Contact information of ATFMUs

Not announce at this time, if necessary, please contact the ATC departments of neighboring regions.

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ENR 2
空中交通服务空域
AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1
飞行情报区、区域管制区、终端管制区和进近管制区
FIR,CTA,TMA AND APP

ENR 2.1.1 飞行情报区 FIR

名称、地名代码 Name Location indicator	水平范围 Lateral limits	备注 Remarks
1.北京飞行情报区 Beijing FIR ZBPE	N452317 E1152115 N431442 E1173100 N421500 E1180500 N395400 E1192100 N393000 E1195200 N381500 E1200000 N380700 E1193300 N372912 E1173000 N364000 E1152400 N361900 E1143000 N360400 E1134836 N343200 E1101500 N353200 E1101800 N372800 E1104400 N382200 E1103600 N384400 E1094100 N392600 E1083000 N401842 E1070012 N404300 E1055500 N414451 E1051345 National Boundaries N452317 E1152115	

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2.广州飞行情报区 Guangzhou FIR ZGZU	N231145 E1053230 N243900 E1054800 N254200 E1073900 N263500 E1091900 N284700 E1092300 N293100 E1092400 N292300 E1130712 N290200 E1143400 N264200 E1135700 N260300 E1140700 N254600 E1145224 N250530 E1152500 N244024 E1152430 N242200 E1164200 N234200 E1171100 N233000 E1173000 N230000 E1173000 N222430 E1154000 N222430 E1143000 Hong Kong Boundaries N222130 E1135200 N193000 E1113000 N203000 E1113000 N203000 E1080300 N211235 E1081231 National Boundaries N231145 E1053230	在广州飞行情报区内设立香港空中交通管制服务代理区,标准大气压高度 3900 米(含)以下,范围如下: Hong Kong AOR is established within Guangzhou FIR, Altitude limit 3900m or below, the coverage as follows: N222130 E1135200-N220934 E1134153-N221344 E1133957-N222434 E1134944-N222629 E1135444-N222405 E1135200-N222130 E1135200.
3.香港飞行情报区 Hong Kong FIR VHHK		见中国香港航行资料汇编 See AIP Hong Kong, China

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4.昆明飞行情报区 Kunming FIR ZPKM	N302630 E0813730 N321806 E0840318 N362500 E0872300 N360200 E0890100 N325200 E0915500 N320600 E0970000 N314900 E0983500 N325500 E1014200 N333500 E1035300 N322700 E1054900 N321400 E1072400 N315400 E1093100 N293100 E1092400 N284700 E1092300 N263500 E1091900 N254200 E1073900 N243900 E1054800 N231145 E1053230 National Boundaries N302630 E0813730	

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5.兰州飞行情报区 Lanzhou FIR ZLHW	N414451 E1051345 N404300 E1055500 N401842 E1070012 N392600 E1083000 N384400 E1094100 N382200 E1103600 N372800 E1104400 N353200 E1101800 N343200 E1101500 N340500 E1102900 N333200 E1105200 N315400 E1093100 N321400 E1072400 N322700 E1054900 N333500 E1035300 N325500 E1014200 N314900 E0983500 N320600 E0970000 N325200 E0915500 N360200 E0890100 N362500 E0872300 N382100 E0901300 N414800 E0950800 N425500 E0962014 National Boundaries N414451 E1051345	
6.三亚飞行情报区 Sanya FIR ZJSA	N203000 E1080300 N203000 E1113000 N193000 E1113000 N164000 E1140000 N143000 E1140000 N143000 E1120000 N182028 E1074053 N191604 E1071123 N195733 E1075547 N203000 E1080300	

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7.上海飞行情报区 Shanghai FIR ZSHA	N300500 E1155600 N325430 E1154848 N343100 E1155430 N351448 E1152700 N364000 E1152400 N372912 E1173000 N380700 E1193300 N381500 E1200000 N381500 E1230000 N380000 E1240000 N290000 E1240000 N262908 E1212656 N250000 E1200000 N230000 E1173000 N233000 E1173000 N234200 E1171100 N242200 E1164200 N244024 E1152430 N250530 E1152500 N254600 E1145224 N260300 E1140700 N264200 E1135700 N290200 E1143400 N300500 E1155600	
8.沈阳飞行情报区 Shenyang FIR ZYSH	N394941 E1241006 N380000 E1240000 N381500 E1230000 N381500 E1200000 N393000 E1195200 N395400 E1192100 N421500 E1180500 N431442 E1173100 N452317 E1152115 National Boundaries N394941 E1241006	
9.台北飞行情报区 Taibei FIR RCAA		见中国台湾航行资料汇编 See AIP Taiwan, China

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10.乌鲁木齐飞行情报区 Urumqi FIR ZWUQ	N425500 E0962014 N414800 E0950800 N382100 E0901300 N362500 E0872300 N321806 E0840318 N302630 E0813730 National Boundaries N425500 E0962014	
11.武汉飞行情报区 Wuhan FIR ZHWH	N315400 E1093100 N333200 E1105200 N340500 E1102900 N343200 E1101500 N360400 E1134836 N361900 E1143000 N364000 E1152400 N351448 E1152700 N343100 E1155430 N325430 E1154848 N300500 E1155600 N290200 E1143400 N292300 E1130712 N293100 E1092400 N315400 E1093100	

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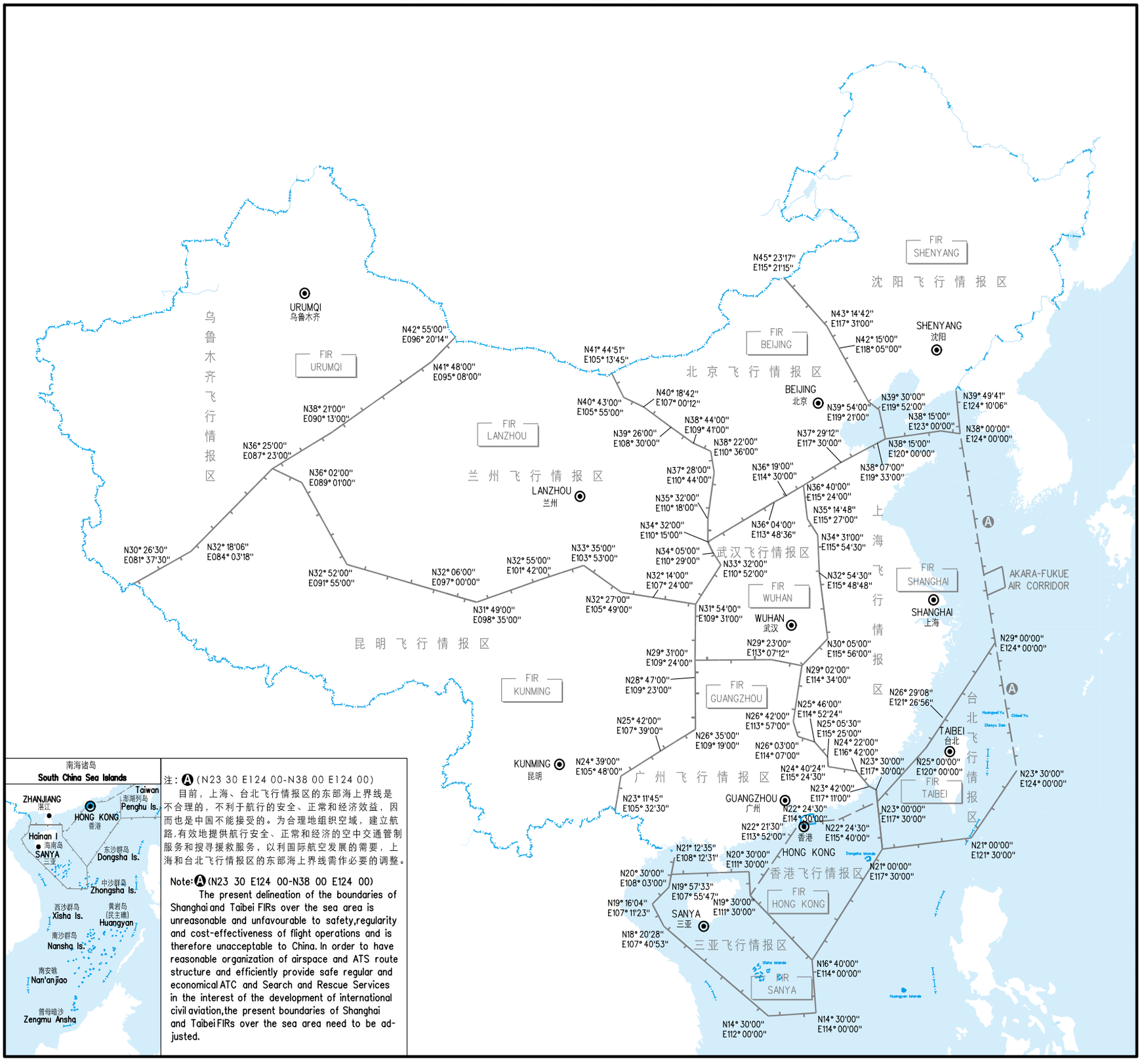
中国飞行情报区图
FLIGHT INFORMATION REGIONS OF CHINA



注：Ⓐ (N23 30 E124 00-N38 00 E124 00)

目前，上海、台北飞行情报区的东部海上界线是不合理的，不利于航行的安全、正常和经济效益，因而也是中国不能接受的。为合理地组织空域，建立航路，有效地提供航行安全、正常和经济的空中交通管制服务和搜寻援救服务，以利国际航空发展的需要，上海和台北飞行情报区的东部海上界线需作必要的调整。

Note: Ⓐ (N23 30 E124 00-N38 00 E124 00)

The present delineation of the boundaries of Shanghai and Taibei FIRs over the sea area is unreasonable and unfavourable to safety, regularity and cost-effectiveness of flight operations and is therefore unacceptable to China. In order to have reasonable organization of airspace and ATS route structure and efficiently provide safe regular and economical ATC and Search and Rescue Services in the interest of the development of international civil aviation, the present boundaries of Shanghai and Taibei FIRs over the sea area need to be adjusted.

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ENR 2.1.3
区域管制区
CTA

名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
1.北京飞行情报区 Beijing FIR					
1.1 北京区域管制区 Beijing Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	The relevant rules, see subsection ENR 2.2.2.
ZBAAAR01 N432658 E1112149 N413057 E1125726 N404413 E1125425 N414843 E1140800 N415205 E1145015 N422553 E1151044 N423342 E1175429 N431442 E1173100 N452317 E1152115 National Boundaries N432658 E1112149 12 500 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	133.025 MHz (134.0 MHz)	by ATC	
ZBAAAR02 N422553 E1151044 N423342 E1175429 N421500 E1180500 N420438 E1181810 N415325 E1182345 N413439 E1170452 N411247 E1170036 N411051 E1151839 N415205 E1145015 N422553 E1151044 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	125.9 MHz (134.45 MHz)	by ATC	不包括呼和浩特管制区 01 号扇区 Exclude sector ZBHHAR01

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZBAAAR03 N411051 E1151839 N411247 E1170036 N404448 E1165513 N404250 E1171655 N402102 E1170843 N400110 E1171221 N394758 E1165116 N394758 E1161343 N402723 E1161343 N411051 E1151839 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.475 MHz (134.45 MHz)	by ATC	
ZBAAAR04 N415325 E1182345 N404135 E1185837 N400110 E1171221 N402102 E1170843 N404250 E1171655 N404448 E1165513 N413439 E1170452 N415325 E1182345 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.1 MHz (134.45 MHz)	by ATC	
ZBAAAR05 N412556 E1134137 N414843 E1140800 N415205 E1145015 N411051 E1151839 N402723 E1161343 N402057 E1161343 N400605 E1152929 N401052 E1135438 N401541 E1134343 N405246 E1141518 N412556 E1134137	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	135.35 MHz (123.7 MHz)	by ATC	

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12 500 m ———————— GND					
ZBAAAR06 N395203 E1132356 N401541 E1134343 N401052 E1135438 N400605 E1152929 N402057 E1161343 N394758 E1161343 N393408 E1160108 N384723 E1142812 N384405 E1141453 N383922 E1135603 N384427 E1135345 N395203 E1132356 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	124.55 MHz (123.7 MHz)	by ATC	
ZBAAAR07 N432658 E1112149 N413057 E1125726 N404413 E1125425 N400407 E1121017 N390215 E1110415 N405049 E1104629 N424147 E1101229 National Boundaries N432658 E1112149 12 500 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	127.7 MHz (120.7 MHz)	H24	
ZBAAAR08 N424147 E1101229 N405049 E1104629 N390215 E1110415 N390520 E1075816 N414451 E1051345	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	134.25 MHz (120.7 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
National Boundaries N424147 E1101229 12 500 m ———————— 7 800 m(exclusive)					
ZBAAAR09 N380758 E1112539 N382344 E1124002 N371502 E1125932 N362939 E1120302 N380758 E1112539 12 500 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	126.7 MHz (128.7 MHz)	H24	
ZBAAAR10 N371502 E1125932 N382344 E1124002 N380758 E1112539 N390215 E1110415 N400407 E1121017 N400454 E1121108 N395203 E1132356 N384427 E1135345 N383922 E1135603 N384405 E1141453 N382512 E1141950 N374128 E1142942 N373655 E1141357 N372908 E1134705 N371502 E1125932 12 500 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	134.15 MHz (128.7 MHz)	by ATC	不包括北京区域12、37号管制扇区 Exclude ZBAAAR12/37
ZBAAAR11 N362939 E1120302 N371502 E1125932 N373655 E1141357 N361917 E1142957	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.525 MHz (128.7 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N352902 E1122516 N362939 E1120302 12 500 m ———————— 7 800 m(exclusive)					
ZBAAAR12 N380502 E1132442 N381900 E1140500 N382512 E1141950 N384027 E1150105 N385057 E1153051 N384003 E1153153 N383952 E1154034 N381717 E1152620 N374837 E1152812 N374009 E1152255 N374928 E1145751 N373655 E1141357 N372908 E1134705 N375707 E1132929 N380502 E1132442 8 900 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	128.3 MHz (120.775 MHz)	H24	不包括北京区域33号管制扇区 Exclude ZBAAAR33
ZBAAAR13 N373655 E1141357 N374928 E1145751 N372520 E1160203 N365406 E1160218 N363830 E1151950 N361917 E1142957 N373655 E1141357 12 500 m ———————— 8 900 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.65 MHz (120.775 MHz)	by ATC	
ZBAAAR14 N373655 E1141357 N374928 E1145751	北京区域管制中心 Beijing ACC	北京区域 Beijing Control	133.1 MHz (120.775 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N372520 E1160203 N365406 E1160218 N363830 E1151950 N361917 E1142957 N373655 E1141357 8 900 m ———————— GND		中、英 Ch,En			
ZBAAAR15 N383850 E1161217 N381545 E1160139 N372520 E1160203 N374009 E1152255 N374837 E1152812 N381717 E1152620 N383952 E1154034 N383850 E1161217 12 500 m ———————— 8 900 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	128.1 MHz (133.65 MHz)	H24	
ZBAAAR16 N383850 E1161217 N381545 E1160139 N372520 E1160203 N374009 E1152255 N374837 E1152812 N381717 E1152620 N383952 E1154034 N383850 E1161217 8 900 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	135.3 MHz (133.65 MHz)	by ATC	
ZBAAAR17 N383850 E1161217 N383825 E1163053 N381641 E1162906 N371248 E1165430 N365406 E1160218	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	134.05 MHz (132.975 MHz)	by ATC	

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N372520 E1160203 N381545 E1160139 N383850 E1161217 12 500 m ———————— GND					
ZBAAAR18 N383825 E1163053 N383627 E1174013 N372641 E1173414 N371248 E1165430 N381641 E1162906 N383825 E1163053 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.6 MHz (132.975 MHz)	by ATC	
ZBAAAR19 N393408 E1160108 N394758 E1161343 N394758 E1165116 N400110 E1171221 N392536 E1171847 N390917 E1173001 N390749 E1174032 N383627 E1174013 N383850 E1161217 N393408 E1160108 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	120.35 MHz (132.975 MHz)	H24	
ZBAAAR20 N400110 E1171221 N404135 E1185837 N403840 E1190000 N395400 E1192100 N385756 E1184517 N383630 E1184212 N384547 E1174019	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	125.6 MHz (132.225 MHz)	by ATC	

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N390749 E1174032 N390917 E1173001 N392536 E1171847 N400110 E1171221 12 500 m ———————— GND					
ZBAAAR21 N395400 E1192100 N393000 E1195200 N391500 E1195400 N382443 E1195902 N383630 E1184212 N385756 E1184517 N395400 E1192100 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	133.525 MHz (132.225 MHz)	by ATC	
ZBAAAR22 N372641 E1173414 N383627 E1174013 N384547 E1174019 N383630 E1184212 N382443 E1195902 N381500 E1200000 N380600 E1193200 N372641 E1173414 12 500 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.7 MHz (132.225 MHz)	by ATC	
ZBAAAR23 N363830 E1151950 N380600 E1193200 N370900 E1193200 N364015 E1195240 N361930 E1195230 N360750 E1194310 N361210 E1191102	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	118.95 MHz (133.35 MHz)	by ATC	

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N362436 E1171242 N355542 E1151121 N363830 E1151950 12 500 m ———————— 7 800 m(exclusive)					
ZBAAAR24 N355542 E1151121 N362436 E1171242 N361210 E1191102 N360750 E1194310 N350330 E1191530 N344322 E1165556 N341420 E1160733 N351800 E1150400 N355542 E1151121 12 500 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	127.35 MHz (133.35 MHz)	by ATC	
ZBAAAR25 N354204 E1125650 N361917 E1142957 N363830 E1151950 N351800 E1150400 N345328 E1152845 N341731 E1144240 N342221 E1141823 N342706 E1135425 N340735 E1132626 N354204 E1125650 12 500 m ———————— 9 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	135.6 MHz (123.225 MHz)	by ATC	
ZBAAAR26 N354204 E1125650 N361917 E1142957 N363830 E1151950 N351800 E1150400	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	127.5 MHz (123.225 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N345328 E1152845 N341731 E1144240 N342221 E1141823 N342706 E1135425 N340735 E1132626 N354204 E1125650 9 800 m ———————— 7 800 m(exclusive)					
ZBAAAR27 N342706 E1135425 N342221 E1141823 N341731 E1144240 N345328 E1152845 N341420 E1160733 N325502 E1155001 N320730 E1140412 N321438 E1134838 N334603 E1133153 N335400 E1133035 N340735 E1132626 N342706 E1135425 12 500 m ———————— 9 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	125.35 MHz (123.225 MHz)	by ATC	
ZBAAAR28 N342706 E1135425 N342221 E1141823 N341731 E1144240 N345328 E1152845 N341420 E1160733 N325502 E1155001 N320730 E1140412 N321438 E1134838 N334603 E1133153 N335400 E1133035 N340735 E1132626 N342706 E1135425	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	132.2 MHz (123.225 MHz)	by ATC	

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9 800 m ———————— 7 800 m(exclusive)					
ZBAAAR29 N352902 E1122516 N354204 E1125650 N340735 E1132626 N335400 E1133035 N334603 E1133153 N321438 E1134838 N333227 E1105056 N352902 E1122516 12 500 m ———————— 9 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	134.225 MHz (132.425 MHz)	by ATC	
ZBAAAR30 N352902 E1122516 N354204 E1125650 N340735 E1132626 N335400 E1133035 N334603 E1133153 N335822 E1124810 N334944 E1110435 N352902 E1122516 9 800 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	118.925 MHz (132.425 MHz)	by ATC	
ZBAAAR31 N334603 E1133153 N335822 E1124810 N334944 E1110435 N333227 E1105056 N321438 E1134838 N334603 E1133153 9 800 m ———————— 7 800 m(exclusive)	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	126.95 MHz (132.425 MHz)	H24	
ZBAAAR32	北京区域管制中心	北京区域	133.775 MHz	by ATC	

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N412556 E1134137 N405246 E1141518 N401541 E1134343 N395203 E1132356 N400454 E1121108 N412556 E1134137 12 500 m ———————— GND	Beijing ACC	Beijing Control 中、英 Ch,En	(123.7 MHz)		
ZBAAAR33 N373330 E1123000 N370433 E1123232 N371502 E1125932 N372908 E1134705 N373655 E1141357 N381900 E1140500 N383922 E1135603 N384427 E1135345 N395203 E1132356 N373330 E1123000 In area: N373655 E1141357 N372908 E1134705 N375707 E1132929 N380502 E1132442 N380957 E1132144 N382748 E1131052 N383922 E1135603 N381900 E1140500 N373655 E1141357 6 000m ———————— GND Other area: 7 800m ———————— GND	太原区域管制室 Taiyuan ACC	北京区域 Beijing Control 中、英 Ch,En	120.55 MHz (123.775 MHz)	H24	
ZBAAAR34	太原区域管制室	北京区域	127.1 MHz	by ATC	

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N352902 E1122516 N370230 E1115044 N373330 E1123000 N370433 E1123232 N371502 E1125932 N372908 E1134705 N373655 E1141357 N361917 E1142957 N352902 E1122516 7 800 m ———————— GND	Taiyuan ACC	Beijing Control 中、英 Ch,En	(123.775 MHz)		
ZBAAAR35 N400407 E1121017 N400454 E1121108 N395203 E1132356 N373330 E1123000 N370230 E1115044 N390215 E1110415 N400407 E1121017 7 800 m ———————— GND	太原区域管制室 Taiyuan ACC	北京区域 Beijing Control 中、英 Ch,En	133.9 MHz (123.775 MHz)	by ATC	
ZBAAAR36 N393408 E1160108 N383850 E1161217 N383952 E1154034 N381717 E1152620 N374837 E1152812 N374009 E1152255 N374928 E1145751 N374128 E1142942 N382512 E1141950 N384405 E1141453 N384723 E1142812 N393408 E1160108 12 500 m ————————	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	134.75 MHz (133.65 MHz)	by ATC	

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8 900 m(exclusive)					
ZBAAAR37 N381900 E1140500 N382512 E1141950 N384027 E1150105 N385057 E1153051 N384003 E1153153 N383952 E1154034 N383850 E1161217 N393408 E1160108 N384723 E1142812 N384405 E1141453 N383922 E1135603 N382748 E1131052 N380957 E1132144 N380502 E1132442 N381900 E1140500 8 900 m ———————— GND	北京区域管制中心 Beijing ACC	北京区域 Beijing Control 中、英 Ch,En	Nil (Nil)	by ATC 该扇区不工作时由北京区域36号扇区代替 Contact ZBAAAR36 when ZBAAAR37 U/S.	不包括北京区域33号管制扇区 Exclude ZBAAAR33
1.2 北京中低空区域管制区 Beijing Lower Control Area					
ZBAALTA N420438 E1181810 N403840 E1190000 N395400 E1192100 N393000 E1195200 N391500 E1195400 N381500 E1200000 N380600 E1193200 N363830 E1151950 N361917 E1142957 N352902 E1122516 N390215 E1110415 N400407 E1121017 N414843 E1140800 N415820 E1162000 N420438 E1181810		中、英 Ch,En	Nil (Nil)		

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————————					
1.3 呼和浩特区域管制区 Hohhot Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZBHHAR01 N424147 E1101229 N410737 E1105227 N410344 E1131620 N414843 E1140800 N415820 E1162000 N420438 E1181810 N421500 E1180500 N431442 E1173100 N452317 E1152115 National Boundaries N424147 E1101229 7 800 m ———————— GND	呼和浩特区域管制室 Hohhot ACC	呼和浩特区域 Hohhot Control 中、英 Ch,En	133.7 MHz (120.5 MHz)	H24	
ZBHHAR02 N410737 E1105227 N410344 E1131620 N400407 E1121017 N390215 E1110415 N403328 E1095948 N410737 E1105227 7 800 m ———————— GND	呼和浩特区域管制室 Hohhot ACC	呼和浩特区域 Hohhot Control 中、英 Ch,En	119.325 MHz (120.5 MHz)	2300-1600(next day)	
ZBHHAR03 N424147 E1101229 N410737 E1105227 N403328 E1095948 N390215 E1110415 N390520 E1075816 N414451 E1051345 National Boundaries N424147 E1101229	呼和浩特区域管制室 Hohhot ACC	呼和浩特区域 Hohhot Control 中、英 Ch,En	132.775 MHz (120.5 MHz)	by ATC	

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7 800 m ———————— GND					
2.广州飞行情报区 Guangzhou FIR					
2.1 长沙区域管制区 Changsha Control Area			8 897 kHz	0001-1200	
			3 016 kHz	1201-2400	
			(6 571 kHz)	H24	
ZGHAAR01 N293314 E1120945 N280106 E1125748 N271654 E1125418 N263212 E1125048 N253409 E1122134 N251645 E1112030 N261600 E1094350 N270900 E1103700 N274219 E1104255 N282737 E1104100 N285048 E1113712 N293314 E1120945 7 800 m ———————— 6 600 m(exclusive)	长沙区域管制室 Changsha ACC	长沙区域 Changsha Control 中、英 Ch,En	123.2 MHz (133.15 MHz)	by ATC 该扇区不工作时由长沙区域04号扇区代替 Contact ZGHAAR04 when ZGHAAR01 U/S.	
ZGHAAR02 N290200 E1143400 N293202 E1123206 N293314 E1120945 N280106 E1125748 N271654 E1125418 N273900 E1133054 N274056 E1141223 N290200 E1143400 7 800 m ———————— GND	长沙区域管制室 Changsha ACC	长沙区域 Changsha Control 中、英 Ch,En	132.55 MHz (127.35 MHz)	by ATC 该扇区不工作时由长沙区域04号扇区代替 Contact ZGHAAR04 when ZGHAAR02 U/S.	
ZGHAAR03 N274056 E1141223	长沙区域管制室 Changsha ACC	长沙区域 Changsha	135.1 MHz (127.35 MHz)	by ATC 该扇区不工作	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N273900 E1133054 N271654 E1125418 N263212 E1125048 N253409 E1122134 N260244 E1140559 N264200 E1135700 N274056 E1141223 7 800 m ———————— GND		Control 中、英 Ch,En		时由长沙区域02号扇区代替 Contact ZGHAAR02 when ZGHAAR03 U/S.	
ZGHAAR04 N293314 E1120945 N285048 E1113712 N282737 E1104100 N275454 E1092545 N284700 E1092300 N294035 E1090839 N293314 E1120945 7 800 m ———————— GND	长沙区域管制室 Changsha ACC	长沙区域 Changsha Control 中、英 Ch,En	123.9 MHz (133.15 MHz)	H24	
ZGHAAR05 N293314 E1120945 N280106 E1125748 N271654 E1125418 N263212 E1125048 N253409 E1122134 N251645 E1112030 N261600 E1094350 N270900 E1103700 N274219 E1104255 N282737 E1104100 N285048 E1113712 N293314 E1120945 6 600 m ———————— GND	长沙区域管制室 Changsha ACC	长沙区域 Changsha Control 中、英 Ch,En	127.15 MHz (123.725 MHz)	0030-1400 该扇区不工作时由长沙区域01号扇区代替 Contact ZGHAAR01 when ZGHAAR05 U/S.	
ZGHAAR06	长沙区域管制室	长沙区域	128.55 MHz	0030-1400	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N282737 E1104100 N275454 E1092545 N273100 E1092700 N263500 E1091900 N261600 E1094350 N270900 E1103700 N274219 E1104255 N282737 E1104100 7 800 m ———————— GND	Changsha ACC	Changsha Control 中、英 Ch,En	(123.725 MHz)	该扇区不工作时由长沙区域04号扇区代替 Contact ZGHAAR04 when ZGHAAR06 U/S.	
2.2 广州区域管制区 Guangzhou Control Area			10 066 kHz	0001-1200	The relevant rules, see subsection ENR 2.2.2. PMS radar vectoring area：N232616E1114200-an anticlockwised arc with radius of 90KM centered at gaoyao VOR 'GYA' -N223037E1115105-N230418E1122907-N231230E1114936-N232616E1114200.
			3 491 kHz	1201-2400	
			(6 556 kHz)	H24	
ZGGGAR01 N242052 E1154002 N234049 E1154326 N232600 E1142742 N233855 E1141941 N234306 E1141200 N241736 E1144406 N242535 E1144554 N242052 E1154002 12 500 m	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	118.95 MHz (132.4 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZGGGAR02 N241736 E1144406 N234306 E1141200 N235542 E1133836 N241106 E1133254 N251228 E1133805 N244800 E1145100 N242535 E1144554 N241736 E1144406 9 200 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	120.75 MHz (134.25 MHz)	by ATC	
ZGGGAR03 N244329 E1123951 N243754 E1133509 N241106 E1133254 N235542 E1133836 N233206 E1132306 N232430 E1123200 N235103 E1124749 N243039 E1123146 N244329 E1123951 12 500 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	120.95 MHz (122.5 MHz)	by ATC	
ZGGGAR04 N215048 E1113030 N222806 E1104706 N225136 E1103300 N232842 E1111824 N240900 E1111618 N242107 E1111703 N232430 E1123200 N230417 E1122907 N224800 E1122918 N215048 E1113030	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	124.45 MHz (122.5 MHz)	H24	

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In area: N242107 E1111703 N232430 E1123200 N230417 E1122907 N224800 E1122918 N220431 E1114430 N232625 E1112950 N240900 E1111618 N242107 E1111703 8 400m — — — — — — GND Other area: 8 400m — — — — — — 7 800m(exclusive)					
ZGGGAR05 N222130 E1135200 N214114 E1130000 N222606 E1130000 N224800 E1122918 N230417 E1122907 N232430 E1123200 N233206 E1132306 N235542 E1133836 N234306 E1141200 N233855 E1141941 N232600 E1142742 N231524 E1141118 N225400 E1140342 N224818 E1142800 N223700 E1144500 N222430 E1144500 N222430 E1143000 Hong Kong Boundaries N222130 E1135200 9 800 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	125.35 MHz (126.1 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZGGGAR06 N234049 E1154326 N231904 E1154515 N231535 E1154532 N224911 E1160541 N224057 E1163005 N222430 E1154000 N222430 E1144500 N223700 E1144500 N224818 E1142800 N225400 E1140342 N231524 E1141118 N232600 E1142742 N234049 E1154326 12 500 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	128.3 MHz (134.2 MHz)	by ATC	
ZGGGAR11 N251645 E1112030 N242107 E1111703 N240900 E1111618 N240742 E1101106 N244006 E1095024 N254200 E1073900 N263500 E1091900 N261600 E1094350 N260420 E1100309 N251645 E1112030 12 500 m ———————— 9 200 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	132.75 MHz (132.1 MHz)	by ATC	
ZGGGAR12 N273718 E1121729 N265430 E1123800 N253409 E1122134 N253121 E1121138 N251645 E1112030 N260420 E1100309	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	128.1 MHz (134.15 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N274219 E1104255 N280722 E1104152 N281905 E1114713 an anticlockwised arc with radius of 50KM centered at N280401 E1121233 N273718 E1121729 12 500 m ———————— 7 800 m(exclusive)					
ZGGGAR13 N283100 E1121144 N293314 E1120945 N293202 E1123206 N290200 E1143400 N274501 E1141327 N273743 E1133143 N265430 E1123800 N273718 E1121729 a clockwised arc with radius of 50KM centered at N280401 E1121233 N283100 E1121144 9 800 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	126.15 MHz (124.525 MHz)	by ATC	
ZGGGAR14 N274501 E1141327 N265924 E1140131 N263850 E1134142 N255615 E1134151 N253409 E1122134 N265430 E1123800 N273718 E1121729 a clockwised arc with radius of 50KM centered at N280401 E1121233 N283100 E1121144	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.9 MHz (124.525 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N293314 E1120945 N293202 E1123206 N290200 E1143400 N274501 E1141327 12 500 m ———————— 9 800 m(exclusive)					
ZGGGAR15 N292937 E1124215 N290200 E1143400 N300520 E1141833 N305156 E1142738 N310724 E1130533 N303822 E1130832 N301259 E1131108 N292937 E1124215 9 800 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	135.35 MHz (133.5 MHz)	by ATC	
ZGGGAR16 N325502 E1155001 N321100 E1154030 N314805 E1154322 N311730 E1144752 N305156 E1142738 N310724 E1130533 N313036 E1114651 N325624 E1121506 N323540 E1130201 N320730 E1140412 N325502 E1155001 9 800 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	118.9 MHz (133.675 MHz)	H24	
ZGGGAR17 N333227 E1105056 N325624 E1121506 N313036 E1114651	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英	134.1 MHz (132.15 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N303343 E1112837 N293605 E1111031 N294035 E1090839 N315400 E1093100 N325940 E1102520 N333227 E1105056 12 500 m ———————— 7 800 m(exclusive)		Ch,En			
ZGGGAR19 N281905 E1114713 N280722 E1104152 N275346 E1092549 N284700 E1092300 N294035 E1090839 N293605 E1111031 N293314 E1120945 N283100 E1121144 an anticlockwised arc with radius of 50KM centered at N280401 E1121233 N281905 E1114713 9 200 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	135.45 MHz (134.15 MHz)	by ATC	
ZGGGAR20 N254825 E1145235 N252605 E1145923 N244800 E1145100 N251228 E1133805 N255615 E1134151 N263850 E1134142 N265924 E1140131 N261127 E1141540 N254825 E1145235 9 200 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	132.3 MHz (134.25 MHz)	by ATC	不包括长沙管制区 03 号扇区 Exclude sector ZGHAAR03

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZGGGAR21 N325502 E1155001 N321100 E1154030 N314805 E1154322 N311730 E1144752 N305156 E1142738 N310724 E1130533 N313036 E1114651 N325624 E1121506 N323540 E1130201 N320730 E1140412 N325502 E1155001 12 500 m ———————— 9 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	134.5 MHz (133.5 MHz)	by ATC	
ZGGGAR22 N251645 E1112030 N242107 E1111703 N240900 E1111618 N240742 E1101106 N244006 E1095024 N254200 E1073900 N263500 E1091900 N261600 E1094350 N260420 E1100309 N251645 E1112030 9 200 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.85 MHz (132.1 MHz)	by ATC 该扇区不工作时由广州区域11号扇区代替 Contact ZGGGAR11 when ZGGGAR22 U/S.	
ZGGGAR23 N251645 E1112030 N253409 E1122134 N250322 E1122134 N244329 E1123951 N243039 E1123146 N235103 E1124749 N232430 E1123200 N242107 E1111703	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	125.75 MHz (132.65 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N251645 E1112030 12 500 m ———————— GND					
ZGGGAR24 N213420 E1114950 N215048 E1113030 N224800 E1122918 N222606 E1130000 N214114 E1130000 N203000 E1113000 N213420 E1114950 In area: N213420 E1114950 N215048 E1113030 N220431 E1114430 N213420 E1114950 12 500m ———————— 7 800m(exclusive) Other area: 12 500m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	127.5 MHz (126.1 MHz)	by ATC	
ZGGGAR25 N274501 E1141327 N265924 E1140131 N263850 E1134142 N255615 E1134151 N253409 E1122134 N265430 E1123800 N273743 E1133143 N274501 E1141327 9 800 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	119.375 MHz (124.525 MHz)	by ATC	
ZGGGAR27 N292937 E1124215	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou	132.35 MHz (133.5 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N290200 E1143400 N300520 E1141833 N305156 E1142738 N310724 E1130533 N303822 E1130832 N301259 E1131108 N292937 E1124215 12 500 m ———————— 9 800 m(exclusive)		Control 中、英 Ch,En			
ZGGGAR28 N254134 E1154653 N254825 E1145235 N261127 E1141540 N265924 E1140131 N273019 E1140937 N265020 E1162910 N254134 E1154653 9 200 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.475 MHz (134.25 MHz)	by ATC	
ZGGGAR29 N222130 E1135200 N214114 E1130000 N222606 E1130000 N224800 E1122918 N230417 E1122907 N232430 E1123200 N233206 E1132306 N235542 E1133836 N234306 E1141200 N233855 E1141941 N232600 E1142742 N231524 E1141118 N225400 E1140342 N224818 E1142800 N223700 E1144500 N222430 E1144500	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.075 MHz (126.1 MHz)	by ATC	

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N222430 E1143000 Hong Kong Boundaries N222130 E1135200 12 500 m ———————— 9 800 m(exclusive)					
ZGGGAR30 N215048 E1113030 N222806 E1104706 N225136 E1103300 N232842 E1111824 N240900 E1111618 N242107 E1111703 N232430 E1123200 N230417 E1122907 N224800 E1122918 N215048 E1113030 12 500 m ———————— 8 400 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.275 MHz (132.65 MHz)	by ATC	
ZGGGAR31 N293605 E1111031 N293202 E1123206 N292937 E1124215 N301259 E1131108 N303822 E1130832 N310724 E1130533 N313036 E1114651 N303343 E1112837 N293605 E1111031 12 500 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	124.9 MHz (133.675 MHz)	by ATC	
ZGGGAR32 N280722 E1104152 N274219 E1104255 N260420 E1100309 N261600 E1094350	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.375 MHz (132.925 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N263500 E1091900 N273100 E1092700 N275346 E1092549 N280722 E1104152 12 500 m ———————— 7 800 m(exclusive)					
ZGGGAR33 N253409 E1122134 N255615 E1134151 N251228 E1133805 N243754 E1133509 N244329 E1123951 N250322 E1122134 N253409 E1122134 12 500 m ———————— GND	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.525 MHz (122.5 MHz)	by ATC	
ZGGGAR34 N241736 E1144406 N234306 E1141200 N235542 E1133836 N241106 E1133254 N251228 E1133805 N244800 E1145100 N242535 E1144554 N241736 E1144406 12 500 m ———————— 9 200 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	126.75 MHz (133.775 MHz)	by ATC	
ZGGGAR35 N254825 E1145235 N252605 E1145923 N244800 E1145100 N251228 E1133805 N255615 E1134151 N263850 E1134142 N265924 E1140131	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	134.8 MHz (133.775 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N261127 E1141540 N254825 E1145235 12 500 m ———————— 9 200 m(exclusive)					
ZGGGAR36 N314805 E1154322 N300500 E1155600 N290200 E1143400 N300520 E1141833 N305156 E1142738 N311730 E1144752 N314805 E1154322 12 500 m ———————— 7 800 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.25 MHz (133.675 MHz)	by ATC	
ZGGGAR37 N281905 E1114713 N280722 E1104152 N275346 E1092549 N284700 E1092300 N294035 E1090839 N293605 E1111031 N293314 E1120945 N283100 E1121144 an anticlockwised arc with radius of 50KM centered at N280401 E1121233 N281905 E1114713 12 500 m ———————— 9 200 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	128.725 MHz (132.925 MHz)	by ATC	
ZGGGAR38 N254825 E1145235 N254134 E1154653 N252140 E1153450 N242052 E1154002 N242535 E1144554	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	133.975 MHz (132.4 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N244800 E1145100 N252605 E1145923 N254825 E1145235 12 500 m ———————— GND					
ZGGGAR40 N254134 E1154653 N254825 E1145235 N261127 E1141540 N265924 E1140131 N273019 E1140937 N265020 E1162910 N254134 E1154653 12 500 m ———————— 9 200 m(exclusive)	广州区域管制室 Guangzhou ACC	广州区域 Guangzhou Control 中、英 Ch,En	132.825 MHz (134.25 MHz)	by ATC	
2.3 广州中低空区域管制区 Guangzhou Lower Control Area					
ZGGGLTA N251645 E1112030 N240900 E1111618 N232625 E1112950 N213420 E1114950 N203000 E1113000 N193000 E1113000 N222130 E1135200 Hong Kong Boundaries N222430 E1143000 N222430 E1154000 N224057 E1163005 N224911 E1160541 N250710 E1141830 N260244 E1140559 N251645 E1112030 ————————		中、英 Ch,En	Nil (Nil)		
2.4 南宁区域管制区 Nanning Control Area			10 066 kHz 3 491 kHz	0001-1200 1201-2400	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
			(6 556 kHz)	H24	
ZGNNAR01 N250233 E1090328 N244006 E1095024 N240742 E1101106 N240752 E1101852 N240900 E1111618 N232842 E1111824 N225136 E1103300 N222806 E1104706 N223018 E1092812 N220304 E1091236 N230750 E1090430 N232550 E1080717 N250233 E1090328 In area: N240742 E1101106 N240752 E1101852 N240900 E1111618 N232842 E1111824 N225136 E1103300 N240742 E1101106 6000m — — — — — — GND Other area: 9 800m — — — — — — GND	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	132.7 MHz (120.55 MHz)	H24	
ZGNNAR02 N231145 E1053230 N243900 E1054800 N254200 E1073900 N250233 E1090328 N232550 E1080717 N230410 E1075455 N225316 E1064201 National Boundaries	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	133.1 MHz (120.55 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N231145 E1053230 9 800 m ———————— GND					
ZGNNAR03 N225316 E1064201 N230410 E1075455 N232550 E1080717 N230750 E1090430 N220304 E1091236 N213748 E1085812 N210000 E1084800 N203000 E1091500 N203000 E1080300 N211235 E1081231 National Boundaries N213302 E1080010 National Boundaries N225316 E1064201 9 800 m ———————— GND	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	133.75 MHz (133.4 MHz)	by ATC	
ZGNNAR04 N250233 E1090328 N244006 E1095024 N240742 E1101106 N225136 E1103300 N222806 E1104706 N223018 E1092812 N220304 E1091236 N230750 E1090430 N232550 E1080717 N250233 E1090328 12 500 m ———————— 9 800 m(exclusive)	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	128.375 MHz (133.4 MHz)	by ATC	
ZGNNAR05 N231145 E1053230	南宁区域管制室 Nanning ACC	南宁区域 Nanning	118.975 MHz (120.55 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N243900 E1054800 N254200 E1073900 N250233 E1090328 N232550 E1080717 N230410 E1075455 N225316 E1064201 National Boundaries N231145 E1053230 12 500 m ———————— 9 800 m(exclusive)		Control 中、英 Ch,En			
ZGNNAR06 N225316 E1064201 N230410 E1075455 N232550 E1080717 N230750 E1090430 N220304 E1091236 N213748 E1085812 N210000 E1084800 N203000 E1091500 N203000 E1080300 N211235 E1081231 National Boundaries N213302 E1080010 National Boundaries N225316 E1064201 12 500 m ———————— 9 800 m(exclusive)	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	134.025 MHz (133.4 MHz)	by ATC	
ZGNNAR07 N240742 E1101106 N240752 E1101852 N240900 E1111618 N232625 E1112950 N213420 E1114950 N215048 E1113030 N222806 E1104706 N225136 E1103300	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	119.325 MHz (132.65 MHz)		

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N240742 E1101106 In area: N240742 E1101106 N240752 E1101852 N240900 E1111618 N232842 E1111824 N225136 E1103300 N240742 E1101106 12 500m — — — — — — 6 000m(exclusive) Other area: 7 800m — — — — — — GND					
ZGNNAR08 N251645 E1112030 N240900 E1111618 N240752 E1101852 N245613 E1101408 an anticlockwised arc with radius of 30KM centered at N251217 E1101244 N252830 E1101113 N260120 E1100805 N251645 E1112030 7 800 m — — — — — — — — GND	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	133.6 MHz (132.975 MHz)	H24	
ZGNNAR09 N263500 E1091900 N261600 E1094350 N260120 E1100805 N252830 E1101113 a clockwised arc with radius of 30KM centered at N251217 E1101244 N245613 E1101408	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	134.375 MHz (132.975 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N240752 E1101852 N240742 E1101106 N244006 E1095024 N250233 E1090328 N254200 E1073900 N263500 E1091900 7 800 m ———————— GND					
ZGNNAR10 N213420 E1114950 N203000 E1113000 N203000 E1102929 N215048 E1113030 N213420 E1114950 7 800 m ———————— GND	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	133.95 MHz (132.35 MHz)	H24	
ZGNNAR11 N223018 E1092812 N213748 E1085812 N210000 E1084800 N203000 E1091500 N203000 E1100018 N222929 E1100018 N223018 E1092812 8 900 m ———————— GND	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	128.7 MHz (132.35 MHz)	H24	
ZGNNAR12 N203000 E1102929 N215048 E1113030 N222806 E1104706 N222929 E1100018 N203000 E1100018 N203000 E1102929 7 800 m ————————	南宁区域管制室 Nanning ACC	南宁区域 Nanning Control 中、英 Ch,En	124.575 MHz (132.35 MHz)	by ATC 该扇区不工作时由南宁区域10号扇区代替 Contact ZGNNAR10 when ZGNNAR12	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND				U/S.	
2.5 南宁中低空区域管制区 Nanning Lower Control Area					
ZGNNLTA N231145 E1053230 N243900 E1054800 N254200 E1073900 N263500 E1091900 N261600 E1094350 N251645 E1112030 N240900 E1111618 N232625 E1112950 N213420 E1114950 N203000 E1113000 N203000 E1102929 N203000 E1100018 N203000 E1091500 N203000 E1080300 N211235 E1081231 N213302 E1080010 National Boundaries N231145 E1053230 —————————		中、英 Ch,En	Nil (Nil)		
3.香港飞行情报区 Hong Kong FIR					
4.昆明飞行情报区 Kunming FIR					
4.1 成都区域管制区 Chengdu Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZUUUAR01 N321345 E1072350 N315901 E1090000 N304821 E1082544 N303011 E1080218 N310416 E1063719 N321345 E1072350 12 500 m —————————	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	120.9 MHz (120.525 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
7 800 m(exclusive)					
ZUUUAR02 N300421 E1032750 N300508 E1033814 N302311 E1042704 N300012 E1051007 N294206 E1054400 N292353 E1054319 N292034 E1045808 N292003 E1045127 N291835 E1043601 N291734 E1042637 N291619 E1041543 N291614 E1041238 N292323 E1040200 N292746 E1035821 N300421 E1032750 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	122.8 MHz (126.15 MHz)	H24	
ZUUUAR03 N325802 E0980555 N324710 E1014130 N300932 E1013144 N295508 E1012542 N275137 E1001201 N282942 E0985430 N280839 E0980807 N325802 E0980555 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	133.8 MHz (126.15 MHz)	H24	
ZUUUAR04 N324230 E1024834 N322700 E1054900 N320702 E1051006 N314803 E1051006 N312042 E1043930	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	128.35 MHz (133.3 MHz)	2300-1700(next day)	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N311456 E1042244 N310218 E1033800 N324230 E1024834 12 500 m ———————— GND					
ZUUUAR05 N294206 E1054400 N310416 E1063719 N311226 E1060542 N305612 E1052509 N305035 E1052511 N303851 E1052155 N302949 E1051847 N300012 E1051007 N294206 E1054400 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	123.7 MHz (133.3 MHz)	H24	
ZUUUAR06 N305411 E1063041 N304204 E1065803 N305205 E1072350 N304009 E1081316 N300413 E1071731 N294904 E1072751 N294257 E1070000 N294206 E1054400 N305411 E1063041 7 800 m ———————— GND	重庆区域管制室 Chongqing ACC	成都区域 Chengdu Control 中、英 Ch,En	132.6 MHz (133.075 MHz)	H24	
ZUUUAR07 N294206 E1054400 N294257 E1070000 N283149 E1080804 N282338 E1072908 N280450 E1060311	重庆区域管制室 Chongqing ACC	成都区域 Chengdu Control 中、英 Ch,En	134.3 MHz (133.075 MHz)	0030-1600	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N283506 E1054130 N284942 E1054203 N292353 E1054319 N294206 E1054400 7 800 m ———————— GND					
ZUUUAR08 N291734 E1042637 N291835 E1043601 N292003 E1045127 N292034 E1045808 N292353 E1054319 N284942 E1054203 N284027 E1044951 N291734 E1042637 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	118.95 MHz (126.15 MHz)	2300-1700(next day)	
ZUUUAR09 N311755 E1052002 N311400 E1052126 N310317 E1052507 N305612 E1052509 N305035 E1052511 N303851 E1052155 N302949 E1051847 N300012 E1051007 N302311 E1042704 N300508 E1033814 N310218 E1033800 N311456 E1042244 N312042 E1043930 N314803 E1051006 N314112 E1051218 N312518 E1051723 N311755 E1052002 8 900 m	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	132.3 MHz (133.3 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZUUUAR10 N294206 E1054400 N294324 E1063842 N294252 E1070223 N283149 E1080804 N282338 E1072908 N280450 E1060311 N283506 E1054130 N284942 E1054203 N292353 E1054319 N294206 E1054400 12 500 m ———————— 7 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	125.7 MHz (120.525 MHz)	0000-1600	
ZUUUAR11 N311755 E1052002 N311400 E1052126 N310317 E1052507 N305612 E1052509 N305035 E1052511 N303851 E1052155 N302949 E1051847 N300012 E1051007 N302311 E1042704 N300508 E1033814 N310218 E1033800 N311456 E1042244 N312042 E1043930 N314803 E1051006 N314112 E1051218 N312518 E1051723 N311755 E1052002 12 500 m ———————— 8 900 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	127.55 MHz (133.3 MHz)	by ATC	
ZUUUAR12	成都区域管制室	成都区域	132.675 MHz	0000-1400	

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N324710 E1014130 N324230 E1024834 N310218 E1033800 N300508 E1033814 N300421 E1032750 N300202 E1025712 N295508 E1012542 N300932 E1013144 N324710 E1014130 12 500 m ———————— GND	Chengdu ACC	Chengdu Control 中、英 Ch,En	(133.3 MHz)		
ZUUUAR13 N315901 E1090000 N315400 E1093100 N294035 E1090839 N284700 E1092300 N283149 E1080804 N294252 E1070223 N303011 E1080218 N304821 E1082544 N315901 E1090000 12 500 m ———————— 7 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	132.125 MHz (120.525 MHz)	0000-1600	
ZUUUAR15 N321735 E1065719 N321345 E1072350 N310416 E1063719 N311226 E1060542 N305612 E1052509 N310317 E1052507 N311400 E1052126 N311755 E1052002 N321735 E1065719 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	124.575 MHz (134.05 MHz)	by ATC	

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ZUUUAR16 N322700 E1054900 N321735 E1065719 N311755 E1052002 N312518 E1051723 N314112 E1051218 N314803 E1051006 N320702 E1051006 N322700 E1054900 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	119.325 MHz (134.05 MHz)	by ATC	
ZUUUAR17 N284027 E1044951 N284942 E1054203 N283506 E1054130 N280450 E1060311 N275100 E1050246 N274815 E1045359 N282010 E1050233 N284027 E1044951 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	132.475 MHz (134.45 MHz)	0100-1000	
ZUUUAR18 N292746 E1035821 N292323 E1040200 N291614 E1041238 N291619 E1041543 N291734 E1042637 N284027 E1044951 N282010 E1050233 N274815 E1045359 N274035 E1042945 N270441 E1024022 N282344 E1033755 N292746 E1035821 12 500 m	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	133.125 MHz (134.45 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZUUUAR19 N302428 E1091553 N294035 E1090839 N284700 E1092300 N283255 E1081320 N283149 E1080804 N294257 E1070000 N294904 E1072751 N300413 E1071731 N304009 E1081316 N302428 E1091553 7 200 m(exclusive) ———————— GND	重庆区域管制室 Chongqing ACC	成都区域 Chengdu Control 中、英 Ch,En	134.0 MHz (133.075 MHz)	by ATC	
ZUUUAR20 N294206 E1054400 N310416 E1063719 N303011 E1080218 N294252 E1070223 N294324 E1063842 N294206 E1054400 12 500 m ———————— 7 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	123.775 MHz (120.525 MHz)	by ATC	
ZUUUAR21 N281837 E1070544 N283149 E1080804 N284700 E1092300 N273100 E1092700 N263500 E1091900 N261805 E1084641 N264859 E1070628 N270035 E1071003 N273436 E1071244 N281837 E1070544 12 500 m	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	132.25 MHz (134.75/133.45 MHz)	0000-1600	

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———————— 7 800 m(exclusive)					
ZUUUAR22 N274035 E1042945 N274815 E1045359 N275100 E1050246 N280450 E1060311 N281837 E1070544 N273436 E1071244 N270035 E1071003 N264859 E1070628 N263357 E1045859 N274035 E1042945 9 800 m ———————— 7 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	133.65 MHz (134.75/133.45 MHz)	0000-1600	
ZUUUAR23 N263357 E1045859 N264859 E1070628 N261805 E1084641 N254200 E1073900 N243900 E1054800 N263357 E1045859 9 800 m ———————— 7 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	124.95 MHz (133.45/134.75 MHz)	H24	
ZUUUAR24 N274035 E1042945 N274815 E1045359 N275100 E1050246 N280450 E1060311 N281837 E1070544 N273436 E1071244 N270035 E1071003 N264859 E1070628 N263357 E1045859 N274035 E1042945 12 500 m	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	133.225 MHz (134.75/133.45 MHz)	by ATC	

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———————— 9 800 m(exclusive)					
ZUUUAR25 N295508 E1012542 N300202 E1025712 N300421 E1032750 N292746 E1035821 N282344 E1033755 N270441 E1024022 N265312 E1020630 N275137 E1001201 N295508 E1012542 12 500 m ———————— GND	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	133.0 MHz (126.15 MHz)	by ATC	
ZUUUAR26 N263357 E1045859 N264859 E1070628 N261805 E1084641 N254200 E1073900 N243900 E1054800 N263357 E1045859 12 500 m ———————— 9 800 m(exclusive)	成都区域管制室 Chengdu ACC	成都区域 Chengdu Control 中、英 Ch,En	134.225 MHz (134.75/133.45 MHz)	by ATC	
ZUUUAR27 N305411 E1063041 N304204 E1065803 N305205 E1072350 N304009 E1081316 N302428 E1091553 N315400 E1093100 N321345 E1072350 N305411 E1063041 7 800 m ———————— GND	重庆区域管制室 Chongqing ACC	成都区域 Chengdu Control 中、英 Ch,En	125.95 MHz (133.075 MHz)	by ATC	
ZUUUAR28	重庆区域管制室	成都区域	133.875 MHz	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N302428 E1091553 N294035 E1090839 N284700 E1092300 N283255 E1081320 N283149 E1080804 N294257 E1070000 N294904 E1072751 N300413 E1071731 N304009 E1081316 N302428 E1091553 7 800 m ———————— 7 200 m	Chongqing ACC	Chengdu Control 中、英 Ch,En	(133.075 MHz)		
4.2 贵阳区域管制区 Guiyang Control Area			10 066 kHz 3 491 kHz (6 556 kHz)	0001-1200 1201-2400 H24	6000 米(含)以下空域内航路（含航线及侧向偏置）实施目视间隔运行。 Visual separation is implemented for ATS routes (inclusive lateral offset) at 6 000m and below.
ZUGYAR01 N280450 E1060311 N282338 E1072908 N283149 E1080804 N283255 E1081320 N271953 E1080421 N264647 E1070137 N270220 E1063945 N280450 E1060311 7 800 m ———————— GND	贵阳区域管制室 Guiyang ACC	贵阳区域 Guiyang Control 中、英 Ch,En	120.7 MHz (133.925 MHz)	by ATC	
ZUGYAR02 N274035 E1042945 N274815 E1045359	贵阳区域管制室 Guiyang ACC	贵阳区域 Guiyang Control	128.15 MHz (122.2 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N275100 E1050246 N280450 E1060311 N270220 E1063945 N262922 E1064106 N250702 E1063651 N243900 E1054800 N262854 E1050110 N274035 E1042945 7 800 m ———————— GND		中、英 Ch,En			
ZUGYAR03 N270220 E1063945 N264647 E1070137 N261604 E1084251 N254200 E1073900 N250702 E1063651 N262922 E1064106 N270220 E1063945 7 800 m ———————— GND	贵阳区域管制室 Guiyang ACC	贵阳区域 Guiyang Control 中、英 Ch,En	132.85 MHz (122.2 MHz)	H24	
ZUGYAR04 N283255 E1081320 N284700 E1092300 N273100 E1092700 N263500 E1091900 N261604 E1084251 N264647 E1070137 N271953 E1080421 N283255 E1081320 7 800 m ———————— GND	贵阳区域管制室 Guiyang ACC	贵阳区域 Guiyang Control 中、英 Ch,En	132.375 MHz (133.925 MHz)	by ATC	
4.3 昆明区域管制区 Kunming Control Area			10 066 kHz	0001-1200	Visual separation is implemented for ATS routes (inclusive lateral
			3 491 kHz	1201-2400	
			(6 556 kHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
					offset) at 6 000m and below.
ZPPPAR01 N260602 E1024906 N252500 E1022500 N251404 E1022818 N260405 E1034626 N264500 E1042425 N265659 E1044857 N274035 E1042945 N270441 E1024022 N260602 E1024906 12 500 m ———————— GND	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	124.55 MHz (125.35 MHz)	2330-1730(next day)	
ZPPPAR02 N251404 E1022818 N250448 E1023106 N250314 E1035222 N255004 E1051754 N265659 E1044857 N264500 E1042425 N260405 E1034626 N251404 E1022818 12 500 m ———————— GND	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	134.35 MHz (125.35 MHz)	0100-1400	
ZPPPAR03 N224650 E1023056 N240630 E1024530 N250448 E1023106 N250314 E1035222 N255004 E1051754 N243900 E1054800 N231145 E1053230 National Boundaries N224650 E1023056 12 500 m	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	127.5 MHz (119.3 MHz)	by ATC	

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———————— GND					
ZPPPAR04 N224614 E0992308 N241801 E1014043 N250448 E1023106 N240630 E1024530 N224650 E1023056 National Boundaries N224614 E0992308 12 500 m ———————— GND	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	125.75 MHz (119.3 MHz)	H24	
ZPPPAR05 N240500 E0985234 N244613 E1010931 N250448 E1023106 N241801 E1014043 N224614 E0992308 National Boundaries N240500 E0985234 12 500 m ———————— GND	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	120.775 MHz (119.3 MHz)	by ATC	
ZPPPAR06 N240500 E0985234 N244613 E1010931 N250448 E1023106 N251404 E1022818 N252500 E1022500 N260602 E1024906 N270441 E1024022 N270201 E1023227 N265312 E1020630 N275137 E1001201 N282942 E0985430 N280839 E0980807 National Boundaries	昆明区域管制室 Kunming ACC	昆明区域 Kunming Control 中、英 Ch,En	132.175 MHz (Nil)	0000-1600	

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N240500 E0985234 12 500 m ———————— GND					
4.4 拉萨区域管制区 Lhasa Control Area			10 066 kHz 3 491 kHz (6 556 kHz)	0001-1200 1201-2400 H24	
ZULSAR01 N280213 E0864636 N313633 E0903119 N310553 E0951220 N281636 E0955332 National Boundaries N280213 E0864636 12 500 m ———————— GND	拉萨区域管制室 Lhasa ACC	拉萨区域 LHASA Control 中、英 Ch,En	132.35 MHz (120.7 MHz)	H24	
ZULSAR02 N281636 E0955332 N310553 E0951220 N313633 E0903119 N325212 E0915551 N325802 E0980555 N280839 E0980807 National Boundaries N281636 E0955332 12 500 m ———————— GND	拉萨区域管制室 Lhasa ACC	拉萨区域 LHASA Control 中、英 Ch,En	119.375 MHz (120.7 MHz)	by ATC	
ZULSAR03 N301332 E0820722 N361720 E0870710 N325212 E0915551 N313633 E0903119 N280213 E0864636 National Boundaries N301332 E0820722 12 500 m	拉萨区域管制室 Lhasa ACC	拉萨区域 LHASA Control 中、英 Ch,En	Nil (Nil)	by ATC 该扇区不工作时由拉萨区域01号扇区代替 Contact ZULSAR01 when ZULSAR03	

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———————— GND				U/S.	
5.兰州飞行情报区 Lanzhou FIR					
5.1 兰州区域管制区 Lanzhou Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZLLLAR01 N365320 E1045910 N363455 E1055211 N360823 E1071013 N345330 E1065100 N354224 E1042233 N365320 E1045910 8 400 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	123.75 MHz (126.175 MHz)	H24	
ZLLLAR02 N394124 E1072233 N390520 E1075816 N360823 E1071013 N363455 E1055211 N384406 E1050519 N394124 E1072233 12 500 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	118.9 MHz (132.35 MHz)	0000-1600 该扇区不工作时由兰州区域01号扇区代替 Contact ZLLLAR01 when ZLLLAR02 U/S.	
ZLLLAR03 N414451 E1051345 N380000 E1012156 N385435 E0991308 N423409 E1012323 National Boundaries N414451 E1051345 12 500 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	133.35 MHz (132.2 MHz)	0000-1600 该扇区不工作时由兰州区域04号扇区代替 Contact ZLLLAR04 when ZLLLAR03 U/S.	
ZLLLAR04	兰州区域管制室	兰州区域	132.8 MHz	H24	

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N384510 E0904548 N382010 E0901237 N361720 E0870710 N325212 E0915551 N325802 E0980555 N324842 E1011708 N343000 E1023700 N364730 E0990500 N381539 E0955309 N384510 E0904548 12 500 m ———————— GND	Lanzhou ACC	Lanzhou Control 中、英 Ch,En	(132.2 MHz)		
ZLLLAR05 N371140 E1000000 N363142 E1020154 N354656 E1031215 N354633 E1040907 N354224 E1042233 N345330 E1065100 N322700 E1054900 N324842 E1011708 N343000 E1023700 N364730 E0990500 N371140 E1000000 8 400 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	125.775 MHz (126.175 MHz)	by ATC 该扇区不工作时由兰州区域01号扇区代替 Contact ZLLLAR01 when ZLLLAR05 U/S.	
ZLLLAR06 N371140 E1000000 N363142 E1020154 N354656 E1031215 N354633 E1040907 N354224 E1042233 N345330 E1065100 N322700 E1054900 N324842 E1011708 N343000 E1023700	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	127.35 MHz (126.175 MHz)	by ATC 该扇区不工作时由兰州区域05号扇区代替 Contact ZLLLAR05 when ZLLLAR06 U/S.	

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N364730 E0990500 N371140 E1000000 12 500 m ———————— 8 400 m(exclusive)					
ZLLLAR07 N394310 E0971707 N381539 E0955309 N364730 E0990500 N371140 E1000000 N373713 E1010017 N380000 E1012156 N385435 E0991308 N394310 E0971707 12 500 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	119.35 MHz (132.2 MHz)	by ATC 该扇区不工作时由兰州区域04号扇区代替 Contact ZLLLAR04 when ZLLLAR07 U/S.	
ZLLLAR08 N365320 E1045910 N363455 E1055211 N360823 E1071013 N345330 E1065100 N354224 E1042233 N365320 E1045910 12 500 m ———————— 8 400 m(exclusive)	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	134.2 MHz (126.175 MHz)	by ATC 该扇区不工作时由兰州区域01号扇区代替 Contact ZLLLAR01 when ZLLLAR08 U/S.	
ZLLLAR09 N423409 E1012323 N385435 E0991308 N394310 E0971707 N401830 E0960518 N410141 E0950155 N412327 E0943107 N414729 E0950755 N425500 E0962014 National Boundaries N423409 E1012323	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	125.375 MHz (132.2 MHz)	by ATC	不包括兰州管制区10号扇区 Exclude sector ZLLLAR10

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12 500 m ———————— GND					
ZLLLAR10 N403457 E0971322 N402249 E0990749 N393312 E0985312 N394310 E0971707 N403457 E0971322 6 000 m ———————— GND	兰州进近管制室 Lanzhou APP	兰州区域 Lanzhou Control 中、英 Ch,En	125.9 MHz (132.2 MHz)	by ATC	
ZLLLAR11 N414451 E1051345 N394124 E1072233 N384406 E1050519 N363455 E1055211 N365320 E1045910 N371142 E1040442 N380000 E1012156 N414451 E1051345 12 500 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	128.725 MHz (132.35 MHz)	by ATC 该扇区不工作时由兰州区域02号扇区代替 Contact ZLLLAR02 when ZLLLAR11 U/S.	
ZLLLAR12 N412327 E0943107 N384510 E0904548 N381539 E0955309 N394310 E0971707 N401830 E0960518 N410141 E0950155 N412327 E0943107 12 500 m ———————— GND	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	120.525 MHz (132.2 MHz)	by ATC	
ZLLLAR14 N380000 E1012156 N371142 E1040442	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control	124.525 MHz (126.175 MHz)	by ATC 该扇区不工作时由兰州区域	

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N365320 E1045910 N354224 E1042233 N354633 E1040907 N354656 E1031215 N363142 E1020154 N371140 E1000000 N373713 E1010017 N380000 E1012156 8 400 m ———————— GND		中、英 Ch,En		15 号扇区代替 Contact ZLLLAR15 when ZLLLAR14 U/S.	
ZLLLAR15 N380000 E1012156 N371142 E1040442 N365320 E1045910 N354224 E1042233 N354633 E1040907 N354656 E1031215 N363142 E1020154 N371140 E1000000 N373713 E1010017 N380000 E1012156 12 500 m ———————— 8 400 m(exclusive)	兰州区域管制室 Lanzhou ACC	兰州区域 Lanzhou Control 中、英 Ch,En	134.7 MHz (126.175 MHz)	by ATC 该扇区不工作时由兰州区域 01 号扇区代替 Contact ZLLLAR01 when ZLLLAR15 U/S.	
5.2 西安区域管制区 Xi'an Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZLXYAR01 N374230 E1073517 N373449 E1093232 N374150 E1113546 N370701 E1114902 N350713 E1094101 N352517 E1083547 N374230 E1073517 8 900 m ————————	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	125.3 MHz (120.95 MHz)	H24	

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GND					
ZLXYAR02 N350713 E1094101 N342010 E1105039 N341459 E1112443 N333227 E1105056 N325940 E1102520 N320345 E1093845 N334327 E1090943 N350713 E1094101 7 800 m ———————— GND	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	120.05 MHz (134.85 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR02 U/S.	
ZLXYAR03 N334327 E1090943 N320345 E1093845 N315400 E1093100 N321028 E1074557 N322700 E1054900 N342853 E1064019 N341627 E1072240 N335113 E1084457 N334327 E1090943 7 800 m ———————— GND	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	133.05 MHz (133.425 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR03 U/S.	
ZLXYAR04 N374230 E1073517 N345330 E1065100 N342853 E1064019 N341627 E1072240 N352517 E1083547 N374230 E1073517 8 900 m ———————— GND	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	126.1 MHz (134.4 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR04 U/S.	
ZLXYAR05 N334327 E1090943	西安区域管制室 Xi'an ACC	西安区域 Xi'an	132.9 MHz (133.425 MHz)	by ATC 该扇区不工作	

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N320345 E1093845 N315400 E1093100 N321028 E1074557 N335113 E1084457 N334327 E1090943 12 500 m ———————— 7 800 m(exclusive)		Control 中、英 Ch,En		时由西安区域03号扇区代替 Contact ZLXYAR03 when ZLXYAR05 U/S.	
ZLXYAR06 N374230 E1073517 N373449 E1093232 N374150 E1113546 N370701 E1114902 N350713 E1094101 N352517 E1083547 N374230 E1073517 12 500 m ———————— 8 900 m(exclusive)	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	124.1 MHz (120.95 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR06 U/S.	
ZLXYAR07 N350713 E1094101 N342010 E1105039 N341459 E1112443 N333227 E1105056 N325940 E1102520 N320345 E1093845 N334327 E1090943 N350713 E1094101 12 500 m ———————— 7 800 m(exclusive)	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	127.575 MHz (134.85 MHz)	by ATC 该扇区不工作时由西安区域02号扇区代替 Contact ZLXYAR02 when ZLXYAR07 U/S.	
ZLXYAR08 N321028 E1074557 N322700 E1054900 N342853 E1064019 N341627 E1072240 N335113 E1084457 N321028 E1074557	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	118.975 MHz (133.425 MHz)	by ATC 该扇区不工作时由西安区域05号扇区代替 Contact ZLXYAR05	

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12 500 m ———————— 7 800 m(exclusive)				when ZLXYAR08 U/S.	
ZLXYAR09 N374230 E1073517 N373449 E1093232 N374150 E1113546 N390215 E1110415 N390520 E1075816 N374230 E1073517 8 900 m ———————— GND	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	125.975 MHz (120.95 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR09 U/S.	
ZLXYAR10 N374230 E1073517 N373449 E1093232 N374150 E1113546 N390215 E1110415 N390520 E1075816 N374230 E1073517 12 500 m ———————— 8 900 m(exclusive)	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	128.15 MHz (120.95 MHz)	by ATC 该扇区不工作时由西安区域01号扇区代替 Contact ZLXYAR01 when ZLXYAR10 U/S.	
ZLXYAR11 N350713 E1094101 N342010 E1105039 N341459 E1112443 N352902 E1122516 N370701 E1114902 N350713 E1094101 12 500 m ———————— GND	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	132.275 MHz (134.85 MHz)	by ATC 该扇区不工作时由西安区域02号扇区代替 Contact ZLXYAR02 when ZLXYAR11 U/S.	
ZLXYAR12 N352517 E1083547 N341627 E1072240 N335113 E1084457 N334327 E1090943	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	125.9 MHz (134.4 MHz)	by ATC 该扇区不工作时由西安区域04号扇区代替	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N350713 E1094101 N352517 E1083547 8 900 m ———————— GND				Contact ZLXYAR04 when ZLXYAR12 U/S.	
ZLXYAR13 N374230 E1073517 N345330 E1065100 N342853 E1064019 N341627 E1072240 N335113 E1084457 N334327 E1090943 N350713 E1094101 N352517 E1083547 N374230 E1073517 12 500 m ———————— 8 900 m(exclusive)	西安区域管制室 Xi'an ACC	西安区域 Xi'an Control 中、英 Ch,En	132.725 MHz (134.4 MHz)	by ATC 该扇区不工作时由西安区域04号扇区代替 Contact ZLXYAR04 when ZLXYAR13 U/S.	
6.三亚飞行情报区 Sanya FIR					
6.1 三亚区域管制区 Sanya Control Area					The relevant rules, see subsection ENR 2.1.4
ZJSYAR01 N203000 E1080300 N195733 E1075547 N191604 E1071123 N182028 E1074053 N174000 E1082736 N174000 E1094000 N193000 E1113000 N203000 E1113000 N203000 E1102929 N203000 E1100018 N203000 E1091500 N203000 E1080300 12 500 m ———————— GND	三亚区域管制室 Sanya ACC	三亚区域 Sanya Control 中、英 Ch,En	11 396 kHz 3 485 kHz (5 655 kHz) 120.5 MHz (122.9 MHz)	0001-1200 1201-2400 H24 H24	岛内管制空域，不包括三亚区域04号管制扇区 Island airspace Exclude ZJSYAR04

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZJSYAR02 N174000 E1082736 N174000 E1094000 N193000 E1113000 N182300 E1123000 N170000 E1113000 N160122 E1101911 N174000 E1082736 12 500 m ———————— 4 270 m	三亚区域管制室 Sanya ACC	三亚区域 Sanya Control 中、英 Ch,En	11 396 kHz 3 485 kHz (5 655 kHz) 122.6 MHz (123.65 MHz)	0001-1200 1201-2400 H24 H24	洋区空域 Oceanic airspace
ZJSYAR03 N160122 E1101911 N170000 E1113000 N182300 E1123000 N164000 E1140000 N143000 E1140000 N143000 E1120000 N160122 E1101911 12 500 m ———————— 4 270 m	三亚区域管制室 Sanya ACC	三亚区域 Sanya Control 中、英 Ch,En	8 942 kHz 5 649 kHz (13 309 kHz) 130.2 MHz (134.4 MHz)	0001-1200 1201-2400 H24 H24	洋区空域 Oceanic airspace
ZJSYAR04 N203000 E1091500 N194000 E1094400 N184100 E1091000 N183000 E1100000 N181519 E1101457 N193000 E1113000 N203000 E1113000 N203000 E1102929 N203000 E1100018 N203000 E1091500 9 800 m ———————— GND	三亚区域管制室 Sanya ACC	三亚区域 Sanya Control 中、英 Ch,En	11 396 kHz 3 485 kHz (5 655 kHz) 133.2 MHz (122.9 MHz)	0001-1200 1201-2400 H24 by ATC 该扇区不工作时由三亚区域01号扇区代替 Contact ZJSYAR01 when ZJSYAR04 U/S.	岛内管制空域 Island airspace
ZJSYAR11 N203000 E1100018	三亚区域管制室 Sanya ACC	三亚区域 Sanya	11 396 kHz 3 485 kHz	0001-1200 1201-2400	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N222929 E1100018 N222806 E1104706 N215048 E1113030 N213420 E1114950 N203000 E1113000 N203000 E1102929 N203000 E1100018 12 500 m ———————— 7 800 m(exclusive)		Control 中、英 Ch,En	(5 655 kHz) 133.35 MHz (126.95 MHz)	H24 H24	
ZJSYAR12 N223018 E1092812 N213748 E1085812 N210000 E1084800 N203000 E1091500 N203000 E1100018 N222929 E1100018 N223018 E1092812 12 500 m ———————— 8 900 m(exclusive)	三亚区域管制室 Sanya ACC	三亚区域 Sanya Control 中、英 Ch,En	11 396 kHz 3 485 kHz (5 655 kHz) 134.45 MHz (126.95 MHz)	0001-1200 1201-2400 H24 H24	
7.上海飞行情报区 Shanghai FIR					
7.1 合肥区域管制区 Hefei Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZSOFAR01 N313410 E1184200 N313910 E1180600 N314300 E1180618 N324000 E1175259 N320307 E1170943 N315717 E1170257 N314104 E1170030 N312035 E1165838 N312413 E1184203 N313410 E1184200 7 800 m ————————	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	125.775 MHz (133.55 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND					
ZSOFAR02 N312413 E1184203 N300840 E1184221 N302141 E1160939 N312035 E1165838 N312413 E1184203 7 800 m ———————— GND	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	134.7 MHz (133.55 MHz)	by ATC 该扇区不工作时由合肥区域01号扇区代替 Contact ZSOFAR01 when ZSOFAR02 U/S.	
ZSOFAR03 N315205 E1154252 N315717 E1170257 N314104 E1170030 N312035 E1165838 N302141 E1160939 N300500 E1155600 N315205 E1154252 7 800 m ———————— GND	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	135.65 MHz (128.175 MHz)	by ATC 该扇区不工作时由合肥区域04号扇区代替 Contact ZSOFAR04 when ZSOFAR03 U/S.	
ZSOFAR04 N341420 E1160733 N333155 E1163749 N320307 E1170943 N315717 E1170257 N315205 E1154252 N321100 E1154030 N341420 E1160733 7 800 m ———————— GND	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	126.125 MHz (128.175 MHz)	0030-1130 该扇区不工作时由合肥区域01号扇区代替 Contact ZSOFAR01 when ZSOFAR04 U/S.	
ZSOFAR05 N344623 E1171544 N344322 E1165556 N341420 E1160733 N333155 E1163749	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	134.425 MHz (128.175 MHz)	by ATC 该扇区不工作时由合肥区域04号扇区代替	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N320307 E1170943 N324000 E1175259 N340342 E1173254 N344623 E1171544 7 800 m ———————— GND				Contact ZSOFAR04 when ZSOFAR05 U/S.	
ZSOFAR06 N302141 E1160939 N300500 E1155600 N293200 E1170000 N293240 E1184230 N300840 E1184221 N302141 E1160939 7 800 m ———————— GND	合肥区域管制室 Hefei ACC	合肥区域 Hefei Control 中、英 Ch,En	135.4 MHz (133.55 MHz)	by ATC	
7.2 济南区域管制区 Jinan Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZSJNAR01 N363830 E1151950 N370818 E1164147 N360002 E1164917 N360002 E1151212 N363830 E1151950 7 800 m ———————— GND	济南区域管制室 Jinan ACC	济南区域 Jinan Control 中、英 Ch,En	128.35 MHz (133.85 MHz)	H24	
ZSJNAR02 N360002 E1151212 N360002 E1164917 N360002 E1175350 N345516 E1181600 N344322 E1165556 N341420 E1160733 N351800 E1150400 N360002 E1151212	济南区域管制室 Jinan ACC	济南区域 Jinan Control 中、英 Ch,En	122.9 MHz (133.45 MHz)	2300-1400(next day) 该扇区不工作时由济南区域01号扇区代替 Contact ZSJNAR01 when	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
7 800 m ———————— GND				ZSJNAR02 U/S.	
ZSJNAR03 N370900 E1193200 N364015 E1195240 N361930 E1195230 N360750 E1194310 N350330 E1191530 N345516 E1181600 N360002 E1175350 N370436 E1173059 N370900 E1193200 7 800 m ———————— GND	济南区域管制室 Jinan ACC	济南区域 Jinan Control 中、英 Ch,En	125.7 MHz (133.45 MHz)	2300-1400(next day) 该扇区不工作时由济南区域01号扇区代替 Contact ZSJNAR01 when ZSJNAR03 U/S.	
ZSJNAR04 N372312 E1172411 N370436 E1173059 N360002 E1175350 N360002 E1164917 N370818 E1164147 N372312 E1172411 7 800 m ———————— GND	济南区域管制室 Jinan ACC	济南区域 Jinan Control 中、英 Ch,En	134.375 MHz (133.85 MHz)	by ATC	
ZSJNAR05 N380600 E1193200 N370900 E1193200 N370436 E1173059 N372312 E1172411 N380600 E1193200 7 800 m ———————— GND	济南区域管制室 Jinan ACC	济南区域 Jinan Control 中、英 Ch,En	132.375 MHz (133.85 MHz)	by ATC	
7.3 南昌区域管制区 Nanchang Control Area			8 897 kHz	0001-1200	
			3 016 kHz	1201-2400	
			(6 571 kHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZSCNAR01 N293233 E1180141 N293200 E1170000 N285142 E1161319 N280808 E1163213 N285059 E1175412 N293233 E1180141 7 800 m ———————— GND	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	120.5 MHz (130.3 MHz)	by ATC	
ZSCNAR02 N293200 E1170000 N300500 E1155600 N290200 E1143400 N285142 E1161319 N293200 E1170000 7 800 m ———————— GND	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	125.9 MHz (130.3 MHz)	H24	
ZSCNAR03 N285142 E1161319 N290200 E1143400 N273019 E1140937 N270418 E1154133 N275640 E1161043 N280808 E1163213 N285142 E1161319 7 800 m ———————— GND	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	124.15 MHz (130.3 MHz)	by ATC	
ZSCNAR04 N285059 E1175412 N280808 E1163213 N275640 E1161043 N270418 E1154133 N265020 E1162910 N261858 E1172427 N265554 E1183707	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	125.375 MHz (135.725 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N280500 E1183000 N285059 E1175412 7 800 m ———————— GND					
ZSCNAR05 N293230 E1193230 N293235 E1191629 N285059 E1175412 N280500 E1183000 N265554 E1183707 N272040 E1192700 N272900 E1192700 N293230 E1193230 7 800 m ———————— GND	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	127.525 MHz (135.725 MHz)	by ATC	
ZSCNAR06 N293235 E1191629 N285059 E1175412 N293233 E1180141 N293235 E1191629 7 800 m ———————— GND	南昌区域管制室 Nanchang ACC	南昌区域 Nanchang Control 中、英 Ch,En	133.825 MHz (135.725 MHz)	by ATC	
7.4 青岛区域管制区 Qingdao Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZSQDAR01 N381500 E1221257 N380726 E1221704 N372831 E1230712 N370056 E1230759 N365100 E1232200 N363726 E1234005 N363732 E1240000 N360000 E1240000 N361546 E1221552	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	128.15 MHz (126.15 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N361618 E1214753 N371759 E1214753 N381500 E1221257 9 200 m ———————— 7 200 m(exclusive)					
ZSQDAR02 N380600 E1193200 N381500 E1200000 N381500 E1221257 N380726 E1221704 N372831 E1230712 N370056 E1230759 N365100 E1232200 N363726 E1234005 N363732 E1240000 N360000 E1240000 N361546 E1221552 N361618 E1214753 N361714 E1202206 N361900 E1200100 N361930 E1195230 N364015 E1195240 N370900 E1193200 N380600 E1193200 12 500 m ———————— 9 200 m(exclusive)	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	133.05 MHz (126.15 MHz)	by ATC	
ZSQDAR03 N380600 E1193200 N381500 E1200000 N381500 E1221257 N371759 E1214753 N361618 E1214753 N361714 E1202206 N361900 E1200100 N361930 E1195230 N364015 E1195240	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	128.55 MHz (133.95 MHz)	H24	

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N370900 E1193200 N380600 E1193200 7 200 m ———————— GND					
ZSQDAR04 N381500 E1221257 N380726 E1221704 N372831 E1230712 N370056 E1230759 N365100 E1232200 N363726 E1234005 N363732 E1240000 N380000 E1240000 N381500 E1240121 N381500 E1230000 N381500 E1221257 12 500 m ———————— 8 900 m	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	132.95 MHz (132.3 MHz)	H24	
ZSQDAR05 N381500 E1221257 N380726 E1221704 N372831 E1230712 N370056 E1230759 N365100 E1232200 N363726 E1234005 N363732 E1240000 N380000 E1240000 N381500 E1240121 N381500 E1230000 N381500 E1221257 8 900 m(exclusive) ———————— GND	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	133.15 MHz (132.3 MHz)	by ATC 该扇区不工作时由大连区域03号扇区代替 Contact ZYTLAR03 when ZSQDAR05 U/S.	
ZSQDAR06 N361930 E1195230 N360750 E1194310	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control	134.85 MHz (133.95 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N350330 E1191530 N350830 E1195440 N350830 E1240000 N360000 E1240000 N361546 E1221552 N361618 E1214753 N361714 E1202206 N361900 E1200100 N361930 E1195230 9 200 m ———————— GND		中、英 Ch,En			
ZSQDAR07 N361930 E1195230 N360750 E1194310 N350330 E1191530 N350830 E1195440 N350830 E1240000 N360000 E1240000 N361546 E1221552 N361618 E1214753 N361714 E1202206 N361900 E1200100 N361930 E1195230 12 500 m ———————— 9 200 m(exclusive)	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	133.725 MHz (132.825 MHz)	by ATC	
ZSQDAR08 N381500 E1221257 N380726 E1221704 N372831 E1230712 N370056 E1230759 N365100 E1232200 N363726 E1234005 N363732 E1240000 N360000 E1240000 N361546 E1221552 N361618 E1214753	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	134.125 MHz (132.825 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N371759 E1214753 N381500 E1221257 7 200 m ———————— GND					
ZSQDAR09 N380600 E1193200 N381500 E1200000 N381500 E1221257 N371759 E1214753 N361618 E1214753 N361714 E1202206 N361900 E1200100 N361930 E1195230 N364015 E1195240 N370900 E1193200 N380600 E1193200 9 200 m ———————— 7 200 m(exclusive)	青岛区域管制室 Qingdao ACC	青岛区域 Qingdao Control 中、英 Ch,En	132.125 MHz (132.825 MHz)	by ATC	
7.5 上海区域管制区 Shanghai Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	The relevant rules, see subsection ENR 2.2.2.
ZSSSAR01 N300840 E1184221 N300542 E1185920 N295307 E1201431 N293700 E1201400 N291534 E1200725 N292400 E1193810 N291645 E1193147 N293230 E1193230 N293235 E1191629 N293240 E1184230 N300840 E1184221 8 400 m ———————— 6 000 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.325 MHz (132.9 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZSSSAR02 N282654 E1200127 N291534 E1200725 N293700 E1201400 N295307 E1201431 N293554 E1204854 N290118 E1213602 N283730 E1212648 N282700 E1204300 N282654 E1200127 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.75 MHz (133.7 MHz)	H24	
ZSSSAR03 N320229 E1240000 N321540 E1250000 N312356 E1250000 N311043 E1240000 N320229 E1240000 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	120.95 MHz (134.0 MHz)	H24	
ZSSSAR04 N313850 E1204602 N314758 E1203811 N321017 E1192943 N324755 E1185316 N332700 E1203136 N314342 E1212401 N313850 E1204602 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	125.95 MHz (123.7 MHz)	H24	与上海区域 26 号扇区水平范围重合区域垂直范围为: 7 500m(不含)-12 500m Vertical limits of the intersection lateral limits between ZSSSAR04 and ZSSSAR26: 7 500m(exclusive)-12 500m
ZSSSAR05 N315236 E1214712 N314611 E1224630	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control	120.55 MHz (134.2 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N311241 E1224630 N301500 E1221200 N301516 E1212845 N311014 E1214657 N314342 E1212401 N315236 E1214712 12 500 m ———————— GND		中、英 Ch,En			
ZSSSAR06 N324000 E1175259 N324021 E1183441 N324755 E1185316 N330401 E1193315 N332700 E1203136 N341857 E1201406 N334630 E1190642 N334800 E1183506 N334906 E1180936 N334902 E1173628 N324000 E1175259 7 800 m ———————— 6 000 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	134.9 MHz (135.7 MHz)	by ATC	
ZSSSAR07 N322636 E1225724 N331100 E1223849 N331100 E1203952 N332700 E1203136 N341857 E1201406 N350000 E1200000 N350830 E1195440 N350830 E1240000 N323902 E1240000 N322636 E1225724 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	135.0 MHz (127.55 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZSSSAR08 N283730 E1212648 N300211 E1220000 N301500 E1221200 N303512 E1222400 N293508 E1234654 N290000 E1240000 N275403 E1225151 N283730 E1212648 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	134.3 MHz (133.7 MHz)	by ATC	
ZSSSAR09 N273906 E1190615 N264500 E1182500 N262500 E1183300 N261500 E1183000 N253931 E1180002 N255828 E1171316 N265020 E1162910 N271200 E1165800 N274042 E1175918 N275512 E1183154 N273906 E1190615 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.15 MHz (134.4 MHz)	H24	
ZSSSAR10 N253931 E1180002 N255828 E1171316 N265020 E1162910 N252140 E1153450 N243707 E1153839 N242200 E1164200 N253931 E1180002 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	120.9 MHz (132.1 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZSSSAR11 N290200 E1143400 N283222 E1152855 N280528 E1153500 N275640 E1161043 N270418 E1154133 N273019 E1140937 N290200 E1143400 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.45 MHz (134.05 MHz)	by ATC 该扇区不工作时由上海区域12号扇区代替 Contact ZSSSAR12 when ZSSSAR11 U/S.	
ZSSSAR12 N290200 E1143400 N283222 E1152855 N280528 E1153500 N275640 E1161043 N280808 E1163213 N284732 E1174729 N292840 E1172700 N295118 E1173023 N300500 E1155600 N290200 E1143400 12 500 m ———————— 9 200 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.7 MHz (134.05 MHz)	H24	
ZSSSAR13 N344322 E1165556 N341420 E1160733 N321100 E1154030 N315205 E1154252 N315717 E1170257 N324000 E1175259 N334902 E1173628 N340342 E1173254 N344623 E1171544 N344322 E1165556 12 500 m ————————	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.5 MHz (135.5 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
7 800 m(exclusive)					
ZSSSAR14 N312126 E1193835 N312413 E1184203 N313410 E1184200 N313910 E1180600 N314300 E1180618 N324000 E1175259 N324021 E1183441 N324755 E1185316 N321017 E1192943 N314738 E1192200 N313800 E1192200 N312126 E1193835 7 800 m ———————— 6 900 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.4 MHz (123.275 MHz)	H24	
ZSSSAR15 N311015 E1202449 N302247 E1205633 N295307 E1201431 N300542 E1185920 N303742 E1195255 N310743 E1201315 N311015 E1202449 9 800 m ———————— 6 000 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	135.75 MHz (132.75 MHz)	H24	
ZSSSAR16 N334800 E1183506 N334906 E1180936 N334902 E1173628 N340342 E1173254 N344623 E1171544 N345302 E1180033 N342106 E1182307 N334800 E1183506 12 500 m	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	134.25 MHz (124.575 MHz)	H24	

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———————— 6 000 m(exclusive)					
ZSSSAR17 N312035 E1165838 N312413 E1184203 N300840 E1184221 N301013 E1182548 N294412 E1181512 N295118 E1173023 N300500 E1155600 N312035 E1165838 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	123.95 MHz (133.4 MHz)	by ATC	
ZSSSAR18 N282654 E1200127 N281349 E1195926 N272740 E1193744 N271852 E1204617 N274119 E1205855 N274926 E1205857 N283730 E1212648 N282700 E1204300 N282654 E1200127 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.625 MHz (132.275 MHz)	H24	
ZSSSAR19 N272740 E1193744 N272900 E1192700 N273906 E1190615 N275512 E1183154 N282233 E1180210 N281700 E1184000 N291645 E1193147 N292400 E1193810 N291534 E1200725 N282654 E1200127	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	124.95 MHz (119.3 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N281349 E1195926 N272740 E1193744 In area: N272900 E1192700 N273906 E1190615 N275512 E1183154 N282233 E1180210 N281700 E1184000 N291645 E1193147 12 500m — — — — — — 7 800m(exclusive) Other area: 12 500m — — — — — — 6 000m(exclusive)					
ZSSSAR20 N270418 E1154133 N274554 E1160441 N275640 E1161043 N280808 E1163213 N272306 E1172132 N271200 E1165800 N265020 E1162910 N270418 E1154133 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.0 MHz (133.325 MHz)	by ATC	
ZSSSAR21 N284732 E1174729 N291558 E1173318 N292840 E1172700 N295118 E1173023 N294412 E1181512 N301013 E1182548 N300840 E1184221 N293240 E1184230 N293235 E1191629	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	120.7 MHz (119.3 MHz)	H24	

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N284732 E1174729 12 500 m ———————— 7 800 m(exclusive)					
ZSSSAR22 N273019 E1140937 N265020 E1162910 N252140 E1153450 N243707 E1153839 N231904 E1154515 N231535 E1154532 N250710 E1141830 N264200 E1135700 N273019 E1140937 ————————	上海区域管制室 Shanghai ACC	中、英 Ch,En	Nil (Nil)		
ZSSSAR23 N312035 E1165838 N314104 E1170030 N315717 E1170257 N324000 E1175259 N314300 E1180618 N313910 E1180600 N313410 E1184200 N312413 E1184203 N312035 E1165838 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.325 MHz (135.5 MHz)	by ATC	
ZSSSAR24 N315236 E1214712 N314342 E1212401 N331100 E1203952 N331100 E1223849 N322636 E1225724 N314611 E1224630 N315236 E1214712 12 500 m ————————	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.275 MHz (127.55 MHz)	by ATC	

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GND					
ZSSSAR25 N300500 E1155600 N315205 E1154252 N315717 E1170257 N314104 E1170030 N312035 E1165838 N300500 E1155600 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	120.1 MHz (133.4 MHz)	by ATC	
ZSSSAR26 N313521 E1201944 N311911 E1201848 N312126 E1193835 N313800 E1192200 N314738 E1192200 N321017 E1192943 N324755 E1185316 N330401 E1193315 N314758 E1203811 N313850 E1204602 N313521 E1201944 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	125.325 MHz (123.7 MHz)	by ATC	与上海区域 04 号扇区水平范围重合区域垂直范围为: GND-7 500m Vertical limits of the intersection lateral limits between ZSSSAR04 and ZSSSAR26: GND-7 500m
ZSSSAR27 N300542 E1185920 N300840 E1184221 N312413 E1184203 N312126 E1193835 N311911 E1201848 N311015 E1202449 N310743 E1201315 N303742 E1195255 N300542 E1185920 12 500 m ————————	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.075 MHz (132.75 MHz)	0030-1500	

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6 000 m(exclusive)					
ZSSSAR28 N283730 E1212648 N275403 E1225151 N270758 E1220524 N271852 E1204617 N274119 E1205855 N274926 E1205857 N283730 E1212648 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	123.775 MHz (132.275 MHz)	by ATC	
ZSSSAR29 N244127 E1193618 N252005 E1185501 N253931 E1180002 N261500 E1183000 N262500 E1183300 N264500 E1182500 N273906 E1190615 N272900 E1192700 N272740 E1193744 N271852 E1204617 N270758 E1220524 N262908 E1212656 N250000 E1200000 N244127 E1193618 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.225 MHz (134.4 MHz)	by ATC	
ZSSSAR30 N252005 E1185501 N244127 E1193618 N230000 E1173000 N233000 E1173000 N234200 E1171100 N242200 E1164200 N253931 E1180002	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	125.975 MHz (132.1 MHz)	by ATC	

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N252005 E1185501 12 500 m ———————— 7 800 m(exclusive)					
ZSSSAR31 N281700 E1184000 N282233 E1180210 N282642 E1175748 N284732 E1174729 N293235 E1191629 N293230 E1193230 N291645 E1193147 N281700 E1184000 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	118.975 MHz (119.3 MHz)	H24	
ZSSSAR32 N295307 E1201431 N302247 E1205633 N301518 E1211311 N301500 E1221200 N300211 E1220000 N290118 E1213602 N293554 E1204854 N295307 E1201431 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.875 MHz (133.7 MHz)	by ATC	
ZSSSAR33 N323902 E1240000 N290000 E1240000 N293508 E1234654 N303512 E1222400 N311241 E1224630 N314611 E1224630 N322636 E1225724 N323902 E1240000 12 500 m	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	120.75 MHz (134.0 MHz)	by ATC	

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———————— GND					
ZSSSAR34 N312126 E1193835 N312413 E1184203 N313410 E1184200 N313910 E1180600 N314300 E1180618 N324000 E1175259 N324021 E1183441 N324755 E1185316 N321017 E1192943 N314738 E1192200 N313800 E1192200 N312126 E1193835 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.125 MHz (123.275 MHz)	H24	
ZSSSAR35 N280808 E1163213 N284732 E1174729 N282642 E1175748 N282233 E1180210 N275512 E1183154 N274042 E1175918 N272306 E1172132 N280808 E1163213 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	135.05 MHz (133.325 MHz)	by ATC	
ZSSSAR36 N334630 E1190642 N334800 E1183506 N342106 E1182307 N345302 E1180033 N350330 E1191530 N350830 E1195440 N350000 E1200000	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	134.475 MHz (124.575 MHz)	by ATC	

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N341857 E1201406 N334630 E1190642 12 500 m ———————— 6 000 m(exclusive)					
ZSSSAR37 N314342 E1212401 N311014 E1214657 N301516 E1212845 N301518 E1211311 N302247 E1205633 N311911 E1201848 N313521 E1201944 N314342 E1212401 12 500 m ———————— GND	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	126.175 MHz (134.2 MHz)	by ATC	
ZSSSAR38 N324000 E1175259 N324021 E1183441 N324755 E1185316 N330401 E1193315 N332700 E1203136 N341857 E1201406 N334630 E1190642 N334800 E1183506 N334906 E1180936 N334902 E1173628 N324000 E1175259 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	133.8 MHz (135.7 MHz)	by ATC	
ZSSSAR39 N290200 E1143400 N283222 E1152855 N280528 E1153500 N275640 E1161043 N280808 E1163213	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	126.9 MHz (134.05 MHz)	by ATC 该扇区不工作时由上海区域12号扇区代替 Contact	

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N284732 E1174729 N292840 E1172700 N295118 E1173023 N300500 E1155600 N290200 E1143400 9 200 m ———————— 7 800 m(exclusive)				ZSSSAR12 when ZSSSAR39 U/S.	
ZSSSAR40 N242200 E1164200 N243707 E1153839 N231904 E1154515 N231535 E1154532 N224911 E1160541 N224057 E1163005 N230000 E1173000 N233000 E1173000 N234200 E1171100 N242200 E1164200 12 500 m ———————— 7 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	128.35 MHz (132.1 MHz)	H24	
ZSSSAR41 N312126 E1193835 N312413 E1184203 N313410 E1184200 N313910 E1180600 N314300 E1180618 N324000 E1175259 N324021 E1183441 N324755 E1185316 N321017 E1192943 N314738 E1192200 N313800 E1192200 N312126 E1193835 6 900 m ———————— 6 000 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	132.05 MHz (123.275 MHz)	by ATC 该扇区不工作时由上海区域14号扇区代替 Contact ZSSSAR14 when ZSSSAR41 U/S.	

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ZSSSAR42 N300840 E1184221 N300542 E1185920 N295307 E1201431 N293700 E1201400 N291534 E1200725 N292400 E1193810 N291645 E1193147 N293230 E1193230 N293235 E1191629 N293240 E1184230 N300840 E1184221 9 800 m ———————— 8 400 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	124.1 MHz (132.9 MHz)	by ATC 该扇区不工作时由上海区域01号扇区或上海区域44号扇区代替 Contact ZSSSAR01 or ZSSSAR44 when ZSSSAR42 U/S.	
ZSSSAR43 N311015 E1202449 N302247 E1205633 N295307 E1201431 N300542 E1185920 N303742 E1195255 N310743 E1201315 N311015 E1202449 12 500 m ———————— 9 800 m(exclusive)	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	123.375 MHz (132.75 MHz)	by ATC 该扇区不工作时由上海区域15号扇区代替 Contact ZSSSAR15 when ZSSSAR43 U/S.	
ZSSSAR44 N300840 E1184221 N300542 E1185920 N295307 E1201431 N293700 E1201400 N291534 E1200725 N292400 E1193810 N291645 E1193147 N293230 E1193230 N293235 E1191629 N293240 E1184230 N300840 E1184221	上海区域管制室 Shanghai ACC	上海区域 Shanghai Control 中、英 Ch,En	134.55 MHz (132.9 MHz)	by ATC 该扇区不工作时由上海区域01号扇区代替 Contact ZSSSAR01 when ZSSSAR44 U/S.	

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12 500 m ———————— 9 800 m(exclusive)					
7.6 上海中低空区域管制区 Shanghai Lower Control Area					
ZSSSLTA N344623 E1171544 N350830 E1195440 N350830 E1240000 N320229 E1240000 N321540 E1250000 N312356 E1250000 N311043 E1240000 N290000 E1240000 N270758 E1220524 N272900 E1192700 N293230 E1193230 N293240 E1184230 N313410 E1184200 N313910 E1180600 N314300 E1180618 N340342 E1173254 N344623 E1171544 ————————		中、英 Ch,En	Nil (Nil)		
7.7 厦门区域管制区 Xiamen Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZSAMAR01 N251931 E1170127 N243454 E1164842 N242200 E1164200 N234200 E1171100 N233000 E1173000 N230000 E1173000 N240005 E1184408 N243359 E1180057 N251931 E1170127 7 800 m	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	133.175 MHz (132.725 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZSAMAR02 N255540 E1185217 N260000 E1175936 N251931 E1170127 N243359 E1180057 N240005 E1184408 N250000 E1200000 N251428 E1201354 N254429 E1192310 N255540 E1185217 7 800 m ———————— GND	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	120.525 MHz (125.3 MHz)	by ATC 该扇区不工作时由厦门区域04号扇区代替 Contact ZSAMAR04 when ZSAMAR02 U/S.	
ZSAMAR03 N272900 E1192700 N272040 E1192700 N271132 E1190830 N261826 E1190803 N255540 E1185217 N254429 E1192310 N251428 E1201354 N262908 E1212656 N270758 E1220524 N272900 E1192700 7 800 m ———————— GND	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	133.65 MHz (125.3 MHz)	by ATC 该扇区不工作时由厦门区域04号扇区代替 Contact ZSAMAR04 when ZSAMAR03 U/S.	
ZSAMAR04 N271132 E1190830 N261858 E1172427 N265020 E1162910 N255543 E1155531 N253418 E1164154 N251931 E1170127 N260000 E1175936 N255540 E1185217	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	125.7 MHz (125.3 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N261826 E1190803 N271132 E1190830 7 800 m ———————— GND					
ZSAMAR05 N255543 E1155531 N252140 E1153450 N243707 E1153839 N242200 E1164200 N243454 E1164842 N251931 E1170127 N253418 E1164154 N255543 E1155531 7 800 m ———————— GND	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	124.55 MHz (132.725 MHz)	by ATC 该扇区不工作时由厦门区域01号扇区代替 Contact ZSAMAR01 when ZSAMAR05 U/S.	
ZSAMAR06 N243707 E1153839 N231904 E1154515 N231535 E1154532 N224911 E1160541 N224057 E1163005 N230000 E1173000 N233000 E1173000 N234200 E1171100 N242200 E1164200 N243707 E1153839 7 800 m ———————— GND	厦门区域管制室 Xiamen ACC	厦门区域 Xiamen Control 中、英 Ch,En	123.225 MHz (132.725 MHz)	by ATC 该扇区不工作时由厦门区域01号扇区代替 Contact ZSAMAR01 when ZSAMAR06 U/S.	
ZSAMAR07 N273019 E1140937 N265020 E1162910 N252140 E1153450 N231904 E1154515 N231535 E1154532 N250710 E1141830	厦门区域管制室 Xiamen ACC	中、英 Ch,En	Nil (Nil)		

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N264200 E1135700 N273019 E1140937 —————————					
8.沈阳飞行情报区 Shenyang FIR					
8.1 大连区域管制区 Dalian Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	Visual separation is implemented for ATS routes at 6 000m and below.(including ZYTLAR06)
ZYTLAR01 N391500 E1195400 N381500 E1200000 N381500 E1221257 N382522 E1220238 N383454 E1215306 N384233 E1210404 N394234 E1202910 N391500 E1195400 12 500 m ———————— 8 900 m	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	123.2 MHz (132.55 MHz)	by ATC 该扇区不工作时由大连区域03号扇区代替 Contact ZYTLAR03 when ZYTLAR01 U/S.	
ZYTLAR02 N394234 E1202910 N384233 E1210404 N383454 E1215306 N382522 E1220238 N384936 E1233321 N392800 E1224500 N403200 E1213400 N400722 E1210124 N394234 E1202910 12 500 m ———————— 8 900 m	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	135.65 MHz (128.775 MHz)	by ATC 该扇区不工作时由大连区域03号扇区代替 Contact ZYTLAR03 when ZYTLAR02 U/S.	
ZYTLAR03 N381500 E1221257 N381500 E1230000	大连区域管制室 Dalian ACC	大连区域 Dalian Control	132.95 MHz (132.3 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N381500 E1240121 N385747 E1240515 N384936 E1233321 N382522 E1220238 N381500 E1221257 12 500 m ———————— 8 900 m		中、英 Ch,En			
ZYTLAR04 N391500 E1195400 N381500 E1200000 N381500 E1221257 N382522 E1220238 N383454 E1215306 N384233 E1210404 N394234 E1202910 N391500 E1195400 8 900 m(exclusive) ———————— GND	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	122.15 MHz (132.55 MHz)	by ATC 该扇区不工作时由大连区域01号扇区代替 Contact ZYTLAR01 when ZYTLAR04 U/S.	
ZYTLAR05 N394234 E1202910 N384233 E1210404 N383454 E1215306 N382522 E1220238 N384936 E1233321 N392800 E1224500 N403200 E1213400 N400722 E1210124 N394234 E1202910 8 900 m(exclusive) ———————— GND	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	133.3 MHz (128.775 MHz)	by ATC 该扇区不工作时由大连区域02号扇区代替 Contact ZYTLAR02 when ZYTLAR05 U/S.	
ZYTLAR06 N381500 E1221257 N381500 E1230000 N381500 E1240121 N385747 E1240515	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	133.15 MHz (132.3 MHz)	by ATC 该扇区不工作时由大连区域03号扇区代替	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N384936 E1233321 N382522 E1220238 N381500 E1221257 8 900 m(exclusive) ———————— GND				Contact ZYTLAR03 when ZYTLAR06 U/S.	
ZYTLAR07 N403903 E1251627 N411730 E1242000 N404400 E1234900 N403300 E1233630 N405900 E1230100 N411000 E1230200 N411300 E1225430 N411130 E1215910 N404830 E1215730 N403200 E1213400 N392800 E1224500 N384936 E1233321 N385747 E1240515 N394941 E1241006 National Boundaries N403903 E1251627 12 500 m ———————— 8 900 m	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	120.7 MHz (128.775 MHz)	by ATC 该扇区不工作时由大连区域02号扇区代替 Contact ZYTLAR02 when ZYTLAR07 U/S.	
ZYTLAR08 N403903 E1251627 N411730 E1242000 N404400 E1234900 N403300 E1233630 N405900 E1230100 N411000 E1230200 N411300 E1225430 N411130 E1215910 N404830 E1215730 N403200 E1213400 N392800 E1224500	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	134.325 MHz (128.775 MHz)	by ATC 该扇区不工作时由大连区域02号扇区或大连区域05号扇区或大连区域07号扇区代替 Contact ZYTLAR02 or ZYTLAR05	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N384936 E1233321 N385747 E1240515 N394941 E1241006 National Boundaries N403903 E1251627 8 900 m(exclusive) ———————— GND				or ZYTLAR07 when ZYTLAR08 U/S.	
ZYTLAR09 N403903 E1251627 N411730 E1242000 N414400 E1244500 N424600 E1245400 N434440 E1283135 N434259 E1311314 National Boundaries N403903 E1251627 12 500 m ———————— GND	大连区域管制室 Dalian ACC	大连区域 Dalian Control 中、英 Ch,En	128.125 MHz (128.775 MHz)	by ATC 该扇区不工作时由大连区域02号扇区或大连区域07号扇区代替 Contact ZYTLAR02 or ZYTLAR07 when ZYTLAR09 U/S.	
8.2 哈尔滨区域管制区 Harbin Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	Visual separation is implemented for ATS routes at 6 000m and below.
ZYHBAR01 N533000 E1222035 N503748 E1230212 N501636 E1224618 N483112 E1230354 N472729 E1223724 N455608 E1250335 N450554 E1253833 N445501 E1260601 N451726 E1311130 N451323 E1314128 National Boundaries	哈尔滨区域管制室 Harbin ACC	哈尔滨区域 Harbin Control 中、英 Ch,En	133.2 MHz (120.75 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N533000 E1222035 9 800 m(exclusive) ———————— GND					
ZYHBAR02 N434259 E1311314 N434440 E1283135 N433724 E1271700 N435240 E1261656 N434618 E1255057 N440517 E1245350 N450554 E1253833 N445501 E1260601 N451726 E1311130 N451323 E1314128 National Boundaries N434259 E1311314 9 800 m(exclusive) ———————— GND	哈尔滨区域管制室 Harbin ACC	哈尔滨区域 Harbin Control 中、英 Ch,En	118.95 MHz (124.55 MHz)	by ATC	
ZYHBAR03 N444836 E1230430 N441506 E1242330 N440517 E1245350 N450554 E1253833 N455608 E1250335 N472729 E1223724 N460412 E1220424 N444836 E1230430 9 800 m(exclusive) ———————— GND	哈尔滨区域管制室 Harbin ACC	哈尔滨区域 Harbin Control 中、英 Ch,En	128.75 MHz (124.55 MHz)	by ATC	
ZYHBAR04 N463655 E1194603 N460412 E1220424 N472729 E1223724 N483112 E1230354 N501636 E1224618	哈尔滨区域管制室 Harbin ACC	哈尔滨区域 Harbin Control 中、英 Ch,En	123.90 MHz (134.45 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N503748 E1230212 N533000 E1222035 National Boundaries N463655 E1194603 12 500 m ———————— GND					
ZYHBAR05 N460412 E1220424 N472729 E1223724 N483112 E1230354 N501636 E1224618 N503748 E1230212 N533000 E1222035 National Boundaries N434259 E1311314 N434440 E1283135 N433724 E1271700 N435240 E1261656 N434618 E1255057 N440517 E1245350 N441506 E1242330 N444836 E1230430 N460412 E1220424 12 500 m ———————— 9 800 m	哈尔滨区域管制室 Harbin ACC	哈尔滨区域 Harbin Control 中、英 Ch,En	120.55 MHz (133.975 MHz)	by ATC	
8.3 沈阳区域管制区 Shenyang Control Area			8 897 kHz	0001-1200	Visual separation is implemented for ATS routes at 6 000m and below.
			3 016 kHz	1201-2400	
			(6 571 kHz)	H24	
ZYTXAR01 N412526 E1183729 N395400 E1192100 N393000 E1195200 N391500 E1195400 N400722 E1210124	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	125.95 MHz (124.85 MHz)	by ATC 该扇区不工作时由沈阳区域04号扇区代替 Contact	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N403200 E1213400 N405941 E1211921 N411054 E1210437 N413416 E1211039 N421935 E1213757 N415802 E1201921 N412526 E1183729 8 900 m(exclusive) ———————— GND				ZYTXAR04 when ZYTXAR01 U/S.	
ZYTXAR02 N440517 E1245350 N434618 E1255057 N435240 E1261656 N433724 E1271700 N434440 E1283135 N424600 E1245400 N420802 E1244827 N421734 E1230855 N431021 E1233345 N440517 E1245350 8 900 m(exclusive) ———————— GND	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	118.9 MHz (132.45 MHz)	H24	
ZYTXAR03 N414400 E1244500 N404400 E1234900 N403300 E1233630 N405900 E1230100 N411000 E1230200 N411300 E1225430 N411130 E1215910 N404830 E1215730 N403200 E1213400 N405941 E1211921 N411054 E1210437 N413416 E1211039 N421935 E1213757	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	119.3 MHz (132.45 MHz)	by ATC 该扇区不工作时由沈阳区域02号扇区代替 Contact ZYTXAR02 when ZYTXAR03 U/S.	

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N421734 E1230855 N420802 E1244827 N414400 E1244500 8 900 m(exclusive) ———————— GND					
ZYTXAR04 N435955 E1200404 N445939 E1225555 N435031 E1221528 N432626 E1222809 N425303 E1220553 N421935 E1213757 N415802 E1201921 N435955 E1200404 8 900 m(exclusive) ———————— GND	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	133.25 MHz (124.85 MHz)	by ATC 该扇区不工作时由沈阳区域02号扇区代替 Contact ZYTXAR02 when ZYTXAR04 U/S.	
ZYTXAR05 N452317 E1152115 N431442 E1173100 N435955 E1200404 N445939 E1225555 N460412 E1220424 N463655 E1194603 National Boundaries N452317 E1152115 12 500 m ———————— GND	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	119.375 MHz (124.85 MHz)	by ATC 该扇区不工作时由沈阳区域04号扇区代替 Contact ZYTXAR04 when ZYTXAR05 U/S.	
ZYTXAR06 N445939 E1225555 N444836 E1230430 N441506 E1242330 N440517 E1245350 N431021 E1233345 N421734 E1230855 N421935 E1213757	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	128.375 MHz (132.45 MHz)	by ATC 该扇区不工作时由沈阳区域04号扇区代替 Contact ZYTXAR04 when	

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N425303 E1220553 N432626 E1222809 N435031 E1221528 N445939 E1225555 8 900 m(exclusive) ———————— GND				ZYTXAR06 U/S.	
ZYTXAR07 N431442 E1173100 N435955 E1200404 N415802 E1201921 N412526 E1183729 N420438 E1181810 N421500 E1180500 N431442 E1173100 8 900 m(exclusive) ———————— GND	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	120.975 MHz (124.85 MHz)	by ATC 该扇区不工作时由沈阳区域01号扇区代替 Contact ZYTXAR01 when ZYTXAR07 U/S.	
ZYTXAR08 N440517 E1245350 N434618 E1255057 N435240 E1261656 N433724 E1271700 N434440 E1283135 N424600 E1245400 N420802 E1244827 N421734 E1230855 N431021 E1233345 N440517 E1245350 12 500 m ———————— 8 900 m	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	125.325 MHz (132.45 MHz)	by ATC 该扇区不工作时由沈阳区域02号扇区代替 Contact ZYTXAR02 when ZYTXAR08 U/S.	
ZYTXAR09 N412526 E1183729 N395400 E1192100 N393000 E1195200 N391500 E1195400 N400722 E1210124	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	132.75 MHz (132.875 MHz)	by ATC 该扇区不工作时由沈阳区域01号扇区代替 Contact	

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N403200 E1213400 N405941 E1211921 N411054 E1210437 N413416 E1211039 N421935 E1213757 N415802 E1201921 N412526 E1183729 12 500 m ———————— 8 900 m				ZYTXAR01 when ZYTXAR09 U/S.	
ZYTXAR10 N445939 E1225555 N444836 E1230430 N441506 E1242330 N440517 E1245350 N431021 E1233345 N421734 E1230855 N421935 E1213757 N425303 E1220553 N432626 E1222809 N435031 E1221528 N445939 E1225555 12 500 m ———————— 8 900 m	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	120.575 MHz (125.725 MHz)	by ATC 该扇区不工作时由沈阳区域06号扇区代替 Contact ZYTXAR06 when ZYTXAR10 U/S.	
ZYTXAR11 N435955 E1200404 N445939 E1225555 N435031 E1221528 N432626 E1222809 N425303 E1220553 N421935 E1213757 N415802 E1201921 N435955 E1200404 12 500 m ———————— 8 900 m	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	123.775 MHz (132.875 MHz)	by ATC 该扇区不工作时由沈阳区域04号扇区代替 Contact ZYTXAR04 when ZYTXAR11 U/S.	
ZYTXAR12	沈阳区域管制室	沈阳区域	132.35 MHz	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N414400 E1244500 N404400 E1234900 N403300 E1233630 N405900 E1230100 N411000 E1230200 N411300 E1225430 N411130 E1215910 N404830 E1215730 N403200 E1213400 N405941 E1211921 N411054 E1210437 N413416 E1211039 N421935 E1213757 N421734 E1230855 N420802 E1244827 N414400 E1244500 12 500 m ———————— 8 900 m	Shenyang ACC	Shenyang Control 中、英 Ch,En	(125.725 MHz)	该扇区不工作时由沈阳区域03号扇区代替 Contact ZYTXAR03 when ZYTXAR12 U/S.	
ZYTXAR13 N431442 E1173100 N435955 E1200404 N415802 E1201921 N412526 E1183729 N420438 E1181810 N421500 E1180500 N431442 E1173100 12 500 m ———————— 8 900 m	沈阳区域管制室 Shenyang ACC	沈阳区域 Shenyang Control 中、英 Ch,En	132.175 MHz (132.875 MHz)	by ATC 该扇区不工作时由沈阳区域07号扇区代替 Contact ZYTXAR07 when ZYTXAR13 U/S.	
9.台北飞行情报区 Taibei FIR					
10.乌鲁木齐飞行情报区 Urumqi FIR					
10.1 乌鲁木齐区域管制区 Urumqi Control Area			10 018 kHz	0101-1300	
			3 467 kHz	1301-0100	
			(5 658 kHz)	H24	
ZWWWAR01 N424934 E0913816	乌鲁木齐区域管制室	乌鲁木齐区域	118.9 MHz (120.95 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N424954 E0920010 N423518 E0931435 N413449 E0944826 N394711 E0921047 N404142 E0885207 N420651 E0901739 N414903 E0905217 N424934 E0913816 12 500 m ———————— GND	Urumqi ACC	Urumqi Control 中、英 Ch,En			
ZWWWAR02 N434800 E0803224 N433729 E0835213 N441421 E0851421 N440702 E0864039 N440409 E0870452 N442637 E0872908 N452753 E0882042 N454450 E0904425 National Boundaries N434800 E0803224 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	119.3 MHz (132.65 MHz)	H24	
ZWWWAR03 N434800 E0803224 N433729 E0835213 N441421 E0851421 N440702 E0864039 N440409 E0870452 N432051 E0871058 N413735 E0870431 N414333 E0864436 N421028 E0843426 N424422 E0822713 N425344 E0803515 National Boundaries	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	128.15 MHz (132.65 MHz)	H24	

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N434800 E0803224 12 500 m ———————— GND					
ZWWWAR04 N441232 E0885309 N440431 E0885042 N435756 E0884842 N433605 E0880333 N430703 E0891031 N430125 E0895931 N431255 E0901016 N434202 E0903752 N435759 E0905314 N441403 E0893933 N441232 E0885309 9 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	120.575 MHz (126.125 MHz)	H24	
ZWWWAR05 N362339 E0824941 N381019 E0823844 N384115 E0853942 N391151 E0873420 N404717 E0883103 N394711 E0921047 N382010 E0901237 N361720 E0870710 N341953 E0852435 N362339 E0824941 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	119.375 MHz (127.55 MHz)	H24	
ZWWWAR06 N411111 E0775839 N404415 E0785512 N400714 E0801017 N400233 E0822619	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英	125.95 MHz (127.55 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N403053 E0835554 N413924 E0842216 N421028 E0843426 N424422 E0822713 N425344 E0803515 National Boundaries N411111 E0775839 12 500 m ———————— GND		Ch,En			
ZWWWAR07 N435759 E0905314 N434202 E0903752 N431255 E0901016 N430125 E0895931 N423022 E0893053 N420651 E0901739 N414903 E0905217 N424934 E0913816 N433806 E0921417 N434839 E0913439 N435759 E0905314 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	123.7 MHz (126.125 MHz)	by ATC	
ZWWWAR08 N450055 E0923635 N434839 E0913439 N441403 E0893933 N441232 E0885309 N440431 E0885042 N435756 E0884842 N433244 E0875643 N432051 E0871058 N440409 E0870452 N442637 E0872908 N452753 E0882042 N454450 E0904425	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	132.15 MHz (126.125 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
National Boundaries N450055 E0923635 12 500 m ———————— GND					
ZWWWAR09 N411111 E0775839 N404415 E0785512 N400714 E0801017 N400233 E0822619 N381019 E0823844 N362339 E0824941 N341953 E0852435 N301544 E0820902 National Boundaries N411111 E0775839 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	118.975 MHz (127.55 MHz)	by ATC	
ZWWWAR10 N450055 E0923635 N434839 E0913439 N433806 E0921417 N424934 E0913816 N424954 E0920010 N423518 E0931435 N413449 E0944826 N414729 E0950755 N425500 E0962014 National Boundaries N450055 E0923635 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	124.55 MHz (120.95 MHz)	by ATC	
ZWWWAR11 N441403 E0893933 N441232 E0885309 N440431 E0885042	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control	134.2 MHz (126.125 MHz)	by ATC	不包括乌鲁木齐区域 04 号管制扇区 Exclude

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N435756 E0884842 N433605 E0880333 N433244 E0875643 N432051 E0871058 N411000 E0870249 N404142 E0885207 N420651 E0901739 N423022 E0893053 N430125 E0895931 N431255 E0901016 N434202 E0903752 N435759 E0905314 N441403 E0893933 12 500 m ———————— GND		中、英 Ch,En			ZWWWAR04
ZWWWAR12 N421028 E0843426 N414333 E0864436 N413735 E0870431 N411000 E0870249 N405402 E0880522 N404717 E0883103 N394804 E0875530 N393424 E0874728 N391151 E0873420 N384115 E0853942 N381019 E0823844 N393226 E0822945 N400233 E0822619 N403053 E0835554 N413924 E0842216 N421028 E0843426 12 500 m ———————— GND	乌鲁木齐区域管制室 Urumqi ACC	乌鲁木齐区域 Urumqi Control 中、英 Ch,En	125.325 MHz (127.55 MHz)	by ATC	
10.2 乌鲁木齐中低空区域管制区					

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
Urumqi Lower Control Area					
ZWWWLTA N425500 E0962014 N414729 E0950755 N382010 E0901237 N361720 E0870710 N301332 E0820722 National Boundaries N425500 E0962014 ————————		中、英 Ch,En	Nil (Nil)		
11.武汉飞行情报区 Wuhan FIR					
11.1 武汉区域管制区 Wuhan Control Area			8 897 kHz 3 016 kHz (6 571 kHz)	0001-1200 1201-2400 H24	
ZHHHAR01 N331947 E1112053 N322303 E1112330 N314842 E1121342 N310545 E1122356 N304659 E1141214 N314657 E1154331 N321100 E1154030 N325502 E1155001 N320730 E1140412 N331947 E1112053 7 800 m ———————— GND	武汉区域管制室 Wuhan ACC	武汉区域 Wuhan Control 中、英 Ch,En	119.7 MHz (133.75 MHz)	H24	
ZHHHAR02 N314842 E1121342 N310545 E1122356 N303822 E1130832 N301259 E1131108 N292937 E1124215 N293202 E1123206 N293605 E1111031 N303349 E1112839	武汉区域管制室 Wuhan ACC	武汉区域 Wuhan Control 中、英 Ch,En	134.35 MHz (132.95 MHz)	0000-1530	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N322303 E1112330 N314842 E1121342 7 800 m ———————— GND					
ZHHHAR03 N331947 E1112053 N322303 E1112330 N303349 E1112839 N293605 E1111031 N294035 E1090839 N315400 E1093100 N325940 E1102520 N333227 E1105056 N331947 E1112053 7 800 m ———————— GND	武汉区域管制室 Wuhan ACC	武汉区域 Wuhan Control 中、英 Ch,En	119.3 MHz (133.75 MHz)	0030-1430	
ZHHHAR04 N304659 E1141214 N290200 E1143400 N300500 E1155600 N314657 E1154331 N304659 E1141214 7 800 m ———————— GND	武汉区域管制室 Wuhan ACC	武汉区域 Wuhan Control 中、英 Ch,En	120.975 MHz (132.95 MHz)	0000-1300	
ZHHHAR05 N304659 E1141214 N290200 E1143400 N292937 E1124215 N301259 E1131108 N303822 E1130832 N310545 E1122356 N304659 E1141214 7 800 m ———————— GND	武汉区域管制室 Wuhan ACC	武汉区域 Wuhan Control 中、英 Ch,En	132.625 MHz (132.95 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
11.2 郑州区域管制区 Zhengzhou Control Area			8 897 kHz	0001-1200	
			3 016 kHz	1201-2400	
			(6 571 kHz)	H24	
ZHCCAR01 N361553 E1142115 N361917 E1142957 N363830 E1151950 N351800 E1150400 N344941 E1153232 N341731 E1144240 N342221 E1141823 N353121 E1141500 N361553 E1142115 7 800 m ———————— GND	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	119.35 MHz (133.6 MHz)	H24	
ZHCCAR02 N344941 E1153232 N341420 E1160733 N325502 E1155001 N320730 E1140412 N321343 E1135039 N332830 E1133325 N341955 E1132117 N342706 E1135425 N342221 E1141823 N341731 E1144240 N344941 E1153232 6 900 m ———————— GND	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	132.85 MHz (133.6 MHz)	0000-1530	
ZHCCAR03 N352902 E1122516 N354339 E1130044 N341955 E1132117 N332830 E1133325 N333905 E1122916 N334239 E1105859	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	122.2 MHz (133.2 MHz)	0000-1530	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N352902 E1122516 7 800 m ———————— GND					
ZHCCAR04 N344941 E1153232 N341420 E1160733 N325502 E1155001 N320730 E1140412 N321343 E1135039 N332830 E1133325 N341955 E1132117 N342706 E1135425 N342221 E1141823 N341731 E1144240 N344941 E1153232 7 800 m ———————— 6 900 m(exclusive)	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	125.725 MHz (133.2 MHz)	by ATC	
ZHCCAR05 N361553 E1142115 N353121 E1141500 N342221 E1141823 N342706 E1135425 N341955 E1132117 N354339 E1130044 N361553 E1142115 7 800 m ———————— GND	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	120.725 MHz (135.8 MHz)	by ATC	
ZHCCAR06 N334239 E1105859 N333905 E1122916 N332830 E1133325 N321343 E1135039 N333227 E1105056 N334239 E1105859 7 800 m	郑州区域管制室 Zhengzhou ACC	郑州区域 Zhengzhou Control 中、英 Ch,En	134.6 MHz (135.8 MHz)	by ATC	

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———————— GND					

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ENR2.1.4 区域管制区示意图

（待补充）

ENR2.1.4 Control areas chart

(To be developed.)

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ENR 2.1.5
终端管制区和进近管制区
Terminal control areas and approach control areas

名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
1.北京飞行情报区 Beijing FIR					
1.1 北京进近管制区 Beijing Approach Control Area					The relevant rules, see subsection ENR 2.1.6
ZBAAAP01N ZBAD and RWY01/36L/36R in use at ZBAA: N400300 E1161938 N400428 E1163622 N393236 E1164129 N393122 E1163812 N393103 E1163420 N393015 E1162440 N394805 E1162156 N400300 E1161938 In area: N39°48′05″ E116°21′56″ N39°48′54″ E116°31′36″ N39°31′03″ E116°34′20″ N39°30′15″ E116°24′40″ N39°48′05″ E116°21′56″ QNH 1 800m — — — — — — GND Other area: QNH 2 700m — — — — — — GND	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	126.1 MHz (125.05 MHz)	by ATC	
ZBAAAP01S ZBAD and RWY18L/18R/19 in use at ZBAA: N402258 E1155554 N402602 E1163252 N400428 E1163622	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	126.1 MHz (125.05 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N400300 E1161938 N400110 E1155913 N402258 E1155554 QNH 2 700 m ———————— GND					
ZBAAAP02N ZBAD and RWY01/36L/36R in use at ZBAA: N400428 E1163622 N400553 E1165428 N393853 E1165814 N393558 E1165026 N393236 E1164129 N400428 E1163622 QNH 2 100 m ———————— GND	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	119.0 MHz (125.05 MHz)	by ATC	
ZBAAAP02S ZBAD and RWY18L/18R/19 in use at ZBAA: N402602 E1163252 N402730 E1165126 N400553 E1165428 N400428 E1163622 N402602 E1163252 QNH 2 100 m ———————— GND	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	119.0 MHz (125.05 MHz)	by ATC	
ZBAAAP03N ZBAD and RWY01/36L/36R in use at ZBAA: N402258 E1155554 N402602 E1163252 N402730 E1165126 N400553 E1165428 N400428 E1163622 N400300 E1161938	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	120.2 MHz (125.05 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N400110 E1155913 N402258 E1155554 In area: West of N40°26′02″ E116°32′52″- N40°04′28″ E116°36′22″ QNH 2 700m — — — — — — GND In area: East of N40°26′02″ E116°32′52″- N40°04′28″ E116°36′22″ QNH 2 100m — — — — — — GND					
ZBAAAP03S ZBAD and RWY18L/18R/19 in use at ZBAA: N400300 E1161938 N400428 E1163622 N400553 E1165428 N393853 E1165814 N393558 E1165026 N393236 E1164129 N393122 E1163812 N393103 E1163420 N393015 E1162440 N394805 E1162156 N400300 E1161938 In area: West of N40°04′28″ E116°36′22″- N39°32′36″ E116°41′29″ QNH 2 700m — — — — — — GND East of N40°04′28″ E116°36′22″-	北京进近管制室 Beijing APP	首都进近 Capital Approach 中、英 Ch,En	120.2 MHz (125.05 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N39°32′36″ E116°41′29″ QNH 2 100m — — — — — — GND N39°48′05″ E116°21′56″ N39°48′54″ E116°31′36″ N39°31′03″ E116°34′20″ N39°30′15″ E116°24′40″ N39°48′05″ E116°21′56″ QNH 1 800m — — — — — — GND					
ZBAAAP05N RWY01L/29R/35L/35R in use at ZBAD: N392831 E1160411 N393015 E1162440 N390437 E1162829 N390246 E1160802 N392831 E1160411 QNH 2 400 m ———————— GND	北京进近管制室 Beijing APP	大兴进近 Daxing Approach 中、英 Ch,En	126.5 MHz (119.625 MHz)	by ATC	
ZBAAAP05S RWY11L/17L/17R/19R in use at ZBAD: N400110 E1155913 N400300 E1161938 N394805 E1162156 N393015 E1162440 N392831 E1160411 N400110 E1155913 QNH 2 400 m ———————— GND	北京进近管制室 Beijing APP	大兴进近 Daxing Approach 中、英 Ch,En	126.5 MHz (119.625 MHz)	by ATC	
ZBAAAP06N RWY01L/29R/35L/35R in use at ZBAD:	北京进近管制室 Beijing APP	大兴进近 Daxing Approach	119.925 MHz (119.625 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N393015 E1162440 N393103 E1163420 N393122 E1163812 N393236 E1164129 N393558 E1165026 N392058 E1165638 N391815 E1164346 N390608 E1164540 N390437 E1162829 N393015 E1162440 QNH 2 100 m ———————— GND		中、英 Ch,En			
ZBAAAP06S RWY11L/17L/17R/19R in use at ZBAD: N394805 E1162156 N394854 E1163136 N393103 E1163420 N393015 E1162440 N394805 E1162156 QNH 1 800 m ———————— GND	北京进近管制室 Beijing APP	大兴进近 Daxing Approach 中、英 Ch,En	119.925 MHz (119.625 MHz)	by ATC	
ZBAAAP07N RWY01L/29R/35L/35R in use at ZBAD: N400110 E1155913 N400300 E1161938 N394805 E1162156 N394854 E1163136 N393103 E1163420 N393015 E1162440 N392831 E1160411 N400110 E1155913 In area: West of N40°03′00″ E116°19′38″-	北京进近管制室 Beijing APP	大兴进近 Daxing Approach 中、英 Ch,En	120.0 MHz (119.625 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N39°30′15″ E116°24′40″ QNH 2 400m — — — — — — GND East of N40°03′00″ E116°19′38″- N39°30′15″ E116°24′40″ QNH 1 800m — — — — — — GND					
ZBAAAP07S RWY11L/17L/17R/19R in use at ZBAD: N392831 E1160411 N393015 E1162440 N393103 E1163420 N393122 E1163812 N393236 E1164129 N393558 E1165026 N392058 E1165638 N391815 E1164346 N390608 E1164540 N390437 E1162829 N390246 E1160802 N392831 E1160411 In area: N39°28′31″ E116°04′11″- N39°30′15″ E116°24′40″-N39°04′37″ E116°28′29″-N39°02′46″ E116°08′02″-N39°28′31″ E116°04′11″ QNH 2 400m — — — — — — GND Other area: QNH 2 100m — — — — — — GND	北京进近管制室 Beijing APP	大兴进近 Daxing Approach 中、英 Ch,En	120.0 MHz (119.625 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZBAAAP09 N402600 E1153150 N402526 E1162509 N403404 E1163133 N402602 E1163252 N400428 E1163622 N400300 E1161938 N400110 E1155913 N401443 E1153026 N402600 E1153150 In area: N40°22′58″ E115°55′54″ N40°26′02″ E116°32′52″ N40°04′28″ E116°36′22″ N40°03′00″ E116°19′38″ N40°01′10″ E115°59′13″ N40°22′58″ E115°55′54″ QNH 2 700m — — — — — — GND Other area: 6 000m — — — — — — GND	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	121.1 MHz (127.75 MHz)	by ATC	
ZBAAAP10 N401443 E1153026 N400110 E1155913 N392831 E1160411 N394000 E1152610 N401443 E1153026 6 000 m ———————— GND	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	129.0 MHz (127.75 MHz)	by ATC	
ZBAAAP11 N400110 E1155913 N400300 E1161938 N400428 E1163622 N393236 E1164129	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	119.7 MHz (127.75 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N393122 E1163812 N393103 E1163420 N393015 E1162440 N392831 E1160411 N400110 E1155913 In area: N400300 E1161938 N400428 E1163622 N393236 E1164129 N393122 E1163812 N393103 E1163420 N393015 E1162440 N394805 E1162156 N400300 E1161938 QNH 2 700m — — — — — — GND In area: N400110 E1155913 N400300 E1161938 N394805 E1162156 N393015 E1162440 N392831 E1160411 N400110 E1155913 QNH 2 400m — — — — — — GND Other area: 6 000m — — — — — — GND					
ZBAAAP12 N394000 E1152610 N392831 E1160411 N392917 E1161312 N390335 E1161657 N390203 E1161710 N383931 E1155649 N384003 E1153153	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	119.85 MHz (119.425 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N394000 E1152610 6 000 m ———————— 3 900 m(exclusive)					
ZBAAAP13 N392917 E1161312 N393015 E1162440 N393103 E1163420 N393122 E1163812 N393236 E1164129 N391815 E1164346 N390608 E1164540 N390305 E1164609 N390122 E1164625 N383852 E1162241 N383931 E1155649 N390203 E1161710 N390335 E1161657 N392917 E1161312 6 000 m ———————— 3 900 m(exclusive)	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	121.25 MHz (119.425 MHz)	by ATC	
ZBAAAP14 N394000 E1152610 N392831 E1160411 N392917 E1161312 N390335 E1161657 N390203 E1161710 N383931 E1155649 N384003 E1153153 N394000 E1152610 3 900 m ———————— GND	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	126.3 MHz (119.425 MHz)	by ATC	不包括北京进近05、07号管制扇区 Exclude ZBAAAP05 and ZBAAAP07
ZBAAAP15 N392917 E1161312 N393015 E1162440 N393103 E1163420	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英	125.8 MHz (119.425 MHz)	by ATC	不包括北京进近07号管制扇区 Exclude ZBAAAP07

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N393122 E1163812 N393236 E1164129 N391815 E1164346 N390608 E1164540 N390305 E1164609 N390122 E1164625 N383852 E1162241 N383931 E1155649 N390203 E1161710 N390335 E1161657 N392917 E1161312 3 900 m ———————— GND		Ch,En			
ZBAAAP16 N404640 E1163400 N404250 E1171655 N402102 E1170843 N400710 E1171116 N400553 E1165428 N400428 E1163622 N402602 E1163252 N403404 E1163133 N403610 E1163307 N404640 E1163400 In area: N402602 E1163252 N402730 E1165126 N400553 E1165428 N400428 E1163622 N402602 E1163252 QNH 2 100m ———————— GND Other area: 6 000m ———————— GND	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	124.4 MHz (127.75 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZBAAAP17 N400428 E1163622 N400553 E1165428 N400710 E1171116 N392536 E1171847 N392058 E1165638 N393558 E1165026 N393236 E1164129 N400428 E1163622 In area: N400428 E1163622 N400553 E1165428 N393853 E1165814 N393558 E1165026 N393236 E1164129 N400428 E1163622 QNH 2 100m — — — — — — GND Other area: 6 000m — — — — — — GND	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	120.6 MHz (127.75 MHz)	H24	
ZBAAAP18 N393236 E1164129 N393558 E1165026 N392058 E1165638 N392536 E1171847 N391200 E1172810 N390917 E1173001 N390900 E1173150 N390413 E1180204 N384951 E1180154 N384544 E1180152 N383529 E1180145 N383852 E1162241 N390122 E1164625 N390305 E1164609 N390608 E1164540	北京进近管制室 Beijing APP	北京进近 Beijing Approach 中、英 Ch,En	125.5 MHz (119.425 MHz)	by ATC	不包括北京进近06、07号管制扇区及天津进近管制区 Exclude ZBAAAP06/07 and Tianjin APP

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N391815 E1164346 N393236 E1164129 6 000 m ———————— GND					
1.2 北京终端管制区 Beijing Terminal Control Area N402526 E1162509 N403610 E1163307 N404640 E1163400 N404250 E1171655 N402102 E1170843 N392536 E1171847 N390917 E1173001 N390413 E1180204 N383529 E1180145 N384003 E1153153 N394000 E1152610 N402600 E1153150 N402526 E1162509 6 000 m ———————— GND		中、英 Ch,En	Nil (Nil)		包含北京、天津进近管制区 Include Beijing APP and Tianjin APP
1.3 呼和浩特进近管制区 Hohhot Approach Control Area					
ZBHHAP01 RWY08 in use at ZBHH: N412836 E1111100 N412736 E1124308 N410940 E1124324 N405114 E1115037 N403518 E1115420 N403358 E1111100 N412836 E1111100 5 700 m ———————— GND	呼和浩特进近管制室 Hohhot APP	呼和进近 Hohhot Approach 中、英 Ch,En	124.85 MHz (119.075 MHz)	H24	
ZBHHAP01	呼和浩特进近管制	呼和进近	124.85 MHz	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
RWY26 in use at ZBHH: N412836 E1111100 N412736 E1124308 N404751 E1124343 N403858 E1115844 N405204 E1115412 N404912 E1111100 N412836 E1111100 5 700 m ———————— GND	室 Hohhot APP	Hohhot Approach 中、英 Ch,En	(119.075 MHz)		
ZBHHAP02 RWY08 in use at ZBHH: N403358 E1111100 N403518 E1115420 N405114 E1115037 N410940 E1124324 N403446 E1124355 N400407 E1121017 N395719 E1120254 N395630 E1111100 N403358 E1111100 5 700 m ———————— GND	呼和浩特进近管制室 Hohhot APP	呼和进近 Hohhot Approach 中、英 Ch,En	123.85 MHz (119.075 MHz)	by ATC 该扇区不工作时由呼和浩特进近 01 号扇区代替 Contact ZBHHAP01 when ZBHHAP02 U/S.	
ZBHHAP02 RWY26 in use at ZBHH: N404912 E1111100 N405204 E1115412 N403858 E1115844 N404751 E1124343 N403446 E1124355 N400407 E1121017 N395719 E1120254 N395630 E1111100 N404912 E1111100 5 700 m ————————	呼和浩特进近管制室 Hohhot APP	呼和进近 Hohhot Approach 中、英 Ch,En	123.85 MHz (119.075 MHz)	by ATC 该扇区不工作时由呼和浩特进近 01 号扇区代替 Contact ZBHHAP01 when ZBHHAP02 U/S.	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND					
1.4 石家庄进近管制区 Shijiazhuang Approach Control Area					
ZBSJAP01 N390836 E1143554 N385123 E1135043 N381900 E1140500 N372943 E1141525 N372947 E1151453 N374635 E1152650 N382048 E1152509 N383245 E1150447 N390727 E1144806 N390836 E1143554 3 600 m ———————— GND	石家庄进近管制室 Shijiazhuang APP	石家庄进近 Shijiazhuang Approach 中、英 Ch,En	120.45 MHz (124.75 MHz)	H24	不包括石家庄进近 02 号管制扇区 Exclude ZBSJAP02
ZBSJAP02 RWY15 in use at ZBSJ: N383609 E1142231 N382453 E1142304 N381353 E1143159 N382106 E1144807 N381853 E1150920 N384534 E1145119 N383609 E1142231 QNH 1 500 m ———————— GND	石家庄进近管制室 Shijiazhuang APP	石家庄进近 Shijiazhuang Approach 中、英 Ch,En	119.125 MHz (124.75 MHz)	by ATC	
ZBSJAP02 RWY33 in use at ZBSJ: N381150 E1143337 N375610 E1144615 N381014 E1151517 N382818 E1150258 N382126 E1144517 N381821 E1144746	石家庄进近管制室 Shijiazhuang APP	石家庄进近 Shijiazhuang Approach 中、英 Ch,En	119.125 MHz (124.75 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N381150 E1143337 QNH 1 500 m ———————— GND					
1.5 太原进近管制区 Taiyuan Approach Control Area					
ZBYNAP01 N375256 E1130609 a clockwised arc with radius of 45KM centered at Taiyuan VOR 'TYN' N372100 E1123207 N373830 E1123059 N373712 E1120758 a clockwised arc with radius of 45KM centered at Taiyuan VOR 'TYN' N380901 E1124128 N375152 E1124301 N375256 E1130609 QNH 2 700 m ———————— GND	太原进近管制室 Taiyuan APP	太原进近 Taiyuan Approach 中、英 Ch,En	119.2 MHz (125.55 MHz)	H24	
ZBYNAP02 A circle with radius of 80KM centered at Taiyuan VOR 'TYN'. 4 500 m ———————— GND	太原进近管制室 Taiyuan APP	太原进近 Taiyuan Approach 中、英 Ch,En	119.55 MHz (125.55 MHz)	H24	不包括太原进近01号管制扇区 Exclude ZBYNAP01
1.6 天津进近管制区 Tianjin Approach Control Area					The relevant rules, see subsection ENR 2.1.6
ZBTJAP01N RWY34L/34R in use at ZBTJ: N390340 E1171130 N384810 E1172115 N385530 E1174000 N390900 E1173150	天津进近管制室 Tianjin APP	天津进近 Tianjin Approach 中、英 Ch,En	127.9 MHz (120.9 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N390917 E1173001 N390340 E1171130 QNH 1 500 m ———————— GND					
ZBTJAP01S RWY16L/16R in use at ZBTJ: N391815 E1164346 N392058 E1165638 N392536 E1171847 N391200 E1172810 N390630 E1171340 N385008 E1172416 N390305 E1164609 N390608 E1164540 N391815 E1164346 QNH 1 500 m ———————— GND	天津进近管制室 Tianjin APP	天津进近 Tianjin Approach 中、英 Ch,En	127.9 MHz (120.9 MHz)	by ATC	
ZBTJAP02N RWY34L/34R in use at ZBTJ: N390305 E1164609 N385840 E1165915 N384951 E1180154 N384544 E1180152 N383529 E1180145 N383852 E1162241 N390122 E1164625 N390305 E1164609 3 900 m ———————— GND	天津进近管制室 Tianjin APP	天津进近 Tianjin Approach 中、英 Ch,En	125.25 MHz (120.9 MHz)	by ATC	
ZBTJAP02S RWY16L/16R in use at ZBTJ: N390305 E1164609 N385008 E1172416 N384544 E1180152 N383529 E1180145	天津进近管制室 Tianjin APP	天津进近 Tianjin Approach 中、英 Ch,En	125.25 MHz (120.9 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N383852 E1162241 N390122 E1164625 N390305 E1164609 3 900 m ———————— GND					
ZBTJAP03 N391815 E1164346 N392536 E1171847 N390917 E1173001 N390413 E1180204 N383529 E1180145 N383852 E1162241 N390122 E1164625 N391815 E1164346 4 500 m ———————— GND	天津进近管制室 Tianjin APP	天津进近 Tianjin Approach 中、英 Ch,En	119.275 MHz (120.9 MHz)	H24	不包括天津进近01、02号管制扇区 Exclude ZBTJAP01 and ZBTJAP02
2.广州飞行情报区 Guangzhou FIR					
2.1 长沙进近管制区 Changsha Approach Control Area					With ATC clearance, visual separation is implemented.
ZGHAAP01 N283700 E1125018 N283700 E1135100 N273751 E1134608 N274311 E1123936 N283700 E1125018 QNH 3 000 m ———————— GND	长沙进近管制室 Changsha APP	长沙进近 Changsha Approach 中、英 Ch,En	119.65 MHz (120.6 MHz)	H24	
ZGHAAP02 N290141 E1122218 N283700 E1125018 N271720 E1123430 N274916 E1115649 N282239 E1115833	长沙进近管制室 Changsha APP	长沙进近 Changsha Approach 中、英 Ch,En	125.65 MHz (125.05 MHz)	by ATC	

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N290141 E1122218 6 000 m ———————— GND					
ZGHAAP03 N293011 E1123952 N292332 E1130723 N290200 E1143400 N283700 E1142717 N283700 E1125018 N290141 E1122218 N293011 E1123952 6 000 m ———————— GND	长沙进近管制室 Changsha APP	长沙进近 Changsha Approach 中、英 Ch,En	124.6 MHz (125.05 MHz)	by ATC	
ZGHAAP04 N283700 E1125018 N283700 E1142717 N273019 E1140937 N271355 E1134228 N271500 E1133025 N271720 E1123430 N283700 E1125018 6 000 m ———————— GND	长沙进近管制室 Changsha APP	长沙进近 Changsha Approach 中、英 Ch,En	124.025 MHz (120.6 MHz)	by ATC	长沙进近 01 号管制扇区范围除外 Exclude ZGHAAP01
2.2 广州进近管制区 Guangzhou Approach Control Area					The relevant rules, see subsection ENR 2.2.2. With ATC clearance, visual separation is implemented. Exclude Zhuhai TMA.
ZGGGAP01N RWY01L/01R/02L/02R in use at ZGGG:	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach	126.55 MHz (127.75 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N232341 E1131757 N232015 E1133259 N230138 E1133016 N224556 E1132046 N224843 E1130835 N232341 E1131757 QNH 2 100 m ———————— GND		中、英 Ch,En			
ZGGGAP01S RWY19L/19R/20L/20R in use at ZGGG: N232341 E1131757 N232015 E1133259 N234103 E1135628 N235437 E1134355 N235351 E1132620 N232341 E1131757 QNH 2 100 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.55 MHz (127.75 MHz)	H24	
ZGGGAP02N RWY01L/01R/02L/02R in use at ZGGG: N232617 E1130638 N234210 E1130936 N234816 E1131715 N233800 E1134351 N233131 E1133953 N232311 E1133447 N232015 E1133259 N232617 E1130638 QNH 2 100 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	119.7 MHz (127.75 MHz)	by ATC	
ZGGGAP02S RWY19L/19R/20L/20R in use at ZGGG:	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach	119.7 MHz (127.75 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N232601 E1130746 N232015 E1133259 N230830 E1133116 N225742 E1131242 N225647 E1130120 N232601 E1130746 QNH 2 100 m ———————— GND		中、英 Ch,En			
ZGGGAP03N1 RWY01L/01R/02L/02R in use at ZGGG: N233818 E1122554 N241130 E1132457 N240941 E1134102 N240921 E1134307 N234010 E1131435 N233223 E1130746 N232617 E1130638 N232425 E1130034 N233818 E1122554 6 000 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近02号管制扇区 Exclude ZGGGAP02
ZGGGAP03N2 RWY01L/01R/02L/02R in use at ZGGG: N240921 E1134307 N240630 E1135647 N234520 E1141422 N233800 E1134351 N233131 E1133953 N233938 E1133028 N234010 E1131435 N240921 E1134307 4 800 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近02号管制扇区 Exclude ZGGGAP02

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ZGGGAP03N3 RWY01L/01R/02L/02R in use at ZGGG: N234010 E1131435 N233938 E1133028 N233131 E1133953 N232311 E1133447 N232015 E1133259 N232617 E1130638 N233223 E1130746 N234010 E1131435 4 200 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近02号管制扇区 Exclude ZGGGAP02
ZGGGAP03N4 RWY01L/01R/02L/02R in use at ZGGG: N233818 E1122554 N232425 E1130034 N225230 E1125201 N224800 E1122918 N230418 E1122907 N233818 E1122554 4 200 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	
ZGGGAP03N5 RWY01L/01R/02L/02R in use at ZGGG: N233818 E1122554 N235429 E1123911 N240911 E1125119 N242313 E1130257 N242056 E1132513 N241907 E1134238 N241809 E1135149 N240921 E1134307 N240941 E1134102	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	

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N241130 E1132457 N233818 E1122554 6 000 m ———————— GND					
ZGGGAP03N6 RWY01L/01R/02L/02R in use at ZGGG: N240921 E1134307 N241809 E1135149 N241651 E1140358 N240500 E1141250 N234749 E1141217 N240630 E1135647 N240921 E1134307 4 800 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	
ZGGGAP03S1 RWY19L/19R/20L/20R in use at ZGGG: N233818 E1122554 N241130 E1132457 N240941 E1134102 N240921 E1134307 N234010 E1131435 N232704 E1130310 N233818 E1122554 6 000 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近01、06号管制扇区 Exclude ZGGGAP01/06
ZGGGAP03S2 RWY19L/19R/20L/20R in use at ZGGG: N240921 E1134307 N240630 E1135647 N234749 E1141217 N234520 E1141422	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近01、06号管制扇区 Exclude ZGGGAP01/06

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N234103 E1135628 N232856 E1134253 N233938 E1133028 N234010 E1131435 N240921 E1134307 4 800 m(exclusive) ———————— GND					
ZGGGAP03S3 RWY19L/19R/20L/20R in use at ZGGG: N234010 E1131435 N233938 E1133028 N232856 E1134253 N232015 E1133259 N232704 E1130310 N234010 E1131435 4 200 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近01、06号管制扇区 Exclude ZGGGAP01/06
ZGGGAP03S4 RWY19L/19R/20L/20R in use at ZGGG: N232704 E1130310 N232015 E1133259 N230830 E1133116 N225742 E1131242 N225647 E1130120 N225230 E1125201 N232704 E1130310 3 600 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	不包括广州进近02号管制扇区 Exclude ZGGGAP02
ZGGGAP03S5 RWY19L/19R/20L/20R in use at ZGGG: N233818 E1122554 N232704 E1130310	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	

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N225230 E1125201 N224800 E1122918 N230418 E1122907 N233818 E1122554 4 200 m ———————— GND					
ZGGGAP03S6 RWY19L/19R/20L/20R in use at ZGGG: N233818 E1122554 N235429 E1123911 N240911 E1125119 N242313 E1130257 N242056 E1132513 N241907 E1134238 N241809 E1135149 N240921 E1134307 N240941 E1134102 N241130 E1132457 N233818 E1122554 6 000 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	
ZGGGAP03S7 RWY19L/19R/20L/20R in use at ZGGG: N240921 E1134307 N241809 E1135149 N241651 E1140358 N240500 E1141250 N234749 E1141217 N240630 E1135647 N240921 E1134307 4 800 m(exclusive) ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	126.35 MHz (119.6 MHz)	by ATC	
ZGGGAP04N1	广州进近管制室	广州进近	121.05 MHz	by ATC	不包括珠海终端

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RWY01L/01R/02L/02R in use at ZGGG: N233851 E1141941 N225400 E1140342 N225336 E1135123 N230403 E1133719 N232311 E1133447 N233131 E1133953 N233800 E1134351 N234520 E1141422 N233851 E1141941 6 000 m ———————— GND	Guangzhou APP	Guangzhou Approach 中、英 Ch,En	(124.2 MHz)		管制区 Exclude Zhuhai TMA
ZGGGAP04N2 RWY01L/01R/02L/02R in use at ZGGG: N232015 E1133259 N230830 E1133116 N230403 E1133719 N232311 E1133447 N232015 E1133259 4 200 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	121.05 MHz (124.2 MHz)	by ATC	
ZGGGAP04S1 RWY19L/19R/20L/20R in use at ZGGG: N233851 E1141941 N225400 E1140342 N225336 E1135123 N230403 E1133719 N232158 E1133456 N232856 E1134253 N234103 E1135628 N234520 E1141422 N233851 E1141941 6 000 m	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	121.05 MHz (124.2 MHz)	by ATC	不包括珠海终端管制区 Exclude Zhuhai TMA

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———————— GND					
ZGGGAP04S2 RWY19L/19R/20L/20R in use at ZGGG: N232015 E1133259 N230830 E1133116 N230403 E1133719 N232158 E1133456 N232015 E1133259 4 200 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	121.05 MHz (124.2 MHz)	by ATC	
ZGGGAP05N1 RWY01L/01R/02L/02R in use at ZGGG: N240921 E1134307 N241809 E1135149 N241651 E1140358 N240500 E1141250 N234749 E1141217 N234520 E1141422 N233800 E1134351 N233131 E1133953 N233938 E1133028 N234010 E1131435 N240921 E1134307 6 000 m ———————— 4 800 m	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	
ZGGGAP05N2 RWY01L/01R/02L/02R in use at ZGGG: N234010 E1131435 N233938 E1133028 N233131 E1133953 N232311 E1133447 N232015 E1133259	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	

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N232617 E1130638 N233223 E1130746 N234010 E1131435 6 000 m ———————— 4 200 m					
ZGGGAP05N3 RWY01L/01R/02L/02R in use at ZGGG: N224800 E1122918 N224312 E1122915 N222736 E1124453 N222921 E1125339 N223300 E1131141 N223730 E1131942 N225254 E1132900 N225336 E1135123 N230403 E1133719 N232311 E1133447 N232015 E1133259 N232617 E1130638 N232425 E1130034 N225230 E1125201 N224800 E1122918 6 000 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	不包括广州进近01、04、06号管制扇区及珠海终端管制区 Exclude ZGGGAP01/04/06 and Zhuhai TMA
ZGGGAP05N4 RWY01L/01R/02L/02R in use at ZGGG: N233818 E1122554 N232425 E1130034 N225230 E1125201 N224800 E1122918 N230418 E1122907 N233818 E1122554 6 000 m ————————	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	

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4 200 m(exclusive)					
ZGGGAP05S1 RWY19L/19R/20L/20R in use at ZGGG: N240921 E1134307 N241809 E1135149 N241651 E1140358 N240500 E1141250 N234749 E1141217 N234520 E1141422 N234103 E1135628 N232856 E1134253 N233938 E1133028 N234010 E1131435 N240921 E1134307 6 000 m ———————— 4 800 m	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	
ZGGGAP05S2 RWY19L/19R/20L/20R in use at ZGGG: N234010 E1131435 N233938 E1133028 N232856 E1134253 N232015 E1133259 N232704 E1130310 N234010 E1131435 6 000 m ———————— 4 200 m	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	
ZGGGAP05S3 RWY19L/19R/20L/20R in use at ZGGG: N232704 E1130310 N232015 E1133259 N230830 E1133116 N225742 E1131242 N225647 E1130120	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	

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N225230 E1125201 N232704 E1130310 6 000 m ———————— 3 600 m					
ZGGGAP05S4 RWY19L/19R/20L/20R in use at ZGGG: N224800 E1122918 N224312 E1122915 N222736 E1124453 N222921 E1125339 N223300 E1131141 N223730 E1131942 N225254 E1132900 N225336 E1135123 N230403 E1133719 N232158 E1133456 N232015 E1133259 N230830 E1133116 N225742 E1131242 N225647 E1130120 N225230 E1125201 N224800 E1122918 6 000 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	不包括广州进近04号管制扇区及珠海终端管制区 Exclude ZGGGAP04 and Zhuhai TMA
ZGGGAP05S5 RWY19L/19R/20L/20R in use at ZGGG: N233818 E1122554 N232704 E1130310 N225230 E1125201 N224800 E1122918 N230418 E1122907 N233818 E1122554 6 000 m ————————	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	120.4 MHz (124.2 MHz)	by ATC	

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4 200 m(exclusive)					
ZGGGAP06N RWY01L/01R/02L/02R in use at ZGGG: N232341 E1131757 N224843 E1130835 N225230 E1125201 N232425 E1130034 N232617 E1130638 N232341 E1131757 QNH 2 100 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	121.175 MHz (127.75 MHz)	by ATC	
ZGGGAP06S RWY19L/19R/20L/20R in use at ZGGG: N232341 E1131757 N235351 E1132620 N235437 E1134355 N235936 E1133918 N240329 E1132216 N234328 E1130647 N232704 E1130310 N232341 E1131757 QNH 2 100 m ———————— GND	广州进近管制室 Guangzhou APP	广州进近 Guangzhou Approach 中、英 Ch,En	121.175 MHz (127.75 MHz)	by ATC	
2.3 桂林进近管制区 Guilin Approach Control Area N244006 E1095024 N244800 E1093400 N253800 E1093000 N255600 E1094400 N255324 E1102400 N253718 E1104848 N244800 E1105800 N243100 E1103600 N242700 E1095900	桂林进近管制室 Guilin APP	桂林进近 Guilin Approach 中、英 Ch,En	120.85 MHz (124.65 MHz)	H24	With ATC clearance, visual separation is implemented.

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N244006 E1095024 6 000 m ———————— GND					
2.4 南宁进近管制区 Nanning Approach Control Area					With ATC clearance, visual separation is implemented.
ZGNNAP01 N232550 E1080717 N230750 E1090430 N223200 E1090821 N215750 E1083636 N215413 E1075351 N221608 E1071430 N225845 E1071813 N230410 E1075455 N232550 E1080717 QNE 6 000 m ———————— QFE 1 800 m(exclusive)	南宁进近管制室 Nanning APP	南宁进近 Nanning Approach 中、英 Ch,En	121.25 MHz (119.85 MHz)	H24	
ZGNNAP02 N232550 E1080717 N230750 E1090430 N223200 E1090821 N215750 E1083636 N215413 E1075351 N221608 E1071430 N225845 E1071813 N230410 E1075455 N232550 E1080717 QFE 1 800 m ———————— GND	南宁进近管制室 Nanning APP	南宁进近 Nanning Approach 中、英 Ch,En	119.075 MHz (119.85 MHz)	by ATC	
2.5 汕头进近管制区 Shantou Approach Control Area N233000 E1173000 N230000 E1173000	汕头进近管制室 Shantou APP	汕头进近 Shantou Approach 中、英	120.65 MHz (123.05 MHz)	H24	With ATC clearance, visual separation is implemented.

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N223809 E1162144 N230500 E1153300 N231904 E1154515 N234600 E1161018 N240600 E1151500 N243400 E1155230 N242648 E1162212 N242200 E1164200 N240000 E1165800 N234200 E1171100 N233000 E1173000 In area: N242648 E1162212 N242200 E1164200 N240000 E1165800 N234200 E1171100 N233000 E1173000 N230000 E1173000 N223809 E1162144 N230500 E1153300 N231904 E1154515 N234600 E1161018 N242648 E1162212 4500m ——————— GND Other area: N242648 E1162212 N243400 E1155230 N240600 E1151500 N234600 E1161018 N242648 E1162212 3600m ——————— GND		Ch,En			
2.6 珠海终端管制区 Zhuhai Terminal Control Area					The relevant rules, see subsectionENR 2.2.2.

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					With ATC clearance, visual separation is implemented. 珠海终端管制区实施雷达管制，未安装二次雷达应答机的航空器禁止进入。 Radar control service is provided within Zhuhai Terminal Control Area, and aircraft operating without SSR transponder are prohibited.
ZGJDTM01N1 RWY33/34 in use at ZGSZ: N224018 E1132125 N223617 E1132941 N223128 E1132652 N222455 E1132757 N222451 E1133311 N221558 E1132658 N215435 E1123211 N220948 E1122900 N222425 E1122858 N222736 E1124453 N222921 E1125339 N223300 E1131141 N223730 E1131942 N224018 E1132125 4 500 m ———————— GND	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	120.35 MHz (125.525 MHz)	0030-1700 该扇区不工作时由珠海终端04号扇区代替 Contact ZGJDTM04 when ZGJDTM01 U/S.	
ZGJDTM01N2	珠海进近管制中心	珠海进近	120.35 MHz	0030-1700	

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RWY33/34 in use at ZGSZ: N225254 E1132900 N225312 E1133914 N223915 E1134703 N223028 E1134502 N222451 E1133311 N222455 E1132757 N223128 E1132652 N223617 E1132941 N224018 E1132125 N225254 E1132900 QNE 4 500 m ———————— QNH 1 800 m(exclusive)	Zhuhai APP	Zhuhai Approach 中、英 Ch,En	(125.525 MHz)	该扇区不工作时由珠海终端04号扇区代替 Contact ZGJDTM04 when ZGJDTM01 U/S.	
ZGJDTM01S1 RWY15/16 in use at ZGSZ: N223520 E1131552 N222455 E1132757 N222451 E1133311 N221558 E1132658 N215435 E1123211 N220948 E1122900 N222425 E1122858 N222736 E1124453 N222921 E1125339 N223300 E1131141 N223520 E1131552 4 500 m ———————— GND	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	120.35 MHz (125.525 MHz)	0030-1700 该扇区不工作时由珠海终端04号扇区代替 Contact ZGJDTM04 when ZGJDTM01 U/S.	
ZGJDTM01S2 RWY15/16 in use at ZGSZ: N225254 E1132900 N225312 E1133914 N223915 E1134703 N223028 E1134502 N223017 E1133638 N222451 E1133311	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	120.35 MHz (125.525 MHz)	0030-1700 该扇区不工作时由珠海终端04号扇区代替 Contact ZGJDTM04 when	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N222455 E1132757 N223520 E1131552 N223730 E1131942 N225254 E1132900 QNE 4 500 m ———————— QNH 1 800 m(exclusive)				ZGJDTM01 U/S.	
ZGJDTM02 N223348 E1141348 N222436 E1134942 N223028 E1134502 N223915 E1134703 N225312 E1133914 N225430 E1141342 N225518 E1144500 N222430 E1144500 N222430 E1143000 Hong Kong Boundaries N223348 E1141348 QNE 4 500 m ———————— QNH 1 800 m(exclusive)	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	119.55 MHz (119.775 MHz)	H24	
ZGJDTM03N1 RWY33/34 in use at ZGSZ: N223028 E1134502 N222436 E1134942 N222451 E1133311 N223028 E1134502 QNH 2 100 m ———————— GND	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	123.85 MHz (119.775 MHz)	0000-1800 该扇区不工作时由珠海终端02号扇区代替 Contact ZGJDTM02 when ZGJDTM03 U/S.	
ZGJDTM03N2 RWY33/34 in use at ZGSZ: N223348 E1141348 N222436 E1134942 N223028 E1134502 N222451 E1133311	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	123.85 MHz (119.775 MHz)	0000-1800 该扇区不工作时由珠海终端02号扇区代替 Contact	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N222455 E1132757 N223128 E1132652 N224003 E1133154 N223915 E1134703 N223913 E1134809 N224842 E1140427 N230156 E1135758 N230212 E1140636 N225430 E1141342 N225518 E1144500 N222430 E1144500 N222430 E1143000 Hong Kong Boundaries N223348 E1141348 QNH 1 800 m ———————— GND				ZGJDTM02 when ZGJDTM03 U/S.	
ZGJDTM03S RWY15/16 in use at ZGSZ: N223348 E1141348 N223142 E1140827 N223726 E1140508 N223557 E1135219 N223735 E1134903 N223725 E1134803 N223337 E1134550 N222933 E1133431 N222455 E1132757 N223520 E1131552 N223730 E1131942 N225254 E1132900 N230118 E1133324 N230212 E1140636 N225430 E1141342 N225518 E1144500 N222430 E1144500 N222430 E1143000 Hong Kong Boundaries N223348 E1141348	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	123.85 MHz (119.775 MHz)	0000-1800 该扇区不工作时由珠海终端02号扇区代替 Contact ZGJDTM02 when ZGJDTM03 U/S.	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
QNH 1 800 m ———————— GND					
ZGJDTM04N1 RWY33/34 in use at ZGSZ: N222451 E1133311 N223028 E1134502 N222436 E1134942 N222451 E1133311 QNE 4 500 m ———————— QNH 2 100 m(exclusive)	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	119.025 MHz (125.525 MHz)	0030-1400 该扇区不工作时由珠海终端02号扇区代替 Contact ZGJDTM02 when ZGJDTM04 U/S.	
ZGJDTM04N2 RWY33/34 in use at ZGSZ: N222451 E1133311 N222436 E1134942 N221342 E1133954 N220936 E1134154 N210000 E1124335 N215435 E1123211 N221558 E1132658 N222451 E1133311 4 500 m ———————— GND	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	119.025 MHz (125.525 MHz)	0030-1400 该扇区不工作时由珠海终端02号扇区代替 Contact ZGJDTM02 when ZGJDTM04 U/S.	
ZGJDTM04S1 RWY15/16 in use at ZGSZ: N222451 E1133311 N223017 E1133638 N223028 E1134502 N222436 E1134942 N222451 E1133311 QNE 4 500 m ———————— QNH 1 800 m(exclusive)	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	119.025 MHz (125.525 MHz)	0030-1400 该扇区不工作时由珠海终端02号扇区代替 Contact ZGJDTM02 when ZGJDTM04 U/S.	
ZGJDTM04S2 RWY15/16 in use at ZGSZ:	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai	119.025 MHz (125.525 MHz)	0030-1400 该扇区不工作	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N222451 E1133311 N222436 E1134942 N221342 E1133954 N220936 E1134154 N210000 E1124335 N215435 E1123211 N221558 E1132658 N222451 E1133311 4 500 m ———————— GND		Approach 中、英 Ch,En		时由珠海终端 02 号扇区代 替 Contact ZGJDTM02 when ZGJDTM04 U/S.	
ZGJDTM05N RWY33/34 in use at ZGSZ: N223617 E1132941 N224003 E1133154 N223915 E1134703 N223913 E1134809 N224842 E1140427 N230156 E1135758 N230118 E1133324 N225254 E1132900 N224018 E1132125 N223617 E1132941 QNH 1 800 m ———————— GND	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	127.95 MHz (119.775 MHz)	0030-1400 该扇区不工作 时由珠海终端 03 号扇区代 替 Contact ZGJDTM03 when ZGJDTM05 U/S.	
ZGJDTM05S RWY15/16 in use at ZGSZ: N223725 E1134803 N223735 E1134903 N223557 E1135219 N223726 E1140508 N223142 E1140827 N222436 E1134942 N222455 E1132757 N222933 E1133431 N223337 E1134550 N223725 E1134803	珠海进近管制中心 Zhuhai APP	珠海进近 Zhuhai Approach 中、英 Ch,En	127.95 MHz (119.775 MHz)	0030-1400 该扇区不工作 时由珠海终端 03 号扇区代 替 Contact ZGJDTM03 when ZGJDTM05 U/S.	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
QNH 1 800 m ———————— GND					
3.香港飞行情报区 Hong Kong FIR					
4.昆明飞行情报区 Kunming FIR					
4.1 成都进近管制区 Chengdu Approach Control Area					
ZUUUAP01N RWY02L/02R in use at ZUUU: N310849 E1043653 N302744 E1041823 N301754 E1041357 N302532 E1034026 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 N312133 E1040628 N310849 E1043653 In area: N310849 E1043653 N302744 E1041823 N301754 E1041357 N302532 E1034026 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 N312133 E1040628 N310849 E1043653 4 500m ———————— GND In area: N312533 E1035655 N312133 E1040628	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	124.85 MHz (127.7 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N304435 E1034917 N303127 E1034311 N302532 E1034026 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 6 000m — — — — — — 4 500m(exclusive)					
ZUUUAP01S RWY20L/20R in use at ZUUU: N302744 E1041823 N294653 E1035941 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 N312133 E1040628 N304435 E1034917 N302744 E1041823 In area: N302744 E1041823 N294653 E1035941 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 N312133 E1040628 N304435 E1034917 N302744 E1041823 4 500m — — — — — — GND In area: N312533 E1035655	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	124.85 MHz (127.7 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N312133 E1040628 N304435 E1034917 N303127 E1034311 N302532 E1034026 N300219 E1032938 N303631 E1030100 N304822 E1030101 N304908 E1032729 N312533 E1035655 6 000m — — — — — — 4 500m(exclusive)					
ZUUUAP02E RWY01/02/11 in use at ZUTF: N310849 E1043653 N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303629 E1045020 N301746 E1044139 N300745 E1043701 N301754 E1041357 N303127 E1034311 N304435 E1034917 N312133 E1040628 N310849 E1043653 In area: N310849 E1043653 N310345 E1044302 N305151 E1045727 N303629 E1045020 N301746 E1044139 N300745 E1043701 N301754 E1041357 N302744 E1041823	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	120.375 MHz (127.7 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N310849 E1043653 4 500m — — — — — — GND In area: N310849 E1043653 N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303629 E1045020 N301746 E1044139 N300745 E1043701 N301754 E1041357 N303127 E1034311 N304435 E1034917 N312133 E1040628 N310849 E1043653 6 000m — — — — — — 4 500m(exclusive)					
ZUUUAP02S RWY11/19/20 in use at ZUTF: N302744 E1041823 N301746 E1044139 N300745 E1043701 N293609 E1042229 N294653 E1035941 N301754 E1041357 N302744 E1041823 4 500 m ———————— GND	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	120.375 MHz (127.7 MHz)	H24	
ZUUUAP03E RWY01/02/11 in use at ZUTF:	成都进近管制室 Chengdu APP	成都进近 Chengdu	119.7 MHz (127.7 MHz)	2230-1900(next day)	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N312533 E1035655 N314459 E1041238 N314604 E1042059 N314648 E1043818 N314803 E1051006 N314112 E1051218 N313026 E1051544 N310345 E1044302 N310849 E1043653 N312133 E1040628 N312533 E1035655 6 000 m ———————— GND		Approach 中、英 Ch,En			
ZUUUAP03S RWY11/19/20 in use at ZUTF: N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303629 E1045020 N301746 E1044139 N300745 E1043701 N301754 E1041357 N303127 E1034311 N304435 E1034917 N312133 E1040628 N312533 E1035655 N314459 E1041238 N314604 E1042059 N314648 E1043818 N314803 E1051006 N314112 E1051218 N313026 E1051544 In area: N312533 E1035655 N314459 E1041238	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	119.7 MHz (127.7 MHz)	2230-1900(next day)	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N314604 E1042059 N314648 E1043818 N314803 E1051006 N314112 E1051218 N313026 E1051544 N310345 E1044302 N310849 E1043653 N312133 E1040628 N312533 E1035655 6 000m — — — — — — GND In area: N310849 E1043653 N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303629 E1045020 N301746 E1044139 N300745 E1043701 N301754 E1041357 N303127 E1034311 N304435 E1034917 N312133 E1040628 N310849 E1043653 6 000m — — — — — — 4 500m(exclusive)					
ZUUUAP04E RWY01/02/11 in use at ZUTF: N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	121.35 MHz (125.25 MHz)	2230-1900(next day)	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N305035 E1052511 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N303629 E1045020 N305151 E1045727 N310345 E1044302 In area: N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N303629 E1045020 N305151 E1045727 N310345 E1044302 4 500m — — — — — — GND In area: N303629 E1045020 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N303629 E1045020 6 000m					

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
— — — — — — 4 500m(exclusive)					
ZUUUAP04S RWY11/19/20 in use at ZUTF: N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N302744 E1041823 N310849 E1043653 N310345 E1044302 In area: N310345 E1044302 N313026 E1051544 N312518 E1051723 N311400 E1052126 N310317 E1052507 N305035 E1052511 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N303629 E1045020 N305151 E1045727 N310345 E1044302 4 500m — — — — — — GND In area:	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	121.35 MHz (125.25 MHz)	2230-1900(next day)	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N303629 E1045020 N304557 E1052353 N303851 E1052155 N302949 E1051847 N295718 E1050917 N300745 E1043701 N301746 E1044139 N303629 E1045020 6 000m — — — — — — 4 500m(exclusive) In area: N310849 E1043653 N310345 E1044302 N305151 E1045727 N303629 E1045020 N301746 E1044139 N302744 E1041823 N310849 E1043653 QNE 4 500m — — — — — — QNH 2 400m(exclusive)					
ZUUUAP05E RWY01/02/11 in use at ZUTF: N300745 E1043701 N295718 E1050917 N293012 E1050125 N292034 E1045808 N292003 E1045127 N291835 E1043601 N291753 E1042940 N293609 E1042229 N294653 E1035941 N301754 E1041357 N300745 E1043701 In area: N300745 E1043701 N295718 E1050917 N293012 E1050125	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	121.025 MHz (125.25 MHz)	0030-1300	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N292034 E1045808 N292003 E1045127 N291835 E1043601 N291753 E1042940 N293609 E1042229 N300745 E1043701 6 000m — — — — — — GND In area: N301754 E1041357 N300745 E1043701 N293609 E1042229 N294653 E1035941 N301754 E1041357 QNE 4 500m — — — — — — QNH 2 400m(exclusive)					
ZUUUAP05S RWY11/19/20 in use at ZUTF: N300745 E1043701 N295718 E1050917 N293012 E1050125 N292034 E1045808 N292003 E1045127 N291835 E1043601 N291753 E1042940 N293609 E1042229 N300745 E1043701 6 000 m ———————— GND	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	121.025 MHz (125.25 MHz)	0030-1300	
ZUUUAP06 N303127 E1034311 N301754 E1041357 N300745 E1043701 N293609 E1042229 N291753 E1042940	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	126.35 MHz (125.25 MHz)	0030-1300	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N291619 E1041543 N291614 E1041238 N292323 E1040200 N300219 E1032938 N302532 E1034026 N303127 E1034311 In area: N300219 E1032938 N294653 E1035941 N293609 E1042229 N291753 E1042940 N291619 E1041543 N291614 E1041238 N292323 E1040200 N300219 E1032938 4 500m — — — — — — GND In area: N303127 E1034311 N301754 E1041357 N300745 E1043701 N293609 E1042229 N291753 E1042940 N291619 E1041543 N291614 E1041238 N292323 E1040200 N300219 E1032938 N302532 E1034026 N303127 E1034311 6 000m — — — — — — 4 500m(exclusive)					
ZUUUAP07N RWY02L/02R in use at ZUUU: N302532 E1034026 N301754 E1041357 N294653 E1035941 N300219 E1032938	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	119.425 MHz (123.825 MHz)	0030-1900	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N302532 E1034026 QNE 4 500 m ———————— QNH 2 400 m(exclusive)					
ZUUUAP07S RWY20L/20R in use at ZUUU: N312133 E1040628 N310849 E1043653 N302744 E1041823 N304435 E1034917 N312133 E1040628 QNE 4 500 m ———————— QNH 2 400 m(exclusive)	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	119.425 MHz (123.825 MHz)	0030-1900	
ZUUUAP08N RWY02L/02R in use at ZUUU: N302532 E1034026 N301754 E1041357 N294653 E1035941 N300219 E1032938 N302532 E1034026 QNH 2 400 m ———————— GND	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	119.25 MHz (123.825 MHz)	0030-1900	
ZUUUAP08S RWY20L/20R in use at ZUUU: N312133 E1040628 N310849 E1043653 N302744 E1041823 N304435 E1034917 N312133 E1040628 QNH 2 400 m ———————— GND	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	119.25 MHz (123.825 MHz)	0030-1900	
ZUUUAP09E RWY01/02/11 in use at ZUTF: N301754 E1041357 N300745 E1043701	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英	124.75 MHz (123.825 MHz)	0030-1900	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N293609 E1042229 N294653 E1035941 N301754 E1041357 QNH 2 400 m ———————— GND		Ch,En			
ZUUUAP09S RWY11/19/20 in use at ZUTF: N310849 E1043653 N310345 E1044302 N305151 E1045727 N303629 E1045020 N301746 E1044139 N302744 E1041823 N310849 E1043653 QNH 2 400 m ———————— GND	成都进近管制室 Chengdu APP	成都进近 Chengdu Approach 中、英 Ch,En	124.75 MHz (123.825 MHz)	0030-1900	
4.2 重庆进近管制区 Chongqing Approach Control Area					With ATC clearance, visual separation is implemented.
ZUCKAP01N RWY02L/02R/03L/03R in use at ZUCK: N303954 E1070346 N303154 E1072446 N300820 E1071127 N295608 E1070436 N294032 E1065306 N294406 E1063936 N294443 E1063713 N300151 E1064302 N303954 E1070346 3 900 m ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	125.2 MHz (119.55 MHz)	H24	
ZUCKAP01S1	重庆进近管制室	重庆进近	125.2 MHz	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
RWY20L/20R/21L/21R in use at ZUCK: N294138 E1064935 N294039 E1065251 N293803 E1070126 N293225 E1070254 N290231 E1065405 N291923 E1064147 N294138 E1064935 3 900 m ———————— GND	Chongqing APP	Chongqing Approach 中、英 Ch,En	(119.55 MHz)		
ZUCKAP01S2 RWY20L/20R/21L/21R in use at ZUCK: N294520 E1063715 N294435 E1063946 N294138 E1064935 N291923 E1064147 N293159 E1063232 N294520 E1063715 QNH 2 400 m ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	125.2 MHz (119.55 MHz)	H24	
ZUCKAP02N RWY02L/02R/03L/03R in use at ZUCK: N295239 E1055049 N294101 E1063832 N292544 E1063315 N291204 E1064422 N291246 E1070837 N282229 E1072344 N280450 E1060311 N283506 E1054130 N294206 E1054400 N295239 E1055049 6 000 m(exclusive)	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	120.85 MHz (119.55 MHz)	by ATC	不包括重庆进近05,06号管制扇区 Exclude ZUCKAP05/06

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZUCKAP02S RWY20L/20R/21L/21R in use at ZUCK: N295805 E1055420 N294909 E1062430 N294520 E1063715 N294435 E1063946 N294138 E1064935 N294039 E1065251 N293803 E1070126 N293225 E1070254 N282229 E1072344 N280450 E1060311 N283506 E1054130 N294206 E1054400 N295805 E1055420 6 000 m(exclusive) ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	120.85 MHz (119.55 MHz)	by ATC	不包括重庆进近01号管制扇区 Exclude ZUCKAP01
ZUCKAP03N RWY02L/02R/03L/03R in use at ZUCK: N304420 E1062439 N304204 E1065803 N303954 E1070346 N303154 E1072446 N300820 E1071127 N295608 E1070436 N294032 E1065306 N293739 E1065206 N294101 E1063832 N295239 E1055049 N304420 E1062439 6 000 m(exclusive) ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	119.1 MHz (119.55 MHz)	by ATC	不包括重庆进近01,05,06号管制扇区 Exclude ZUCKAP01/05/06

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZUCKAP03S RWY20L/20R/21L/21R in use at ZUCK: N304420 E1062439 N304204 E1065803 N301730 E1080200 N300820 E1071127 N301047 E1070304 N301430 E1065013 N294435 E1063946 N294520 E1063715 N294909 E1062430 N295805 E1055420 N304420 E1062439 6 000 m(exclusive) ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	119.1 MHz (119.55 MHz)	by ATC	不包括重庆进近05号管制扇区 Exclude ZUCKAP05
ZUCKAP04N RWY02L/02R/03L/03R in use at ZUCK: N294101 E1063832 N293739 E1065206 N294032 E1065306 N295608 E1070436 N300820 E1071127 N303154 E1072446 N301730 E1080200 N295828 E1080735 N295011 E1081028 N283243 E1081221 N282229 E1072344 N291246 E1070837 N291204 E1064422 N292544 E1063315 N294101 E1063832 6 000 m(exclusive) ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	127.925 MHz (124.2 MHz)	by ATC	不包括重庆进近06号管制扇区 Exclude ZUCKAP06

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZUCKAP04S RWY20L/20R/21L/21R in use at ZUCK: N282229 E1072344 N283243 E1081221 N295011 E1081028 N295828 E1080735 N301730 E1080200 N300820 E1071127 N301047 E1070304 N301430 E1065013 N294435 E1063946 N294138 E1064935 N294039 E1065251 N293803 E1070126 N293225 E1070254 N282229 E1072344 6 000 m(exclusive) ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	127.925 MHz (124.2 MHz)	by ATC	不包括重庆进近06号管制扇区 Exclude ZUCKAP06
ZUCKAP05N RWY02L/02R/03L/03R in use at ZUCK: N294807 E1062410 N294443 E1063713 N294406 E1063936 N294101 E1063832 N292544 E1063315 N291127 E1062820 N291337 E1061306 N294807 E1062410 QNH 2 100 m ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	120.45 MHz (124.2 MHz)	by ATC	
ZUCKAP05S RWY20L/20R/21L/21R in use at ZUCK: N294435 E1063946	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英	120.45 MHz (124.2 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N294520 E1063715 N294909 E1062430 N301425 E1063242 N301713 E1064520 N301430 E1065013 N294435 E1063946 QNH 2 400 m ———————— GND		Ch,En			
ZUCKAP06N RWY02L/02R/03L/03R in use at ZUCK: N294406 E1063936 N294032 E1065306 N293739 E1065206 N291204 E1064422 N290926 E1064223 N291127 E1062820 N292544 E1063315 N294101 E1063832 N294406 E1063936 QNH 2 100 m ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	120.025 MHz (124.2 MHz)	by ATC	
ZUCKAP06S RWY20L/20R/21L/21R in use at ZUCK: N294435 E1063946 N301430 E1065013 N301047 E1070304 N294039 E1065251 N294138 E1064935 N294435 E1063946 QNH 2 400 m ———————— GND	重庆进近管制室 Chongqing APP	重庆进近 Chongqing Approach 中、英 Ch,En	120.025 MHz (124.2 MHz)	by ATC	
4.3 贵阳进近管制区 Guiyang Approach Control Area					6000 米(含)以下空域实施目视间

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
					隔运行。 Visual separation is implemented at 6 000m and below.
ZUGYAP01N RWY01L/01R in use at ZUGY: N264908 E1062223 N264857 E1063440 N263218 E1064804 N263326 E1072327 N255626 E1072318 N255525 E1062318 N264908 E1062223 3 600 m ———————— GND	贵阳进近管制室 Guiyang APP	贵阳进近 Guiyang Approach 中、英 Ch,En	120.075 MHz (119.45 MHz)	by ATC 该扇区不工作时由贵阳进近02号扇区代替 Contact ZUGYAP02 when ZUGYAP01 U/S.	
ZUGYAP01S RWY19L/19R in use at ZUGY: N270758 E1062613 N271908 E1072300 N263937 E1072847 N263218 E1064804 N263112 E1061831 N270758 E1062613 3 600 m ———————— GND	贵阳进近管制室 Guiyang APP	贵阳进近 Guiyang Approach 中、英 Ch,En	120.075 MHz (119.45 MHz)	by ATC 该扇区不工作时由贵阳进近02号扇区代替 Contact ZUGYAP02 when ZUGYAP01 U/S.	
ZUGYAP02 N263505 E1063601 N263218 E1064804 N263326 E1072327 N263458 E1082140 N260548 E1082350 N251019 E1064304 N252610 E1062443 N263505 E1063601 6 000 m	贵阳进近管制室 Guiyang APP	贵阳进近 Guiyang Approach 中、英 Ch,En	126.05 MHz (119.45 MHz)	H24	不包括贵阳进近01号管制扇区 Exclude ZUGYAP01

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———————— GND					
ZUGYAP03 N281118 E1072624 N265852 E1081953 N263458 E1082140 N263326 E1072327 N263218 E1064804 N263505 E1063601 N270758 E1062613 N275022 E1061327 N281118 E1072624 6 000 m ———————— GND	贵阳进近管制室 Guiyang APP	贵阳进近 Guiyang Approach 中、英 Ch,En	119.025 MHz (119.725 MHz)	by ATC 该扇区不工作时由贵阳进近02号扇区代替 Contact ZUGYAP02 when ZUGYAP03 U/S.	不包括贵阳进近01号管制扇区 Exclude ZUGYAP01
ZUGYAP04 N275022 E1061327 N270758 E1062613 N263505 E1063601 N252610 E1062443 N260920 E1053405 N274452 E1055442 N275022 E1061327 6 000 m ———————— GND	贵阳进近管制室 Guiyang APP	贵阳进近 Guiyang Approach 中、英 Ch,En	119.15 MHz (119.725 MHz)	by ATC 该扇区不工作时由贵阳进近02号扇区代替 Contact ZUGYAP02 when ZUGYAP04 U/S.	不包括贵阳进近01号管制扇区 Exclude ZUGYAP01
4.4 昆明进近管制区 Kunming Approach Control Area					With ATC clearance, visual separation is implemented below 6000m.
ZPPPAP01N RWY03/04 in use at ZPPP: N250633 E1025605 N243343 E1022757 N244743 E1020925 N252130 E1023618 N250633 E1025605	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	119.0 MHz (125.55 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
QNH 4 500 m ———————— GND					
ZPPPAP01S RWY21/22 in use at ZPPP: N250633 E1025605 N252130 E1023618 N254252 E1025323 N254559 E1030722 N253535 E1032126 N250633 E1025605 QNH 4 500 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	119.0 MHz (125.55 MHz)	by ATC	
ZPPPAP02N RWY03/04 in use at ZPPP: N250633 E1025605 N245814 E1030654 N242754 E1024745 N243343 E1022757 N250633 E1025605 QNH 4 500 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	123.8 MHz (125.55 MHz)	by ATC	
ZPPPAP02S RWY21/22 in use at ZPPP: N250633 E1025605 N253535 E1032126 N252401 E1033649 N250215 E1032137 N245814 E1030654 N250633 E1025605 QNH 4 500 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	123.8 MHz (125.55 MHz)	by ATC	
ZPPPAP03N RWY03/04 in use at ZPPP: N250633 E1025605	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach	120.35 MHz (127.9 MHz)	H24	不包括昆明进近07号(RWY03/04运行)管制扇区

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N252130 E1023618 N254014 E1021120 N260925 E1024125 N263003 E1031739 N260405 E1034626 N250633 E1025605 7 800 m ———————— GND		中、英 Ch,En			Exclude ZPPPAP07(RWY 03/04 in use)
ZPPPAP03S RWY21/22 in use at ZPPP: N250633 E1025605 N252130 E1023618 N254014 E1021120 N260925 E1024125 N263003 E1031739 N260405 E1034626 N250633 E1025605 7 800 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	124.25 MHz (127.9 MHz)	H24	不包括昆明进近 01 号(RWY21/22 运行)管制扇区 Exclude ZPPPAP01(RWY 21/22 in use)
ZPPPAP04 N250633 E1025605 N260405 E1034626 N254816 E1040354 N251111 E1035424 N245814 E1030654 N250633 E1025605 7 800 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	121.15 MHz (126.55 MHz)	by ATC	不包括昆明进近 08 号(RWY03/04 运行)、02 号(RWY21/22 运行)管制扇区 Exclude ZPPPAP08(RWY 03/04 in use) and ZPPPAP02(RWY 21/22 in use)
ZPPPAP05N RWY03/04 in use at ZPPP: N250633 E1025605 N243343 E1022757 N241801 E1014043 N243724 E1013351 N250140 E1013147	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	124.25 MHz (127.9 MHz)	by ATC	不包括昆明进近 01 号(RWY03/04 运行)管制扇区 Exclude ZPPPAP01(RWY 03/04 in use)

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N254014 E1021120 N252130 E1023618 N250633 E1025605 7 800 m ———————— GND					
ZPPPAP05S RWY21/22 in use at ZPPP: N250633 E1025605 N243343 E1022757 N241801 E1014043 N243724 E1013351 N250140 E1013147 N254014 E1021120 N252130 E1023618 N250633 E1025605 7 800 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	120.35 MHz (127.9 MHz)	by ATC	不包括昆明进近07号(RWY21/22运行)管制扇区 Exclude ZPPPAP07(RWY 21/22 in use)
ZPPPAP06 N250633 E1025605 N245814 E1030654 N251111 E1035424 N243224 E1034430 N240630 E1024530 N235913 E1014722 N241801 E1014043 N243343 E1022757 N250633 E1025605 7 800 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	Nil (Nil)	by ATC	不包括昆明进近02号(RWY03/04运行)、08号(RWY21/22运行)管制扇区 Exclude ZPPPAP02(RWY 03/04 in use) and ZPPPAP08(RWY 21/22 in use)
ZPPPAP07N RWY03/04 in use at ZPPP: N250633 E1025605 N251730 E1024136 N252946 E1024700 N253609 E1025209	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	119.225 MHz (Nil)	by ATC	

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N252247 E1031015 N250633 E1025605 QNH 4 200 m ———————— GND					
ZPPPAP07S RWY21/22 in use at ZPPP: N250633 E1025605 N245052 E1024238 N245940 E1022643 N251730 E1024136 N250633 E1025605 QNH 4 200 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	119.225 MHz (Nil)	by ATC	
ZPPPAP08N RWY03/04 in use at ZPPP: N250633 E1025605 N252247 E1031015 N251342 E1032222 N245925 E1031114 N245814 E1030654 N250633 E1025605 QNH 4 200 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	Nil (Nil)	by ATC	
ZPPPAP08S RWY21/22 in use at ZPPP: N250633 E1025605 N245814 E1030654 N244244 E1025717 N245052 E1024238 N250633 E1025605 QNH 4 200 m ———————— GND	昆明进近管制室 Kunming APP	昆明进近 Kunming Approach 中、英 Ch,En	Nil (Nil)	by ATC	
4.5 拉萨进近管制区 Lhasa Approach Control Area	拉萨进近管制室 Lhasa APP	拉萨进近 Lhasa	119.0 MHz (120.2 MHz)	H24	

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N300012 E0930430 N304240 E0924745 N295346 E0901301 N284518 E0901008 N284336 E0905806 N284132 E0923403 N294431 E0931037 N300012 E0930430 8 900 m ———————— GND		Approach 中、英 Ch,En			
4.6 丽江进近管制区 Lijiang Approach Control Area A circle with radius of 50km centered at ARP QNH 6 000 m ———————— GND	丽江进近管制室 Lijiang APP	丽江进近 Lijiang Approach 中、英 Ch,En	119.05 MHz (120.325 MHz)	by ATC	
4.7 西双版纳进近管制区 Xishuangbanna Approach Control Area N213125 E1004357 a clockwised arc with radius of 50km centered at Xishuangbanna ARP N214143 E1010834 National Boundaries N213125 E1004357 6 000 m ———————— GND	西双版纳进近管制室 Xishuangbanna APP	版纳进近 Banna Approach 中、英 Ch,En	119.1 MHz (119.625 MHz)	HO	
5.兰州飞行情报区 Lanzhou FIR					
5.1 兰州进近管制区 Lanzhou Approach Control Area					
ZLLLAP01 N372618 E1020228 N373115 E1030059 N373458 E1033735	兰州进近管制室 Lanzhou APP	兰州进近 Lanzhou Approach 中、英	120.25 MHz (127.9 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N363049 E1033725 N354655 E1033724 N354656 E1024555 N354641 E1020130 N372618 E1020228 6 000 m ———————— 5 100 m(exclusive)		Ch,En			
ZLLLAP02 N373458 E1033735 N373659 E1040043 a clockwised arc with radius of 47KM centered at Jingtai VOR 'JTA' N371556 E1043611 N362850 E1044321 N363049 E1033725 N373458 E1033735 6 000 m ———————— 5 100 m(exclusive)	兰州进近管制室 Lanzhou APP	兰州进近 Lanzhou Approach 中、英 Ch,En	119.15 MHz (125.025 MHz)	by ATC	
ZLLLAP03 N362850 E1044321 N362012 E1044450 a clockwised arc with radius of 56KM centered at XIXAN N354632 E1040745 N354655 E1033724 N363049 E1033725 N362850 E1044321 6 000 m ———————— 5 100 m(exclusive)	兰州进近管制室 Lanzhou APP	兰州进近 Lanzhou Approach 中、英 Ch,En	124.2 MHz (125.025 MHz)	by ATC	
ZLLLAP04 N373115 E1030059 N373458 E1033735 N373659 E1040043 a clockwised arc with radius of	兰州进近管制室 Lanzhou APP	兰州进近 Lanzhou Approach 中、英 Ch,En	119.45 MHz (127.9 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
47KM centered at Jingtai VOR 'JTA' N371556 E1043611 N362850 E1044321 N363049 E1033725 N363114 E1025212 N373115 E1030059 5 100 m ———————— GND					
ZLLLAP05 N362850 E1044321 N362012 E1044450 a clockwised arc with radius of 56KM centered at XIXAN N354632 E1040745 N354655 E1033724 N354656 E1024555 N363114 E1025212 N363049 E1033725 N362850 E1044321 5 100 m ———————— GND	兰州进近管制室 Lanzhou APP	兰州进近 Lanzhou Approach 中、英 Ch,En	119.825 MHz (125.025 MHz)	by ATC	
5.2 西安进近管制区 Xi’an Approach Control Area					With ATC clearance, visual separation is implemented.
ZLXYAP01 RWY05L/05R in use at ZLXY: N341653 E1080221 N343651 E1083427 N342648 E1084506 N341138 E1085226 N335337 E1082747 N341653 E1080221 QNH 1 800 m ————————	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	125.1 MHz (126.55 MHz)	0030-1300 该扇区不工作时由西安进近03号扇区代替 Contact ZLXYAP03 when ZLXYAP01 U/S.	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND					
ZLXYAP01 RWY23L/23R in use at ZLXY: N343651 E1083427 N345400 E1090127 N342700 E1092955 N341550 E1091447 N341138 E1085226 N342648 E1084506 N343651 E1083427 QNH 1 800 m ———————— GND	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	125.1 MHz (126.55 MHz)	0030-1300 该扇区不工作时由西安进近03号扇区代替 Contact ZLXYAP03 when ZLXYAP01 U/S.	
ZLXYAP02 N354646 E1092239 N350219 E1093547 N335839 E1080740 N351240 E1074613 N353730 E1080846 N355045 E1090823 N354646 E1092239 6 000 m ———————— GND	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	119.05 MHz (123.85 MHz)	0030-1230 该扇区不工作时由西安进近03号扇区代替 Contact ZLXYAP03 when ZLXYAP02 U/S.	不包括西安进近01、04、05号管制扇区 Exclude ZLXYAP01/04/05
ZLXYAP03 N350219 E1093547 N335232 E1095600 N332646 E1091258 N331913 E1081850 N335839 E1080740 N350219 E1093547 6 000 m ———————— GND	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	119.6 MHz (126.55 MHz)	H24	不包括西安进近01、04、05号管制扇区 Exclude ZLXYAP01/04/05
ZLXYAP04 RWY05L/05R in use at ZLXY: N343651 E1083427 N345400 E1090127	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英	119.9 MHz (121.4 MHz)	by ATC 该扇区不工作时由西安进近01号扇区代	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N342700 E1092955 N341550 E1091447 N341138 E1085226 N342648 E1084506 N343651 E1083427 QNH 3 000 m ———————— GND		Ch,En		替 Contact ZLXYAP01 when ZLXYAP04 U/S.	
ZLXYAP04 RWY23L/23R in use at ZLXY: N341653 E1080221 N343651 E1083427 N342648 E1084506 N341138 E1085226 N335337 E1082747 N341653 E1080221 QNH 3 000 m ———————— GND	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	119.9 MHz (121.4 MHz)	by ATC 该扇区不工作时由西安进近01号扇区代替 Contact ZLXYAP01 when ZLXYAP04 U/S.	
ZLXYAP05 RWY05L/05R in use at ZLXY: N341653 E1080221 N343651 E1083427 N342648 E1084506 N341138 E1085226 N335337 E1082747 N341653 E1080221 QNH 3 000 m ———————— QNH 1 800 m(exclusive)	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	120.2 MHz (121.4 MHz)	by ATC 该扇区不工作时由西安进近01号扇区代替 Contact ZLXYAP01 when ZLXYAP05 U/S.	
ZLXYAP05 RWY23L/23R in use at ZLXY: N343651 E1083427 N345400 E1090127 N342700 E1092955 N341550 E1091447 N341138 E1085226 N342648 E1084506	西安进近管制室 Xi'an APP	西安进近 Xi'an Approach 中、英 Ch,En	120.2 MHz (121.4 MHz)	by ATC 该扇区不工作时由西安进近01号扇区代替 Contact ZLXYAP01 when	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N343651 E1083427 QNH 3 000 m ———————— QNH 1 800 m(exclusive)				ZLXYAP05 U/S.	
5.3 西宁进近管制区 Xining Approach Control Area					
ZLXNAP01 N372618 E1020228 N354641 E1020130 N354637 E1015001 a clockwised arc with radius of 94KM centered at N363631 E1020202 N372231 E1013500 N372618 E1020228 6 000 m ———————— 5 100 m(exclusive)	西宁进近管制区 Xining APP	西宁进近 Xining Approach 中、英 Ch,En	119.875 MHz (119.625 MHz)	by ATC	
ZLXNAP02 N372618 E1020228 N354641 E1020130 N354637 E1015001 a clockwised arc with radius of 94KM centered at N363631 E1020202 N372231 E1013500 N372618 E1020228 5 100 m ———————— GND	西宁进近管制区 Xining APP	西宁进近 Xining Approach 中、英 Ch,En	119.875 MHz (119.625 MHz)	by ATC	
ZLXNAP03 N372618 E1020228 N373115 E1030059 N363114 E1025212 N354656 E1024555 N354641 E1020130 N372618 E1020228 5 100 m	西宁进近管制区 Xining APP	西宁进近 Xining Approach 中、英 Ch,En	119.2 MHz (119.625 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
5.4 银川进近管制区 Yinchuan Approach Control Area					
ZLICAP01 N382733 E1060940 N381848 E1060108 N380848 E1060222 N380120 E1063227 N381003 E1064201 N381922 E1062336 N382733 E1060940 QNH 3 000 m ———————— GND	银川进近管制室 Yinchuan APP	银川进近 Yinchuan Approach 中、英 Ch,En	124.05 MHz (119.1 MHz)	H24	
ZLICAP02 N384718 E1053514 N382733 E1060940 N381922 E1062336 N381003 E1064201 N374930 E1072312 N371840 E1065342 N375124 E1052506 N384406 E1050519 N384718 E1053514 6 000 m ———————— GND	银川进近管制室 Yinchuan APP	银川进近 Yinchuan Approach 中、英 Ch,En	125.6 MHz (119.1 MHz)	0000-1000 该扇区不工作时由银川进近01号扇区代替 Contact ZLICAP01 when ZLICAP02 U/S.	不包括银川进近01号管制扇区 Exclude ZLICAP01
ZLICAP03 N384718 E1053514 N382733 E1060940 N381922 E1062336 N381003 E1064201 N374930 E1072312 N381201 E1074500 N390000 E1072600 N384718 E1053514 6 000 m	银川进近管制室 Yinchuan APP	银川进近 Yinchuan Approach 中、英 Ch,En	126.075 MHz (119.1 MHz)	by ATC 该扇区不工作时由银川进近02号扇区代替 Contact ZLICAP02 when ZLICAP03 U/S.	不包括银川进近04号管制扇区 Exclude ZLICAP04

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———————— GND					
ZLICAP04 N382733 E1060940 N381922 E1062336 N381003 E1064201 N381638 E1064929 N383137 E1064350 N384058 E1062244 N382733 E1060940 QNH 3 000 m ———————— GND	银川进近管制室 Yinchuan APP	银川进近 Yinchuan Approach 中、英 Ch,En	119.4 MHz (119.1 MHz)	by ATC 该扇区不工作时由银川进近01号扇区代替 Contact ZLICAP01 when ZLICAP04 U/S.	
6.三亚飞行情报区 Sanya FIR					
6.1 海口进近管制区 Haikou Approach Control Area					With ATC clearance, visual separation is implemented.
ZJHKAP01E RWY09/10 in use at ZJHK: N203000 E1100000 N203000 E1113000 N191500 E1113000 N191500 E1104230 N194000 E1102730 N200130 E1102730 N200538 E1102312 N201800 E1101348 N203000 E1100000 6 000 m ———————— GND	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	119.15 MHz (120.225 MHz)	H24	不包括海口进近03号管制扇区 Exclude ZJHKAP03
ZJHKAP01W RWY27/28 in use at ZJHK: N203000 E1100000 N203000 E1113000 N191500 E1113000 N191500 E1104230	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	119.15 MHz (120.225 MHz)	H24	不包括海口进近03号管制扇区 Exclude ZJHKAP03

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N195059 E1103350 N200616 E1101604 N201355 E1100758 N203000 E1100000 6 000 m ———————— GND					
ZJHKAP02E RWY09/10 in use at ZJHK: N203000 E1100000 N201800 E1101348 N200538 E1102312 N200130 E1102730 N194000 E1102730 N191500 E1104230 N191519 E1085103 N195117 E1085103 N201624 E1090633 N203000 E1091500 N203000 E1100000 6 000 m ———————— GND	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	119.975 MHz (120.225 MHz)	by ATC 该扇区不工作时由海口进近01号扇区代替 Contact ZJHKAP01 when ZJHKAP02 U/S.	不包括海口进近03号管制扇区 Exclude ZJHKAP03
ZJHKAP02W RWY27/28 in use at ZJHK: N203000 E1100000 N201355 E1100758 N200616 E1101604 N195059 E1103350 N191500 E1104230 N191519 E1085103 N195117 E1085103 N201624 E1090633 N203000 E1091500 N203000 E1100000 6 000 m ———————— GND	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	119.975 MHz (120.225 MHz)	by ATC 该扇区不工作时由海口进近01号扇区代替 Contact ZJHKAP01 when ZJHKAP02 U/S.	不包括海口进近03号管制扇区 Exclude ZJHKAP03

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ZJHKAP03E RWY09/10 in use at ZJHK: N200800 E1104215 N200800 E1095300 N194000 E1095300 N194000 E1104215 N200800 E1104215 QNH 2 100 m ———————— GND	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	124.675 MHz (120.225 MHz)	by ATC 该扇区不工作时由海口进近01号扇区代替 Contact ZJHKAP01 when ZJHKAP03 U/S.	
ZJHKAP03W RWY27/28 in use at ZJHK: N200800 E1110200 N200800 E1100940 N194000 E1100940 N194000 E1110200 N200800 E1110200 QNH 2 100 m ———————— GND	海口进近管制室 Haikou APP	海口进近 Haikou Approach 中、英 Ch,En	124.675 MHz (120.225 MHz)	by ATC 该扇区不工作时由海口进近01号扇区代替 Contact ZJHKAP01 when ZJHKAP03 U/S.	
6.2 三亚进近管制区 Sanya Approach Control Area					With ATC clearance, visual separation is implemented.
ZJSYAP01 N182941 E1084258 N182924 E1092415 N182936 E1102915 N174000 E1094000 N173941 E1083904 N182941 E1084258 QNH 3 000 m ———————— GND	三亚进近管制室 Sanya APP	三亚进近 Sanya Approach 中、英 Ch,En	127.925 MHz (119.25 MHz)	by ATC	
ZJSYAP02 N191604 E1071123 N182028 E1074053 N174000 E1082736	三亚进近管制室 Sanya APP	三亚进近 Sanya Approach 中、英	125.55 MHz (119.25 MHz)	H24	不包括三亚进近01号管制扇区 Exclude ZJSYAP01

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N174000 E1094000 N191500 E1111456 N191500 E1091500 N191604 E1071123 6 000 m ———————— GND		Ch,En			
7.上海飞行情报区 Shanghai FIR					
7.1 常州进近管制区 Changzhou Approach Control Area N314818 E1192330 N314700 E1192355 N314240 E1194102 N314144 E1200000 N314634 E1200000 N315604 E1200215 N321013 E1200030 N322247 E1195636 N321743 E1192053 N315520 E1192053 N314818 E1192330 In area: N314240 E1194102 N314144 E1200000 N314634 E1200000 N315027 E1200054 N315210 E1194204 N314240 E1194102 3 000 m ———————— GND Other area: 3 600 m ———————— GND	常州进近管制室 Changzhou APP	常州进近 Changzhou Approach 中、英 Ch,En	120.600 MHz (125.150 MHz)	by ATC	
7.2 福州进近管制区 Fuzhou Approach Control Area					

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ZSFZAP01 N244130 E1193615 N250000 E1200000 N262908 E1212656 N272748 E1193006 N273435 E1191542 N265910 E1185725 N262101 E1185453 N254004 E1183504 N244130 E1193615 6 000 m ———————— GND	福州进近管制室 Fuzhou APP	福州进近 Fuzhou Approach 中、英 Ch,En	125.175 MHz (133.05 MHz)	H24	不包括福州进近02号管制扇区 Exclude ZSFZAP02
ZSFZAP02 A circle with radius of 74KM centered at Fuzhou VOR 'FOC'. 3 600 m(exclusive) ———————— GND	福州进近管制室 Fuzhou APP	福州进近 Fuzhou Approach 中、英 Ch,En	124.85 MHz (133.05 MHz)	H24	
ZSFZAP03 N254004 E1183504 N271200 E1165800 N274042 E1175918 N281700 E1180800 N275512 E1183154 N273435 E1191542 N265910 E1185725 N262101 E1185453 N254004 E1183504 6 000 m ———————— GND	福州进近管制室 Fuzhou APP	福州进近 Fuzhou Approach 中、英 Ch,En	127.925 MHz (133.05 MHz)	0130-1230 该扇区不工作时由福州进近01号扇区代替 Contact ZSFZAP01 when ZSFZAP03 U/S.	
7.3 杭州进近管制区 Hangzhou Approach Control Area					The relevant rules, see subsection ENR 2.2.2. 不包括宁波进近管制区 Exclude Ningbo

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					APP
ZSHCAP01 N305706 E1184512 N311312 E1192618 N311200 E1193730 N305310 E1202500 N303902 E1204300 N302908 E1205541 N302718 E1205526 N301220 E1202127 N301331 E1201417 N301930 E1193727 N302925 E1183343 N305706 E1184512 6 000 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	120.05 MHz (124.65 MHz)	0030-1500 该扇区不工作时由杭州进近04号扇区代替 Contact ZSHCAP04 when ZSHCAP01 U/S.	不包括杭州进近02、04号管制扇区 Exclude ZSHCAP02/04
ZSHCAP02 N295913 E1195206 N301930 E1193727 N302747 E1200456 N301331 E1201417 N301220 E1202127 N295913 E1195206 4 200 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	125.55 MHz (119.15 MHz)	by ATC 该扇区不工作时由杭州进近04号扇区代替 Contact ZSHCAP04 when ZSHCAP02 U/S.	
ZSHCAP03 N302925 E1183343 N301930 E1193727 N301331 E1201417 N301220 E1202127 N294807 E1201831 N293020 E1201254 N291530 E1193143 N282726 E1192933 N282710 E1185601 N280500 E1183000	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	126.05 MHz (125.275 MHz)	H24	不包括杭州进近02、06、07号管制扇区 Exclude ZSHCAP02/06/07

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N280310 E1182252 N281700 E1180800 N282642 E1175748 N293236 E1181234 N294412 E1181512 N302925 E1183343 6 000 m ———————— GND					
ZSHCAP04 N302801 E1205706 N302718 E1205526 N301220 E1202127 N301331 E1201417 N302747 E1200456 N303902 E1204300 N302908 E1205541 N302801 E1205706 4 200 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	120.4 MHz (119.15 MHz)	2300-1600(next day) 该扇区不工作时由杭州进近03号扇区代替 Contact ZSHCAP03 when ZSHCAP04 U/S.	
ZSHCAP05 N302718 E1205526 N300242 E1205206 N283730 E1212648 N285200 E1204300 N282728 E1193451 N282726 E1192933 N291530 E1193143 N293020 E1201254 N294807 E1201831 N301220 E1202127 N302718 E1205526 6 000 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	119.425 MHz (125.275 MHz)	0030-1100 该扇区不工作时由杭州进近03号扇区代替 Contact ZSHCAP03 when ZSHCAP05 U/S.	不包括杭州进近06、08号管制扇区和宁波进近管制区 Exclude ZSHCAP06/08 and Ningbo APP
ZSHCAP06 N295913 E1195206	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou	Nil (Nil)	by ATC 该扇区不工作	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N301220 E1202127 N295000 E1202757 N294807 E1201831 N295100 E1195800 N295913 E1195206 4 200 m ———————— GND		Approach 中、英 Ch,En		时由杭州进近 02 号扇区代 替 Contact ZSHCAP02 when ZSHCAP06 U/S.	
ZSHCAP07 N302925 E1183343 N301930 E1193727 N295913 E1195206 N295100 E1195800 N294807 E1201831 N293020 E1201254 N291530 E1193143 N291530 E1190930 N293241 E1184225 N293236 E1181234 N294412 E1181512 N302925 E1183343 4 200 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	127.7 MHz (124.65 MHz)	by ATC 该扇区不工作 时由杭州进近 03 号扇区代 替 Contact ZSHCAP03 when ZSHCAP07 U/S.	
ZSHCAP08 N302801 E1205706 N302018 E1210653 N300519 E1205737 N295854 E1205340 N295409 E1205045 N295000 E1202757 N301220 E1202127 N302718 E1205526 N302801 E1205706 4 200 m ———————— GND	杭州进近管制室 Hangzhou APP	杭州进近 Hangzhou Approach 中、英 Ch,En	Nil (Nil)	by ATC 该扇区不工作 时由杭州进近 04 号扇区代 替 Contact ZSHCAP04 when ZSHCAP08 U/S.	
7.4 合肥进近管制区					

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
Hefei Approach Control Area					
ZSOFAP01 N323200 E1171600 N322149 E1162810 N313428 E1164002 N311442 E1171630 N313630 E1173430 N323200 E1171600 3 600 m(exclusive) ———————— GND	合肥进近管制室 Hefei APP	合肥进近 Hefei Approach 中、英 Ch,En	119.85 MHz (119.025 MHz)	H24	
ZSOFAP02 N324000 E1175259 N324246 E1171531 N323018 E1154439 N321100 E1154030 N315205 E1154252 N315717 E1170257 N324000 E1175259 6 000 m ———————— GND	合肥进近管制室 Hefei APP	合肥进近 Hefei Approach 中、英 Ch,En	120.45 MHz (121.05 MHz)	by ATC 该扇区不工作时由合肥进近03号扇区代替 Contact ZSOFAP03 when ZSOFAP02 U/S.	不包括合肥进近01号管制扇区 Exclude ZSOFAP01
ZSOFAP03 N324000 E1175259 N315717 E1170257 N313327 E1171723 N305649 E1184209 N313410 E1184200 N313910 E1180600 N314300 E1180618 N324000 E1175259 6 000 m ———————— GND	合肥进近管制室 Hefei APP	合肥进近 Hefei Approach 中、英 Ch,En	124.45 MHz (121.05 MHz)	0030-1130 该扇区不工作时由合肥进近01号扇区代替 Contact ZSOFAP01 when ZSOFAP03 U/S.	不包括合肥进近01号管制扇区 Exclude ZSOFAP01
ZSOFAP04 N315717 E1170257 N315205 E1154252 N303912 E1155152	合肥进近管制室 Hefei APP	合肥进近 Hefei Approach 中、英	120.875 MHz (121.05 MHz)	by ATC 该扇区不工作时由合肥进近03号扇区代	不包括合肥进近01号管制扇区 Exclude ZSOFAP01

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N305649 E1184209 N313327 E1171723 N315717 E1170257 6 000 m ———————— GND		Ch,En		替 Contact ZSOFAP03 when ZSOFAP04 U/S.	
7.5 济南进近管制区 Jinan Approach Control Area					
ZSJNAP01 N371302E1164739 N362100E1164739 N362100E1173758 N373144E1173758 N372912E1173000 N371302E1164739 QNH 2 700 m ———————— GND	济南进近管制室 Jinan APP	济南进近 Jinan Approach 中、英 Ch,En	119.05 MHz (121.4 MHz)	H24	
ZSJNAP02 N364000E1152400 N372912E1173000 N374243E1181259 N360002E1181300 N360002E1152525 N364000E1152400 4 500 m ———————— GND	济南进近管制室 Jinan APP	济南进近 Jinan Approach 中、英 Ch,En	119.225 MHz (121.4 MHz)	2300-1500(next day) 该扇区不工作时由济南进近01号扇区代替 Contact ZSJNAP01 when ZSJNAP02 U/S.	不包括济南进近01号管制扇区 Exclude ZSJNAP01
ZSJNAP03 N364000E1152400 N372912E1173000 N374243E1181259 N360002E1181300 N360002E1152525 N364000E1152400 6 000 m ————————	济南进近管制室 Jinan APP	济南进近 Jinan Approach 中、英 Ch,En	124.475 MHz (121.4 MHz)	2300-1500(next day) 该扇区不工作时由济南进近02号扇区代替 Contact ZSJNAP02 when	不包括济南进近02号管制扇区 Exclude ZSJNAP02

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND				ZSJNAP03 U/S.	
7.6 晋江进近管制区 Jinjiang Approach Control Area N243710 E1184019 N243742 E1182538 N245747 E1182253 N245700 E1184500 N243710 E1184019 QNH 1 800 m ———————— QNH 900 m	晋江进近管制室 Jinjiang APP	晋江进近 Jinjiang Approach 中、英 Ch,En	119.175 MHz (120.025 MHz)	by ATC 该扇区不工作时由晋江塔台代替 Contact Jinjiang Tower when ZSQZAPP U/S.	
7.7 南昌进近管制区 Nanchang Approach Control Area					
ZSCNAP01 N300500 E1155600 N294728 E1153305 N290200 E1143400 N285311 E1155447 N284203 E1164046 N292310 E1163850 N294043 E1164315 N300500 E1155600 6 000 m ———————— GND	南昌进近管制室 Nanchang APP	南昌进近 Nanchang Approach 中、英 Ch,En	119.95 MHz (123.85 MHz)	H24	
ZSCNAP02 N284203 E1164046 N281115 E1161122 N273035 E1153307 N281802 E1145937 N290200 E1143400 N285311 E1155447 N284203 E1164046 6 000 m ———————— GND	南昌进近管制室 Nanchang APP	南昌进近 Nanchang Approach 中、英 Ch,En	119.075 MHz (123.85 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
7.8 南京进近管制区 Nanjing Approach Control Area					不包括常州进近管制区 Exclude Changzhou APP
ZSNJAP01 N312742 E1191154 N313410 E1184200 N314011 E1181747 N314742 E1181806 N320043 E1181753 N320306 E1183706 N320940 E1185553 N314818 E1192330 N313800 E1192200 N312742 E1191154 QNH 1 800 m ———————— GND	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach 中、英 Ch,En	119.25 MHz (120.35 MHz)	H24	
ZSNJAP02 N313515 E1183426 N313910 E1180600 N314300 E1180618 N324000 E1175259 N324020 E1183445 N324130 E1185930 N323354 E1190648 N320634 E1193325 N313515 E1183426 6 000 m ———————— GND	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach 中、英 Ch,En	126.55 MHz (120.35 MHz)	H24	不包括南京进近01、05号管制扇区，常州进近管制区 Exclude ZSNJAP01/05 and Changzhou APP
ZSNJAP03 N320634 E1193325 N315635 E1194236 N311200 E1193730 N311312 E1192618 N305706 E1184512 N304951 E1184211	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach 中、英 Ch,En	119.675 MHz (120.35 MHz)	by ATC	不包括南京进近01、05号管制扇区，常州进近管制区 Exclude ZSNJAP01/05 and Changzhou APP

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N313410 E1184200 N313515 E1183426 N320634 E1193325 6 000 m ———————— GND					
ZSNJAP04 N350830 E1195440 N350330 E1191530 N344623 E1171544 N340342 E1173254 N324000 E1175259 N324020 E1183445 N324130 E1185930 N323354 E1190648 N320634 E1193325 N321445 E1194542 N331518 E1203737 N332700 E1203136 N350000 E1200000 N350830 E1195440 6 000 m ———————— GND	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach 中、英 Ch,En	121.3 MHz (119.525 MHz)	2330-1559(next day) (UTC) 该扇区不工作时由南京进近01号扇区代替 Contact ZSNJAP01 when ZSNJAP04 U/S.	不包括常州进近管制区 Exclude Changzhou APP
ZSNJAP04 N323354 E1190648 N320634 E1193325 N321445 E1194542 N331518 E1203737 N323354 E1190648 5 400 m ———————— GND	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach 中、英 Ch,En	121.3 MHz (119.525 MHz)	2330-1559(next day) (UTC) 该扇区不工作时由南京进近01号扇区代替 Contact ZSNJAP01 when ZSNJAP04 U/S.	不包括常州进近管制区 Exclude Changzhou APP
ZSNJAP05 N312742 E1191154 N313410 E1184200	南京进近管制室 Nanjing APP	南京进近 Nanjing Approach	119.9 MHz (120.35 MHz)	by ATC	

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N314011 E1181747 N314742 E1181806 N320043 E1181753 N320306 E1183706 N320940 E1185553 N314818 E1192330 N313800 E1192200 N312742 E1191154 QNE 3 600 m ———————— QNH 1 800 m(exclusive)		中、英 Ch,En			
7.9 宁波进近管制区 Ningbo Approach Control Area					
ZSNBAP01N RWY31 in use at ZSNB: N295409 E1205045 N295211 E1212005 N295456 E1224000 N292019 E1224000 N292530 E1203531 N294136 E1203647 N295409 E1205045 4 200 m ———————— GND	宁波进近管制室 Ningbo APP	宁波进近 Ningbo Approach 中、英 Ch,En	125.45 MHz (119.55 MHz)	H24	
ZSNBAP01S RWY13 in use at ZSNB: N301510 E1213608 N301430 E1224000 N292019 E1224000 N292530 E1203531 N294136 E1203647 N295409 E1205045 N295345 E1212003 N301510 E1213608 4 200 m ———————— GND	宁波进近管制室 Ningbo APP	宁波进近 Ningbo Approach 中、英 Ch,En	125.45 MHz (119.55 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZSNBAP02N RWY31 in use at ZSNB: N301518 E1211311 N302018 E1210653 N300519 E1205737 N295854 E1205340 N295409 E1205045 N295211 E1212005 N295456 E1224000 N301430 E1224000 N301518 E1211311 4 200 m ———————— GND	宁波进近管制室 Ningbo APP	宁波进近 Ningbo Approach 中、英 Ch,En	119.825 MHz (119.55 MHz)	by ATC	
ZSNBAP02S RWY13 in use at ZSNB: N301518 E1211311 N302018 E1210653 N300519 E1205737 N295854 E1205340 N295409 E1205045 N295345 E1212003 N301510 E1213608 N301518 E1211311 4 200 m ———————— GND	宁波进近管制室 Ningbo APP	宁波进近 Ningbo Approach 中、英 Ch,En	119.825 MHz (119.55 MHz)	by ATC	
7.10 青岛进近管制区 Qingdao Approach Control Area					不包括烟台进近管制区 Exclude Yantai APP
ZSQDAP01 N365900 E1202642 N364557 E1211310 N360033 E1212217 N354541 E1202344 N355030 E1193116 N370750 E1194127	青岛进近管制室 Qingdao APP	青岛进近 Qingdao Approach 中、英 Ch,En	119.4 MHz (124.6 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N370806 E1200030 N365900 E1202642 QNH 2 400 m ———————— GND					
ZSQDAP02 N350940 E1213226 N350921 E1210541 N350830 E1195440 N350330 E1191530 N351242 E1191924 N360245 E1191223 N355733 E1202925 N361325 E1211943 N354912 E1212432 N350940 E1213226 6 000 m ———————— 3 900 m(exclusive)	青岛进近管制室 Qingdao APP	青岛进近 Qingdao Approach 中、英 Ch,En	121.15 MHz (124.6 MHz)	0000-1400	
ZSQDAP03 N363844 E1190717 N370736 E1192413 N370744 E1193255 N370900 E1193200 N372450 E1193200 N373200 E1202512 N371657 E1210651 N364557 E1211310 N361325 E1211943 N355733 E1202925 N360245 E1191223 N363844 E1190717 6 000 m ———————— GND	青岛进近管制室 Qingdao APP	青岛进近 Qingdao Approach 中、英 Ch,En	119.775 MHz (124.6 MHz)	0000-1400	不包括青岛进近01、05号管制扇区和烟台进近管制区 Exclude ZSQDAP01,ZSQDAP05 and Yantai APP
ZSQDAP04 N350940 E1213226 N350921 E1210541	青岛进近管制室 Qingdao APP	青岛进近 Qingdao Approach	119.475 MHz (124.225 MHz)	by ATC	不包括青岛进近01号管制扇区 Exclude

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N350830 E1195440 N350330 E1191530 N351242 E1191924 N360245 E1191223 N355733 E1202925 N361325 E1211943 N354912 E1212432 N350940 E1213226 3 900 m ———————— GND		中、英 Ch,En			ZSQDAP01
ZSQDAP05 N363844 E1190717 N370736 E1192413 N370750 E1194127 N370806 E1200030 N365900 E1202642 N364557 E1211310 N361325 E1211943 N355733 E1202925 N360245 E1191223 N363844 E1190717 3 900 m ———————— GND	青岛进近管制室 Qingdao APP	青岛进近 Qingdao Approach 中、英 Ch,En	120.25 MHz (124.225 MHz)	by ATC	不包括青岛进近 01 号管制扇区 Exclude ZSQDAP01
7.11 上海进近管制区 Shanghai Approach Control Area					The relevant rules, see subsection ENR 2.1.6 不包括杭州、宁波、常州进近管制区 Exclude Hangzhou APP, Ningbo APP and Changzhou APP
ZSSSAP01 N313102 E1212712 N312120 E1212831	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach	120.3 MHz (119.75 MHz)	by ATC	不包括上海进近 05、07 号管制扇区

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N304508 E1213330 N303647 E1212724 N302700 E1211448 N301929 E1210755 N305310 E1202500 N311150 E1202253 N311153 E1205309 N312859 E1205145 N313102 E1212712 6 000 m ———————— GND		中、英 Ch,En			Exclude ZSSSAP05/07
ZSSSAP02N RWY34L/34R/35L/35R in use at ZSPD: N313102 E1212712 N311154 E1212948 N310838 E1213014 N310836 E1214817 N311230 E1220950 N312200 E1222148 N313404 E1221910 N313102 E1212712 QNH 2 700 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	125.4 MHz (124.05 MHz)	H24	
ZSSSAP02S RWY16L/16R/17L/17R in use at ZSPD: N310838 E1213014 N304234 E1213346 N304252 E1223025 N310607 E1222518 N310207 E1221238 N310148 E1215944 N310836 E1214817 N310838 E1213014 QNH 2 700 m	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	125.4 MHz (124.05 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
———————— GND					
ZSSSAP03 N304508 E1213330 N303647 E1212724 N302700 E1211448 N301929 E1210755 N301518 E1211311 N301500 E1221200 N304800 E1221100 N304508 E1213330 6 000 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	125.85 MHz (119.2 MHz)	by ATC	不包括上海进近02、04、06、07号管制扇区 Exclude ZSSSAP02/04/06/07
ZSSSAP04N RWY34L/34R/35L/35R in use at ZSPD: N310836 E1214817 N304242 E1215810 N304252 E1223025 N312200 E1222148 N311230 E1220950 N310836 E1214817 QNH 2 700 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	123.8 MHz (119.2 MHz)	by ATC	
ZSSSAP04S RWY16L/16R/17L/17R in use at ZSPD: N313145 E1213928 N310836 E1214817 N310148 E1215944 N310207 E1221238 N310607 E1222518 N313404 E1221910 N313145 E1213928 QNH 2 700 m ————————	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	123.8 MHz (119.2 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
GND					
ZSSSAP05 N312859 E1205145 N311153 E1205309 N311154 E1212948 N313102 E1212712 N312859 E1205145 QNH 2 700 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	126.65 MHz (128.05 MHz)	H24	
ZSSSAP06N RWY34L/34R/35L/35R in use at ZSPD: N310838 E1213014 N304234 E1213346 N304242 E1215810 N310836 E1214817 N310838 E1213014 QNH 2 700 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	126.3 MHz (120.65 MHz)	by ATC	
ZSSSAP06S RWY16L/16R/17L/17R in use at ZSPD: N313102 E1212712 N311154 E1212948 N310838 E1213014 N310836 E1214817 N313145 E1213928 N313102 E1212712 QNH 2 700 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	126.3 MHz (120.65 MHz)	by ATC	
ZSSSAP07 N311153 E1205309 N304222 E1205537 N304234 E1213346 N310838 E1213014	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	121.1 MHz (119.75 MHz)	by ATC	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N311154 E1212948 N311153 E1205309 QNH 2 700 m ———————— GND					
ZSSSAP08 N314611 E1224630 N311241 E1224630 N310000 E1224504 N312323 E1215813 N312120 E1212831 N313102 E1212712 N315826 E1212554 N315236 E1214712 N315100 E1220200 N314611 E1224630 6 000 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	127.75 MHz (124.05 MHz)	by ATC	不包括上海进近02、04、06号管制扇区 Exclude ZSSSAP02/04/06
ZSSSAP09 N313521 E1201944 N321000 E1204400 N320554 E1205845 N315826 E1212554 N313102 E1212712 N312859 E1205145 N311153 E1205309 N311150 E1202253 N313521 E1201944 6 000 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	121.375 MHz (128.05 MHz)	by ATC	不包括上海进近13号管制扇区，南通塔台，无锡进近 Exclude ZSSSAP13, Nantong TWR and Wuxi APP
ZSSSAP10 N312323 E1215813 N312120 E1212831 N304508 E1213330 N304800 E1221100 N301500 E1221200	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	125.625 MHz (120.65 MHz)	by ATC	不包括上海进近02、04、06号管制扇区 Exclude ZSSSAP02/04/06

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N301430 E1224000 N310000 E1224504 N312323 E1215813 6 000 m ———————— GND					
ZSSSAP11 N321445 E1194542 N322007 E1195223 N321000 E1204400 N313521 E1201944 N305310 E1202500 N311200 E1193730 N315635 E1194236 N320634 E1193325 N321445 E1194542 6 000 m ———————— GND	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	119.075 MHz (128.05 MHz)	by ATC	不包括上海进近13号管制扇区，无锡，常州进近管制区 Exclude ZSSSAP13,Wuxi APP and Changzhou APP
ZSSSAP12 N301518 E1211311 N301430 E1224000 N293000 E1224000 N293530 E1210317 N300242 E1205206 N300620 E1205236 N302908 E1205541 N301518 E1211311 6 000 m ———————— 4 200 m(exclusive)	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	119.975 MHz (120.65 MHz)	by ATC	
ZSSSAP13 N321214 E1201704 N314305 E1203627 N314418 E1212634 N315826 E1212554 N323035 E1212327 N323140 E1201833	上海进近管制室 Shanghai APP	上海进近 Shanghai Approach 中、英 Ch,En	120.825 MHz (124.875 MHz)	by ATC 该扇区不工作时由上海进近09号扇区代替 Contact ZSSSAP09	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N321214 E1201704 3 300 m ———————— GND				when ZSSSAP13 U/S.	
7.12 温州进近管制区 Wenzhou Approach Control Area					
ZSWZAP01 N285200 E1204300 N283730 E1212648 N280000 E1215000 N262908 E1212656 N272500 E1193700 N275116 E1200635 N283859 E1200635 N285200 E1204300 6 000 m ———————— GND	温州进近管制室 Wenzhou APP	温州进近 Wenzhou Approach 中、英 Ch,En	119.625 MHz (132.15 MHz)	H24	不包括温州进近02号管制扇区 Exclude ZSWZAP02
ZSWZAP02 N281558 E1200635 N282425 E1205630 N280000 E1215000 N262908 E1212656 N274600 E1200037 N275116 E1200635 N281558 E1200635 QNH 2 700 m ———————— GND	温州进近管制室 Wenzhou APP	温州进近 Wenzhou Approach 中、英 Ch,En	120.25 MHz (132.15 MHz)	by ATC	
ZSWZAP03 N282710 E1185601 N282728 E1193451 N283859 E1200635 N281558 E1200635 N275116 E1200635 N274600 E1200037 N272500 E1193700 N272748 E1193006	温州进近管制室 Wenzhou APP	温州进近 Wenzhou Approach 中、英 Ch,En	127.975 MHz (132.15 MHz)	by ATC 该扇区不工作时由温州进近01号扇区代替 Contact ZSWZAP01 when ZSWZAP03	

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N275512 E1183154 N280310 E1182252 N280500 E1183000 N282710 E1185601 6 000 m ———————— GND				U/S.	
7.13 无锡进近管制区 Wuxi Approach Control Area N313522 E1201910 N314309 E1202458 N312900 E1204111 N311636 E1203618 N311535 E1202212 N313522 E1201910 3 000 m ———————— GND	无锡进近管制室 Wuxi APP	无锡进近 Wuxi Approach 中、英 Ch,En	119.45 MHz (124.4 MHz)	0200-1500 该扇区不工作时由无锡塔台代替 Contact Wuxi Tower when ZSWXAPP U/S.	
7.14 厦门进近管制区 Xiamen Approach Control Area					
ZSAMAP01 N244130 E1193615 N244942 E1192746 N250536 E1183706 N251900 E1181730 N251500 E1180030 N250010 E1173200 N243030 E1172140 N240817 E1173004 N240312 E1173752 N233426 E1175748 N232703 E1180400 N244130 E1193615 QNH 2 100 m(exclusive) ———————— GND	厦门进近管制室 Xiamen APP	厦门进近 Xiamen Approach 中、英 Ch,En	121.35 MHz (119.05 MHz)	H24	不包括晋江进近管制区 Exclude ZSQZ APP
ZSAMAP02 N250010 E1173200	厦门进近管制室 Xiamen APP	厦门进近 Xiamen	120.2 MHz (119.05 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N243030 E1172140 N240817 E1173004 N240312 E1173752 N233426 E1175748 N242206 E1180701 N243359 E1180057 N250010 E1173200 QNE 5 400 m ———————— QNH 2 100 m		Approach 中、英 Ch,En			
ZSAMAP03 N244942 E1192746 N250536 E1183706 N251900 E1181730 N251500 E1180030 N250010 E1173200 N243359 E1180057 N242206 E1180701 N243226 E1181731 N244942 E1192746 QNE 5 400 m ———————— QNH 2 100 m	厦门进近管制室 Xiamen APP	厦门进近 Xiamen Approach 中、英 Ch,En	123.825 MHz (119.85 MHz)	by ATC	
ZSAMAP04 N244130 E1193615 N244942 E1192746 N243226 E1181731 N242206 E1180701 N233426 E1175748 N232703 E1180400 N244130 E1193615 QNE 5 400 m ———————— QNH 2 100 m	厦门进近管制室 Xiamen APP	厦门进近 Xiamen Approach 中、英 Ch,En	125.025 MHz (119.85 MHz)	by ATC	
7.15 烟台进近管制区 Yantai Approach Control Area					
ZSYTAP01 N375148 E1202033	烟台进近管制室 Yantai APP	烟台进近 Yantai	119.15 MHz (120.85 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N374413 E1202146 N373827 E1202146 N372536 E1201834 N371226 E1205516 N371830 E1211048 N372700 E1211048 N373549 E1212540 N380400 E1212540 N380400 E1210130 N375148 E1202033 QNE 3 600 m(exclusive) ———————— QNH 2 100 m		Approach 中、英 Ch,En			
ZSYTAP02 N375148 E1202033 N374413 E1202146 N373827 E1202146 N372536 E1201834 N371226 E1205516 N371830 E1211048 N372700 E1211048 N373549 E1212540 N380400 E1212540 N380400 E1210130 N375148 E1202033 QNH 2 100 m(exclusive) ———————— GND	烟台进近管制室 Yantai APP	烟台进近 Yantai Approach 中、英 Ch,En	119.875 MHz (120.85 MHz)	by ATC 该扇区不工作时由烟台进近01号扇区代替 Contact ZSYTAP01 when ZSYTAP02 U/S.	
8.沈阳飞行情报区 Shenyang FIR					
8.1 长春进近管制区 Changchun Approach Control Area					With ATC clearance, visual separation is implemented.
ZYCCAP01 N424929 E1251101 N424432 E1252405 N433724 E1271700 N442320 E1270701	长春进近管制室 Changchun APP	长春进近 Changchun Approach 中、英 Ch,En	119.45 MHz (127.9 MHz)	H24	不包括长春02号进近管制扇区 Exclude ZYCCAP02

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N442920 E1261642 N435957 E1261013 N433401 E1252833 N433025 E1242657 N425424 E1245754 N424929 E1251101 6 000 m ———————— GND					
ZYCCAP02N RWY06 in use at ZYCC: N442715 E1235454 N434054 E1241748 N425424 E1245754 N424929 E1251101 N424432 E1252405 N431657 E1263228 N443052 E1250345 N442715 E1235454 QNH 2 400 m ———————— GND	长春进近管制室 Changchun APP	长春进近 Changchun Approach 中、英 Ch,En	125.25 MHz (127.9 MHz)	by ATC 该扇区不工作时由长春进近01号扇区代替 Contact ZYCCAP01 when ZYCCAP02 U/S.	
ZYCCAP02S RWY24 in use at ZYCC: N443052 E1250345 N435053 E1255159 N434215 E1271557 N442320 E1270701 N442931 E1261506 N443022 E1260739 N443156 E1255351 N443246 E1254623 N443052 E1250345 QNH 2 400 m ———————— GND	长春进近管制室 Changchun APP	长春进近 Changchun Approach 中、英 Ch,En	125.25 MHz (127.9 MHz)	by ATC 该扇区不工作时由长春进近01号扇区代替 Contact ZYCCAP01 when ZYCCAP02 U/S.	
ZYCCAP03 N442931 E1261506	长春进近管制室 Changchun APP	长春进近 Changchun	120.2 MHz (127.9 MHz)	by ATC 该扇区不工作	不包括长春02号进近管制扇区

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N443022 E1260739 N443156 E1255351 N443246 E1254623 N442715 E1235454 N434054 E1241748 N433025 E1242657 N433401 E1252833 N435957 E1261013 N442920 E1261642 N442931 E1261506 6 000 m ———————— GND		Approach 中、英 Ch,En		时由长春进近01号扇区代替 Contact ZYCCAP01 when ZYCCAP03 U/S.	Exclude ZYCCAP02
8.2 大连进近管制区 Dalian Approach Control Area					With ATC clearance, visual separation is implemented.
ZYTLAP01 N393431 E1211911 N392645 E1203839 N390902 E1202610 N383854 E1203512 N382800 E1203100 N381500 E1203500 N381500 E1221257 N382429 E1222440 N391606 E1223706 N393113 E1220313 N385610 E1215420 N383543 E1213707 N384052 E1210614 N393431 E1211911 6 000 m ———————— GND	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英 Ch,En	123.85 MHz (127.95 MHz)	H24	不包括大连02号进近管制扇区 Exclude ZYTLAP02
ZYTLAP02 RWY10 in use at ZYTL: N385810 E1212344	大连进近管制室 Dalian APP	大连进近 Dalian Approach	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近	

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N390336 E1212453 N390313 E1213540 N385748 E1213418 N385810 E1212344 QNH 1 200 m ———————— GND		中、英 Ch,En		01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP02 RWY10 in use at ZYTL: N385810 E1212344 N385848 E1210551 N391805 E1211135 N391712 E1212736 N390336 E1212453 N385810 E1212344 QNH 2 100 m ———————— GND	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英 Ch,En	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近 01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP02 RWY10 in use at ZYTL: N385810 E1212344 N385748 E1213418 N385134 E1214155 N384936 E1220712 N383430 E1215142 N383900 E1205016 N384845 E1204341 N391041 E1204412 N391905 E1205203 N391805 E1211135 N385848 E1210551 N385810 E1212344 QNH 3 000 m(exclusive) ———————— GND	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英 Ch,En	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近 01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP02 RWY28 in use at ZYTL: N390219 E1214542	大连进近管制室 Dalian APP	大连进近 Dalian Approach	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近	

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N385654 E1214436 N385748 E1213418 N390313 E1213540 N390219 E1214542 QNH 1 200 m ———————— GND		中、英 Ch,En		01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP02 RWY28 in use at ZYTL: N390219 E1214542 N391529 E1214844 N391415 E1220934 N390219 E1214542 QNH 2 100 m ———————— GND	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英 Ch,En	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近 01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP02 RWY28 in use at ZYTL: N390219 E1214542 N391415 E1220934 N391351 E1221624 N390500 E1222053 N384326 E1221821 N383320 E1220903 N383809 E1211031 N384712 E1210221 N385242 E1213000 N385748 E1213418 N385654 E1214436 N390219 E1214542 QNH 3 000 m(exclusive) ———————— GND	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英 Ch,En	119.6 MHz (127.95 MHz)	0100-1200 该扇区不工作时由大连进近 01 号扇区代替 Contact ZYTLAP01 when ZYTLAP02 U/S.	
ZYTLAP03 N383543 E1213707 N384052 E1210614 N393431 E1211911	大连进近管制室 Dalian APP	大连进近 Dalian Approach 中、英	121.05 MHz (127.95 MHz)	by ATC 该扇区不工作时由大连进近 01 号扇区代	不包括大连 02 号进近管制扇区 Exclude ZYTLAP02

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N393924 E1214448 N393113 E1220313 N385610 E1215420 N383543 E1213707 6 000 m ———————— GND		Ch,En		替 Contact ZYTLAP01 when ZYTLAP03 U/S.	
8.3 哈尔滨进近管制区 Harbin Approach Control Area					With ATC clearance, visual separation is implemented.
ZYHBAP01 RWY05L/05R in use at ZYHB: N442931 E1261506 N443022 E1260739 N443156 E1255351 N443246 E1254623 N445448 E1244818 N450002 E1244837 N452424 E1253706 N454507 E1260151 N450104 E1270923 N442931 E1261506 6 000 m ———————— GND	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	119.65 MHz (127.75 MHz)	H24	不包括哈尔滨进近 02 号管制扇区 Exclude ZYHBAP02
ZYHBAP01 RWY23L/23R in use at ZYHB: N445448 E1244818 N463400 E1245430 N462956 E1262711 N455748 E1272444 N450146 E1271037 N442931 E1261506 N443022 E1260739 N443156 E1255351 N443246 E1254623 N445448 E1244818	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	119.65 MHz (127.75 MHz)	H24	不包括哈尔滨进近 02、03 号管制扇区 Exclude ZYHBAP02、ZYHBAP03

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6 000 m ———————— GND					
ZYHBAP02 RWY05L/05R in use at ZYHB: N451625 E1255037 N454337 E1253335 N460620 E1262153 N454807 E1265102 N452251 E1263838 N451046 E1261305 N451625 E1255037 QNH 3 000 m ———————— GND	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	119.05 MHz (127.75 MHz)	by ATC	
ZYHBAP02 RWY23L/23R in use at ZYHB: N451625 E1255037 N454337 E1253335 N460620 E1262153 N454807 E1265102 N452251 E1263838 N451046 E1261305 N451625 E1255037 QNH 3 000 m ———————— GND	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	119.05 MHz (127.75 MHz)	by ATC	不包括哈尔滨进近 03 号管制扇区 Exclude ZYHBAP03
ZYHBAP03 RWY05L/05R in use at ZYHB: N450002 E1244837 N463400 E1245430 N462956 E1262711 N455748 E1272444 N450146 E1271037 N450104 E1270923 N454507 E1260151 N452424 E1253706 N450002 E1244837	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	120.65 MHz (127.75 MHz)	by ATC	不包括哈尔滨进近 02 号管制扇区 Exclude ZYHBAP02

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
6 000 m ———————— GND					
ZYHBAP03 RWY23L/23R in use at ZYHB: N454314 E1260657 N455950 E1262657 N454915 E1264429 N453248 E1262414 N454314 E1260657 QNH 1 500 m ———————— GND	哈尔滨进近管制室 Harbin APP	哈尔滨进近 Harbin Approach 中、英 Ch,En	120.65 MHz (127.75 MHz)	by ATC	
8.4 沈阳进近管制区 Shenyang Approach Control Area					With ATC clearance, visual separation is implemented.
ZYTXAP01 RWY06 in use at ZYTX: N421456 E1231512 N423758 E1240028 N415850 E1243554 N412751 E1243158 N405451 E1240505 N404957 E1234501 N405148 E1230754 N411738 E1234322 N414413 E1235238 N415355 E1234057 N421456 E1231512 6 000 m ———————— GND	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	125.55 MHz (126.55 MHz)	H24	
ZYTXAP01 RWY24 in use at ZYTX: N421456 E1231512 N423758 E1240028 N415850 E1243554	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	125.55 MHz (126.55 MHz)	H24	不包括沈阳进近03号管制扇区 Exclude ZYTXAP03

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N412751 E1243158 N405451 E1240505 N404957 E1234501 N405148 E1230754 N412112 E1231528 N413029 E1231734 N421456 E1231512 6 000 m ———————— GND					
ZYTXAP02 RWY06 in use at ZYTX: N413835 E1220654 N421456 E1231512 N415355 E1234057 N414413 E1235238 N411738 E1234322 N405148 E1230754 N413835 E1220654 6 000 m ———————— GND	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	119.825 MHz (126.55 MHz)	by ATC 该扇区不工作时由沈阳进近01号扇区代替 Contact ZYTXAP01 when ZYTXAP02 U/S.	不包括沈阳进近03号管制扇区 Exclude ZYTXAP03
ZYTXAP02 RWY24 in use at ZYTX: N413835 E1220654 N421456 E1231512 N413029 E1231734 N412112 E1231528 N405148 E1230754 N413835 E1220654 6 000 m ———————— GND	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	119.825 MHz (126.55 MHz)	by ATC 该扇区不工作时由沈阳进近01号扇区代替 Contact ZYTXAP01 when ZYTXAP02 U/S.	不包括沈阳进近03号管制扇区 Exclude ZYTXAP03
ZYTXAP03 RWY06 in use at ZYTX: N414433 E1224359 N414018 E1232035 N415355 E1234057	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	121.225 MHz (126.55 MHz)	0400-1000 该扇区不工作时由沈阳进近01号扇区代替	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N414413 E1235238 N411738 E1234322 N412509 E1224039 N414433 E1224359 QNH 2 400 m ———————— GND				Contact ZYTXAP01 when ZYTXAP03 U/S.	
ZYTXAP03 RWY24 in use at ZYTX: N414433 E1224359 N420138 E1240450 N413937 E1240828 N412112 E1231528 N412509 E1224039 N414433 E1224359 QNH 2 400 m ———————— GND	沈阳进近管制室 Shenyang APP	沈阳进近 Shenyang Approach 中、英 Ch,En	121.225 MHz (126.55 MHz)	0400-1000 该扇区不工作时由沈阳进近 01 号扇区代替 Contact ZYTXAP01 when ZYTXAP03 U/S.	
9.台北飞行情报区 Taibei FIR					
10.乌鲁木齐飞行情报区 Urumqi FIR					
10.1 乌鲁木齐进近管制区 Urumqi Approach Control Area					
ZWWWAP01 N435756 E0884842 N433843 E0880905 N443726 E0863938 N444320 E0865934 N444455 E0881903 N443140 E0883034 N440431 E0885042 N435756 E0884842 6 000 m ———————— GND	乌鲁木齐进近管制室 Urumqi APP	乌鲁木齐进近 Urumqi Approach 中、英 Ch,En	120.25 MHz (119.9 MHz)	0230-1530 该扇区不工作时由乌鲁木齐进近 03 号扇区代替 Contact ZWWWAP03 when ZWWWAP01 U/S.	不包括乌鲁木齐进近 03、04 号管制扇区 Exclude ZWWWAP03/04
ZWWWAP02 N430707 E0863517 N431737 E0861208 N433644 E0860456	乌鲁木齐进近管制室 Urumqi APP	乌鲁木齐进近 Urumqi Approach	126.05 MHz (119.9 MHz)	0230-1530 该扇区不工作时由乌鲁木齐进近 01 号扇	不包括乌鲁木齐进近 03、04 号管制扇区 Exclude

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N434233 E0860713 N441451 E0861631 N441839 E0861644 N443317 E0862538 N443726 E0863938 N433843 E0880905 N433244 E0875643 N430707 E0863517 6 000 m ———————— GND		中、英 Ch,En		区代替 Contact ZWWWAP01 when ZWWWAP02 U/S.	ZWWWAP03/04
ZWWWAP03 N434213 E0874428 N435006 E0873033 N441436 E0871950 N442131 E0874720 N442029 E0881145 N440027 E0881744 N434213 E0874428 3 600 m ———————— GND	乌鲁木齐进近管制室 Urumqi APP	乌鲁木齐进近 Urumqi Approach 中、英 Ch,En	123.8 MHz (119.9 MHz)	H24	
ZWWWAP04 N434213 E0874428 N433743 E0871415 N435809 E0865602 N440900 E0870126 N441436 E0871950 N435006 E0873033 N434213 E0874428 3 600 m ———————— GND	乌鲁木齐进近管制室 Urumqi APP	乌鲁木齐进近 Urumqi Approach 中、英 Ch,En	127.9 MHz (119.9 MHz)	by ATC 该扇区不工作时由乌鲁木齐进近 03 号扇区代替 Contact ZWWWAP03 when ZWWWAP04 U/S.	
11.武汉飞行情报区 Wuhan FIR					
11.1 武汉进近管制区 Wuhan Approach Control Area					With ATC clearance, visual separation is implemented.

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZHHHAP01 N313316 E1125045 N310021 E1132710 N305724 E1135923 N304440 E1141616 N303349 E1143034 N290200 E1143400 N292332 E1130723 N293011 E1123952 N301718 E1121618 N310545 E1122356 N313316 E1125045 6 000 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	121.2 MHz (119.15 MHz)	H24	不包括武汉进近03号管制扇区 Exclude ZHHHAP03
ZHHHAP02 N314657 E1154331 N300500 E1155600 N290200 E1143400 N303349 E1143034 N304440 E1141616 N305416 E1142559 N314657 E1154331 6 000 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	126.3 MHz (125.6 MHz)	0000-1430 该扇区不工作时由武汉进近01号扇区代替 Contact ZHHHAP01 when ZHHHAP02 U/S.	不包括武汉进近05、06号管制扇区及鄂州塔台管制区 Exclude ZHHHAP05/06 and Ezhou TWR
ZHHHAP03 N310035 E1135438 N303154 E1143212 N301833 E1141832 a clockwised arc with radius of 40KM centered at N303252 E1135948 N304709 E1134059 N310035 E1135438 3 600 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	119.575 MHz (119.15 MHz)	by ATC 该扇区不工作时由武汉进近01号扇区代替 Contact ZHHHAP01 when ZHHHAP03 U/S.	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
ZHHHAP04 N313316 E1125045 N321939 E1133646 N320730 E1140412 N323223 E1145929 N322804 E1154359 N321100 E1154030 N314657 E1154331 N305416 E1142559 N304440 E1141616 N305724 E1135923 N310021 E1132710 N313316 E1125045 6 000 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	120.8 MHz (121.2 MHz)	by ATC 该扇区不工作时由武汉进近02号扇区代替 Contact ZHHHAP02 when ZHHHAP04 U/S.	不包括武汉进近05号管制扇区 Exclude ZHHHAP05
ZHHHAP05 N311415 E1140837 a clockwised arc with radius of 40KM centered at N305954 E1142728 N304531 E1144613 N303154 E1143212 N310035 E1135438 N311415 E1140837 3 600 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	Nil (Nil)	by ATC 该扇区不工作时由武汉进近03号扇区代替 Contact ZHHHAP03 when ZHHHAP05 U/S.	
ZHHHAP06 N304856 E1144952 N295705 E1143924 N295147 E1151347 N304400 E1152400 N304856 E1144952 QNH 2 400 m ———————— GND	武汉进近管制室 Wuhan APP	武汉进近 Wuhan Approach 中、英 Ch,En	119.8 MHz (119.475 MHz)	by ATC 该扇区不工作时由武汉进近02号扇区代替 Contact ZHHHAP02 when ZHHHAP06 U/S.	不包括鄂州塔台管制区 Exclude Ezhou TWR

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
11.2 郑州进近管制区 Zhengzhou Approach Control Area					With ATC clearance, visual separation is implemented.
ZHCCAP01 N352645 E1132817 N344424 E1122348 N342618 E1121130 N333905 E1122916 N333344 E1130125 N332404 E1135939 N331714 E1142715 N332855 E1144432 N335403 E1150022 N343338 E1145032 N344130 E1144512 N353121 E1141500 N352645 E1132817 5 700 m ———————— 3 600 m(exclusive)	郑州进近管制室 Zhengzhou APP	郑州进近 Zhengzhou Approach 中、英 Ch,En	120.275 MHz (124.2 MHz)	by ATC	
ZHCCAP02 N353121 E1141500 N342752 E1140338 N341105 E1134852 N333344 E1130125 N333905 E1122916 N342618 E1121130 N344424 E1122348 N352645 E1132817 N353121 E1141500 3 600 m ———————— GND	郑州进近管制室 Zhengzhou APP	郑州进近 Zhengzhou Approach 中、英 Ch,En	126.35 MHz (124.2 MHz)	H24	
ZHCCAP03 N353121 E1141500 N342752 E1140338 N341105 E1134852	郑州进近管制室 Zhengzhou APP	郑州进近 Zhengzhou Approach 中、英	124.825 MHz (124.2 MHz)	H24	

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名称、水平范围、垂直范围 Name Lateral limits Vertical limits	提供服务的单位 Unit providing service	呼号、语言 Call sign Languages	频率 （备用频率） Frequency (SEC FREQ)	服务时间 Hours of service	备注 Remarks
N333344 E1130125 N332404 E1135939 N331714 E1142715 N332855 E1144432 N335403 E1150022 N343338 E1145032 N344130 E1144512 N353121 E1141500 3 600 m ———————— GND		Ch,En			

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ENR2.1.6 其他规定

2.1.6.1 三亚飞行情报区、管制区飞行规定

1. 飞行规定

1.1 岛内空域的飞行适用《中华人民共和国飞行基本规则》等国内规章；洋区空域的飞行适用国际民航组织有关标准和建议措施。

1.2 岛内空域的飞行，其飞行高度、距离和速度使用中国 AIP 中规定的公制计量单位；洋区空域的飞行采用英制计量单位。

1.3 三亚飞行情报区的边界点、洋区空域内的航路点和管制移交点的坐标均采用 WGS-84 坐标。

1.4 洋区空域:

a.管制空域:14 000 英尺以上空域;

b.管制空域以外空域(除限制区和危险区以外): 13 000 英尺以下空域;

1.5 所有进入三亚飞行情报区的飞行应在指定报告点前 5 分钟内与三亚区域管制建立双向无线电通信。

2. 三亚飞行情报区海洋低空空域飞行规定

2.1 总则

2.1.1 本规定适用于在三亚飞行情报区海洋低空空域

ENR2.1.6 Other rules

2.1.6.1 Rules relating to flights within Sanya FIR/CTA

1. Flight rules

1.1 Flights within island airspace shall apply the domestic regulations and rules, such as General Flight Rules of the People's Republic of China; flights within oceanic airspace shall apply ICAO Standards and Recommended Practices.

1.2 Flights within island airspace shall apply the metric system for flight level, distance and speed as specified in AIP China; flights within oceanic airspace shall follow the British System.

1.3 The coordinates on the boundary of the Sanya FIR, the waypoints and the transfer of control points within oceanic airspace adopt WGS-84.

1.4 Oceanic airspace:

a. Controlled airspace: Airspace above 14 000ft;

b. Airspace outside controlled airspace(Exclude restricted area and danger areas): Airspace below 13 000ft.

1.5 All flights entering the Sanya FIR should establish two-way radio communication with Sanya ACC within five (5) minutes before designated reporting points.

2. Oceanic Low-level Airspace in the Sanya FIR

2.1 General

2.1.1 These provisions are applicable to aircraft

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内飞行的航空器。根据国际民用航空公约及其附件的有关标准和建议措施，空中交通管制部门仅向该空域内的航空器提供所需的飞行情报服务和告警服务。航空器在此空域内飞行时，与其他航空器或障碍物之间的安全距离由航空器驾驶员负责。

operating in the Oceanic Low-level Airspace in the Sanya FIR. Only the required flight information service and alerting service are provided to aircraft in this airspace according to the pertinent International Standards and Recommended Practices contained in the Convention on International Civil Aviation and its Annexes. Maintaining safe separation with other aircraft or obstacles is the responsibility of the pilot of the aircraft when aircraft are operating in this airspace.

2.1.2 本规定除特别注明外，高度基准面为标准大气压 1013.2 百帕。

2.1.2 Unless indicated otherwise, the altitude reference surface shall be 1013.2 Hectopascals (standard atmospheric pressure).

2.2 空域范围三亚飞行情报区海洋低空空域水平范围为：N1930 E11130 - N1823 E11230 - N1640 E11400 - N1430 E11400 - N1430 E11200 - N1600 E1101734 - N1740 E10826 - N1740 E10940 - N1930 E11130 连线范围。垂直范围为：13 000 英尺（4 000 米）及以下，其中限制区和危险区除外。

2.2 Scope of the airspaceThe lateral limits of the Oceanic Low-level Airspace in the Sanya FIR is delineated by connecting the following geographical coordinates: N1930 E11130; N1823 E11230; N1640 E11400; N1430 E11400; N1430 E11200; N1600 E1101734; N1740 E10826; N1740 E10940; N1930 E11130. The vertical limits is 13,000 feet (4 000 meters) and below except for restricted areas and danger areas.

2.3 飞行规则

2.3 Flight rules

2.3.1 三亚飞行情报区海洋低空空域内按仪表飞行规则（IFR）飞行的航空器，其巡航高度层应当按照国际民用航空公约附件二规定的仪表飞行规则巡航高度层配备。

2.3.1 The cruising level of aircraft operating in the Oceanic Low-level Airspace in the Sanya FIR under instrument flight rules (IFR) shall be allotted according to instrument flight rules specified in Annex 2 to the Convention on International Civil Aviation.

2.3.2 三亚飞行情报区海洋低空空域内按目视飞行规则（VFR）飞行的航空器，其巡航高度层应当按照国

2.3.2 The cruising level of aircraft operating in the Oceanic Low-level Airspace in the Sanya FIR under

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际民用航空公约附件二规定的目视飞行规则的巡航高度层配备。

visual flight rules (VFR) shall be allotted according to visual flight rules specified in Annex 2 to the Convention on International Civil Aviation.

2.3.3 在三亚飞行情报区海洋低空空域内，航空器按目视飞行规则飞行，应当遵守下列规定:

2.3.3 Aircraft operating in the Oceanic Low-level Airspace in the Sanya FIR under VFR shall comply with the following provisions:

2.3.3.1 在平均海平面高度 3 050 米（10 000 英尺）或以上飞行时，航空器离云的水平距离不小于 1 500 米，垂直距离不小于 300 米（1 000 英尺），能见度不小于 8 千米。

2.3.3.1 Aircraft, when operating at or above 3 050m (10 000ft) (AMSL), shall keep a distance from the cloud not less than 1 500m horizontally and 300m (1 000ft) vertically, and the visibility shall not be less than 8km.

2.3.3.2 在平均海平面高度 3 050 米（10 000 英尺）以下飞行时，航空器离云的水平距离不小于 1 500 米，垂直距离不小于 300 米（1 000 英尺），能见度不小于 5 千米。

2.3.3.2 Aircraft, when operating below 3 050m (10 000ft) (AMSL), shall keep a distance from the cloud not less than 1 500m horizontally and 300m (1 000ft) vertically, and for which the visibility shall not be less than 5km.

2.3.3.3 当航空器在平均海平面高度 900 米（3 000 英尺）及以下时，应保持在云外且能见海面或地面飞行，能见度应当不小于 5 千米。

2.3.3.3 The flight visibility shall not be less than 5km for aircraft that are operating at or below 900m (3 000ft) (AMSL) meanwhile keeping clear of clouds and in visual contact of the sea surface or ground surface.

2.3.3.4 当航空器在平均海平面高度 900 米（3 000 英尺）及以下，保持在云外飞行，且指示空速（IAS）不大于 140 海里/小时（250 千米/小时），能保证航空器驾驶员有足够的时间观察并避让其他的航空器或者障碍物时，能见度应当不小于 1 500 米。

2.3.3.4 The flight visibility shall not be less than 1 500m for aircraft that are operating at or below 900m (3 000ft) (AMSL) meanwhile keeping clear of clouds and at an indicated airspeed (IAS) of not more than 140kt (250km/h) with sufficient time ensured for the pilot to observe and avoid other aircraft or obstacles.

2.3.3.5 当直升机在平均海平面高度 900 米（3 000 英尺）及以下，并保持在云外飞行，且飞行速度能保证航空器驾驶员有足够的时间观察并避让其他的航空

2.3.3.5 The flight visibility may be less than 1 500m for helicopters that are operating at or below 900m (3 000ft) (AMSL) meanwhile keeping clear of clouds and the

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器或者障碍物时，允许能见度小于 1 500 米。

flying speed of which can ensure that the pilot has sufficient time to observe and avoid other aircraft or obstacles.

2.3.4 航空器在平均海平面高度 3 050 米（10 000 英尺）以下飞行时，其速度限制为指示空速（IAS）不得大于 250 海里/小时（463 千米/小时）。

2.3.4 Aircraft operating below 3 050m (10 000ft) (AMSL) shall not fly at an indicated airspeed (IAS) of more than 250kt (463km/h).

2.3.5 按照仪表飞行规则（IFR）飞行的航空器在三亚飞行情报区海洋低空空域内飞行时，应当与三亚管制中心建立持续的双向通信联系。在海洋低空空域内按照目视飞行规则（VFR）飞行的航空器，应当守听三亚区域管制中心指定的频率，并在需要时与三亚区域管制中心建立通信联系。

2.3.5 Aircraft operating in the Oceanic Low-level Airspace in the Sanya FIR under IFR shall establish constant two-way communication contact with Sanya Area Control Center. Aircraft operating in Oceanic Low-level Airspace in Sanya FIR under VFR shall keep a constant watch on the frequency specified by Sanya Area Control Center and make contacts therewith when necessary.

2.4 运行管理

2.4 Operational Management

2.4.1 三亚区域管制中心对在三亚飞行情报区海洋低空空域内飞行的航空器不提供空中交通管制服务，即不配备管制间隔及发布空中交通管制许可。如航空器驾驶员需要，可以向三亚区域管制中心申请，以获得有关飞行情报服务和告警服务。

2.4.1 Sanya Area Control Center does not provide air traffic control service to aircraft operating in the Oceanic Low-level Airspace in the Sanya FIR, which means no controlled separation is provided and no air traffic control clearance is issued. The pilot may, as he needs, request relevant flight information service and alerting service from Sanya Area Control Center.

2.4.2 在三亚飞行情报区海洋低空空域内按照仪表飞行规则（IFR）飞行的航空器，应当在预计起飞时间 1 小时前，向三亚区域管制中心提交飞行计划。

2.4.2 Aircraft intending to operate in the Oceanic Low-level Airspace in the Sanya FIR under IFR shall file a flight plan to Sanya Area Control Center one hour before the estimated time of departure.

2.4.3 进出三亚飞行情报区海洋低空空域的航空器在穿越水平边界时，必须与三亚区域管制中心建立双向

2.4.3 Aircraft intending to enter or leave the Oceanic Low-level Airspace in the Sanya FIR shall establish

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通信联系，向三亚区域管制中心报告。

two-way communication contact with Sanya Area Control Center and make reports thereto before crossing the horizontal boundaries.

2.4.4 从三亚飞行情报区海洋低空空域进入三亚飞行情报区海洋管制空域的航空器，应当在预计进入前 10 分钟与三亚区域管制中心建立双向通信联系，提出申请并说明飞行高度层、预计进入时间及进入点，以取得管制许可。

2.4.4 Aircraft intending to enter the Oceanic Controlled Airspace in the Sanya FIR from the Oceanic Low-level Airspace in the Sanya FIR shall, in order to obtain a control clearance, establish two-way communication contact 10 minutes before the estimated time of entry with Sanya Area Control Center and make the request providing such information as flight level, estimated time of entry and entry point.

2.4.5 在三亚飞行情报区海洋低空空域内飞行的航空器，只有在与三亚区域管制中心建立双向通信联系并获得管制许可的情况下，方可以在距离岛内管制空域边界 20 海里（37 千米）的范围内飞行。

2.4.5 Only after two-way communication contact has been established with, and a control clearance obtained from Sanya Area Control Center, may an aircraft in the Oceanic Low-level Airspace in the Sanya FIR operate in the area of 20nm(37km) from the boundary of the Controlled Airspace above Hainan Island.

2.4.6 配备 A/C 模式或 S 模式二次雷达应答机的航空器在三亚飞行情报区海洋低空空域内飞行时，应当打开机载应答机。应答机编码按照空中交通管制员指定的编码进行设置，或者按照仪表飞行规则（IFR）飞行的航空器，应答机编码设置为 A2000，按照目视飞行规则（VFR）飞行的航空器，应答机编码设置为 A1200。

2.4.6 Aircraft equipped with A/C mode or S mode transponders of Secondary Radar, when operating in the Oceanic Low-level Airspace in the Sanya FIR, shall set their transponders on, and set the transponder codes assigned by the air traffic controller, or A2000 in case of IFR operations and A1200 in case of VFR operations.

2.5 通信

2.5 Communications

2.5.1 三亚飞行情报区海洋低空空域内指定的频率：

2.5.1 Frequencies prescribed for use in the Oceanic Low-level Airspace in the Sanya FIR:

02 号扇区：

ZJSY AR02:

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甚高频（VHF）: 122.6（123.65）MHZ

高频（HF）:

11396KHZ（日频）

3485KHZ（夜频）

5655KHZ（备频）

应急频率: 121.5MHZ。

03 号扇区:

甚高频（VHF）: 130.2（134.4）MHZ

高频（HF）:

8942KHZ（日频）

5649KHZ（夜频）

13309KHZ（备频）

应急频率: 121.5MHZ。

三亚区域管制中心联系方式:

电话: (+86)-898-65751408

传真: (+86)-898-65751400

3. 三亚飞行情报区飞行计划要求

3.1 飞行计划提交程序

3.1.1 所有进入三亚飞行情报区的航空器，必须填写飞行计划并发至三亚区域管制中心(ZJSAZRZX)、民航中南管理局调度室(ZGGGZBZX)、中国民用航空局空中交通管理局运行管理中心(ZBBBOGXX)和中国民用航空局运行监控中心运行监控处（ZBBBZGZX），飞行计划必须依照国际民航组织文件 DOC4444 RAC/501 有关规定填写。

VHF:122.6(123.65)MHZ

HF:

11396KHZ(HJ)

3485KHZ(HN)

5655KHZ(HO)

Emergency frequency: 121.5MHZ.

ZJSY AR03:

VHF:130.2(134.4)MHZ

HF:

8942KHZ(HJ)

5649KHZ(HN)

13309KHZ(HO)

Emergency frequency: 121.5MHZ.

Numbers for contact with Sanya Area Control Center:

Telephone: (+86)-898-65751408

Facsimile: (+86)-898-65751400

3. Flight Planning Requirement for Sanya FIR

3.1 Procedures for the submission of flight plans

3.1.1 All aircraft intending to fly within the Sanya FIR must file a flight plan to Sanya ACC (ZJSAZRZX), the Regional Administration of Civil Aviation of Middle-South China (ZGGGZBZX),Operations Management Center of ATMB of CAAC(ZBBBOGXX), and Operation Supervisory Division of Operation Supervisory Center of CAAC(ZBBBZGZX).The flight plan must be submitted in accordance with the provisions of ICAO DOC 4444 RAC/501.

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3.1.2 所有在三亚飞行情报区内机场起降的航空器，以及飞经三亚飞行情报区内空中交通服务航路 A202 的国家航空器，应按照现行飞行计划申请程序，预先从中国民用航空局获得许可，详见中国 AIP CHINA, GEN 1.2。

3.1.2 All aircraft departing from or landing at airports within Sanya FIR, and state aircraft intending to operate on ATS route A202,shall get prior approval from CAAC in accordance with the existing flight plan application procedures, which are detailed in GEN 1.2 of AIP China.

3.1.3 计划在 A202 航路上运行的定期航班的航空器营运人应提前 2 个月将各季度的航班时刻表提交到 ZBBBZGZX、ZGGGZBZX、ZBBBCJXX 和 ZJSAZRZX，得到批准后方可实施。对于在 A1、L642、M771 和 N892 航路上运行的定期航班，航空器运营人也需提前2个月将各季度的航班时刻表提交到上述地址，但不需得到批准。

3.1.3 Operators of scheduled flights intending to operate on route A202 shall submit the flight schedule of each season to ZBBBZGZX, ZGGGZBZX, ZBBBCJXX and ZJSAZRZX two months in advance, the operation can be carried out only if approval has been given. For scheduled flights operating on routes A1, L642, M771 and N892, operators are requested to also submit the flight schedule of each season to the above addresses two months in advance. However, no approval will be necessary for these flights to operate.

3.1.4 计划在 A202 航路上运行的非定期航班的航空器营运人应提前 3 天向 ZBBBZGZX、ZGGGZBZX 和 ZJSAZRZX 提交飞行申请，得到批准后方可实施。对于在 A1、L642、M771 和 N892 航路上运行的非定期航班，不需要事先申请批准。

3.1.4 Operators of non-scheduled flights intending to operate on A202 shall submit the flight application to ZBBBZGZX, ZGGGZBZX and ZJSAZRZX three days in advance, the operation can be carried out only if approval has been given. For non-scheduled flights operating on routes A1, L642, M771 and N892, no prior application for approval will be necessary.

3.1.5 所有计划在三亚飞行情报区内运行的航空器营运人应至少在预计起飞时间前60分钟提交飞行计划。

3.1.5 For all aircraft intending to operate within the Sanya FIR, operators shall file the flight plan at least 60 minutes prior to the estimated time of departure.

3.1.6 任何计划进入或飞越三亚飞行情报区的航空器，若其国籍登记代码/号码与飞行计划表格第 7 项中

3.1.6 Any aircraft planning to enter or transit the Sanya FIR must insert in Item 18 of the flight plan form the

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的航空器识别标志不一致，必须在飞行计划表格第 18 项中填入其国籍登记代码/号码，同时填入到达三亚飞行情报区积累的预计经过时间（EET）。

national registration letters/numbers of the aircraft if different from the aircraft identification in Item 7, and fill the accumulated estimated elapsed time (EET) to the Sanya FIR.

3.2 区域导航航路和 RNP10 导航要求

在区域导航航路 L642、M771、和 N892 上运行的航空器必须满足 RNP10 要求，并在国际民航组织飞行计划表格第 10 项中标注字母“R”以表明其导航性能满足要求。如果航空器必须使用 L642、M771 或 N892 航路但不能满足 RNP10 的最低导航要求，则必须在 FL280 或以下高度运行，除非事先得到 ATC 的允许可以使用其他高度。无 RNP 认证的航空器的驾驶员可在飞行计划表格第 18 项中填入 RMK/REQ FL（填入高度层）以表明其所愿意飞的较高的高度。然而，能否选择喜欢的高度层取决于 ATC 的协调和指令。

3.2 RNAV Routes and RNP 10 Navigation Requirements

Aircraft intending to operate on RNAV routes L642, N892 and M771 must meet the requirements of RNP 10 approved and must indicate their RNP approval with the letter 'R' in Item 10 of the ICAO Flight Plan. If an aircraft must file flight plan of routes L642, M771 or N892 and can not meet the minimum navigation requirements of RNP10, they must operate at or below FL280 unless prior approval for other flight levels has been obtained from ATC. Pilots of Non-RNP approved aircraft may indicate their preferred higher altitude in Item 18 of the ICAO Flight Plan as RMK/REQ FL (insert level). However, approval to operate at the preferred level will be subject to ATC coordination and clearance.

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2.1.6.2 北京管制区、北京进近管制区和天津进近管制区飞行规定

1. 区域图：见 ENR 6.3.1。

2. 进、出北京/首都机场的飞行规定

3. 北京进近管制区管制规定

3.1 任何航空器，在任何情况下都严禁飞入北京市禁区。

北京市禁区：见 ENR 6.3.1。

3.2 管制交接点

3.2.1 进近与区域管制的交接点

正常情况下，航空器飞越北京进近管制区进出点（导航台）上空时进行交接。

3.2.2 进近管制扇区之间以及塔台与进近管制扇区的管制交接点由空中交通管制部门决定。

3.3 凡来往首都机场的航空器必须按规定频率与北京进近管制室和塔台进行联系并听从其指令。

3.4 进出北京进近管制区的航空器，必须与北京进近管制室联系，严格按规定（指挥）飞行。

2.1.6.2 Rules relating to flights within Beijing control area, Beijing approach control area and Tianjin approach control area

1. Area chart: See ENR 6.3.1.

2. Flight rules for aircraft inbound to/outbound from BEIJING/Capital airport

3. Air traffic control rules within Beijing approach area

3.1 Flight into Beijing Prohibited Area by any aircraft is prohibited in whatever circumstances.

Beijing Prohibited Area: Refer ENR 6.3.1 for details.

3.2 Transfer of control points

3.2.1 Between Approach Control and Area Control

The transfer of control points between Approach Control and Area control are at entry and exit points (Navigation facilities) of Beijing Approach Control Area.

3.2.2 The transfer of control points between Approach Control Sectors, and the transfer of control points between Approach Control Sectors and Tower control will be informed by ATC.

3.3 Inbound and outbound aircraft shall establish radio contact with Beijing Approach Control Office and Beijing Tower Control Office on the specified frequencies and follow their instructions.

3.4 Aircraft when entering or leaving Beijing Approach Control Area shall establish radio contact with Beijing Approach Control Office and conduct the flight strictly in conformity to the rules stated herein or instructions issued by ATC.

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2.1.6.3 广州管制区、广州进近管制区和珠海终端管制区飞行规定

1. 区域图：见 ENR6.3.2。

2. 珠海终端管制区高度表拨正程序规定

2.1 珠海终端管制区修正海平面气压(QNH)值

珠海终端管制区修正海平面气压(QNH)值以深圳/宝安机场修正海平面气压(QNH)值为准。

2.2 过渡高度和过渡高度层

过渡高度：2 700 米(珠海终端管制区修正海平面气压(QNH))。

过渡高度层:

a.3 300 米(当珠海终端管制区修正海平面(QNH)为 980 百帕(含)以上时)。

b.3 600 米(当珠海终端管制区修正海平面气压(QNH)为 980 百帕以下时)。

2.3 高度表拨正程序

2.3.1 航空器进场和着陆

a.当航空器进入珠海终端管制区且高度在过渡高度层(含)以上时，高度表拨正值调整为标准大气压 1013.2 百帕。

b.当航空器在珠海终端管制区内离开(或穿越)过渡高度层下降或在过渡高度层以下进入珠海终端管制区时，高度表拨正值调整为珠海终端管制区修正海平面气压(QNH)。

c.当航空器向珠海终端管制区内的机场和直升机场起

2.1.6.3 Rules relating to flights within Guangzhou control area, Guangzhou approach control area and Zhuhai terminal control area

1. Area chart: See ENR 6.3.2.

2. Altimeter setting procedures in Zhuhai terminal control area

2.1 The value of Zhuhai terminal control area QNH

When using Zhuhai terminal control area QNH, the value shall be in conformity with Shenzhen/Baoan aerodrome QNH.

2.2 Transition altitude and transition level

Transition altitude: 2 700m (Zhuhai terminal control area QNH).

Transition level:

a. 3 300m (when Zhuhai terminal control area QNH is 980hPa or above).

b. 3 600m (when Zhuhai terminal control area QNH is below 980hPa).

2.3 Altimeter setting procedures

2.3.1 Approach and landing

a. When aircraft entering Zhuhai terminal control area at or above transition level, the altimeter should be set to 1013.2hPa.

b. When aircraft entering Zhuhai terminal control area below transition level or descending from or passing through transition level wherein, the altimeter should be set to Zhuhai terminal control area QNH then.

c. When aircraft approaching to an aerodrome or touch

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降点进近，进入中间进近航段时，高度表拨正值调整为着陆机场的修正海平面气压(QNH)。

down and lift-off area of heliport within Zhuhai terminal control area, and intercepting intermediate approach segment, the altimeter should be set to QNH of the landing aerodrome or heliport.

2.3.2 航空器起飞和离场

2.3.2 Take-off and departure

a.航空器起飞前，高度表拨正值调整为起飞机场的修正海平面气压(QNH)。

a. Before take-off, the altimeter should be set to QNH of the take-off aerodrome.

b.航空器起飞后，按照空中交通管制指令将高度表拨正值调整为珠海终端管制区的修正海平面气压(QNH)。

b. After take-off, the altimeter should be set to Zhuhai terminal control area QNH by ATC instruction.

c.当航空器上升通过过渡高度时,将高度表拨正值调整为标准大气压 1013.2 百帕。

c. Upon reaching the transition altitude, the altimeter should be set to 1013.2hPa.

d.航空器在珠海终端管制区内的机场进行本场训练时，根据实际情况，按照该机场空中交通管制的要求，其高度表拨正值选用本场修正海平面气压(QNH)或珠海终端管制区的修正海平面气压(QNH)。

d. Aircraft operating flight exercise in an aerodrome within Zhuhai terminal control area, the altimeter may be set to the aerodrome QNH or Zhuhai terminal control area QNH and the selection should be instructed by ATC unit according to the actual condition.

3. 进出澳门机场，珠海进近与香港、澳门的管制交接点,参阅 ENR 2.2.2.5(澳门机场进、离场图)

3. The transfer of control points between Zhuhai approach, Hong Kong and Macao when aircraft inbound or outbound Macao airport, Refer ENR 2.2.2.5(STAR/SID of VMMC)

3.1 澳门机场 34 号跑道进场

3.1 Arrival of Macao RWY34

CON-6A、NLG-5A、NLG-7A、POU-6A、POU-8A: 珠海进近向香港管制交接点为澳门 VOR;

CON-6A, NLG-5A, NLG-7A, POU-6A, POU-8A: Zhuhai Approach transfers to Hong Kong at Macao VOR;

BIGRO-6A、BIGRO-7A: 珠海进近向香港管制交接点为 ROMEO 点;

BIGRO-6A, BIGRO-7A: Zhuhai Approach transfers to Hong Kong at point ROMEO;

复飞：澳门向珠海进近管制交接点为复飞后开始右转

Missed approach: Macao transfers to Zhuhai Approach

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弯时；珠海进近向香港管制交接点为 R040° ZAO/D12.5 MCU 或 MC420。

when aircraft turning right; Zhuhai Approach transfers to Hong Kong at R040°ZAO/D12.5 MCU or MC420.

3.2 澳门机场 34 号跑道离场

澳门向珠海进近管制交接点为起飞后开始右转弯时；珠海进近向香港管制交接点参阅澳门 AIP 相关程序。

3.2 Departure of Macao RWY34

Macao transfers to Zhuhai Approach when aircraft turning right after take-off;

The point Zhuhai Approach transfers to HongKong refer related SID of Macao AIP.

3.3 澳门机场 16 号跑道进场

SMT-4B/5B、CHALI-3B/4B：香港向珠海进近管制交接点为 INDUS 点；

珠海进近向澳门管制交接点为 LATOP 或 MC510；

复飞：在 INDUS 点前香港向珠海进近管制交接。

3.3 Arrival of Macao RWY16

SMT-4B/5B、CHARLIE-3B/4B: Hong Kong transfers to Zhuhai Approach at point INDUS;

Zhuhai Approach transfers to Macao at LATOP or MC510;

Missed approach: Hong Kong transfers to Zhuhai Approach before point INDUS.

3.4 澳门机场 16 号跑道离场

在过飞行情报区边界时，香港向珠海进近管制交接。

3.4 Departure of Macao RWY16

When crossing the boundary of FIRs, Hong Kong transfers to Zhuhai Approach.

4. 广州进近管制区、珠海终端管制区管制规定

4. Air traffic control rules relating to flights within Guangzhou approach control area and Zhuhai terminal control area

4.1 在广州进近管制区内实施雷达管制，航空器最小水平雷达间隔如下：

4.1 Radar control within Guangzhou approach control area will be implemented, the minimum horizontal radar separations for aircraft areas follows:

a.在广州进近管制区内，高度 5 700 米(含)以下，不包括珠海终端管制区，航空器最小水平雷达间隔为 10 千米；

a. 10km within Guangzhou approach control area, the altitude limit is 5 700m or below(exclude Zhuhai TMA);

b.在广州进、离场航段，高度 3 000 米(含)以下，航空

b. 6km for arrival and departure routes, the altitude limit

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器最小水平雷达间隔为 6 千米。

4.2 进入广州/白云机场的航空器，至少在进入走廊前 5 分钟与白云塔台或广州进近沟通联络，并报告航空器位置、航向、高度和预计到达时间，严格按白云塔台或广州进近管制员的指挥飞行。当机组与白云塔台或广州进近联络不通时，除在白云塔台或广州进近频率上继续守听外，机组必须在广州区域管制频率上与广州区域管制联系，并严格按其指挥飞行。未经许可，严禁改变飞行高度。

4.3 在澳门管制地带内飞行，航空器的垂直位置按中国澳门的有关规定表示。

4.4 在广州情报区和香港情报区之间，同航线、同高度的航空器在通过管制交接点时，两机最小纵向间隔为 10 分钟。

4.5 澳门机场进、离场的航空器两机最小纵向间隔进场：同航线、同高度的航空器在通过珠海进近与香港管制交接点时，两机最小纵向间隔为 5 分钟(或 30 海里)；离场：同航线、同高度的航空器在通过澳门与珠海进近管制交接点时，两机最小纵向间隔为 5 分钟。

is3 000m or below.

4.2 Aircraft inbound to GUANGZHOU/Baiyun Airport shall establish radio contact with the Baiyun Tower or the Guangzhou Approach at least 5 minutes before entering the corridors, reporting aircraft position, heading, altitude and estimated time of arrival and shall conduct the flight strictly in accordance with the Baiyun tower or the Guangzhou approach controller's instructions. If unable to contact the Baiyun tower or the Guangzhou approach, the aircrew shall contact Guangzhou ACC on the Guangzhou ACC frequency while maintaining a continuous watch on the Baiyun tower or the Guangzhou approach frequency and shall conduct the flight strictly in accordance with the instructions received therefrom. No change of altitude is allowed without permission.

4.3 Vertical position of aircraft operating within Macao ATZ is expressed according to the rules of China Macao.

4.4 For aircraft flying between Guangzhou FIR and Hong Kong FIR at same level and on same route, minimum longitudinal separation shall be 10 minutes when aircraft crossing the transfer of control point;

4.5 For aircraft arriving at or departing from Macao at same level and on same routeArrival: Minimum longitudinal separation shall be 5 minutes(or 30 NM) when aircraft crossing the transfer of control point between Zhuhai Approach and Hong Kong;Departure: Minimum longitudinal separation shall be 5 minutes

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when aircraft crossing the transfer of control point between Macao and Zhuhai Approach;

4.6 第 4.4 和第 4.5 项中的两机最小纵向间隔经 ATC 许可，可适当缩小。

4.6 The minimum longitudinal separations mentioned in item 4.4 and item 4.5 may be properly reduced when it is permitted by ATC unit.

4.7 根据管制移交的需要并确保航空器按时过移交点，要求飞越广州至香港着陆或飞越广州、香港至香港以远的航空器，在飞越百色、醴陵和蟠龙 VOR 时，在向广州空中交通管制部门报告位置的同时，必须报告预计飞越 TAMOT 或 SIERA 点的时间。一经广州空中交通管制部门确定该航空器飞越 TAMOT 或 SIERA 点的时间和高度层，则机组必须按照执行，不得任意改变。

4.7 In accordance with the requirements for transfer of control and to ensure aircraft to cross transfer of control points at specified time, aircraft overflying Guangzhou and landing at Hong Kong or overflying Guangzhou and Hong Kong to a point beyond Hong Kong are required to report to Guangzhou ATC unit, when over BOSE VOR, Liling VOR or Panlong VOR, giving position report and ETO TAMOT or SIERA. Once the time and altitude of crossing TAMOT or SIERA are determined by Guangzhou ATC unit, they shall be compiled with by the pilot of the aircraft concerned and no change is permitted.

4.8 为便于雷达识别和飞行调配，航空器须在飞越管制交接点 BEKOL、TAMOT、SIERA 和 SIKOU 前至少 3 分钟与下一管制单位建立联系。

4.8 In order to facilitate radar identification and air traffic control, aircraft shall establish contact with the next ATC unit at least 3 minutes prior to crossing such transfer of control points as BEKOL, TAMOT, SIERA and SIKOU.

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2.1.6.4 上海管制区、上海进近管制区和杭州进近管制区飞行规定

1. 区域图：见 ENR 6.3.3。

2.1.6.4 Rules relating to flights within Shanghai control area, Shanghai approach control area and Hangzhou approach control area

1. Area chart: See ENR 6.3.3

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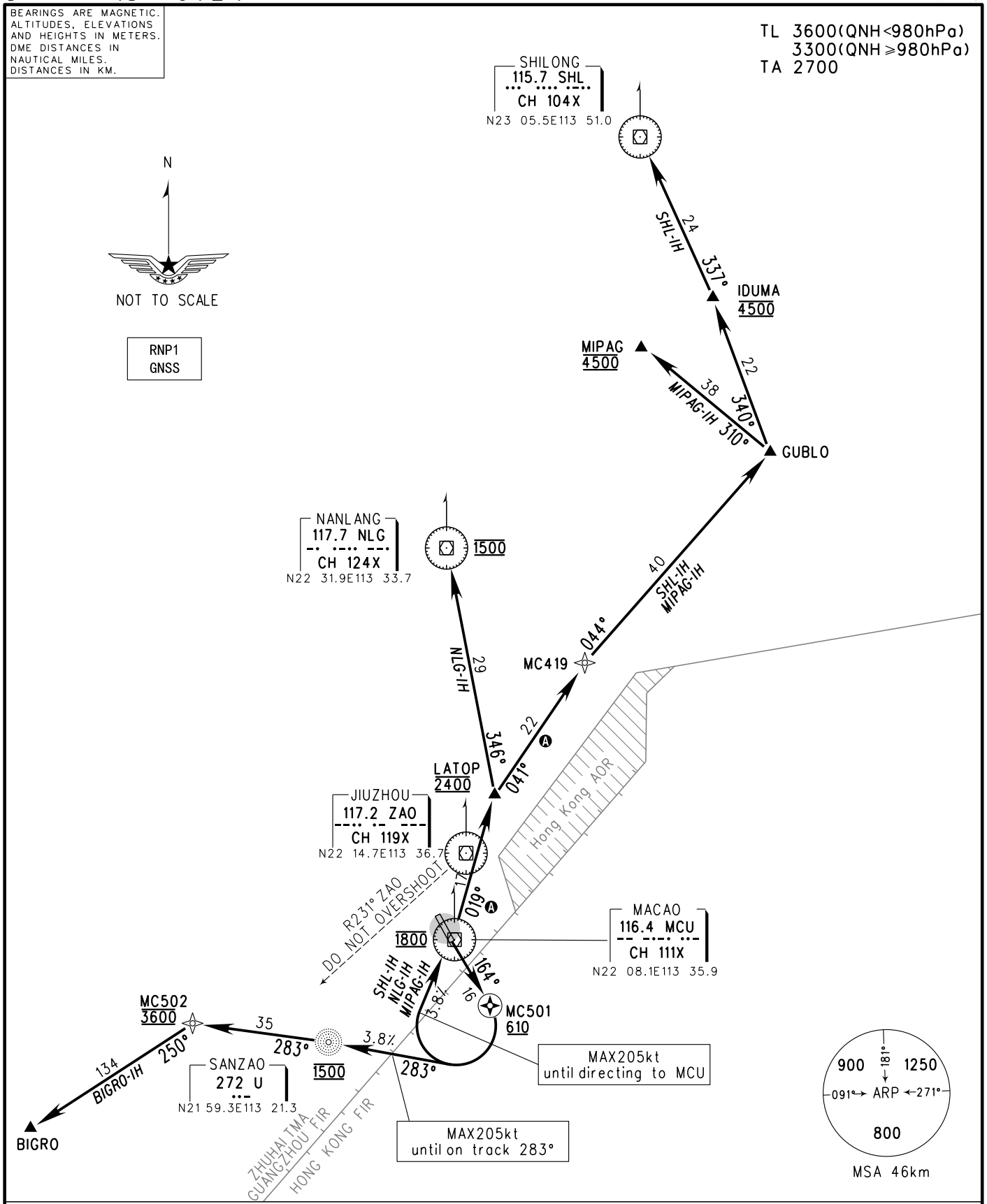
STANDARD DEPARTURE CHART-INSTRUMENT

VAR3° W

Zhuhai APP: 123.85(120.35)

MACAO/Macao
RNP RWY16



Note: (1) Departure turn MAX IAS205kt. (2) For other relevant information on MACAO, refer to MACAO AIP.
Ⓐ Deviation to southeast of track not permitted.

Changes: Chart number.

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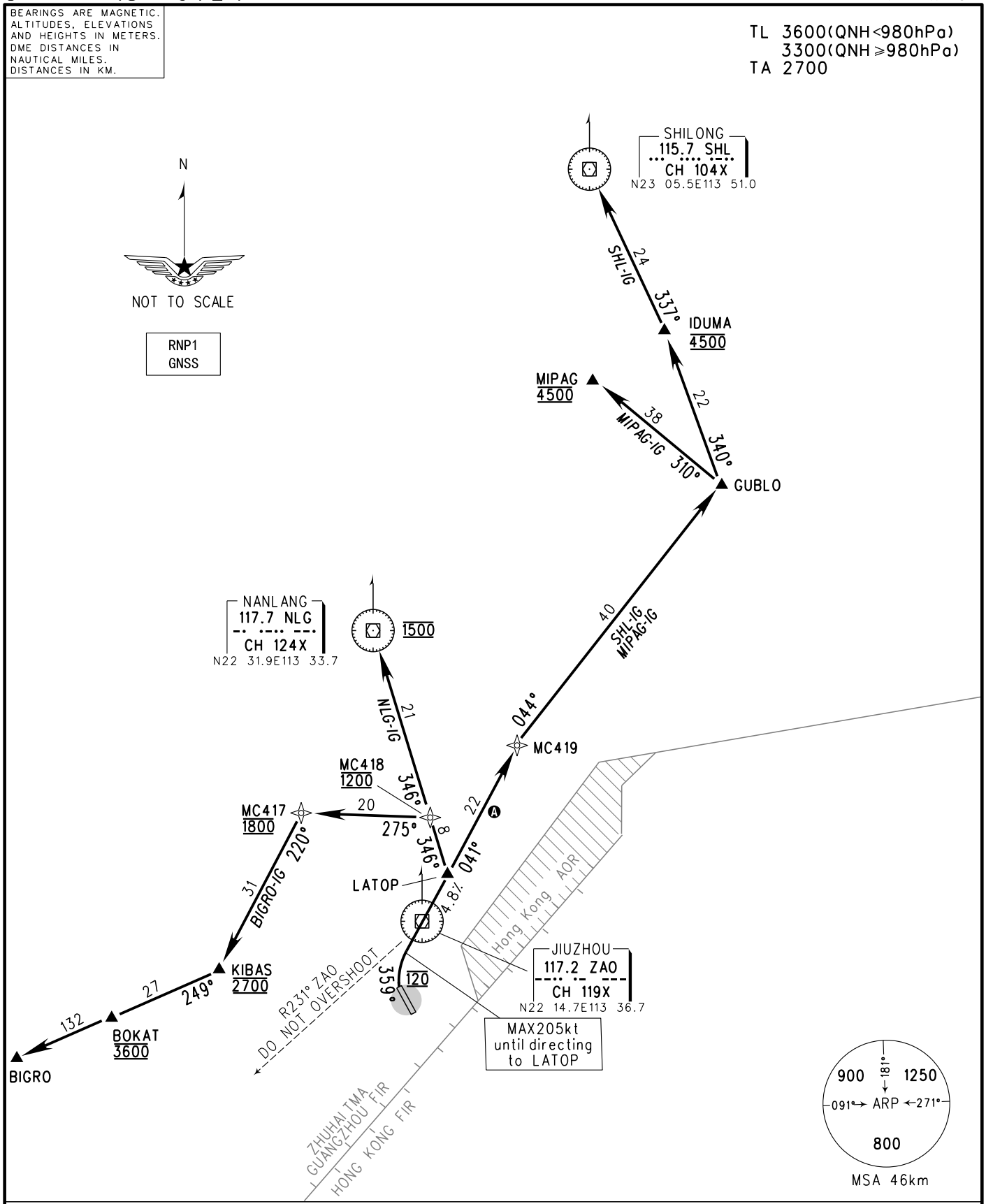
STANDARD DEPARTURE CHART-INSTRUMENT

VAR3° W

Zhuhai APP: 123.85(120.35)

MACAO/Macao
RNP RWY34



Note: (1) Departure turn MAX IAS205kt. (2) For other relevant information on MACAO, refer to MACAO AIP.
Ⓐ Deviation to southeast of track not permitted.

Changes: Chart number.

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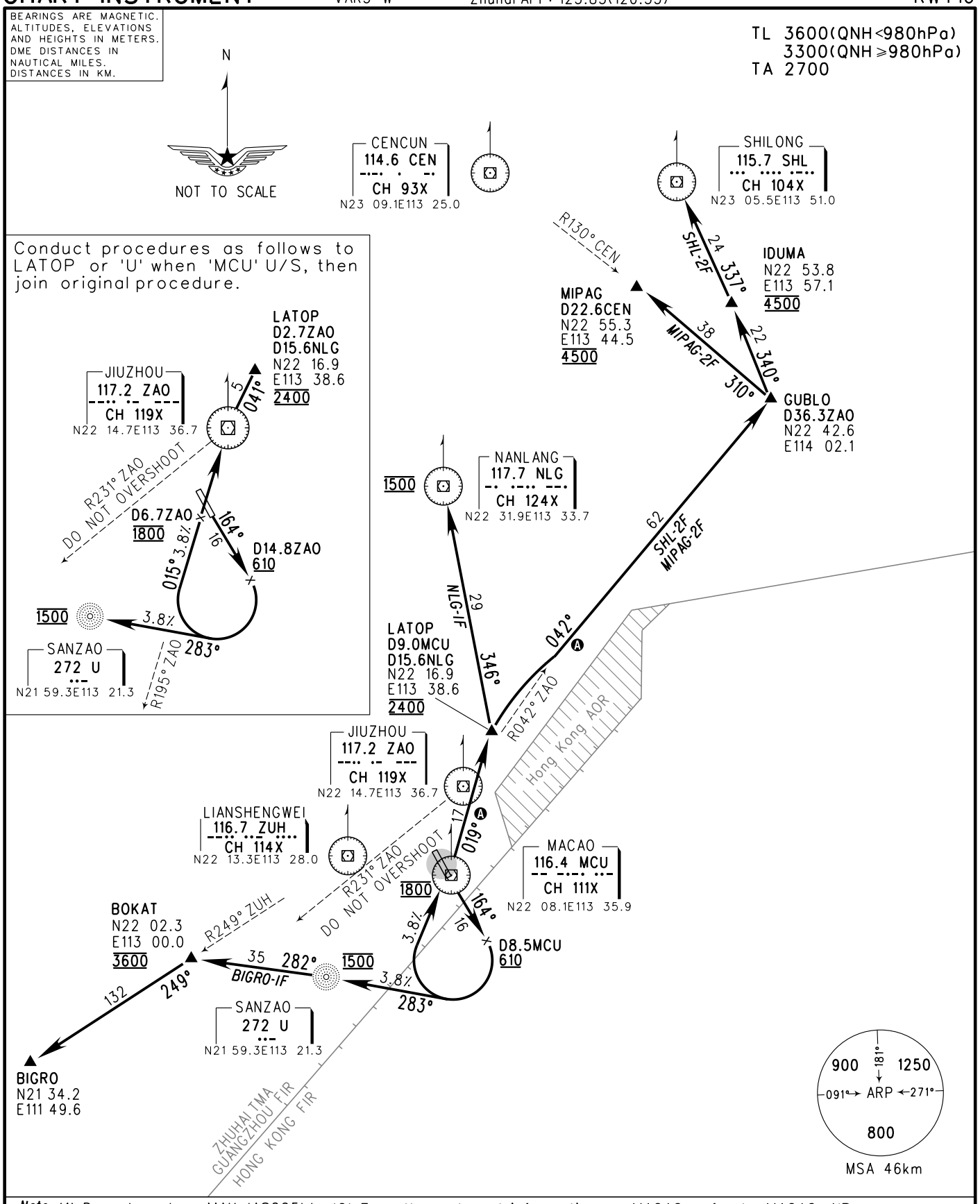
STANDARD DEPARTURE CHART-INSTRUMENT

VAR3° W Zhuhai APP: 123.85(120.35)

MACAO/Macao RWY16



Note: (1) Departure turn MAX IAS205kt. (2) For other relevant information on MACAO, refer to MACAO AIP.
Ⓐ Deviation to southeast of track not permitted.

Changes: Chart number.

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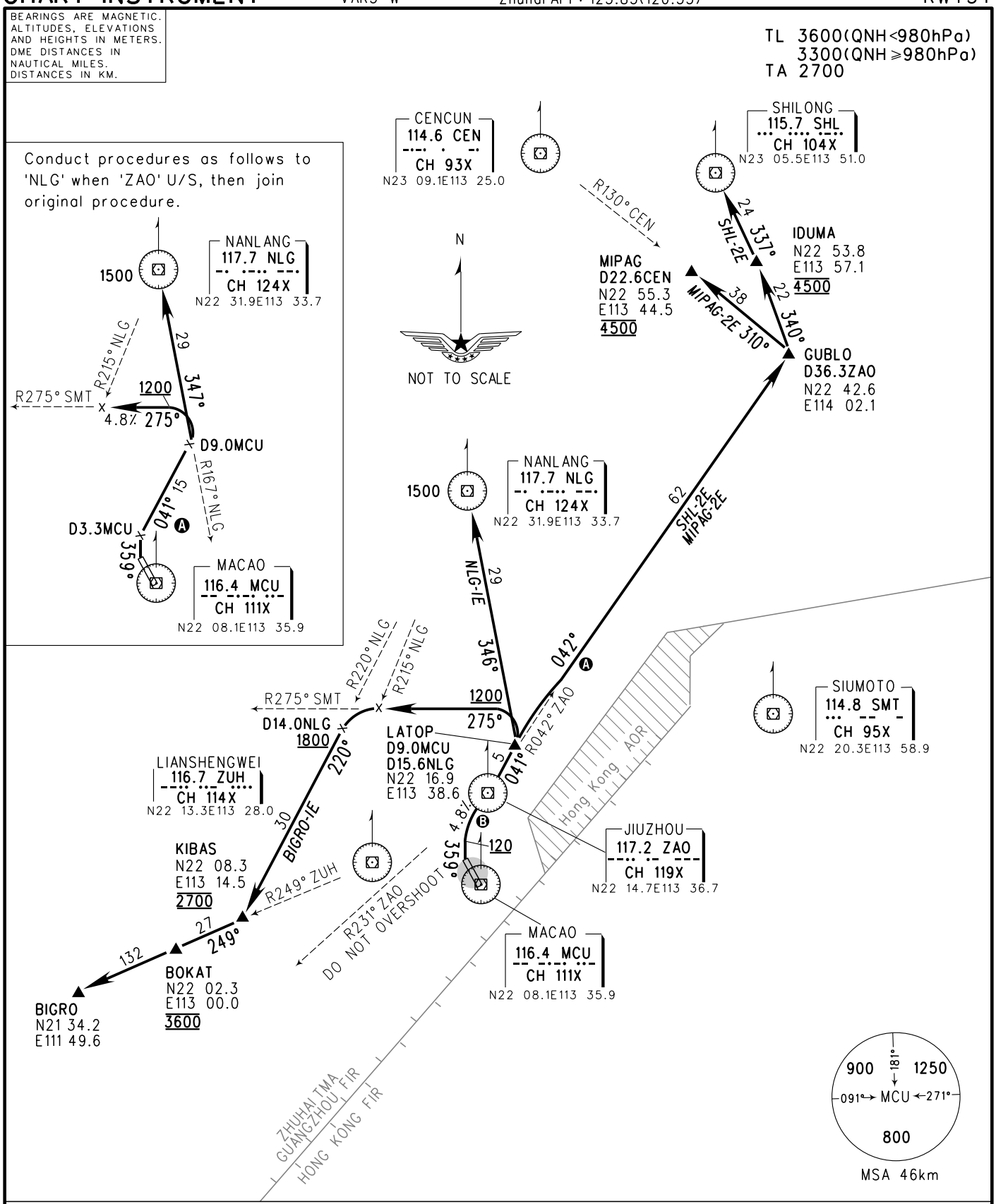
STANDARD DEPARTURE CHART-INSTRUMENT

VAR3° W Zhuhai APP: 123.85(120.35)

MACAO/Macao
RWY34



Note: (1) Departure turn MAX IAS205kt. (2) For other relevant information on MACAO, refer to MACAO AIP.
Ⓐ Deviation to southeast of track not permitted.
Ⓑ MAX IAS205kt until directing to LATOP.

Changes: Chart number.

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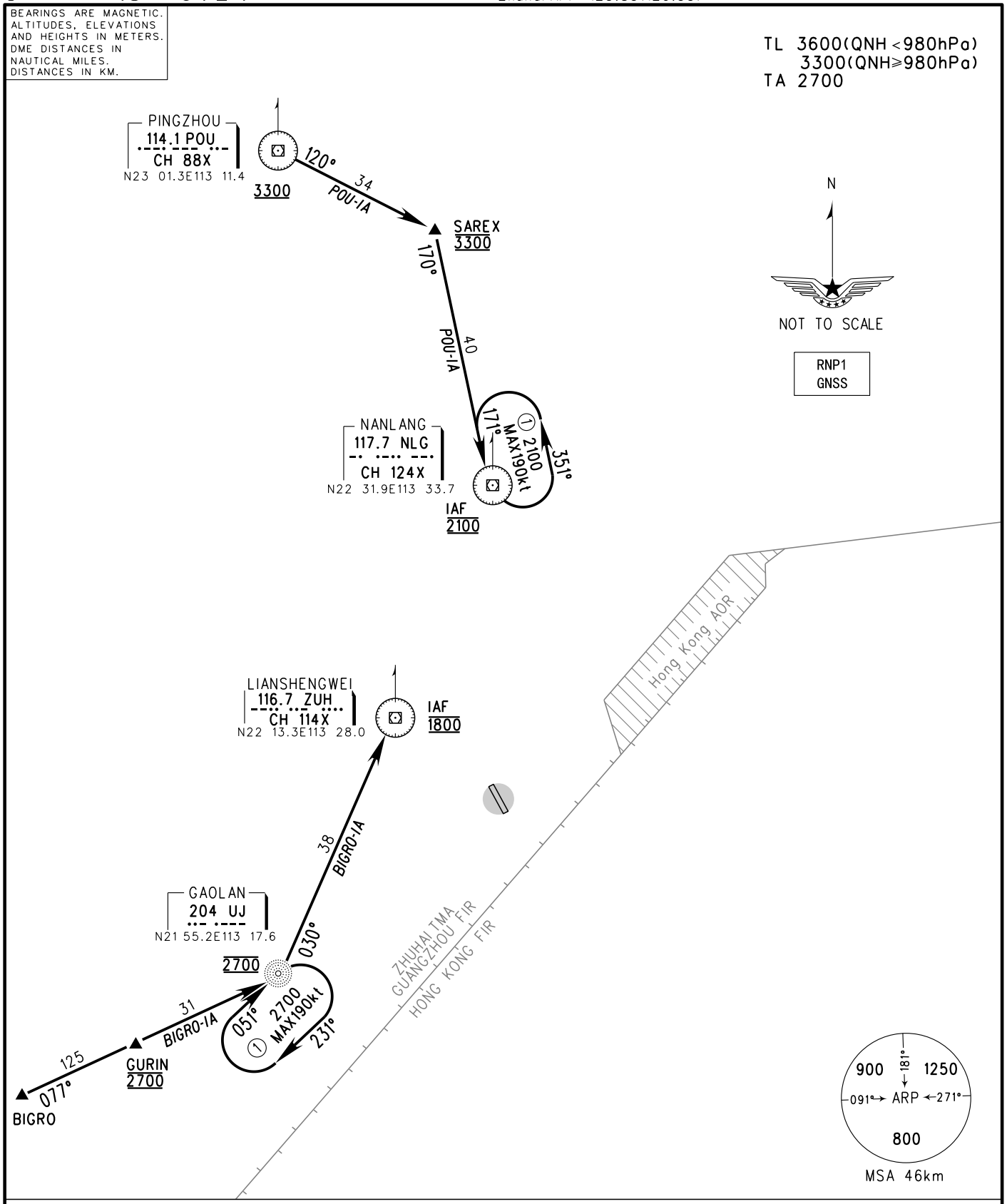
STANDARD ARRIVAL CHART-INSTRUMENT

VAR3° W

Zhuhai APP: 123.85(120.35)

MACAO/Macao
RNP RWY16



Note: (1) Approach turn MAX IAS190kt.
(2) For other relevant information on MACAO, refer to MACAO AIP.

Changes: Chart number.

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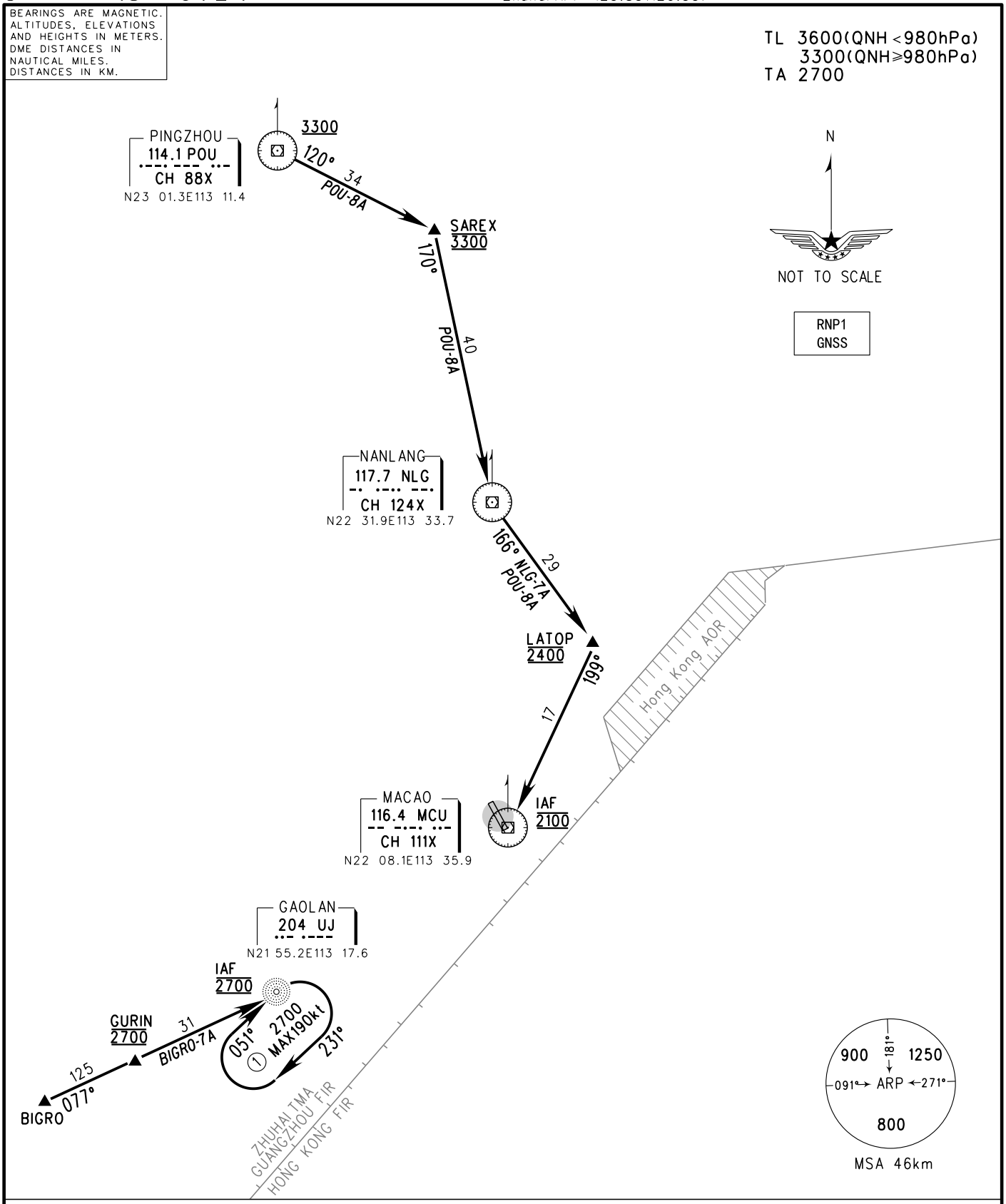
STANDARD ARRIVAL CHART-INSTRUMENT

VAR3° W

Zhuhai APP: 123.85(120.35)

MACAO/Macao
RNP RWY34



Note: (1) Approach turn MAX IAS190kt.
(2) For other relevant information on MACAO, refer to MACAO AIP.

Changes: Chart number.

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STANDARD ARRIVAL CHART-INSTRUMENT

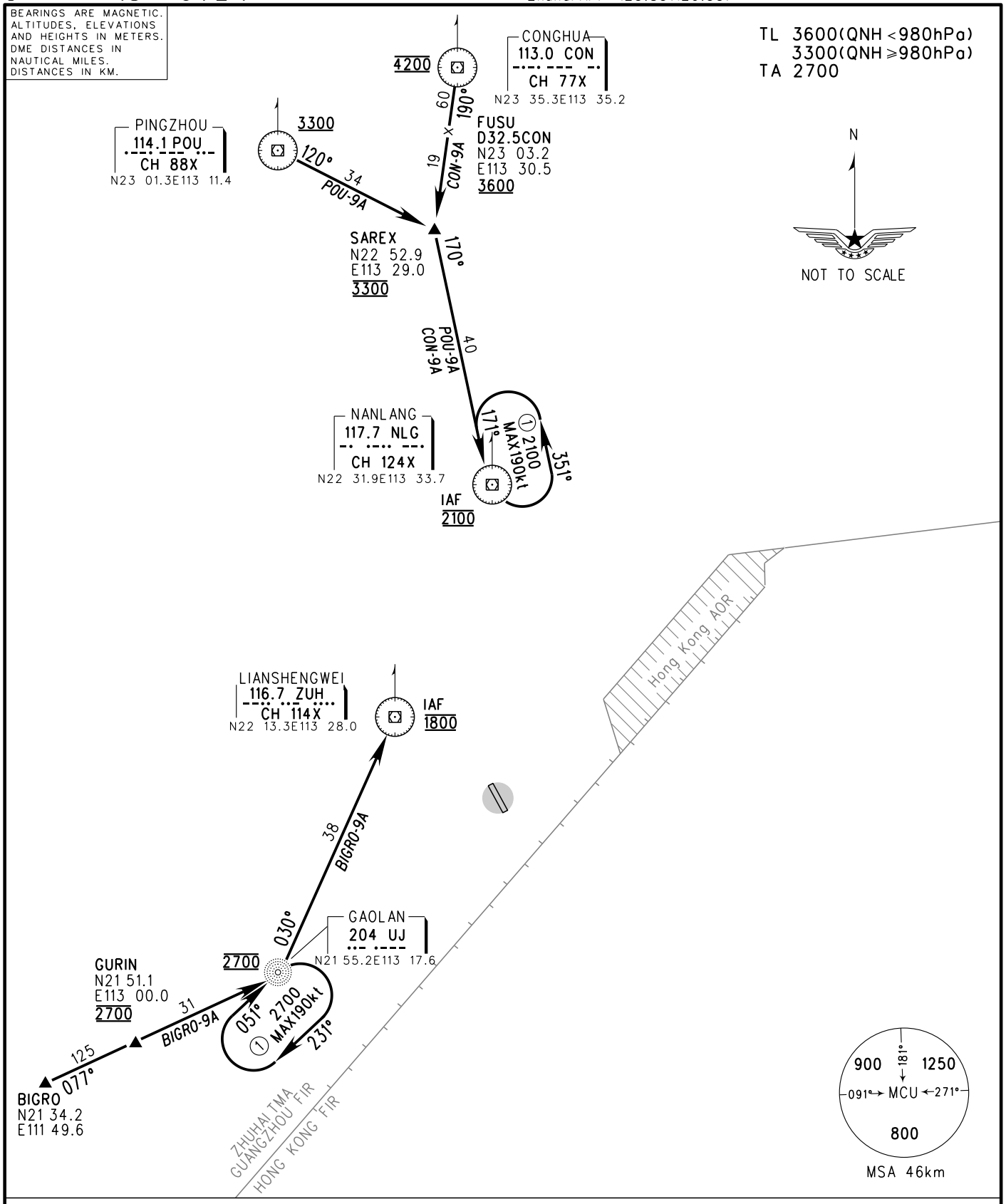
VAR3° W

Zhuhai APP: 123.85(120.35)

MACAO/Macao
RWY16

BEARINGS ARE MAGNETIC. ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS. DME DISTANCES IN NAUTICAL MILES. DISTANCES IN KM.

TL 3600(QNH<980hPa)
3300(QNH≥980hPa)
TA 2700



Note: (1) Approach turn MAX IAS190kt.
(2) For other relevant information on MACAO, refer to MACAO AIP.

Changes: Chart number.

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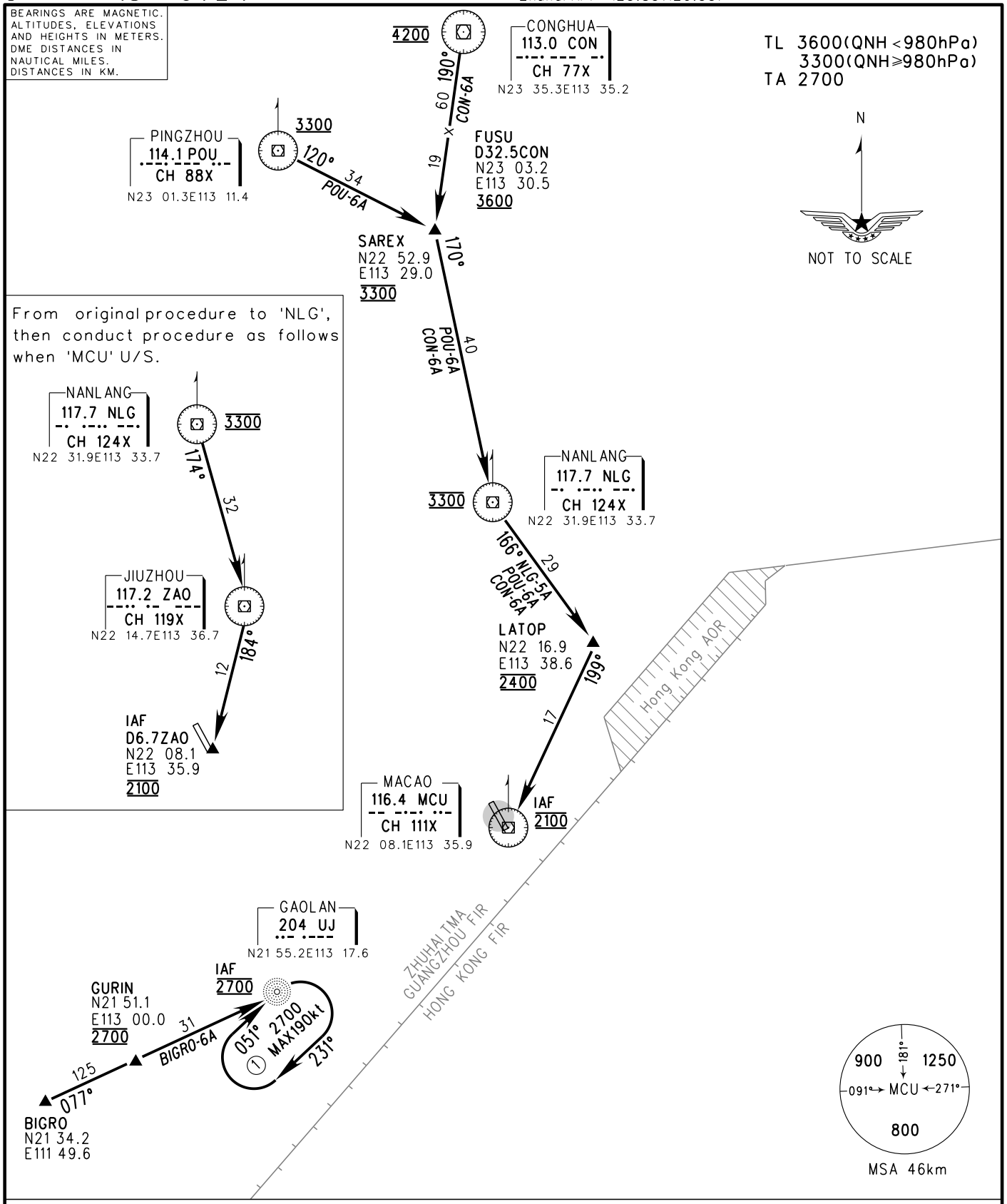
STANDARD ARRIVAL CHART-INSTRUMENT

MACAO/Macao
RWY34

VAR3° W

Zhuhai APP: 123.85(120.35)



Note: (1) Approach turn MAX IAS190kt.
(2) For other relevant information on MACAO, refer to MACAO AIP.

Changes: Chart number.

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ENR2.2
其他监管空域
Other regulated airspace

(待补充) (to be developed.)

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ENR3
空中交通服务航路、航线
ATS ROUTES

ENR3.1
总则
General rules

1. 提供国际/地区飞行使用的国际航路见ENR3.2/3.3。

1. The air routes available for used by the international/regional flights are given in subsection ENR 3.2/3.3.

2. 航路的宽度最大为 20 千米，最小为 8 千米。

2. The maximum width of an air route is 20km; the minimum width is 8km.

3. 航空器必须沿规定的航路飞行，禁止偏离航路。

3. An aircraft shall follow a specified air route, deviation from that is prohibited.

4. 供国际/地区飞行使用的班机航线信息公布在 http://www.aischina.com 网站英文页面中。

4. The flight routes information available for used by international/regional flights are published in the English version of the website, http://www.aischina.com .

5. 当申请使用 PBN 运行的航路时，已完成相关 PBN 适航和运行合格审定的航空器，需按规定填写飞行计划报编组 10 和编组 18 内容；不具备相应 PBN 适航能力或者没有达到 PBN 运行合格审定的航空器，仍旧按照现行执行。

5. When applying to use the routes on which PBN is implemented, aircraft which has achieved related airworthiness and operational approval must fulfill related FPL items 10 and 18 as required; for aircraft do not meet, operation as usual.

6. 使用 V 系列航线时须经 ATC 同意。

6. Operating on air routes of series V must be permitted by ATC.

修改的南中国海航路区域导航要求

Requirement for Area Navigation(RNAV) on the revised South China Sea routes

1. 区域导航是一种导航方法，该方法允许航空器在相关导航设施的覆盖范围内，或在航空器自备式导航设

1. RNAV is a method, which permits aircraft navigation along any desired flight path within the coverage of the

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备能力范围内，或二者的组合，沿任何期望的航径飞行。在本航行资料通报中，区域导航设备通过利用下述一种导航源或几种的组合来自动确定航空器的位置，使航空器建立期望的航径并沿此航径飞行。

associated navigation aids, or within the limits of the capability of self-contained aids, or a combination of these methods. For the purpose of this AIC, RNAV equipment is considered to be that equipment which operates by automatically determining aircraft position from one, or a combination of the following sensors with the means to establish and follow a desired path:

a)全向信标台/测距台

b)测距台/测距台

c)惯性导航系统或惯性基准系统

d)罗兰 C

e) 全球导航卫星系统

a) VOR/DME

b) DME/DME

c) INS or IRS

d) LORAN C

e) GNSS

2. 只有装备了区域导航系统的航空器才能在修改的南中国海 ATS 航路结构中的区域导航航路上运行，此 ATS 航路结构是三亚飞行情报区的一部分。不符合区域导航要求的航空器只能在非区域导航航路上运行。

2. Only aircraft equipped with RNAV systems would be able to operate on the RNAV routes in the revised South China Sea ATS route structure which form part of the Sanya FIR. Aircraft that are not RNAV compliant will only be cleared to operate on non-RNAV routes.

3. 三亚飞行情报区内的区域导航航路将按照国际民航组织地区协议中的规定实施。

3. RNAV routes will be implemented in the Sanya FIR in accordance with ICAO Regional Agreements.

4. 中国民用航空局飞行标准司负责对在中国登记的航空器进行区域导航系统的批准。有关区域导航运行的要求在国际民航组织 DOC9613《所需导航性能手册》及联邦航空局 AC90-45A《美国国家空域系统内使用的区域导航系统批准》中有详细阐述。

4. Flight Standards Department of the Civil Aviation Administration of China is responsible for the aircraft approval to China-registered aircraft with regard to the RNAV system. The requirements for conduct of RNAV operations are stated in ICAO DOC9613 (Manual on Required Navigation Performance) and FAA AC90-45A (Approval of Area Navigation Systems for use in the U.S. National Airspace System).

5. 如果想了解有关航空器及运行批准的详细情况，请

5. For further information on aircraft and operations

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联系以下部门:	approval, please contact:
中国民用航空局飞行标准司	Flight Standards DepartmentCivil Aviation Administration of China
电话：86-10-64030980	Telephone: 86-10-64030980
传真：86-10-64030972	Facsimile: 86-10-64030972
中国民用航空局空中交通管理局运行管理中心	Operations Management CenterAir Traffic Management BureauCivil Aviation Administration of China
电话：86-10-64091213	Telephone: 86-10-64091213
传真：86-10-65135983	Facsimile: 86-10-65135983

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ENR 3.2
空中交通服务航路、航线-非区域导航
ATS routes- conventional navigation routes
ENR 3.2.1
A 系列航路
Air routes of Series A

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
A1					
▲BUNTA			N16°50′00″ E109°23′42″		
	057°/237° 63NM	2 000FT	28	↓↑	Sanya ACC(4270m or above)
△LENKO			N17°24′57″ E110°18′00″		
	057°/237° 134NM	2 000FT	80	↓↑	Sanya ACC(4270m or above)
▲IKELA			N18°39′42″ E112°14′42″		
A1 航路 RVSM、RNP10 及横向偏移程序的相关规定见 ENR3.3.2.1、ENR3.3.2.2、ENR3.3.2.3。 Relevant rules about RVSM, RNP10 and strategic lateral offset procedures of route A1 see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3.					
A202					
▲SIKOU			N20°50′36″ E111°30′00″		
RNAV2	252°/072° 65	650	20	↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲ISBIG			N20°38′39″ E110°54′30″		
RNAV2	252°/072° 46	797	20	↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲SAMAS			N20°30′18″ E110°29′42″		
RNAV2	232°/052° 36	1 455	20	↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲AGPOR			N20°18′09″ E110°13′48″		
RNAV2	232°/052° 139	1 455	20	↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲DABUB			N19°31′11″ E109°11′36″		
RNAV2	232°/052° 46	1 410	20	↓↑	Sanya ACC
▲NONEM			N19°15′19″ E108°51′03″		
RNAV2	232°/052° 160	1 240	20	↓↑	Sanya ACC
▲ASSAD			N18°20′30″ E107°40′54″		
A326					
▲ANRAT			N38°39′30″ E119°57′24″		
RNAV2	108°/288° 25	867	20	↓↑	Dalian ACC
▲UNSEK			N38°36′46″ E120°14′08″		
RNAV2	108°/288° 28	867	20	↓↑	Dalian ACC
▲ALARA			N38°33′40″ E120°33′06″		
RNAV2	108°/288° 53	800	20	↓↑	Dalian ACC
▲MAKNO			N38°27′48″ E121°08′54″		
RNAV2	108°/288° 9	800	20	↓↑	Dalian ACC
▲NUNDU			N38°26′51″ E121°14′45″		
RNAV2	108°/288° 19	800	20	↓↑	Dalian ACC
△DOBGA			N38°24′47″ E121°27′31″		
RNAV2	108°/288° 71	800	20	↓↑	Dalian ACC
▲POVAG			N38°16′44″ E122°15′04″		
RNAV2	108°/288° 18	800	20	↓↑	Dalian ACC
▲SANKO			N38°15′00″ E122°27′12″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	142°/322° 24	600	20	↓↑	Qingdao ACC
▲OBDIS			N38°05′52″ E122°38′58″		
RNAV2	142°/322° 85	600	20	↓↑	Qingdao ACC
△DONVO			N37°34′00″ E123°20′00″		
RNAV2	185°/005° 82	600	20	↓↑	Qingdao ACC
▲IKEKA			N36°49′53″ E123°21′15″		
RNP4	185°/005° 47	600	20	↓↑	Qingdao ACC
▲OMLIB			N36°24′40″ E123°21′57″		
RNP4	185°/005° 140	600	20	↓↑	Qingdao ACC
▲LUDVU			N35°09′01″ E123°24′04″		
RNP4	185°/005° 17	600	20	↓↑	LUDVU : Qingdao ACC DOPNO : Shanghai ACC
▲DOPNO			N35°00′00″ E123°24′19″		
RNP4	185°/005° 20	600	20	↓↑	Shanghai ACC
▲IVPIP			N34°49′13″ E123°25′14″		
RNP4	185°/005° 81	600	20	↓↑	Shanghai ACC
▲IKADI			N34°05′30″ E123°29′00″		
RNP4	185°/005° 258	600	20	↓↑	Shanghai ACC
▲SURAK			N31°46′24″ E123°29′30″		
RNP4	185°/005° 30	600	20	↓↑	Shanghai ACC

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲AKARA			N31°30′00″ E123°30′00″		
RNP4	173°/353° 19	600		↓↑	Shanghai ACC
▲TONIX			N31°19′56″ E123°32′38″		
RNP4	173°/353° 65	600		↓↑	Shanghai ACC
▲MIGOL			N30°45′46″ E123°41′39″		
RNP4	173°/353° 134	600		↓↑	Shanghai ACC
▲APITO			N29°35′00″ E124°00′00″		
A343					
△POSOT			N43°11′00″ E085°58′25″		
RNP4	274°/094° 132	5 890		↓↑	Urumqi ACC
△GOBOK			N43°20′45″ E084°21′53″		
RNP4	274°/094° 80	4 721		↓↑	Urumqi ACC
△那拉提 Nalati VOR/DME (NLT)			N43°25.9′ E083°22.7′		
RNP4	268°/088° 214	4 313		↓↑	Urumqi ACC RULAD: Urumqi ACC/Almaty FIR
▲RULAD 中哈国境点			N43°30′01″ E080°43′59″		
A345					
▲TELOK 中俄国境点			N49°38′00″ E117°22′00″		
RNP4	142°/322° 8	1 609	20	↓↑	Harbin ACC
△MANLI			N49°35′00″ E117°27′00″		
RNP4	136°/316° 59	1 609	20	↓↑	Harbin ACC
▲KAGAK			N49°16′00″ E118°06′00″		

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RNP4	102°/282° 125	1 460	20	↓↑	Harbin ACC
▲海拉尔 Hailar VOR/DME (HLD)			N49°12.2′ E119°49.3′		
RNP4	173°/353° 202	2 345	20	↓↑	Harbin ACC
▲ABVAX			N47°27′36″ E120°35′21″		
RNP4	173°/353° 133	2 345	20	↓↑	Harbin ACC
▲ELPUN			N46°18′26″ E121°04′18″		
RNAV2	173°/353° 45	1 992	20	↓↑	Shenyang ACC
▲IKITI			N45°54′54″ E121°14′06″		
RNAV2	158°/338° 133	1 944	20	↓↑	Shenyang ACC
▲APUKO			N44°53′44″ E122°07′04″		
RNAV2	158°/338° 124	809	20	↓↑	Shenyang ACC
▲DULEX			N43°56′19″ E122°55′41″		
RNAV2	158°/338° 42	802	20	↓↑	Shenyang ACC
▲UGRUP			N43°36′52″ E123°11′54″		
RNAV2	158°/338° 127	1 034	20	↓↑	Shenyang ACC
▲开原 Kaiyuan VOR/DME (KYU)			N42°37.9′ E124°00.4′		
RNAV2	183°/003° 90	1 900	20	↓↑	Shenyang ACC
▲EKVOK			N41°49′24″ E124°06′36″		
RNAV2	183°/003° 47	1 900	20	↓↑	Shenyang ACC
▲BIDIB			N41°24′24″ E124°09′48″		

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RNAV2	184°/004° 14	1 900	20	↓↑	Shenyang ACC
▲VILIX			N41°16′52″ E124°10′26″		
RNAV2	184°/004° 16	1 811	20	↓↑	Shenyang ACC
▲ORAXU			N41°08′02″ E124°11′11″		
RNAV2	184°/004° 10	1 811	20	↓↑	Dalian ACC
▲ANSUK			N41°02′53″ E124°11′37″		
RNAV2	184°/004° 88	1 900	20	↓↑	Dalian ACC
▲丹东 Dandong VOR/DME (DDG)			N40°15.4′ E124°17.0′		
RNAV2	114°/294° 20	1 436	20	↓↑	Dalian ACC
▲GOLOT 中朝国境点			N40°12′30″ E124°30′30″		
A368					
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
RNP4	304°/124° 30	2 350	20	↓↑	Urumqi ACC
△VARMI			N44°20′03″ E087°41′05″		
RNP4	304°/124° 40	1 082	20	↓↑	Urumqi ACC
△UGPEL			N44°33′07″ E087°17′13″		
RNP4	304°/124° 30	1 059	20	↓↑	Urumqi ACC
△IKARA			N44°43′20″ E086°59′34″		
RNP4	304°/124° 20	1 072	20	↓↑	Urumqi ACC
△OMKEN			N44°50′00″ E086°48′00″		
RNP4	304°/124° 157	1 502	20	↓↑	Urumqi ACC

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▲SALMO			N45°41′53″ E085°13′15″		
RNP4	302°/122° 104	3 200	20	↓↑	Urumqi ACC
△OSUPO			N46°15′52″ E084°08′45″		
RNP4	302°/122° 74	3 200	20	↓↑	Urumqi ACC
△塔城 Tacheng VOR/DME (TCH)			N46°39.5′ E083°22.1′		
RNP4	297°/117° 43	2 112	20	↓↑	Urumqi ACC
▲SARIN 中哈国境点			N46°51′54″ E082°53′18″		
A460					
▲龟兹 Qiuci VOR/DME (XKC)			N41°40.6′ E082°50.6′		
RNP4	317°/137° 85	5 386	20	↓↑	Urumqi ACC
△EXURU			N42°16′26″ E082°11′57″		
RNP4	317°/137° 60	5 586	20	↓↑	Urumqi ACC
▲IDMOL			N42°41′30″ E081°44′21″		
RNP4	313°/133° 121	5 503	20	↓↑	Urumqi ACC RULAD:Urumqi ACC/Almaty FIR
▲RULAD 中哈国境点			N43°30′01″ E080°43′59″		
航线高度 7 500 米（含）-12 500 米（含）。 En-route altitude 7 500m—12 500m.					
A461					
▲魏县 Weixian VOR/DME (WXI)			N36°21.8′ E114°55.0′		
RNAV2	191°/011° 187	867	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲AKOMA			N34°41′29″ E114°45′10″		
RNAV2	189°/009° 44	735	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲IDULA			N34°18′04″ E114°42′53″		

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RNAV2	189°/009° 71	735	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲周口 Zhoukou VOR/DME (ZHO)			N33°39.9′ E114°39.3′		
RNAV2	189°/009° 149	716	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OBLIK			N32°19′48″ E114°31′30″		
RNAV2	189°/009° 68	1 408	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ESDOS			N31°43′18″ E114°28′03″		
RNAV2	189°/009° 44	1 382	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲河口 Hekou VOR/DME (HOK)			N31°19.5′ E114°25.8′		
RNAV2	209°/029° 93	1 474	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UBTAG			N30°33′33″ E114°01′37″		
RNAV2	208°/028° 79	1 058	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲龙口 Longkou VOR/DME (LKO)			N29°54.4′ E113°41.5′		
RNAV2	187°/007° 72	1 793	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DAPRO			N29°15′28″ E113°38′21″		
RNAV2	187°/007° 56	2 187	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲AKUBA			N28°45′18″ E113°36′01″		
RNAV2	187°/007° 30	2 171	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲LUMKO			N28°28′52″ E113°34′55″		
RNAV2	187°/007° 42	2 171	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲PAVTU			N28°06′20″ E113°33′21″		

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RNAV2	187°/007° 51	1 417	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲醴陵 Liling VOR/DME (LIG)			N27°38.9′ E113°31.0′		
RNAV2	---/004° 44	1 942	20	↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲MEXON			N27°15′00″ E113°30′25″		
RNAV2	---/004° 154	2 600	20	↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲BUBDA			N25°52′06″ E113°27′49″		
RNAV2	---/004° 161	2 394	20	↑	Guangzhou ACC
▲MOLSO			N24°25′17″ E113°25′20″		
RNAV2	---/004° 8	2 186	20	↑	Guangzhou ACC
▲MIKIP			N24°20′56″ E113°25′13″		
RNAV2	---/004° 18	2 150	20	↑	Guangzhou ACC
▲英德 Yingde VOR/DME (YIN)			N24°11.4′ E113°24.9′		
RNAV2	---/342° 130	1 881		↑	Guangzhou ACC
▲石龙 Shilong VOR/DME (SHL)			N23°05.5′ E113°51.0′		
RNAV2	---/338° 24	1 397		↑	Guangzhou ACC
▲IDUMA			N22°53′47″ E113°57′06″		
RNAV2	---/338° 44	1 599		↑	Guangzhou ACC
▲BEKOL			N22°32′36″ E114°08′00″		
A468					
▲KAMUD 中吉国境点			N41°34′00″ E078°50′00″		
RNP4	084°/264° 180	6 488	20	↓↑	Urumqi ACC

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△LIMDO			N41°38′33″ E080°59′36″		
RNP4	084°/264° 154	4 180	20	↓↑	Urumqi ACC
▲龟兹 Qiuci VOR/DME (XKC)			N41°40.6′ E082°50.6′		
A470					
▲邳县 Pixian VOR/DME (DPX)			N34°16.7′ E117°59.9′		
RNAV2	169°/349° 31	807		↓↑	Shanghai ACC
▲MEXUP			N34°00′37″ E118°05′45″		
RNAV2	169°/349° 23	661		↓↑	Shanghai ACC
▲DALNU			N33°48′45″ E118°10′04″		
RNAV2	169°/349° 69	709		↓↑	Shanghai ACC
▲RUPUD			N33°13′11″ E118°22′57″		
RNAV2	169°/349° 64	849		↓↑	Shanghai ACC
▲半塔集 Bantaji NDB (OF)			N32°40.4′ E118°34.7′		
RNAV2	165°/345° 101	1 068		↓↑	Shanghai ACC
▲DOGVI			N31°49′14″ E118°57′50″		
RNAV2	165°/345° 20	1 078		↓↑	Shanghai ACC
▲OLRIS			N31°39′01″ E119°02′25″		
RNAV2	171°/351° 10	1 078		↓↑	Shanghai ACC
▲SAPIN			N31°33′55″ E119°04′00″		
RNAV2	149°/329° 13	1 011		↓↑	Shanghai ACC
▲OROTU			N31°28′13″ E119°09′00″		

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RNAV2	149°/329° 38	1 108		↓↑	Shanghai ACC
▲TESIG			N31°11′48″ E119°23′18″		
RNAV2	149°/329° 67	1 300		↓↑	Shanghai ACC
▲IGRAT			N30°43′00″ E119°48′21″		
RNAV2	149°/329° 16	1 416		↓↑	Shanghai ACC
▲UDOLA			N30°36′06″ E119°54′16″		
RNAV2	149°/329° 23	1 416		↓↑	Shanghai ACC
▲AKDIM			N30°26′10″ E120°03′08″		
RNAV2	216°/036° 50	1 390		↓↑	Shanghai ACC
▲SAGNU			N30°03′00″ E119°47′44″		
RNAV2	216°/036° 25	1 847		↓↑	Shanghai ACC
▲DUBGO			N29°51′19″ E119°39′53″		
RNAV2	188°/008° 10	1 847		↓↑	Shanghai ACC
▲桐庐 Tonglu VOR/DME (TOL)			N29°45.8′ E119°39.6′		
RNAV2	188°/008° 15	1 910		↓↑	Shanghai ACC
▲UGAGO			N29°37′39″ E119°39′02″		
RNAV2	188°/008° 9	1 847		↓↑	Shanghai ACC
▲EMRID			N29°32′56″ E119°38′55″		
RNAV2	188°/008° 52	1 912		↓↑	Shanghai ACC
▲OSPAM			N29°05′08″ E119°37′13″		

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RNAV2	188°/008° 70	2 130		↓↑	Shanghai ACC
▲AKEKO			N28°27′29″ E119°34′53″		
RNAV2	188°/008° 40	2 140		↓↑	Shanghai ACC
▲云和 Yunhe NDB (BZ)			N28°06.1′ E119°33.7′		
RNAV2	186°/006° 74	2 237		↓↑	Shanghai ACC
▲DAGMO			N27°26′09″ E119°33′22″		
RNAV2	186°/006° 20	2 171		↓↑	DAGMO: Shanghai ACC AKAVO: Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲AKAVO			N27°15′37″ E119°33′21″		
RNAV2	186°/006° 97	1 995		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲PADRU			N26°23′13″ E119°33′01″		
RNAV2	186°/006° 18	1 600		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲连江 Lianjiang VOR/DME (LJG)			N26°13.2′ E119°32.9′		
RNAV2	201°/021° 56	1 650		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲福清 Fuqing VOR/DME (FQG)			N25°44.4′ E119°23.1′		
RNAV2	230°/050° 65	1 775		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ENVEN			N25°20′30″ E118°55′06″		
RNAV2	230°/050° 41	1 775		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ATSAB			N25°05′36″ E118°37′06″		

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RNAV2	230°/050° 63	1 775		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲AMURI			N24°42′01″ E118°10′07″		
RNAV2	230°/050° 21	1 775		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲杏林 Xinglin VOR/DME (XLN)			N24°33.9′ E118°00.9′		
RNAV2	231°/051° 71	1 811		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲TEBON			N24°08′17″ E117°30′04″		
RNAV2	225°/045° 56	1 649		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲IKATA			N23°45′54″ E117°08′10″		
RNAV2	229°/049° 52	1 649		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲汕头 Shantou VOR/DME (SWA)			N23°26.4′ E116°46.0′		
RNAV2	220°/040° 68	1 205		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲BEBEM			N22°57′00″ E116°21′38″		
RNAV2	220°/040° 32	1 205		↓↑	BEBEM : Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below) DOTMI : Guangzhou ACC
▲DOTMI			N22°43′06″ E116°10′06″		
RNAV2	219°/039° 59	656		↓↑	DOTMI: Guangzhou ACC MAGOG: Hong Kong FIR
▲MAGOG			N22°17′18″ E115°49′24″		
A575					
▲GOLOT 中朝国境点			N40°12′30″ E124°30′30″		

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RNAV2	294°/114° 20	1 436	20	↓↑	Dalian ACC
▲丹东 Dandong VOR/DME (DDG)			N40°15.4′ E124°17.0′		
RNAV2	004°/184° 88	1 900	20	↓↑	Dalian ACC
▲ANSUK			N41°02′53″ E124°11′37″		
RNAV2	004°/184° 10	1 811	20	↓↑	Dalian ACC
▲ORAXU			N41°08′02″ E124°11′11″		
RNAV2	004°/184° 16	1 811	20	↓↑	Shenyang ACC
▲VILIX			N41°16′52″ E124°10′26″		
RNAV2	004°/184° 14	1 900	20	↓↑	Shenyang ACC
▲BIDIB			N41°24′24″ E124°09′48″		
RNAV2	287°/107° 73	1 632	10	↓↑	Shenyang ACC
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
RNAV2	287°/107° 99	818	10	↓↑	Shenyang ACC
▲大虎山 Dahushan VOR/DME (DHN)			N41°38.7′ E122°06.9′		
RNAV2	273°/093° 78	1 482	20	↓↑	Shenyang ACC
▲OMDUS			N41°34′30″ E121°11′00″		
RNAV2	273°/093° 63	1 482	20	↓↑	Shenyang ACC
▲朝阳 Chaoyang VOR/DME (CHG)			N41°32.2′ E120°26.0′		
RNAV2	277°/097° 139	2 339		↓↑	Shenyang ACC
▲IGIVU			N41°30′18″ E118°45′56″		

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RNAV2	277°/097° 27	2 460		↓↑	IGIVU: Shenyang ACC UKDUM: Beijing ACC
▲UKDUM			N41°29′51″ E118°26′40″		
RNAV2	291°/111° 213	2 460		↓↑	Beijing ACC
▲ASILA			N41°57′31″ E115°57′07″		
RNAV2	303°/123° 65	2 362	20	↓↑	Beijing ACC Hohhot ACC(7800m or below)
▲UPREK			N42°14′10″ E115°15′46″		
RNAV2	303°/123° 97	2 337	20	↓↑	UPREK : Beijing ACC Hohhot ACC(7800m or below) VANVO : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
△VANVO			N42°37′38″ E114°12′20″		
RNAV2	303°/123° 93	1 832	20	↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
△UKBAD			N43°00′45″ E113°11′26″		
RNAV2	304°/124° 97	1 764	20	↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲二连浩特 Erenhot VOR/DME (LHT)			N43°24.8′ E112°07.6′		
RNAV2	335°/155° 15	1 764	20	↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲ESMEP			N43°32′00″ E112°01′31″		
RNAV2	335°/155° 19	1 764	20	↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲INTIK 中蒙国境点			N43°40′48″ E111°54′06″		
BIDIB 至东羊角 NDB 航段飞行高度 7 200 米（含）-12 500 米（含）；往返同。 Segment BIDIB to Dongyangjiao NDB en-route altitudes 7 200m—12 500m; and vice versa.					

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
A581					
▲天河 Tianhe VOR/DME (WHA)			N30°46.9′ E114°12.2′		
RNAV2	241°/061° 30	1 100	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDPOG			N30°38′18″ E113°56′35″		
RNAV2	241°/061° 13	954	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDGAG			N30°34′38″ E113°49′57″		
RNAV2	241°/061° 74	954	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUGAM			N30°12′59″ E113°11′08″		
RNAV2	241°/061° 99	789	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲VIBUB			N29°44′14″ E112°19′22″		
RNAV2	241°/061° 78	1 204	20	↓↑	VIBUB : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) 临澧 Linli VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲临澧 Linli VOR/DME (LIN)			N29°21.2′ E111°38.9′		
RNAV2	251°/071° 97	2 118	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲NOMUK			N29°01′46″ E110°43′30″		
RNAV2	251°/071° 112	2 134	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲BODUV			N28°39′10″ E109°39′45″		
RNAV2	251°/071° 22	1 831	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲花垣 Huayuan VOR/DME (HUY)			N28°34.8′ E109°27.0′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	245°/065° 33	1 831	20	↓↑	花垣 VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) EPGAL: Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲EPGAL			N28°26′46″ E109°08′44″		
RNAV2	245°/065° 151	2 224	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲TAXOR			N27°49′41″ E107°46′23″		
RNAV2	245°/065° 62	2 100	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
△EKADI			N27°34′36″ E107°12′44″		
RNAV2	245°/065° 25	2 010	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲MEMAG			N27°28′30″ E106°59′14″		
RNAV2	245°/065° 26	1 916	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲AGTIS			N27°22′08″ E106°45′00″		
RNAV2	245°/065° 42	2 200	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲BIPIP			N27°11′57″ E106°22′31″		
RNAV2	245°/065° 38	2 400	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲黔西 Qianxi VOR/DME (QNX)			N27°02.5′ E106°01.8′		
RNAV2	248°/068° 109	2 986	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲六盘水 Liupanshui VOR/DME (LPS)			N26°38.6′ E105°01.8′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	238°/058° 135	3 420	20	↓↑	六盘水 VOR/DME: Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) XISLI: Kunming ACC
▲XISLI			N25°58′29″ E103°53′57″		
RNAV2	238°/058° 116	3 788	20	↓↑	Kunming ACC
▲盘龙 Panlong VOR/DME (XFA)			N25°24.1′ E102°56.0′		
RNAV2	231°/051° 55	3 596	20	↓↑	Kunming ACC
▲西山 Xishan VOR/DME (SGM)			N25°04.9′ E102°31.2′		
RNAV2	212°/032° 142	3 434	20	↓↑	Kunming ACC
▲ELASU			N23°59′13″ E101°47′22″		
RNAV2	212°/032° 164	3 155	20	↓↑	Kunming ACC
▲BIDRU			N22°43′06″ E100°57′54″		
RNAV2	159°/339° 80	2 605	20	↓↑	Kunming ACC
▲NOKET			N22°02′53″ E101°15′18″		
RNAV2	159°/339° 102	2 605	20	↓↑	Kunming ACC
▲SAGAG 中老国境点			N21°11′30″ E101°37′24″		
EPGAL 至 AGTIS 航段飞行高度 8 100 米（含）-12 500 米（含）。 Segments between EPGAL and AGTIS, en-route altitude 8 100m—12 500m.					
A588					
▲SANKO			N38°15′00″ E122°27′12″		
RNAV2	340°/160° 55	600		↓↑	Dalian ACC
▲UDETI			N38°41′30″ E122°09′36″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度 (km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	039°/219° 28	851	15 (6/9)	↓↑	Dalian ACC
▲VENOS			N38°54′10″ E122°19′36″		
RNAV2	039°/219° 48	851	15 (6/9)	↓↑	Dalian ACC
▲长海 Changhai VOR/DME (CHI)			N39°16.0′ E122°37.0′		
RNAV2	037°/217° 99	1 789	15 (6/9)	↓↑	Dalian ACC
▲NODAL			N40°02′47″ E123°10′41″		
RNAV2	037°/217° 68	1 789	15 (6/9)	↓↑	Dalian ACC
▲TOSID			N40°34′55″ E123°33′59″		
RNAV2	037°/217° 32	1 789	15 (6/9)	↓↑	Shenyang ACC
▲ISKEM			N40°49′57″ E123°45′01″		
RNAV2	037°/217° 72	1 789	15 (6/9)	↓↑	Shenyang ACC
▲BIDIB			N41°24′24″ E124°09′48″		
RNAV2	038°/218° 73	1 731	15 (6/9)	↓↑	Shenyang ACC
▲NUBKI			N41°58′50″ E124°35′54″		
RNAV2	036°/216° 105	1 731	15 (6/9)	↓↑	NUBKI : Shenyang ACC LEMOT : Dalian ACC
▲LEMOT			N42°49′29″ E125°11′01″		
RNAV2	036°/216° 118	1 731	15 (6/9)	↓↑	LEMOT : Dalian ACC 万昌 Wanchang: Harbin ACC
▲万昌 Wanchang VOR/DME (LJB)			N43°46.4′ E125°51.1′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	019°/199° 20	1 222	20	↓↑	Harbin ACC
▲NULRA			N43°56′59″ E125°53′18″		
RNAV2	019°/199° 59	1 180	20	↓↑	Harbin ACC
▲ISBOP			N44°28′28″ E126°00′11″		
RNAV2	019°/199° 5	1 143	20	↓↑	Harbin ACC
▲PAGDO			N44°31′09″ E126°00′46″		
RNAV2	019°/199° 24	1 143	20	↓↑	Harbin ACC
▲PABKI			N44°43′52″ E126°03′34″		
RNAV2	019°/199° 101	1 271	20	↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
RNAV2	020°/200° 98	1 355	20	↓↑	Harbin ACC
▲BUBDI			N46°29′56″ E126°27′11″		
RNAV2	020°/200° 412	1 355	20	↓↑	Harbin ACC
▲黑河 Heihe VOR/DME (HEK)			N50°10.1′ E127°18.6′		
RNAV2	029°/209° 14	913	20	↓↑	Harbin ACC
▲SIMLI 中俄国境点			N50°17′24″ E127°22′06″		
UDETI 至万昌 VOR 航段飞行高度 7 200 米（含）-12 500 米（含）；往返同。 UDETI 至万昌 VOR 航段宽度：中线东侧为 9km，西侧为 6km。 Segments UDETI to Wanchang VOR en-route altitudes 7 200m—12 500m; and vice versa. Lateral limits of Segments UDETI to Wanchang VOR: eastbound of cenerline 9km, westbound 6km.					
A591					
▲IKEKA			N36°49′53″ E123°21′15″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	064°/244° 68	600	20	↓↑	Qingdao ACC
▲AGAVO			N37°10′00″ E124°00′00″		
A593					
▲EPGAM			N37°15′13″ E116°54′02″		
RNAV2	169°/349° 10	1 355	20	↓↑	EPGAM : Beijing ACC RAXEV : Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲RAXEV			N37°09′50″ E116°56′03″		
RNAV2	169°/349° 47	1 355	20	↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
△GOLAL			N36°45′52″ E117°05′06″		
RNAV2	169°/349° 40	2 184	20	↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲DALIM			N36°25′04″ E117°12′47″		
RNAV2	169°/349° 48	2 184	20	↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲ABTUB			N36°00′02″ E117°22′04″		
RNAV2	169°/349° 108	1 586	20	↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OVTIT			N35°04′14″ E117°42′45″		
RNAV2	169°/349° 26	1 290	20	↓↑	OVTIT: Beijing ACC(Above 7800m) Jinan ACC(7800m or below) AVPEP: Shanghai ACC
▲AVPEP			N34°50′34″ E117°47′45″		
RNAV2	169°/349° 2	1 290	20	↓↑	Shanghai ACC

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▲UDINO			N34°49′21″ E117°48′12″		
RNAV2	169°/349° 63	1 180	20	↓↑	Shanghai ACC
▲邳县 Pixian VOR/DME (DPX)			N34°16.7′ E117°59.9′		
RNAV2	150°/330° 26	807	20	↓↑	Shanghai ACC
▲SAGIP			N34°05′20″ E118°09′49″		
RNAV2	150°/330° 16	678	20	↓↑	Shanghai ACC
▲OMUDI			N33°58′14″ E118°16′00″		
RNAV2	150°/330° 69	771	20	↓↑	Shanghai ACC
▲LAGAL			N33°28′02″ E118°42′20″		
RNAV2	150°/330° 24	738	20	↓↑	Shanghai ACC
▲ATVAD			N33°17′45″ E118°51′15″		
RNAV2	150°/330° 14	738	20	↓↑	Shanghai ACC
▲SUBKU			N33°11′50″ E118°56′25″		
RNAV2	150°/330° 35	738	20	↓↑	Shanghai ACC
▲NIXEM			N32°56′31″ E119°09′38″		
RNAV2	150°/330° 66	823	20	↓↑	Shanghai ACC
▲XUTGU			N32°27′50″ E119°34′32″		
RNAV2	150°/330° 30	889	20	↓↑	Shanghai ACC
▲PIMOL			N32°14′45″ E119°45′42″		
RNAV2	150°/330° 69	1 031	20	↓↑	Shanghai ACC
▲无锡 Wuxi VOR/DME (VMB)			N31°44.6′ E120°11.5′		

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RNAV2	120°/300° 119	1 232		↓↑	Shanghai ACC
▲南翔 Nanxiang NDB (PK)			N31°17.0′ E121°19.8′		
RNAV2	112°/292° 45	1 232		↓↑	Shanghai ACC
▲浦东 Pudong VOR/DME (PUD)			N31°10.3′ E121°47.0′		
RNAV2	082°/262° 64	1 232	20	↓↑	Shanghai ACC
▲IPRAG			N31°17′49″ E122°26′28″		
RNAV2	082°/262° 33	600	20	↓↑	Shanghai ACC
▲DUMET			N31°21′39″ E122°46′30″		
RNAV2	082°/262° 70	600	20	↓↑	Shanghai ACC
▲AKARA			N31°30′00″ E123°30′00″		
RNAV2	080°/260° 49	600	93	↓↑	Shanghai ACC
▲LAMEN			N31°36′36″ E124°00′00″		
RNAV2	080°/260° 98	600	93	↓↑	Shanghai ACC SADLI:Shanghai ACC/Incheon ACC
▲SADLI			N31°49′48″ E125°00′00″		
A596					
▲磴口 Dengkou VOR/DME (DKO)			N40°18.5′ E106°57.8′		
RNAV2	258°/078° 129	2 448	20	↓↑	磴口 Dengkou VOR/DME: Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) KASTI : Lanzhou ACC
▲KASTI			N40°00′00″ E105°30′00″		
RNAV2	257°/077° 242	2 470	20	↓↑	Lanzhou ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲雅布赖 Yabrai VOR/DME (YBL)			N39°25.3′ E102°46.5′		
A599					
▲浦东 Pudong VOR/DME (PUD)			N31°10.3′ E121°47.0′		
RNAV2	268°/088° 42	1 232		↓↑	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
RNAV2	259°/079° 19	1 232		↓↑	Shanghai ACC
▲OLGAP			N31°04′24″ E121°09′00″		
RNAV2	259°/079° 40	1 232		↓↑	Shanghai ACC
▲LURMA			N30°58′30″ E120°44′55″		
RNAV2	259°/079° 32	1 232		↓↑	Shanghai ACC
▲南浔 Nanxun VOR/DME (NXD)			N30°53.8′ E120°25.8′		
RNAV2	215°/035° 53	1 846	10	↓↑	Shanghai ACC
▲KAKIS			N30°29′00″ E120°08′48″		
RNAV2	215°/035° 93	1 846	10	↓↑	Shanghai ACC
▲桐庐 Tonglu VOR/DME (TOL)			N29°45.8′ E119°39.6′		
RNAV2	232°/052° 22	2 122	20	↓↑	Shanghai ACC
▲ELNEX			N29°37′54″ E119°29′24″		
RNAV2	232°/052° 15	1 751	20	↓↑	Shanghai ACC
▲ERVOP			N29°32′33″ E119°22′35″		
RNAV2	232°/052° 30	1 880	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲TUPGA			N29°21′32″ E119°08′35″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	232°/052° 155	2 122	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲上饶 Shangrao VOR/DME (SHR)			N28°25.0′ E117°58.2′		
RNAV2	230°/050° 143	2 728	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲XUVGI			N27°31′09″ E116°55′16″		
RNAV2	230°/050° 50	2 728	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲南丰 Nanfeng NDB (NF)			N27°12.5′ E116°33.5′		
RNAV2	230°/050° 47	2 264	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲LEKUV			N26°55′13″ E116°12′37″		
RNAV2	230°/050° 182	1 944	20	↓↑	Guangzhou ACC
▲蟠龙 Panlong VOR/DME (PLT)			N25°48.5′ E114°52.5′		
RNAV2	220°/040° 100	2 028	8	↓↑	Guangzhou ACC
▲南雄 Nanxiong VOR/DME (NNX)			N25°05.7′ E114°16.4′		
RNAV2	194°/014° 85	2 028	8	↓↑	Guangzhou ACC
▲翁源 Wengyuan VOR/DME (WYN)			N24°21.0′ E114°06.7′		
RNAV2	215°/035° 9	2 025	8	↓↑	Guangzhou ACC
▲SALIV			N24°16′51″ E114°03′58″		
RNAV2	215°/035° 23	2 025	8	↓↑	Guangzhou ACC
▲NOLON			N24°06′30″ E113°56′47″		
RNAV2	215°/035° 68	2 025	8	↓↑	Guangzhou ACC
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	215°/035° 75	1 810	8	↓↑	Guangzhou ACC
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
RNAV2	277°/097° 72	1 600	10	↓↑	Guangzhou ACC
▲高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		
RNAV2	285°/105° 69	1 615	20	↓↑	Guangzhou ACC
▲AVPAM			N23°12′30″ E111°49′36″		
RNAV2	285°/105° 31	1 599	20	↓↑	Guangzhou ACC
▲AGRAV			N23°16′18″ E111°31′40″		
RNAV2	285°/105° 40	1 468	20	↓↑	Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲BIPOP			N23°20′58″ E111°08′55″		
RNAV2	285°/105° 45	1 393	20	↓↑	Nanning ACC
▲IGIVI			N23°26′24″ E110°43′15″		
RNAV2	285°/105° 37	1 490	20	↓↑	Nanning ACC
▲ATLAT			N23°30′47″ E110°21′45″		
RNAV2	285°/105° 127	1 868	20	↓↑	Nanning ACC
▲来宾 Laibin VOR/DME (LBN)			N23°45.8′ E109°08.8′		
RNAV2	275°/095° 100	1 396	20	↓↑	Nanning ACC
▲DUDIT			N23°49′15″ E108°09′42″		
RNAV2	275°/095° 32	1 551	20	↓↑	Nanning ACC
▲APUPA			N23°50′12″ E107°51′00″		

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RNAV2	276°/096° 127	1 782	20	↓↑	Nanning ACC
▲百色 Bose VOR/DME (BSE)			N23°55.4′ E106°36.1′		
RNAV2	284°/104° 94	2 127	20	↓↑	百色 VOR/DME: Nanning ACC MEPAN: Kunming ACC
▲MEPAN			N24°06′13″ E105°42′09″		
RNAV2	285°/105° 51	3 201	20	↓↑	Kunming ACC
▲ADBAG			N24°13′18″ E105°13′00″		
RNAV2	285°/105° 154	3 201	20	↓↑	Kunming ACC
▲泸西 Luxi VOR/DME (LXI)			N24°32.5′ E103°44.6′		
RNAV2	298°/118° 98	3 401	20	↓↑	Kunming ACC
△GODUL			N24°55′29″ E102°52′27″		
RNAV2	298°/118° 40	3 401	20	↓↑	Kunming ACC
▲西山 Xishan VOR/DME (SGM)			N25°04.9′ E102°31.2′		
RNAV2	243°/063° 109	3 434	20	↓↑	Kunming ACC
▲GULOT			N24°37′24″ E101°33′51″		
RNAV2	243°/063° 116	3 906	20	↓↑	Kunming ACC
▲MAKUL			N24°07′19″ E100°33′21″		
RNAV2	243°/063° 134	4 030	20	↓↑	Kunming ACC
▲耿马 Gengma VOR/DME (GMA)			N23°31.7′ E099°24.5′		
RNAV2	252°/072° 53	3 577	20	↓↑	Kunming ACC

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▲LINSO 中缅国境点			N23°22′30″ E098°55′00″			

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ENR 3.2.2
B 系列航路
Air routes of Series B

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
B206					
△ADPET			N44°25′03″ E089°41′36″		
RNAV2	339°/159° 172	2 016		↓↑	Urumqi ACC
△NIRAV			N45°52′40″ E088°59′04″		
RNAV2	339°/159° 219	2 740		↓↑	Urumqi ACC
▲阿勒泰 Altay VOR/DME (TAI)			N47°44.8′ E088°05.0′		
RNAV2	339°/159° 156	4 474		↓↑	Urumqi ACC
▲GOPTO 中俄国境点			N49°05′30″ E087°28′00″		
B208					
▲NIXAL 中蒙国境点			N43°12′42″ E110°53′00″		
RNAV2	169°/349° 117	1 947		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LAXAG			N42°12′23″ E111°18′11″		
RNAV2	169°/349° 172	2 806		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		
RNAV2	175°/355° 12	2 573		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲BAXOD			N40°37′25″ E111°55′46″		
RNAV2	175°/355° 25	2 600		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲NUTLO			N40°23′51″ E111°58′47″		
RNAV2	175°/355° 21	2 600		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)

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▲ISBAM			N40°12′33″ E112°01′34″		
RNAV2	175°/355° 25	2 600		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲DUBUB			N39°59′08″ E112°04′52″		
RNAV2	175°/355° 56	2 701		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲TODAM			N39°29′31″ E112°12′03″		
RNAV2	175°/355° 183	3 205		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EKETA			N37°52′29″ E112°35′21″		
RNAV2	175°/355° 14	2 407		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲太原 Taiyuan VOR/DME (TYN)			N37°44.9′ E112°37.2′		
RNAV2	170°/350° 15	2 237		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EXORI			N37°37′24″ E112°39′40″		
RNAV2	170°/350° 65	2 623		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲ANPIG			N37°03′15″ E112°51′01″		
RNAV2	170°/350° 30	2 580		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EGEBI			N36°47′33″ E112°56′12″		
RNAV2	170°/350° 64	2 289		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲长治 Changzhi NDB (SQ)			N36°14.4′ E113°07.0′		
RNAV2	165°/345° 46	2 391		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲PADNO			N35°50′45″ E113°17′36″		
RNAV2	165°/345° 28	2 391		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲TAMIX			N35°36′43″ E113°23′52″		

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RNAV2	165°/345° 20	2 391		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲NOPIN			N35°26′45″ E113°28′17″		
RNAV2	165°/345° 69	2 391		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DUBAG			N34°51′46″ E113°43′46″		
RNAV2	169°/349° 40	1 086		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲新郑 Xinzheng VOR/DME (CGO)			N34°31.1′ E113°50.6′		
RNAV2	147°/327° 98	931		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OBMEP			N33°49′20″ E114°30′16″		
RNAV2	147°/327° 22	656		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲周口 Zhoukou VOR/DME (ZHO)			N33°39.9′ E114°39.3′		
RNAV2	136°/316° 12	654	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GUTOV			N33°35′32″ E114°45′13″		
RNAV2	136°/316° 120	779	20	↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲阜阳 Fuyang VOR/DME (FYG)			N32°53.0′ E115°44.0′		
RNAV2	134°/314° 55	989	20	↓↑	Fuyang VOR/DME: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below) BIPIM: Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲BIPIM			N32°33′56″ E116°10′57″		
RNAV2	134°/314° 66	989	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲GUXUV			N32°11′18″ E116°43′42″		

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RNAV2	134°/314° 35	989	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲MAGLI			N31°59′00″ E117°00′47″		
RNAV2	134°/314° 36	989	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
NIXAL 至呼和浩特 VOR 航段限制飞行高度 8 400 米以上使用，8 400 米（不含）以下或往返呼和浩特/白塔机场的航空器由 NIXAL 经 G343 土木尔台 VOR、G218 至呼和浩特 VOR；往返同。 Segment NIXAL to Hohhot VOR limited to use with en-route altitudes 8 400m or above, aircraft below 8 400m or inbound to/outbound from Hohhot/Baita airport shall fly along NIXAL, G343, Tumurtai VOR, G218 to Hohhot VOR; and vice versa.					
B213					
▲拉萨 Lhasa VOR/DME (LXA)			N29°17.8′ E090°59.9′		
RNP4	064°/244° 278	7 300		↓↑	Lhasa ACC
▲IGELA			N30°23′08″ E093°35′59″		
RNP4	077°/257° 59	7 300		↓↑	Lhasa ACC
▲KADSA			N30°30′39″ E094°11′53″		
RNP4	077°/257° 151	7 091		↓↑	Lhasa ACC
▲OMGEV			N30°50′11″ E095°44′01″		
RNP4	077°/257° 68	6 200		↓↑	Lhasa ACC
▲PARGU			N30°59′00″ E096°25′17″		
RNP4	077°/257° 74	6 200		↓↑	Lhasa ACC
▲昌都 Changdu NDB (RG)			N31°08.8′ E097°10.6′		
RNP4	096°/276° 90	6 020		↓↑	Lhasa ACC
▲IVRUG			N31°04′26″ E098°06′55″		

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RNP4	096°/276° 52	5 724		↓↑	Chengdu ACC
▲DOBSO			N31°01′45″ E098°39′41″		
RNP4	096°/276° 128	5 741		↓↑	Chengdu ACC
▲PEXUN			N30°55′44″ E100°00′00″		
RNP4	096°/276° 182	6 334		↓↑	Chengdu ACC
▲KAMAX			N30°46′58″ E101°54′10″		
RNP4	---/270° 70	6 155		↑	Chengdu ACC
▲NONUG			N30°47′57″ E102°37′59″		
RNP4	---/271° 37	5 964		↑	Chengdu ACC
▲MUMGO			N30°48′22″ E103°01′01″		
RNP4	---/287° 66	5 964		↑	Chengdu ACC
▲崇州 Chongzhou VOR/DME (CZH)			N30°38.7′ E103°41.2′		
RNAV2	110°/290° 26	1 372		↓↑	Chengdu ACC
▲双流 Shuangliu VOR/DME (CTU)			N30°34.4′ E103°56.6′		
RNAV2	088°/268° 29	1 593		↓↑	Chengdu ACC
▲LAXAT			N30°35′27″ E104°14′36″		
RNAV2	088°/268° 24	1 659		↓↑	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
RNAV2	075°/--- 93	1 659		↓	Chengdu ACC
▲UBRAB			N30°50′35″ E105°25′11″		

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RNAV2	078°/--- 58	1 213		↓	Chengdu ACC
▲ESPEG			N30°58′04″ E106°00′32″		
RNAV2	107°/--- 15	1 168		↓	Chengdu ACC
▲ISMAB			N30°55′54″ E106°09′42″		
RNAV2	107°/--- 25	1 424		↓	Chengdu ACC
▲OSPAP			N30°52′22″ E106°24′32″		
RNAV2	139°/--- 8	1 424		↓	Chengdu ACC
▲VELPU			N30°49′19″ E106°27′51″		
RNAV2	140°/--- 18	1 424		↓	Chengdu ACC
▲UNSUV			N30°42′19″ E106°35′28″		
RNAV2	140°/--- 15	1 424		↓	Chengdu ACC
▲VINEX			N30°36′27″ E106°41′48″		
RNAV2	140°/--- 22	2 305		↓	Chengdu ACC
▲AKBEK			N30°27′47″ E106°51′10″		
RNAV2	140°/--- 11	2 305		↓	Chengdu ACC
▲BEGUK			N30°23′15″ E106°56′02″		
RNAV2	140°/--- 3	2 305		↓	Chengdu ACC
▲UPNIM			N30°22′15″ E106°57′07″		
RNAV2	140°/--- 3	2 305		↓	Chengdu ACC
▲IVSOL			N30°21′08″ E106°58′18″		

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RNAV2	140°/--- 32	2 305		↓	Chengdu ACC
▲ALDEL			N30°08′20″ E107°11′27″		
RNAV2	139°/--- 24	1 737		↓	Chengdu ACC
▲EMSOV			N29°59′01″ E107°21′55″		
RNAV2	110°/--- 33	2 400		↓	Chengdu ACC
▲GUTVI			N29°53′53″ E107°41′30″		
RNAV2	077°/--- 65	2 502		↓	Chengdu ACC
▲AKREB			N30°03′42″ E108°20′25″		
RNAV2	077°/--- 22	2 502		↓	Chengdu ACC
▲IGDUL			N30°07′00″ E108°33′42″		
RNAV2	074°/--- 37	2 502		↓	Chengdu ACC
▲KIGUM			N30°13′23″ E108°55′38″		
RNAV2	077°/--- 32	2 678		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲PONEP			N30°18′06″ E109°14′50″		
RNAV2	077°/--- 9	2 678		↓	PONEP : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below) TOSIM : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TOSIM			N30°19′26″ E109°20′18″		
RNAV2	077°/--- 12	2 678		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IGITA			N30°21′15″ E109°27′45″		

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RNAV2	077°/--- 15	2 678		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ENSOX			N30°23′22″ E109°36′32″		
RNAV2	083°/--- 5	2 311		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDNUS			N30°23′47″ E109°39′24″		
RNAV2	084°/--- 157	2 606		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OLPOV			N30°37′27″ E111°16′05″		
RNAV2	085°/--- 20	1 484		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲NIVUV			N30°39′08″ E111°28′39″		
RNAV2	091°/--- 19	1 500		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UBKOX			N30°39′45″ E111°40′34″		
RNAV2	091°/--- 27	1 386		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IGEDU			N30°40′37″ E111°57′45″		
RNAV2	090°/--- 113	951		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天门 Tianmen VOR/DME (WTM)			N30°45.2′ E113°08.5′		
RNAV2	093°/--- 83	899		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OBDON			N30°46′26″ E114°00′51″		
RNAV2	091°/--- 18	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天河 Tianhe VOR/DME (WHA)			N30°46.9′ E114°12.2′		
B215					
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
RNAV2	260°/080° 96	1 064		↓↑	Beijing ACC

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲PEGSO			N38°56′41″ E115°30′19″		
RNAV2	251°/--- 50	1 351		↓	Beijing ACC
▲IDGIS			N38°45′32″ E114°58′40″		
RNAV2	251°/--- 36	1 361		↓	Beijing ACC
▲REVSI			N38°37′26″ E114°35′59″		
RNAV2	251°/--- 8	1 449		↓	Beijing ACC
▲BONLU			N38°35′41″ E114°31′10″		
RNAV2	251°/--- 46	1 990		↓	Beijing ACC
▲ADBES			N38°25′11″ E114°02′20″		
RNAV2	251°/--- 21	2 053		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲VAGBI			N38°20′26″ E113°49′25″		
RNAV2	251°/--- 45	2 350		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲SUGDO			N38°09′57″ E113°21′44″		
RNAV2	251°/--- 75	2 466		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EKETA			N37°52′29″ E112°35′21″		
RNAV2	247°/--- 24	2 802		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲GODON			N37°46′27″ E112°21′06″		
RNAV2	280°/100° 56	3 430		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲OMKAK			N37°50′05″ E111°42′59″		

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RNAV2	280°/100° 19	3 430		↓↑	OMKAK : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) LEBOM : Xi'an ACC
▲LEBOM			N37°51′30″ E111°30′00″		
RNAV2	280°/100° 74	3 430		↓↑	Xi'an ACC
▲APOGO			N37°55′46″ E110°39′53″		
RNAV2	280°/100° 208	2 250		↓↑	Xi'an ACC
▲LUVES			N38°08′46″ E108°18′24″		
RNAV2	281°/101° 49	2 065		↓↑	Xi'an ACC
▲MIMOK			N38°12′01″ E107°45′00″		
RNAV2	281°/101° 118	2 200		↓↑	MIMOK : Xi'an ACC 银川 Yinchuan VOR/DME: Lanzhou ACC
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		
RNAV2	294°/114° 28	3 376		↓↑	Lanzhou ACC
▲NIRUV			N38°26′06″ E106°06′48″		
RNAV2	235°/055° 82	3 741		↓↑	Lanzhou ACC
▲BELIP			N37°59′15″ E105°22′11″		
RNAV2	235°/055° 144	3 454		↓↑	Lanzhou ACC
▲景泰 Jingtai VOR/DME (JTA)			N37°11.8′ E104°04.8′		
RNAV2	279°/--- 146	4 971		↓	Lanzhou ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲ANDIM			N37°21′30″ E102°26′23″		
RNAV2	286°/--- 37	5 390		↓	Lanzhou ACC
▲LELUX			N37°26′15″ E102°02′07″		
RNAV2	286°/--- 32	5 537		↓	Lanzhou ACC
▲LAXEV			N37°30′17″ E101°41′08″		
RNP4	300°/--- 77	5 781		↓	Lanzhou ACC
▲NOGEX			N37°49′45″ E100°55′08″		
RNP4	300°/--- 326	5 853		↓	Lanzhou ACC
▲OMGUP			N39°13′46″ E097°37′33″		
RNP4	298°/--- 57	5 856		↓	Lanzhou ACC
△IGDON			N39°28′01″ E097°02′00″		
RNP4	298°/--- 40	6 015		↓	Lanzhou ACC
▲TODOD			N39°37′51″ E096°37′22″		
RNAV2	297°/--- 141	6 015		↓	Lanzhou ACC
▲NIXUK			N40°12′00″ E095°08′43″		
RNAV2	296°/--- 26	2 504		↓	Lanzhou ACC
▲IBANO			N40°18′21″ E094°52′00″		
RNAV2	009°/189° 175	2 944		↓↑	Lanzhou ACC
▲NUKTI			N41°51′42″ E095°11′58″		
RNAV2	310°/130° 167	2 944	20	↓↑	Urumqi ACC
▲陶家宫 Taojiagong VOR/DME (HAM)			N42°50.6′ E093°40.1′		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	286°/106° 305	4 300	20	↓↑	Urumqi ACC
△IRPEP			N43°40′37″ E090°04′48″		
RNAV2	286°/106° 47	4 282	20	↓↑	Urumqi ACC
△DUBUV			N43°48′15″ E089°31′01″		
RNAV2	286°/106° 59	4 624	20	↓↑	Urumqi ACC
△DUMAM			N43°57′56″ E088°48′42″		
RNAV2	286°/106° 70	4 905	20	↓↑	Urumqi ACC
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
RNAV2	230°/050° 47	2 657	20	↓↑	Urumqi ACC
△乌鲁木齐 Urumqi VOR/DME (WUR)			N43°54.8′ E087°30.5′		
RNP4	234°/054° 36	2 600	20	↓↑	Urumqi ACC
△IGBIS			N43°44′16″ E087°07′41″		
RNP4	234°/054° 40	4 840	20	↓↑	Urumqi ACC
▲KABDO			N43°32′36″ E086°42′58″		
RNP4	233°/053° 25	5 889		↓↑	Urumqi ACC
△AKVOV			N43°25′00″ E086°27′20″		
RNP4	233°/053° 25	5 889		↓↑	Urumqi ACC
△EPDAG			N43°17′37″ E086°12′08″		
RNP4	233°/053° 22	5 889		↓↑	Urumqi ACC
△POSOT			N43°11′00″ E085°58′25″		

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RNP4	233°/053° 194	5 889		↓↑	Urumqi ACC
▲BEBEP			N42°12′38″ E084°00′05″		
RNP4	235°/055° 113	5 073		↓↑	Urumqi ACC
▲龟兹 Qiuci VOR/DME (XKC)			N41°40.6′ E082°50.6′		
RNP4	228°/048° 126	2 792		↓↑	Urumqi ACC
△PAMLI			N40°58′01″ E081°39′50″		
RNP4	230°/050° 157	1 691		↓↑	Urumqi ACC
△LESVI			N40°07′14″ E080°10′17″		
RNP4	230°/050° 100	2 337	20	↓↑	Urumqi ACC
▲LEDEM			N39°35′19″ E079°13′27″		
RNP4	230°/050° 186	2 337	20	↓↑	Urumqi ACC
△MAGIV			N38°34′42″ E077°29′57″		
RNP4	220°/040° 55	2 399	20	↓↑	Urumqi ACC
▲叶尔羌 Yarkant VOR/DME (DSC)			N38°13.3′ E077°04.3′		
RNP4	223°/043° 204	6 600	20	↓↑	Urumqi ACC
▲PURPA 中巴国境点			N36°56′30″ E075°24′30″		
B215 航线银川 VOR-LUVES 航段使用高度为 9500 米(含)以上。 Segments between Yinchuan VOR‘YHD’ and LUVES, En-route altitude 9 500m or above.					
B221					
▲连江 Lianjiang VOR/DME (LJG)			N26°13.2′ E119°32.9′		
RNAV2	038°/218° 32	1 557		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ANLUD			N26°28′09″ E119°43′22″		

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RNAV2	038°/218° 86	1 876		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲RUPOX			N27°07′38″ E120°11′15″		
RNAV2	036°/216° 32	1 770		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲UBDIX			N27°22′07″ E120°21′29″		
RNAV2	036°/216° 50	1 538		↓↑	Shanghai ACC
▲东山 Dongshan VOR/DME (DST)			N27°45.0′ E120°37.8′		
RNAV2	010°/190° 105	1 982		↓↑	Shanghai ACC
△PAMVU			N28°41′30″ E120°43′18″		
RNAV2	010°/190° 19	1 982		↓↑	Shanghai ACC
▲REMIM			N28°51′32″ E120°44′24″		
RNAV2	010°/190° 83	1 982		↓↑	Shanghai ACC
▲嵊州 Shengzhou VOR/DME (SHZ)			N29°36.0′ E120°49.0′		
RNAV2	010°/190° 47	1 612		↓↑	Shanghai ACC
▲SUPAR			N30°01′23″ E120°51′29″		
RNAV2	058°/238° 12	1 045		↓↑	Shanghai ACC
▲OKTUG			N30°05′19″ E120°57′37″		
RNAV2	058°/238° 31	1 045		↓↑	Shanghai ACC
▲庵东 Andong VOR/DME (AND)			N30°15.4′ E121°13.3′		
RNAV2	062°/242° 20	1 046		↓↑	Shanghai ACC
▲GOVNI			N30°21′16″ E121°23′40″		

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RNAV2	062°/242° 90	839		↓↑	Shanghai ACC
▲ELAGO			N30°48′00″ E122°11′00″		
RNAV2	021°/201° 23	804		↓↑	Shanghai ACC
▲NINAS			N31°00′00″ E122°15′00″		
RNAV2	026°/206° 53	600		↓↑	Shanghai ACC
▲PINOT			N31°27′00″ E122°27′00″		
RNAV2	344°/164° 21	658		↓↑	Shanghai ACC
▲ALDAP			N31°37′31″ E122°22′14″		
RNAV2	344°/164° 16	600		↓↑	Shanghai ACC
▲EKVUT			N31°45′25″ E122°18′37″		
RNAV2	344°/164° 8	600		↓↑	Shanghai ACC
▲IBEGI			N31°49′25″ E122°16′33″		
RNAV2	344°/164° 170	658		↓↑	Shanghai ACC
▲ODULO			N33°15′09″ E121°37′14″		
RNAV2	344°/164° 50	600		↓↑	Shanghai ACC
▲GORPI			N33°40′07″ E121°24′22″		
RNAV2	344°/164° 178	600		↓↑	Shanghai ACC
▲VEVED			N35°09′08″ E120°41′35″		
RNAV2	344°/164° 27	600		↓↑	Qingdao ACC
▲IDVEL			N35°22′51″ E120°34′55″		

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RNAV2	344°/164° 10	600		↓↑	Qingdao ACC
▲AVLOK			N35°27′37″ E120°32′37″		
RNAV2	344°/164° 62	1 325		↓↑	Qingdao ACC
▲薛家岛 Xuejiadao VOR/DME (XDX)			N35°58.7′ E120°17.4′		
B330					
▲MORIT 中蒙国境点			N42°02′00″ E102°49′00″		
RNAV2	183°/003° 59	2 507	20	↓↑	Lanzhou ACC
▲GOBIN			N41°29′58″ E102°48′27″		
RNAV2	183°/003° 231	2 470	20	↓↑	Lanzhou ACC
▲雅布赖 Yabrai VOR/DME (YBL)			N39°25.3′ E102°46.5′		
RNAV2	158°/338° 223	3 514	20	↓↑	Lanzhou ACC
▲AKMAT			N37°36′06″ E103°50′35″		
RNAV2	158°/338° 50	3 514	20	↓↑	Lanzhou ACC
▲景泰 Jingtai VOR/DME (JTA)			N37°11.8′ E104°04.8′		
RNAV2	180°/360° 38	3 812	20	↓↑	Lanzhou ACC
▲MUDAP			N36°51′00″ E104°05′45″		
RNAV2	180°/360° 36	3 000	20	↓↑	Lanzhou ACC
▲SUNUV			N36°31′46″ E104°06′45″		
RNAV2	180°/360° 28	3 009	20	↓↑	Lanzhou ACC
▲XIXAN			N36°16′46″ E104°07′29″		
RNAV2	180°/360° 56	4 207	20	↓↑	Lanzhou ACC

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▲BESMI			N35°46′33″ E104°09′07″		
RNAV2	180°/360° 89	4 490	20	↓↑	Lanzhou ACC
△ELPAN			N34°58′33″ E104°11′29″		
RNAV2	180°/360° 180	5 095	20	↓↑	Lanzhou ACC
▲OMBON			N33°21′26″ E104°16′15″		
RNAV2	158°/--- 73	4 897		↓	Lanzhou ACC
▲OVRAL			N32°45′45″ E104°35′17″		
RNAV2	180°/--- 22	4 595		↓	Lanzhou ACC
▲AKVEP			N32°33′50″ E104°35′49″		
RNAV2	180°/--- 18	4 447		↓	Chengdu ACC
▲PIMEL			N32°24′24″ E104°36′15″		
RNAV2	179°/--- 70	4 050		↓	Chengdu ACC
▲MEXAD			N31°46′48″ E104°38′18″		
RNAV2	180°/--- 82	2 864		↓	Chengdu ACC
▲UBKER			N31°02′53″ E104°40′02″		
RNAV2	176°/--- 20	1 646		↓	Chengdu ACC
▲VIMAM			N30°51′54″ E104°41′16″		
RNAV2	176°/--- 34	1 646		↓	Chengdu ACC
▲BUVUR			N30°33′51″ E104°43′18″		
RNAV2	177°/--- 138	1 402		↓	Chengdu ACC
▲IDBOR			N29°20′03″ E104°51′27″		

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RNAV2	158°/--- 25	1 147		↓	Chengdu ACC
▲IGUNI			N29°07′32″ E104°57′46″		
RNAV2	158°/--- 21	1 147		↓	Chengdu ACC
▲LEVTO			N28°56′58″ E105°03′06″		
RNAV2	158°/--- 21	1 296		↓	Chengdu ACC
▲MEPER			N28°46′40″ E105°08′15″		
RNAV2	154°/--- 91	2 394		↓	Chengdu ACC
▲NIXID			N28°03′09″ E105°34′27″		
RNAV2	174°/--- 9	2 394		↓	Chengdu ACC
▲ALGAB			N27°58′29″ E105°35′11″		
RNAV2	174°/--- 20	2 419		↓	Chengdu ACC
▲SAMIV			N27°47′55″ E105°36′51″		
RNAV2	154°/--- 15	2 648		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲IDSEG			N27°40′50″ E105°41′10″		
RNAV2	156°/336° 79	2 699	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲黔西 Qianxi VOR/DME (QNX)			N27°02.5′ E106°01.8′		
RNAV2	129°/309° 95	2 490	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲贵阳 Guiyang VOR/DME (KWE)			N26°31.4′ E106°47.7′		
RNAV2	109°/289° 26	2 496	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲KAGRA			N26°27′24″ E107°02′26″		

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RNAV2	109°/289° 87	2 486	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲ESNIB			N26°14′03″ E107°52′47″		
RNAV2	109°/289° 54	2 483	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲ELKAL			N26°05′48″ E108°23′50″		
RNAV2	109°/289° 34	2 156	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲AKNAV			N26°00′33″ E108°43′38″		
RNAV2	109°/289° 92	1 926	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲三江 Sanjiang VOR/DME (SJG)			N25°46.6′ E109°36.6′		
RNAV2	138°/318° 88	2 450	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲MAMSI			N25°12′17″ E110°12′44″		
RNAV2	138°/318° 30	2 450	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲RUSES			N25°00′40″ E110°25′01″		
RNAV2	138°/318° 52	2 450	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲二塘 Ertang NDB (QP)			N24°40.2′ E110°46.6′		
RNAV2	138°/318° 72	1 972	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲MUBEL			N24°12′35″ E111°16′14″		
RNAV2	156°/336° 96	1 816	20	↓↑	Guangzhou ACC
▲UKMAX			N23°26′16″ E111°42′00″		
RNAV2	156°/336° 29	1 599	20	↓↑	Guangzhou ACC
▲AVPAM			N23°12′30″ E111°49′36″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	105°/285° 69	1 615	20	↓↑	Guangzhou ACC
▲高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		
RNAV2	097°/--- 72	1 600	10	↓	Guangzhou ACC
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
RNAV2	139°/--- 101	1 535	20	↓	Guangzhou ACC
▲TAMOT			N22°21′30″ E113°52′00″		
B332					
▲SANKO			N38°15′00″ E122°27′12″		
RNAV2	077°/257° 134	600		↓↑	Dalian ACC
▲BIGBU			N38°41′03″ E123°53′22″		
RNAV2	077°/257° 10	600		↓↑	Dalian ACC
▲TOMUK			N38°43′00″ E124°00′00″		
B334					
▲怀柔 Huairou VOR/DME (HUR)			N40°19.8′ E116°44.9′		
RNAV2	013°/193° 48	2 135		↓↑	Beijing ACC
▲DOTRA			N40°45′26″ E116°48′07″		
RNAV2	009°/--- 105	2 564		↓	Beijing ACC
▲MAVMI			N41°42′16″ E116°51′06″		
RNAV2	073°/--- 94	2 444		↓	Beijing ACC
▲NIRUG			N42°03′27″ E117°52′46″		

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航路代号 Route designator					
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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	073°/--- 34	2 371		↓	NIRUG : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) KAKAT : Shenyang ACC
▲KAKAT			N42°11′00″ E118°15′18″		
RNAV2	072°/252° 203	2 357		↓↑	Shenyang ACC
▲LELOG			N42°57′59″ E120°29′20″		
RNAV2	072°/252° 153	2 357		↓↑	Shenyang ACC
▲通辽 Tongliao VOR/DME (TGO)			N43°33.6′ E122°11.8′		
B339					
▲POLHO 中蒙国境点			N44°47′00″ E113°15′00″		
RNAV2	152°/332° 226	2 399		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲ERVEB			N43°06′44″ E114°51′50″		
RNAV2	152°/332° 115	2 240		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UNTEN			N42°15′46″ E115°40′11″		
RNAV2	152°/332° 41	2 362		↓↑	Beijing ACC (Above 7800m) Hohhot ACC(7800m or below)
▲ASILA			N41°57′31″ E115°57′07″		
RNAV2	---/336° 93	2 847		↑	Beijing ACC
▲AVMOS			N41°14′32″ E116°31′24″		
RNAV2	---/003° 52	2 691		↑	Beijing ACC
▲IDKEX			N40°46′40″ E116°34′00″		
RNAV2	170°/350° 52	2 315		↓↑	Beijing ACC

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲怀柔 Huairou VOR/DME (HUR)			N40°19.8′ E116°44.9′		
RNAV2	178°/358° 60	2 135		↓↑	Beijing ACC
▲SOTMU			N39°47′58″ E116°51′16″		
RNAV2	178°/358° 75	1 197		↓↑	Beijing ACC
▲LADIX			N39°07′46″ E116°59′32″		
B345					
▲NONIM 中尼国境点			N27°50′00″ E087°26′00″		
	047°/227° 88	7 276		↓↑	Lhasa ACC
▲OLGUT			N28°22′35″ E088°04′47″		
	047°/227° 159	6 614		↓↑	Lhasa ACC
▲日喀则 Rikaze VOR/DME (RKZ)			N29°21.3′ E089°16.3′		
	092°/272° 90	6 716		↓↑	Lhasa ACC
▲IKUBI			N29°19′36″ E090°11′34″		
	092°/272° 78	6 716		↓↑	Lhasa ACC
▲拉萨 Lhasa VOR/DME (LXA)			N29°17.8′ E090°59.9′		
B451					
▲海拉尔 Hailar VOR/DME (HLD)			N49°12.2′ E119°49.3′		
RNP4	136°/316° 267	2 056		↓↑	Harbin ACC
▲TEPOD			N47°48′07″ E122°46′10″		
RNP4	136°/316° 106	1 232		↓↑	Harbin ACC
▲齐齐哈尔 Qiqihar VOR/DME (NDG)			N47°14.7′ E123°55.2′		
RNAV2	145°/325° 152	830		↓↑	Harbin ACC

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲ONINA			N46°16′17″ E125°20′09″		
RNAV2	145°/325° 101	830		↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
RNAV2	143°/323° 98	2 290		↓↑	Harbin ACC
▲KETOV			N45°01′46″ E127°10′37″		
RNAV2	143°/323° 148	2 290		↓↑	Harbin ACC
▲UGABI			N44°07′36″ E128°33′00″		
RNAV2	144°/324° 62	2 143		↓↑	Harbin ACC
▲IGDUT			N43°44′37″ E129°07′06″		
RNAV2	144°/324° 74	1 843		↓↑	Dalian ACC
▲汪清 Wangqing VOR/DME (WQG)			N43°17.6′ E129°47.1′		
RNAV2	104°/284° 115	2 060		↓↑	Shenyang ACC
▲BISUN 中俄国境点			N43°14′00″ E131°11′48″		
B458					
▲二连浩特 Erenhot VOR/DME (LHT)			N43°24.8′ E112°07.6′		
RNAV2	162°/342° 194	2 360		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
RNAV2	161°/341° 70	2 433		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲EMVEM			N41°16′32″ E113°30′52″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	161°/341° 95	2 889		↓↑	EMVEM : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) BIKUT : Beijing ACC
▲BIKUT			N40°30′25″ E113°59′32″		
RNAV2	161°/341° 12	2 889		↓↑	Beijing ACC
▲天镇 Tianzhen VOR/DME (TZH)			N40°24.5′ E114°03.1′		
RNAV2	175°/355° 15	2 870		↓↑	Beijing ACC
▲PUKOL			N40°16′34″ E114°05′09″		
RNAV2	175°/355° 26	2 891		↓↑	Beijing ACC
▲VIGEK			N40°02′54″ E114°08′38″		
RNAV2	175°/355° 75	3 021		↓↑	Beijing ACC
▲MUGUT			N39°23′03″ E114°19′05″		
RNAV2	175°/355° 8	2 793		↓↑	Beijing ACC
▲IPLEV			N39°18′51″ E114°20′10″		
RNAV2	175°/355° 17	2 793		↓↑	Beijing ACC
▲IDRUB			N39°09′51″ E114°22′29″		
RNAV2	175°/355° 11	2 793		↓↑	Beijing ACC
▲VADKA			N39°04′06″ E114°23′58″		
RNAV2	175°/355° 32	2 337		↓↑	Beijing ACC
▲SAKRI			N38°47′23″ E114°28′12″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	175°/355° 22	2 333		↓↑	Beijing ACC
▲BONLU			N38°35′41″ E114°31′10″		
RNAV2	175°/355° 16	1 449		↓↑	Beijing ACC
▲行唐 Xingtang NDB (OC)			N38°27.3′ E114°33.3′		
RNAV2	175°/355° 107	1 074		↓↑	Beijing ACC
▲VERUX			N37°30′07″ E114°46′00″		
RNAV2	175°/355° 25	735		↓↑	Beijing ACC
▲AVBER			N37°17′00″ E114°48′51″		
RNAV2	175°/355° 105	724		↓↑	AVBER: Beijing ACC DADGA: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DADGA			N36°21′22″ E115°01′40″		
B591					
▲BOLEX			N31°00′00″ E123°00′00″		
RNAV2	117°/297° 71	600		↓↑	Shanghai ACC
▲MIGOL			N30°45′46″ E123°41′39″		
RNAV2	185°/005° 229	600		↓↑	Shanghai ACC
▲KASKA			N28°41′57″ E123°41′39″		
飞行高度 8 400 米（不含）以上；往返同。 En-route altitudes above 8 400m; and vice versa.					

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ENR 3.2.3
G 系列航路
Air routes of Series G

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
G204					
▲黄山 Huangshan VOR/DME (TXN)			N29°44.3′ E118°15.2′		
RNAV2	100°/280° 44	2 050		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲IDBIN			N29°41′50″ E118°42′18″		
RNAV2	100°/280° 44	1 942		↓↑	Shanghai ACC
▲OREXA			N29°39′20″ E119°09′32″		
RNAV2	100°/280° 15	1 776		↓↑	Shanghai ACC
▲ABVIL			N29°38′30″ E119°18′54″		
RNAV2	098°/278° 17	2 050		↓↑	Shanghai ACC
▲ELNEX			N29°37′54″ E119°29′24″		
RNAV2	096°/276° 16	1 846		↓↑	Shanghai ACC
▲UGAGO			N29°37′39″ E119°39′02″		
RNAV2	096°/276° 58	1 846		↓↑	Shanghai ACC
▲MULOV			N29°36′51″ E120°14′52″		
RNAV2	096°/276° 55	1 846		↓↑	Shanghai ACC
▲嵊州 Shengzhou VOR/DME (SHZ)			N29°36.0′ E120°49.0′		
RNAV2	033°/213° 47	1 617		↓↑	Shanghai ACC
▲VEXEX			N29°58′23″ E121°02′45″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	033°/213° 36	1 617		↓↑	Shanghai ACC
▲庵东 Andong VOR/DME (AND)			N30°15.4′ E121°13.3′		
RNAV2	012°/192° 22	1 232		↓↑	Shanghai ACC
▲DADAT			N30°27′00″ E121°14′48″		
RNAV2	012°/192° 75	1 232		↓↑	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
G212					
▲ARGUK 中俄国境点			N47°53′00″ E134°39′30″		
RNAV2	---/042° 2	722	20	↑	Harbin ACC
▲海青 Haiqing NDB (IJ)			N47°52.1′ E134°38.7′		
RNAV2	---/081° 335	1 223	20	↑	Harbin ACC
▲佳木斯 Jiamusi VOR/DME (JMU)			N46°50.5′ E130°27.9′		
RNAV2	258°/078° 253	1 834	20	↓↑	Harbin ACC
▲IGADO			N45°57′48″ E127°24′44″		
RNAV2	258°/078° 97	1 834	20	↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
RNAV2	245°/065° 102	864	20	↓↑	Harbin ACC
▲EKADO			N45°06′05″ E125°11′12″		
RNAV2	245°/065° 37	890	20	↓↑	Harbin ACC
▲扶余 Fuyu VOR/DME (FYU)			N44°54.7′ E124°48.2′		
RNAV2	243°/063° 67	918	20	↓↑	Harbin ACC

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲RUSBO			N44°33′37″ E124°07′06″		
RNAV2	243°/063° 20	850	20	↓↑	Harbin ACC
▲OTABO			N44°27′15″ E123°54′54″		
RNAV2	243°/063° 97	850	20	↓↑	Shenyang ACC
▲DULEX			N43°56′19″ E122°55′41″		
RNAV2	243°/063° 72	998	20	↓↑	Shenyang ACC
▲通辽 Tongliao VOR/DME (TGO)			N43°33.6′ E122°11.8′		
RNAV2	242°/062° 383	2 460		↓↑	Tongliao VOR/DME: Shenyang ACC UKDUM: Beijing ACC
▲UKDUM			N41°29′51″ E118°26′40″		
RNAV2	246°/066° 98	2 460		↓↑	Beijing ACC
▲MUDAM			N41°01′58″ E117°26′40″		
RNAV2	208°/028° 38	2 625		↓↑	Beijing ACC
▲BUMDU			N40°42′50″ E117°16′55″		
RNAV2	207°/027° 108	2 625		↓↑	Beijing ACC
▲SOTMU			N39°47′58″ E116°51′16″		
RNAV2	207°/027° 72	729		↓↑	Beijing ACC
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
RNAV2	246°/066° 105	636		↓↑	Beijing ACC
▲BELAX			N38°43′12″ E115°31′35″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	---/071° 29	689		↑	Beijing ACC
▲TEKIL			N38°36′32″ E115°13′25″		
RNAV2	---/071° 14	709		↑	Beijing ACC
▲POXUS			N38°33′16″ E115°04′32″		
RNAV2	---/071° 32	1 027		↑	Beijing ACC
▲PINAP			N38°25′56″ E114°44′53″		
RNAV2	---/071° 2	1 027		↑	Beijing ACC
▲AMVOG			N38°25′23″ E114°43′24″		
RNAV2	---/070° 60	1 694		↑	Beijing ACC
▲TONOV			N38°11′20″ E114°06′24″		
RNAV2	---/070° 60	2 132		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲ISLEP			N37°57′07″ E113°29′29″		
RNAV2	---/070° 58	2 315		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲PARTU			N37°43′13″ E112°54′13″		
RNAV2	---/067° 24	2 200		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EXORI			N37°37′24″ E112°39′40″		
RNAV2	---/067° 16	2 200		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲AVKES			N37°33′30″ E112°29′57″		
RNAV2	---/067° 60	2 441		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲NITID			N37°18′51″ E111°53′51″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	---/067° 13	2 508		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲UDIGU			N37°15′33″ E111°45′48″		
RNAV2	---/067° 119	2 652		↑	Xi'an ACC
▲TUTNA			N36°45′38″ E110°34′25″		
RNAV2	---/067° 94	2 122		↑	Xi'an ACC
▲VENBA			N36°21′30″ E109°38′41″		
RNAV2	---/024° 69	2 122		↑	Xi'an ACC
▲洛川 Luochuan VOR/DME (WJC)			N35°46.7′ E109°22.6′		
RNAV2	202°/022° 112	2 248	8	↓↑	Xi'an ACC
▲觅子 Mizi VOR/DME (MIZ)			N34°49.2′ E108°59.7′		
RNAV2	199°/019° 26	2 332	8	↓↑	Xi'an ACC
▲三原 Sanyuan NDB (OD)			N34°35.9′ E108°54.9′		
RNAV2	191°/011° 42	2 200		↓↑	Xi'an ACC
▲烟庄 Yanzhuang NDB (ZS)			N34°13.3′ E108°51.2′		
RNAV2	210°/030° 112	3 616	10	↓↑	Xi'an ACC
▲宁陕 Ningshan VOR/DME (NSH)			N33°19.1′ E108°18.7′		
RNAV2	236°/056° 95	3 300	20	↓↑	Xi'an ACC
▲ONEBA			N32°48′37″ E107°29′43″		
RNAV2	236°/056° 91	3 300	20	↓↑	Xi'an ACC
▲SUBUL			N32°19′39″ E106°42′37″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	236°/--- 4	2 689	20	↓	Chengdu ACC
▲IGLEX			N32°18′19″ E106°40′28″		
RNAV2	235°/--- 51	2 715		↓	Chengdu ACC
▲SAMOB			N32°01′56″ E106°14′29″		
RNAV2	236°/--- 113	1 964		↓	Chengdu ACC
▲BUPMI			N31°25′18″ E105°17′23″		
RNAV2	237°/--- 72	1 646		↓	Chengdu ACC
▲UBKER			N31°02′53″ E104°40′02″		
RNAV2	236°/--- 33	1 646		↓	Chengdu ACC
▲金堂 Jintang VOR/DME (JTG)			N30°52.3′ E104°23.4′		
RNAV2	206°/--- 34	1 659		↓	Chengdu ACC
▲LAXAT			N30°35′27″ E104°14′36″		
RNAV2	206°/--- 10	1 659		↓	Chengdu ACC
▲柏鹤寺 Baihesi VOR/DME (BHS)			N30°30.7′ E104°12.0′		
RNAV2	189°/--- 126	1 659		↓	Chengdu ACC
▲LUVEN			N29°23′23″ E104°02′00″		
RNAV2	181°/--- 91	2 594		↓	Chengdu ACC
▲BOPTU			N28°34′34″ E104°02′41″		
RNAV2	214°/--- 148	4 466		↓	Chengdu ACC
▲IGEKA			N27°26′53″ E103°15′24″		

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RNAV2	203°/--- 25	4 569		↓	IGEKA : Chengdu ACC UGVES : Kunming ACC
▲UGVES			N27°14′34″ E103°09′57″		
RNAV2	203°/--- 67	4 569		↓	Kunming ACC
▲TUVKI			N26°40′45″ E102°55′04″		
RNAV2	203°/--- 62	4 945		↓	Kunming ACC
▲NIXAS			N26°09′25″ E102°41′25″		
RNAV2	189°/009° 121	4 950		↓↑	Kunming ACC
▲西山 Xishan VOR/DME (SGM)			N25°04.9′ E102°31.2′		
G218					
▲POLHO 中蒙国境点			N44°47′00″ E113°15′00″		
RNAV2	187°/007° 197	2 378		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
△UKBAD			N43°00′45″ E113°11′26″		
RNAV2	187°/007° 130	2 378		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
RNAV2	226°/046° 11	2 360		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲OSRUR			N41°46′15″ E113°04′06″		
RNAV2	226°/046° 45	2 556		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IGPAS			N41°27′36″ E112°43′08″		
RNAV2	226°/046° 58	2 845		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲SUROS			N41°03′49″ E112°15′49″		

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RNAV2	226°/046° 48	2 806		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		
G221					
▲BUNTA			N16°50′00″ E109°23′42″		
RNAV2	343°/163° 78	600		↓↑	Sanya ACC
▲SAGSU			N17°30′06″ E109°09′48″		
RNAV2	002°/182° 19	600		↓↑	Sanya ACC
▲KAGUK			N17°40′11″ E109°09′54″		
RNAV2	002°/182° 71	1 375		↓↑	Sanya ACC(Above 7200m) Sanya APP(7200m or below)
▲三亚 Sanya VOR/DME (SYX)			N18°18.6′ E109°10.4′		
RNAV2	052°/232° 32	1 932		↓↑	Sanya ACC(Above 7200m) Sanya APP(7200m or below)
▲抱龙 Baolong NDB (WL)			N18°29.3′ E109°24.2′		
RNAV2	026°/206° 82	2 391		↓↑	Sanya APP(7200m or below) Sanya ACC
▲GULUN			N19°09′46″ E109°43′34″		
RNAV2	026°/206° 11	2 373		↓↑	Sanya APP(7200m or below) Sanya ACC
▲UPRIS			N19°15′00″ E109°46′09″		
RNAV2	026°/206° 16	2 011		↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲ANPIM			N19°22′44″ E109°49′49″		
RNAV2	026°/206° 78	2 011		↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲南盈滨岛 Nanyingbindao VOR/DME (NYB)			N20°00.9′ E110°08.2′		
RNAV2	036°/216° 66	822		↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)

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▲SAMAS			N20°30′18″ E110°29′42″		
RNAV2	051°/231° 77	1 469		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲GIVIV			N20°57′14″ E111°03′19″		
RNAV2	051°/231° 105	1 469		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲BIGRO			N21°34′12″ E111°49′36″		
C、D 类航空器飞行高度 6 900 米—11 900 米。 En-route altitudes for aircrafts CAT C and D 6 900m—11 900m.					
G327					
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
RNAV2	104°/284° 88	1 232		↓↑	Shanghai ACC
▲NINAS			N31°00′00″ E122°15′00″		
RNAV2	095°/275° 17	600		↓↑	Shanghai ACC
▲LASAN			N31°00′00″ E122°25′28″		
RNAV2	095°/275° 21	600		↓↑	Shanghai ACC
▲BONGI			N31°00′00″ E122°38′53″		
RNAV2	095°/275° 34	600		↓↑	Shanghai ACC
▲BOLEX			N31°00′00″ E123°00′00″		
RNAV2	060°/240° 64	600		↓↑	Shanghai ACC
▲TONIX			N31°19′56″ E123°32′38″		
RNAV2	060°/240° 53	600		↓↑	Shanghai ACC
▲LAMEN			N31°36′36″ E124°00′00″		
G330					
▲南翔 Nanxiang NDB (PK)			N31°17.0′ E121°19.8′		

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RNAV2	317°/137° 27	1 232		↓↑	Shanghai ACC
▲POMOK			N31°27′00″ E121°07′00″		
RNAV2	341°/161° 36	707		↓↑	Shanghai ACC
▲XIREM			N31°44′42″ E120°57′31″		
RNAV2	341°/161° 51	707		↓↑	Shanghai ACC
▲PIKAS			N32°10′00″ E120°44′00″		
RNAV2	281°/101° 42	858		↓↑	Shanghai ACC
▲UNTAN			N32°12′14″ E120°17′04″		
RNAV2	281°/101° 49	858		↓↑	Shanghai ACC
▲PIMOL			N32°14′45″ E119°45′42″		
G332					
▲朝阳 Chaoyang VOR/DME (CHG)			N41°32.2′ E120°26.0′		
RNAV2	266°/086° 157	2 338		↓↑	Chaoyang VOR/DME: Shenyang ACC OPIMU: Beijing ACC
▲OPIMU			N41°14′12″ E118°35′38″		
RNAV2	263°/083° 47	2 338		↓↑	Beijing ACC
▲承德 Chengde VOR/DME (DHC)			N41°07.7′ E118°02.8′		
RNAV2	266°/086° 52	2 084		↓↑	Beijing ACC
▲MUDAM			N41°01′58″ E117°26′40″		
G338					
▲SARUL 中蒙国境点			N48°30′54″ E115°47′12″		

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RNP4	072°/252° 111	1 587		↓↑	Harbin ACC
▲IKARU			N48°57′19″ E117°08′59″		
RNP4	072°/252° 77	1 406		↓↑	Harbin ACC
▲KAGAK			N49°16′00″ E118°06′00″		
G341					
▲通辽 Tongliao VOR/DME (TGO)			N43°33.6′ E122°11.8′		
RNAV2	095°/275° 81	998		↓↑	Shenyang ACC
▲UGRUP			N43°36′52″ E123°11′54″		
RNAV2	095°/275° 89	842		↓↑	Shenyang ACC
▲BUTET			N43°40′52″ E124°17′49″		
RNAV2	095°/275° 125	1 150		↓↑	Shenyang ACC
▲万昌 Wanchang VOR/DME (LJB)			N43°46.4′ E125°51.1′		
RNAV2	108°/288° 10	1 241		↓↑	Shenyang ACC
▲APESI			N43°45′37″ E125°58′04″		
RNAV2	108°/288° 107	1 864		↓↑	Shenyang ACC
▲IDVOT			N43°37′24″ E127°17′00″		
RNAV2	110°/290° 42	1 867		↓↑	Shenyang ACC
▲UPNUX			N43°33′32″ E127°47′41″		
RNAV2	110°/290° 40	1 867		↓↑	Dalian ACC
▲OMBAD			N43°29′42″ E128°17′04″		
RNAV2	110°/290° 64	1 890		↓↑	Dalian ACC

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▲KANVU			N43°23′39″ E129°03′55″		
RNAV2	110°/290° 59	1 890		↓↑	Dalian ACC
▲汪清 Wangqing VOR/DME (WQG)			N43°17.6′ E129°47.1′		
G343					
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
RNAV2	315°/135° 133	2 377		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
△ASURI			N42°36′09″ E111°54′02″		
RNAV2	315°/135° 107	2 377		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲NIXAL 中蒙国境点			N43°12′42″ E110°53′00″		
G345					
▲UNTAN			N32°12′14″ E120°17′04″		
RNAV2	247°/067° 61	750		↓↑	Shanghai ACC
▲奔牛 Benniu NDB (ZJ)			N31°56.5′ E119°42.6′		
RNAV2	248°/068° 34	1 058		↓↑	Shanghai ACC
△PIMUS			N31°48′18″ E119°23′30″		
RNAV2	248°/068° 30	1 058		↓↑	Shanghai ACC
▲OBLAP			N31°40′48″ E119°06′28″		
RNAV2	248°/068° 7	1 058		↓↑	Shanghai ACC
▲OLRIS			N31°39′01″ E119°02′25″		
G455					
▲南翔 Nanxiang NDB (PK)			N31°17.0′ E121°19.8′		
RNAV2	084°/264° 19	1 232		↓↑	Shanghai ACC

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▲TOSAS			N31°19′00″ E121°31′30″		
RNAV2	084°/264° 31	1 232		↓↑	Shanghai ACC
▲横沙 Hengsha VOR/DME (HSH)			N31°22.1′ E121°50.8′		
RNAV2	066°/246° 57	1 232		↓↑	Shanghai ACC
▲ALDAP			N31°37′31″ E122°22′14″		
RNAV2	087°/267° 25	600		↓↑	Shanghai ACC
▲MATNU			N31°39′36″ E122°38′00″		
RNAV2	087°/267° 14	600		↓↑	Shanghai ACC
▲EMSAN			N31°40′43″ E122°46′30″		
RNAV2	087°/267° 69	600		↓↑	Shanghai ACC
▲SURAK			N31°46′24″ E123°29′30″		
RNAV2	116°/296° 51	600		↓↑	Shanghai ACC
▲LAMEN			N31°36′36″ E124°00′00″		
G470					
▲奇台 Qitai VOR/DME (QTV)			N43°59.3′ E089°36.7′		
RNAV2	130°/310° 51	4 282	20	↓↑	Urumqi ACC
△IRPEP			N43°40′37″ E090°04′48″		
RNAV2	130°/310° 50	4 400	20	↓↑	Urumqi ACC
▲ESBID			N43°22′24″ E090°32′05″		
RNAV2	134°/314° 77	4 248	20	↓↑	Urumqi ACC
△TAMOX			N42°52′55″ E091°12′27″		

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RNAV2	147°/327° 85	1 733	20	↓↑	Urumqi ACC
▲AKLAS			N42°13′49″ E091°44′45″		
RNAV2	129°/309° 228	2 540	20	↓↑	Urumqi ACC
▲BIKNO			N40°54′54″ E093°50′53″		
RNAV2	---/308° 109	2 540		↑	Lanzhou ACC
▲IBANO			N40°18′21″ E094°52′00″		
飞行高度 6 000 米至 12 500 米；往返同。 En-route altitudes 6 000m—12 500m; and vice versa.					
G471					
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
RNAV2	085°/--- 70	1 200		↓	Guangzhou ACC
▲石龙 Shilong VOR/DME (SHL)			N23°05.5′ E113°51.0′		
RNAV2	041°/--- 28	1 826		↓	Guangzhou ACC
▲ISLOM			N23°17′24″ E114°01′13″		
RNAV2	041°/--- 51	1 826		↓	Guangzhou ACC
▲龙门 Longmen VOR/DME (LMN)			N23°38.9′ E114°19.6′		
RNAV2	041°/--- 88	1 909		↓	Guangzhou ACC
▲XEBUL			N24°17′00″ E114°51′00″		
RNAV2	017°/--- 33	1 909		↓	Guangzhou ACC
△DOPKU			N24°34′15″ E114°55′16″		
RNAV2	017°/--- 22	1 832		↓	Guangzhou ACC
▲VAVSO			N24°45′37″ E114°58′05″		

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RNAV2	017°/--- 67	1 579		↓	Guangzhou ACC
▲EGEDA			N25°20′54″ E115°06′42″		
RNAV2	338°/--- 56	1 785		↓	Guangzhou ACC
▲蟠龙 Panlong VOR/DME (PLT)			N25°48.5′ E114°52.5′		
G586					
▲翁源 Wengyuan VOR/DME (WYN)			N24°21.0′ E114°06.7′		
RNAV2	280°/100° 71	2 186		↓↑	Guangzhou ACC
▲MOLSO			N24°25′17″ E113°25′20″		
RNAV2	280°/100° 40	2 186		↓↑	Guangzhou ACC
▲PUNIR			N24°27′42″ E113°01′44″		
RNAV2	279°/099° 29	2 232		↓↑	Guangzhou ACC
▲OSNOV			N24°29′24″ E112°44′35″		
RNAV2	279°/099° 147	2 395		↓↑	OSNOV : Guangzhou ACC ALGAG : Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲ALGAG			N24°37′31″ E111°18′03″		
RNAV2	278°/098° 53	2 300		↓↑	Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲二塘 Ertang NDB (QP)			N24°40.2′ E110°46.6′		
RNAV2	318°/138° 52	2 450		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲RUSES			N25°00′40″ E110°25′01″		
RNAV2	318°/138° 30	2 450		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)

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▲MAMSI			N25°12′17″ E110°12′44″		
RNAV2	318°/138° 88	2 450		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲三江 Sanjiang VOR/DME (SJG)			N25°46.6′ E109°36.6′		
RNAV2	324°/144° 94	1 912		↓↑	Sanjiang VOR/DME: Guangzhou ACC(Above 7800m) NanningACC(7800m or below) LAGEX : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲LAGEX			N26°25′48″ E109°01′35″		
G588					
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
RNAV2	020°/200° 46	2 340		↓↑	Urumqi ACC
△MULOR			N44°33′19″ E088°12′16″		
RNAV2	020°/200° 23	1 300		↓↑	Urumqi ACC
△REDUB			N44°44′55″ E088°19′03″		
RNAV2	020°/200° 136	1 590		↓↑	Urumqi ACC
△NIRAV			N45°52′40″ E088°59′04″		
RNAV2	020°/200° 110	2 242		↓↑	Urumqi ACC
▲富蕴 Fuyun VOR/DME (XFY)			N46°47.7′ E089°32.4′		
RNAV2	042°/222° 98	4 395		↓↑	Urumqi ACC
▲TEBUS 中蒙国境点			N47°25′06″ E090°27′42″		
G597					
△DONVO			N37°34′00″ E123°20′00″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	134°/314° 74	600	20	↓↑	Qingdao ACC
▲AGAVO			N37°10′00″ E124°00′00″		

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ENR 3.2.4
R 系列航路
Air routes of Series R

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
R200					
▲OLDID			N23°00′00″ E117°30′00″		
RNAV2	270°/090° 12	1 121		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲LAPUG			N22°59′41″ E117°22′50″		
RNAV2	270°/090° 104	1 121		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲BEBEM			N22°57′00″ E116°21′38″		
RNAV2	266°/086° 35	1 205		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲AVBEP			N22°54′55″ E116°01′20″		
RNAV2	266°/086° 15	1 417		↓↑	AVBEP : Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below) SUMDO : Guangzhou ACC
▲SUMDO			N22°54′02″ E115°52′54″		
RNAV2	266°/086° 117	1 936		↓↑	Guangzhou ACC
▲OVGOT			N22°47′01″ E114°45′00″		
RNAV2	266°/086° 22	1 936		↓↑	Guangzhou ACC
▲VIPAP			N22°45′41″ E114°31′56″		
RNAV2	266°/086° 51	1 604		↓↑	Guangzhou ACC
▲GUBLO			N22°42′36″ E114°02′05″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	229°/049° 80	1 543		↓↑	Guangzhou ACC
▲连胜围 Lianshengwei VOR/DME (ZUH)			N22°13.3′ E113°28.0′		
RNAV2	249°/069° 25	1 535		↓↑	Guangzhou ACC
▲KIBAS			N22°08′18″ E113°14′30″		
RNAV2	249°/069° 27	1 535		↓↑	Guangzhou ACC
▲BOKAT			N22°02′16″ E113°00′00″		
RNAV2	249°/069° 20	1 535		↓↑	Guangzhou ACC
▲ADBIN			N21°58′05″ E112°49′16″		
RNAV2	249°/069° 31	1 535		↓↑	Guangzhou ACC
▲TOMUD			N21°51′27″ E112°32′50″		
RNAV2	249°/069° 81	1 535		↓↑	Guangzhou ACC
▲BIGRO			N21°34′12″ E111°49′36″		
RNAV2	254°/074° 162	1 415		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲湖光 Huguang NDB (LH)			N21°08.1′ E110°20.0′		
飞越 OLDID 报告点的高度为 8 400 米（不含）以上。 Altitudes over OLDID above 8 400m.					
R213					
▲佳木斯 Jiamusi VOR/DME (JMU)			N46°50.5′ E130°27.9′		
RNAV2	---/220° 108	1 088		↑	佳木斯 Jiamusi VOR/DME: Harbin ACC MAGIT : Harbin ACC
▲MAGIT 中俄国境点			N47°41′31″ E131°09′00″		
R224					

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲延吉 Yanji VOR/DME (YNJ)			N42°53.0′ E129°27.1′		
RNAV2	163°/343° 52	1 965		↓↑	Dalian ACC
▲VASRO 中朝国境点			N42°27′50″ E129°44′25″		
R339					
▲SIKOU			N20°50′36″ E111°30′00″		
RNAV2	287°/107° 48	833		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲GIVIV			N20°57′14″ E111°03′19″		
RNAV2	287°/107° 77	833		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲湖光 Huguang NDB (LH)			N21°08.1′ E110°20.0′		
RNAV2	300°/120° 106	866		↓↑	湖光 Huguang NDB: Sanya ACC(Above 7800m) Nanning ACC(7800m or below) 南康 Nankang VOR/DME: Sanya ACC(Above 8900m) Nanning ACC(8900m or below)
▲南康 Nankang VOR/DME (BHY)			N21°35.2′ E109°25.9′		
RNAV2	312°/132° 46	1 016		↓↑	南康 Nankang VOR/DME: Sanya ACC(Above 8900m) Nanning ACC(8900m or below) ALEKI : Nanning ACC
▲ALEKI			N21°50′58″ E109°05′42″		
RNAV2	312°/132° 46	1 229		↓↑	Nanning ACC
▲NIKUK			N22°07′02″ E108°45′08″		
RNAV2	312°/132° 81	1 229		↓↑	Nanning ACC
▲南宁 Nanning VOR/DME (WUY)			N22°35.1′ E108°08.9′		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	315°/135° 72	1 595		↓↑	Nanning ACC
▲UVUNO			N23°01′45″ E107°38′31″		
RNAV2	315°/135° 146	1 782		↓↑	Nanning ACC
▲百色 Bose VOR/DME (BSE)			N23°55.4′ E106°36.1′		
R343					
▲南翔 Nanxiang NDB (PK)			N31°17.0′ E121°19.8′		
RNAV2	295°/115° 22	1 232		↓↑	Shanghai ACC
▲EKIMU			N31°21′06″ E121°06′36″		
RNAV2	295°/115° 79	1 232		↓↑	Shanghai ACC
▲SASAN			N31°35′22″ E120°19′10″		
RNAV2	278°/098° 61	1 058		↓↑	Shanghai ACC
▲ESBAG			N31°37′13″ E119°40′23″		
RNAV2	278°/098° 28	1 011	14	↓↑	Shanghai ACC
▲ATLIX			N31°38′03″ E119°23′00″		
RNAV2	278°/098° 23	1 011		↓↑	Shanghai ACC
▲LUPVI			N31°38′42″ E119°08′38″		
RNAV2	278°/098° 10	1 059	14	↓↑	Shanghai ACC
▲OLRIS			N31°39′01″ E119°02′25″		
RNAV2	280°/100° 5	1 059	14	↓↑	Shanghai ACC
▲UPLEL			N31°39′15″ E118°59′19″		
RNAV2	280°/100° 84	1 059	14	↓↑	Shanghai ACC

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲MADUK			N31°43′05″ E118°06′16″		
RNAV2	280°/100° 76	1 080	14	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
RNAV2	254°/074° 29	1 031	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲UXALO			N31°41′04″ E117°00′30″		
RNAV2	254°/074° 115	2 250	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲MIDOX			N31°19′20″ E115°52′52″		
RNAV2	254°/074° 10	2 329	20	↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲URGEB			N31°17′29″ E115°47′04″		
RNAV2	254°/074° 50	2 329	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲BIVIP			N31°07′44″ E115°16′49″		
RNAV2	254°/074° 6	1 768	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DAMEG			N31°06′35″ E115°13′10″		
RNAV2	254°/074° 29	1 768	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
△ATLUT			N31°01′09″ E114°56′09″		
RNAV2	254°/074° 48	1 850	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲SAGUD			N30°51′56″ E114°27′38″		
RNAV2	254°/074° 17	1 183	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DUBAS			N30°48′38″ E114°17′24″		
RNAV2	254°/074° 9	1 100	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天河 Tianhe VOR/DME (WHA)			N30°46.9′ E114°12.2′		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	211°/031° 28	1 100	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OSREK			N30°33′18″ E114°04′10″		
RNAV2	211°/031° 81	1 100	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲龙口 Longkou VOR/DME (LKO)			N29°54.4′ E113°41.5′		
RNAV2	219°/039° 75	1 315	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GOSMA			N29°21′14″ E113°14′30″		
RNAV2	219°/039° 161	1 401	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OLTUS			N28°10′21″ E112°17′34″		
RNAV2	219°/039° 14	1 447	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲老粮仓 Laoliangcang VOR/DME (LLC)			N28°04.1′ E112°12.5′		
RNAV2	216°/036° 13	1 610	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△ABTUD			N27°57′53″ E112°08′13″		
RNAV2	216°/036° 25	1 610	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲REKSO			N27°46′25″ E112°00′12″		
RNAV2	216°/036° 36	2 085	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△AVNEL			N27°29′50″ E111°48′39″		
RNAV2	216°/036° 42	2 085	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VIGIS			N27°10′25″ E111°35′13″		
RNAV2	214°/034° 33	1 598	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲NUPTI			N26°55′03″ E111°25′06″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	214°/034° 44	2 275	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲EXURI			N26°35′00″ E111°10′24″		
RNAV2	214°/034° 109	2 647	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲ONEMI			N25°45′04″ E110°36′29″		
RNAV2	214°/034° 25	2 606	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲大榕江 Darongjiang NDB (VQ)			N25°33.7′ E110°28.6′		
RNAV2	216°/036° 18	2 198	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲EMVUT			N25°25′44″ E110°22′44″		
RNAV2	216°/036° 30	2 198	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲MAMSI			N25°12′17″ E110°12′44″		
RNAV2	216°/036° 71	2 198	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲ENKUS			N24°40′39″ E109°49′13″		
RNAV2	216°/036° 122	1 495	20	↓↑	Nanning ACC
▲来宾 Laibin VOR/DME (LBN)			N23°45.8′ E109°08.8′		
RNAV2	219°/039° 73	1 650	20	↓↑	Nanning ACC
▲SARUG			N23°14′47″ E108°42′25″		
RNAV2	219°/039° 93	1 650	20	↓↑	Nanning ACC
▲南宁 Nanning VOR/DME (WUY)			N22°35.1′ E108°08.9′		
R471					
▲KATBO 中越国境点			N23°21′36″ E105°17′30″		
RNAV2	356°/176° 96	2 555		↓↑	Kunming ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲ADBAG			N24°13′18″ E105°13′00″		
R473					
▲醴陵 Liling VOR/DME (LIG)			N27°38.9′ E113°31.0′		
RNAV2	168°/348° 54	1 942		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲OMBEB			N27°10′46″ E113°39′25″		
RNAV2	168°/348° 50	1 942		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲IDAXI			N26°44′32″ E113°47′09″		
RNAV2	168°/348° 28	2 537		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲OPUNI			N26°30′00″ E113°51′42″		
RNAV2	168°/348° 55	2 670		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲BEMAG			N26°01′04″ E114°00′03″		
RNAV2	168°/348° 106	2 605		↓↑	Guangzhou ACC
▲南雄 Nanxiong VOR/DME (NNX)			N25°05.7′ E114°16.4′		
RNAV2	194°/014° 85	2 028	8	↓↑	Guangzhou ACC
▲翁源 Wengyuan VOR/DME (WYN)			N24°21.0′ E114°06.7′		
RNAV2	215°/035° 9	2 025	8	↓↑	Guangzhou ACC
▲SALIV			N24°16′51″ E114°03′58″		
RNAV2	215°/035° 23	2 025	8	↓↑	Guangzhou ACC
▲NOLON			N24°06′30″ E113°56′47″		
RNAV2	215°/035° 68	2 025	8	↓↑	Guangzhou ACC
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	215°/035° 75	1 810	8	↓↑	Guangzhou ACC
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
RNAV2	165°/345° 46	944		↓↑	Guangzhou ACC
▲VIBOS			N22°37′28″ E113°19′40″		
RNAV2	165°/345° 47	1 181		↓↑	Guangzhou ACC
▲连胜围 Lianshengwei VOR/DME (ZUH)			N22°13.3′ E113°28.0′		
RNAV2	163°/--- 28	1 181		↓	Guangzhou ACC
▲SIERA			N21°59′06″ E113°33′12″		
R474					
▲高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		
RNAV2	265°/085° 93	1 615		↓↑	Guangzhou ACC
▲IKULI			N22°58′24″ E111°34′53″		
RNAV2	265°/085° 71	1 698		↓↑	Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲PAKPU			N22°53′43″ E110°53′41″		
RNAV2	265°/085° 35	1 706		↓↑	Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲OSIKA			N22°51′19″ E110°33′10″		
RNAV2	265°/085° 148	1 875		↓↑	Nanning ACC
▲VAPNA			N22°41′42″ E109°07′19″		
RNAV2	265°/085° 100	1 875		↓↑	Nanning ACC
▲南宁 Nanning VOR/DME (WUY)			N22°35.1′ E108°08.9′		
RNAV2	261°/081° 94	1 645	20	↓↑	Nanning ACC

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▲XEREN			N22°25′35″ E107°15′19″		
RNAV2	261°/081° 40	1 645	20	↓↑	Nanning ACC
▲龙州 Longzhou VOR/DME (LON)			N22°21.4′ E106°52.1′		
RNAV2	226°/046° 28	1 645	20	↓↑	Nanning ACC TEBAK: Nanning ACC/Hanoi FIR
▲TEBAK 中越国境点			N22°10′30″ E106°40′30″		
公、英制高度转换区：TEBAK 至国境以内 80km。 FEET/METERS Transitional area: From TEBAK to the point of 80km in the territory of China.					
R596					
▲云和 Yunhe NDB (BZ)			N28°06.1′ E119°33.7′		
RNAV2	114°/294° 112	2 193		↓↑	Shanghai ACC
▲东山 Dongshan VOR/DME (DST)			N27°45.0′ E120°37.8′		
RNAV2	105°/285° 95	1 348		↓↑	Shanghai ACC
▲OKATO			N27°35′06″ E121°34′38″		
RNAV2	105°/285° 85	600		↓↑	Shanghai ACC
▲SULEM			N27°26′20″ E122°25′19″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
在东山 VOR 与 SULEM 之间飞行员应全程开启应答机和 TCAS 系统； OKATO 与 SULEM 以西 5 海里之间为上海飞行情报区公制 RVSM 高度层配备和台北飞行情报区英制 RVSM 高度层配备转换区域； 云和 NDB 至 SULEM 使用西向飞行高度层；SULEM 至云和 NDB 使用东向飞行高度层； 向东飞行的航空器过 SULEM 使用 FL240/280/340 高度层；向西飞行的航空器过 SULEM 使用 FL250/290/370 高度层。 东山 VOR-SULEM 航线高度 6 000 米至 12 500 米。 Pilot shall operate transponder and TCAS between DST and SULEM at all time; Segment between OKATO and 5NM west of SULEM is transition area between Metric RVSM FLAS in Shanghai FIR and Feet RVSM FLAS in Taibei FIR; BZ to SULEM allocated westbound flight level; SULEM to BZ allocated eastbound flight level; A/C to eastbound shall use FL240/280/340 over SULEM; A/C to westbound shall use FL250/290/370 over SULEM. En-route altitude 6 000m—12 500m.					

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ENR 3.2.5
V 系列航路
Air routes of Series V

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
V1					
▲PIDOX			N41°14′06″ E116°37′30″		
RNAV2	140°/320° 244	2 625		↓↑	Beijing ACC
▲滦县 Luanxian VOR/DME (LUX)			N39°44.5′ E118°43.6′		
RNAV2	172°/352° 68	952		↓↑	Beijing ACC
▲UPSAT			N39°09′00″ E118°56′30″		
RNAV2	172°/352° 40	610		↓↑	Beijing ACC
▲PAMDA			N38°48′12″ E119°03′42″		
使用 V1 航线的时间为 1600-2200。 Available during time of 1600-2200.					
V2					
▲横沙 Hengsha VOR/DME (HSH)			N31°22.1′ E121°50.8′		
RNAV2	360°/180° 57	1 232		↓↑	Shanghai ACC
▲UDOXI			N31°52′37″ E121°47′06″		
RNAV2	360°/180° 154	600		↓↑	Shanghai ACC
▲ODULO			N33°15′09″ E121°37′14″		
V3					
▲POMOK			N31°27′00″ E121°07′00″		
RNAV2	079°/259° 118	845		↓↑	Shanghai ACC
▲EKVUT			N31°45′25″ E122°18′37″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	115°/295° 32	600		↓↑	Shanghai ACC
▲MATNU			N31°39′36″ E122°38′00″		
V5					
▲BEMAG			N26°01′04″ E114°00′03″		
RNAV2	192°/--- 99	2 605		↓	Guangzhou ACC
▲OVTIX			N25°08′12″ E113°50′57″		
RNAV2	192°/--- 85	1 985		↓	Guangzhou ACC
▲IRTAT			N24°22′49″ E113°43′15″		
RNAV2	192°/--- 7	1 889		↓	Guangzhou ACC
▲ENVIP			N24°19′07″ E113°42′38″		
RNAV2	192°/--- 18	1 889		↓	Guangzhou ACC
▲ATAGA			N24°09′41″ E113°41′02″		
RNAV2	192°/--- 64	1 882		↓	Guangzhou ACC
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		
V7					
▲ATLIX			N31°38′03″ E119°23′00″		
RNAV2	236°/056° 17	1 011		↓↑	Shanghai ACC
▲UPKEK			N31°32′05″ E119°14′29″		
RNAV2	236°/056° 11	1 011		↓↑	Shanghai ACC
▲OROTU			N31°28′13″ E119°09′00″		
V8					
▲横沙 Hengsha VOR/DME (HSH)			N31°22.1′ E121°50.8′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	320°/140° 13	845		↓↑	Shanghai ACC
▲VEBNI			N31°27′00″ E121°45′02″		
RNAV2	320°/140° 103	885		↓↑	Shanghai ACC
▲南通 Nantong VOR/DME (NTG)			N32°05.8′ E120°58.7′		
V9					
▲AMVIK			N40°04′00″ E116°59′30″		
RNAV2	126°/--- 22	1 465		↓	Beijing ACC
▲LULTA			N39°58′24″ E117°12′51″		
RNAV2	126°/--- 17	1 465		↓	Beijing ACC
▲TONIL			N39°54′00″ E117°23′18″		
RNAV2	152°/--- 77	1 465		↓	Beijing ACC
▲BIMEG			N39°20′00″ E117°54′00″		
RNAV2	110°/--- 92	840		↓	Beijing ACC
▲UPSAT			N39°09′00″ E118°56′30″		
RNAV2	129°/--- 103	610		↓	Beijing ACC
▲ANRAT			N38°39′30″ E119°57′24″		
V10					
▲TONIL			N39°54′00″ E117°23′18″		
RNAV2	187°/--- 91	1 464		↓	Beijing ACC
△PAMRU			N39°04′43″ E117°22′26″		
RNAV2	195°/--- 201	1 197		↓	Beijing ACC
▲PANKI			N37°17′45″ E116°59′59″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
V11					
▲无锡 Wuxi VOR/DME (VMB)			N31°44.6′ E120°11.5′		
RNAV2	282°/--- 76	1 031		↓	Shanghai ACC
△PIMUS			N31°48′18″ E119°23′30″		
RNAV2	279°/--- 41	1 011		↓	Shanghai ACC
▲DOGVI			N31°49′14″ E118°57′50″		
V12					
▲南盈滨岛 Nanyingbindao VOR/DME (NYB)			N20°00.9′ E110°08.2′		
RNAV2	018°/198° 33	870		↓↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲AGPOR			N20°18′09″ E110°13′48″		
参阅海口/美兰机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HAIKOU/Meilan airport.					
V13					
▲东木栏头 Dongmulantou VOR/DME (MLT)			N20°09.1′ E110°40.4′		
RNAV2	291°/111° 49	822		↓↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲AGPOR			N20°18′09″ E110°13′48″		
参阅海口/美兰机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HAIKOU/Meilan airport.					
V14					
▲PIMOL			N32°14′45″ E119°45′42″		
RNAV2	258°/078° 27	1 026		↓↑	Shanghai ACC
▲AGPUX			N32°10′22″ E119°29′25″		
RNAV2	258°/078° 67	1 072		↓↑	Shanghai ACC
▲NOBEM			N31°59′25″ E118°48′31″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
航线高度 7 800 米（含）以上。 En-route altitude 7 800m or above.					
V15					
▲LADIX			N39°07′46″ E116°59′32″		
RNAV2	186°/--- 204	1 197		↓	Beijing ACC
▲PANKI			N37°17′45″ E116°59′59″		
V16					
▲硕放 Shuofang VOR/DME (SUF)			N31°29.9′ E120°25.9′		
RNAV2	216°/--- 3	1 031		↓	Shanghai ACC
▲TEPAG			N31°28′26″ E120°24′57″		
RNAV2	280°/--- 112	1 087		↓	Shanghai ACC
▲UPKEK			N31°32′05″ E119°14′29″		
V17					
▲GUBLO			N22°42′36″ E114°02′05″		
RNAV2	043°/223° 30	1 604		↓↑	Guangzhou ACC
▲SULAS			N22°54′58″ E114°13′16″		
RNAV2	043°/223° 36	1 918		↓↑	Guangzhou ACC
▲IGAGA			N23°09′52″ E114°27′13″		
RNAV2	043°/223° 28	1 918		↓↑	Guangzhou ACC
▲UBDOB			N23°21′42″ E114°37′30″		
RNAV2	043°/223° 128	1 918		↓↑	Guangzhou ACC
▲NUVGA			N24°13′55″ E115°26′36″		
RNAV2	359°/179° 49	1 893		↓↑	Guangzhou ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲ODOPI			N24°40′25″ E115°24′30″		
V18					
▲UBDOB			N23°21′42″ E114°37′30″		
RNAV2	015°/195° 105	1 920		↓↑	Guangzhou ACC
▲XEBUL			N24°17′00″ E114°51′00″		
V19					
▲湖光 Huguang NDB (LH)			N21°08.1′ E110°20.0′		
RNAV2	066°/246° 183	1 937		↓↑	湖光 Huguang NDB: Sanya ACC(Above 7800m) Nanning ACC(7800m or below) UDUTI : Guangzhou ACC
▲UDUTI			N21°51′00″ E111°56′00″		
RNAV2	068°/248° 184	1 614		↓↑	Guangzhou ACC
▲南朗 Nanlang VOR/DME (NLG)			N22°31.9′ E113°33.7′		
V20					
▲UDUTI			N21°51′00″ E111°56′00″		
RNAV2	201°/021° 33	1 468		↓↑	Guangzhou ACC
▲BIGRO			N21°34′12″ E111°49′36″		
V21					
▲AVPAM			N23°12′30″ E111°49′36″		
RNAV2	178°/358° 151	1 739		↓↑	Guangzhou ACC
▲UDUTI			N21°51′00″ E111°56′00″		
RNAV2	091°/271° 63	1 363		↓↑	Guangzhou ACC
▲TOMUD			N21°51′27″ E112°32′50″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	087°/267° 77	1 382		↓↑	Guangzhou ACC
▲高栏 Gaolan NDB (UJ)			N21°55.2′ E113°17.6′		
V25					
▲AVPAM			N23°12′30″ E111°49′36″		
RNAV2	136°/316° 208	1 685		↓↑	Guangzhou ACC
▲高栏 Gaolan NDB (UJ)			N21°55.2′ E113°17.6′		
V27					
▲POMOK			N31°27′00″ E121°07′00″		
RNAV2	096°/276° 60	1 235		↓↑	Shanghai ACC
▲VEBNI			N31°27′00″ E121°45′02″		
V30					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
RNAV2	009°/189° 62	1 020		↓↑	Jinan VOR/DME: Beijing ACC(Above 7800m) Jinan ACC(7800m or below) KAMOM: Beijing ACC
△KAMOM			N37°23′28″ E117°15′17″		
RNAV2	009°/189° 188	1 197		↓↑	Beijing ACC
△PAMRU			N39°04′43″ E117°22′26″		
V31					
▲LADIX			N39°07′46″ E116°59′32″		
RNAV2	181°/001° 198	1 197		↓↑	Beijing ACC
△GOTVA			N37°21′23″ E117°09′54″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	181°/001° 58	1 020		↓↑	GOTVA : Beijing ACC Jinan VOR/DME: Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
V33					
▲DUBAG			N34°51′46″ E113°43′46″		
RNAV2	---/217° 87	1 386		↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲LEKUB			N35°31′21″ E114°15′00″		
RNAV2	---/217° 111	1 386		↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲魏县 Weixian VOR/DME (WXI)			N36°21.8′ E114°55.0′		
V34					
▲祖庵 Zu'an VOR/DME (ZNX)			N34°06.7′ E108°30.2′		
RNAV2	195°/015° 90	3 615		↓↑	Xi'an ACC
▲宁陕 Ningshan VOR/DME (NSH)			N33°19.1′ E108°18.7′		
参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
V35					
▲牛岭 Niuling VOR/DME (JCS)			N23°35.9′ E116°24.7′		
RNAV2	197°/017° 101	1 885		↓↑	Guangzhou ACC
▲DOTMI			N22°43′06″ E116°10′06″		
参阅揭阳/潮汕机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V36					
▲牛岭 Niuling VOR/DME (JCS)			N23°35.9′ E116°24.7′		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	065°/245° 72	2 097		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲SAPUT			N23°54′22″ E117°02′02″		
RNAV2	065°/245° 54	1 762		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲TEBON			N24°08′17″ E117°30′04″		
参阅揭阳/潮汕机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V37					
▲牛岭 Niuling VOR/DME (JCS)			N23°35.9′ E116°24.7′		
RNAV2	119°/299° 40	1 885		↓↑	Guangzhou ACC
▲汕头 Shantou VOR/DME (SWA)			N23°26.4′ E116°46.0′		
参阅揭阳/潮汕机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
V38					
▲URGEG			N30°35′56″ E106°17′03″		
RNAV2	091°/271° 40	1 424		↓↑	Chengdu ACC
▲VINEX			N30°36′27″ E106°41′48″		
RNAV2	098°/278° 21	1 841		↓↑	Chengdu ACC
▲OTLOS			N30°35′29″ E106°54′52″		
RNAV2	100°/280° 234	2 723		↓↑	Chengdu ACC
▲TOSIM			N30°19′26″ E109°20′18″		
RNAV2	100°/280° 25	2 678		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲恩施 Enshi VOR/DME (ENH)			N30°17.5′ E109°36.1′		
V39					
▲GUXUV			N32°11′18″ E116°43′42″		

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RNAV2	057°/237° 64	906		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲SEGPI			N32°32′00″ E117°16′00″		
V41					
▲RUNEG			N20°30′00″ E108°11′06″		
RNAV2	137°/317° 151	894		↓↑	Sanya ACC(Above 7 200m) Haikou APP(7 200m or below)
▲DABUB			N19°31′11″ E109°11′36″		
RNAV2	170°/350° 117	2 711		↓↑	DABUB: Sanya ACC(Above 7 200m) Haikou APP(7 200m or below) Baolong NDB: Sanya ACC(Above 7 200m) Sanya APP(7 200m or below)
▲抱龙 Baolong NDB (WL)			N18°29.3′ E109°24.2′		
V42					
▲REPOL			N37°35′32″ E119°40′42″		
RNAV2	---/246° 92	600		↑	Qingdao ACC
▲GUMED			N38°01′00″ E120°34′20″		
V43					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
	283°/--- 18	1 004		↓	Dalian ACC
▲VABRA			N38°58′44″ E121°21′42″		
	193°/--- 19	1 065		↓	Dalian ACC
▲REDEM			N38°48′22″ E121°20′26″		
	134°/--- 98	1 065		↓	Dalian ACC
▲POVAG			N38°16′44″ E122°15′04″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V44					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
	283°/--- 18	1 004		↓	Dalian ACC
▲VABRA			N38°58′44″ E121°21′42″		
	222°/--- 98	1 065		↓	Dalian ACC
▲KARPI			N38°15′00″ E120°43′02″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V45					
▲ALARA			N38°33′40″ E120°33′06″		
	075°/--- 74	1 065		↓	Dalian ACC
▲REDEM			N38°48′22″ E121°20′26″		
	056°/--- 26	1 065		↓	Dalian ACC
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V46					
▲UNSEK			N38°36′46″ E120°14′08″		
	070°/--- 89	1 065		↓	Dalian ACC
▲RANBO			N38°58′49″ E121°08′35″		
	100°/--- 37	1 004		↓	Dalian ACC
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V47					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
	283°/--- 60	1 004		↓	Dalian ACC
▲VIDUX			N39°00′51″ E120°52′34″		
	259°/--- 65	815		↓	Dalian ACC
▲SARUD			N38°49′53″ E120°09′48″		
	230°/--- 26	600		↓	Dalian ACC
▲ANRAT			N38°39′30″ E119°57′24″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
V48					
△PAMRU			N39°04′43″ E117°22′26″		
RNAV2	064°/--- 53	1 130		↓	Beijing ACC
▲BIMEG			N39°20′00″ E117°54′00″		
V49					
▲淮安 Huaian VOR/DME (HUN)			N33°46.4′ E119°06.6′		
	183°/003° 93	622		↓↑	Shanghai ACC
▲NIXEM			N32°56′31″ E119°09′38″		
参阅淮安/涟水机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HUAIAN/Lianshui airport.					
V50					
▲UGUGU			N26°35′01″ E108°22′10″		
RNAV2	335°/155° 201	2 600		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲OTLEK			N28°11′18″ E107°26′24″		
RNAV2	324°/144° 23	2 361		↓↑	OTLEK : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) SEBGU : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲SEBGU			N28°21′10″ E107°17′32″		
RNAV2	324°/144° 59	2 606		↓↑	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲UNRIX			N28°46′00″ E106°55′00″		
V51					
▲RUNEG			N20°30′00″ E108°11′06″		
RNAV2	107°/--- 100	600		↓	Sanya ACC
▲UBSIR			N20°16′24″ E109°06′33″		
RNAV2	107°/--- 111	892		↓	Sanya ACC
▲南盈滨岛 Nanyingbindao VOR/DME (NYB)			N20°00.9′ E110°08.2′		
V52					
▲GUSIV			N29°14′07″ E113°44′26″		
RNAV2	182°/--- 305	2 600		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲OPUNI			N26°30′00″ E113°51′42″		
V53					
▲连云港 Lianyungang VOR/DME (GFK)			N34°23.5′ E119°09.9′		
RNAV1	144°/324° 144	1 105		↓↑	Shanghai ACC
▲盐城 Yancheng VOR/DME (YCH)			N33°25.3′ E120°12.3′		
RNAV1	166°/346° 148	700		↓↑	Shanghai ACC

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▲PIKAS			N32°10′00″ E120°44′00″		
V54					
▲魏县 Weixian VOR/DME (WXI)			N36°21.8′ E114°55.0′		
RNAV2	215°/035° 36	674		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DOSKU			N36°05′04″ E114°43′18″		
RNAV2	215°/035° 80	1 153		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GUKNA			N35°27′40″ E114°17′15″		
RNAV2	215°/035° 73	1 133		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲PUBOV			N34°53′12″ E113°53′39″		
V55					
▲ENVEN			N25°20′30″ E118°55′06″		
RNAV2	251°/071° 40	1 611		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲LAMIM			N25°12′16″ E118°32′49″		
RNAV2	231°/051° 54	1 820		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲GORMU			N24°52′35″ E118°09′05″		
RNAV2	231°/051° 21	1 874		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲KADUG			N24°44′56″ E117°59′54″		
参阅厦门/高崎机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XIAMEN/Gaoqi airport.					
V56					
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
RNAV2	351°/--- 10	878		↓	Shenyang ACC
▲TX405			N41°35′49″ E123°15′19″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	287°/--- 94	899		↓	Shenyang ACC
▲TX401			N41°43′34″ E122°07′56″		
RNAV2	266°/--- 81	1 411		↓	Shenyang ACC
▲OMDUS			N41°34′30″ E121°11′00″		
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V57					
▲OMDUS			N41°34′30″ E121°11′00″		
RNAV2	099°/--- 76	1 411		↓	Shenyang ACC
▲TX404			N41°33′38″ E122°05′58″		
RNAV2	107°/--- 91	860		↓	Shenyang ACC
▲TX408			N41°26′13″ E123°10′39″		
RNAV2	057°/--- 6	860		↓	Shenyang ACC
▲GUMOD			N41°28′12″ E123°13′39″		
参阅沈阳/桃仙机场标准仪表进场程序。 Refer STAR of SHENYANG/Taoxian airport.					
V58					
▲TX410			N40°54′35″ E123°54′22″		
RNAV2	331°/--- 84	1 718		↓	Shenyang ACC
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
参阅沈阳/桃仙机场标准仪表进场程序。 Refer STAR of SHENYANG/Taoxian airport.					
V59					
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	161°/--- 77	1 731		↓	Shenyang ACC
▲TX661			N40°53′14″ E123°42′49″		
RNAV2	161°/--- 7	1 731		↓	Shenyang ACC
▲ISKEM			N40°49′57″ E123°45′01″		
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V60					
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
RNAV2	176°/356° 105	1 731		↓↑	Shenyang ACC
▲TOSID			N40°34′55″ E123°33′59″		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
V61					
▲TX557			N42°01′59″ E124°05′02″		
RNAV2	088°/--- 61	1 577		↓	Shenyang ACC
▲TX560			N42°08′03″ E124°48′19″		
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
V62					
▲沈阳 Shenyang VOR/DME (SEY)			N41°38.5′ E123°28.7′		
RNAV2	058°/238° 26	1 018		↓↑	Shenyang ACC
▲TX603			N41°47′37″ E123°43′00″		
RNAV2	058°/238° 40	1 236		↓↑	Shenyang ACC
▲TX557			N42°01′59″ E124°05′02″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	055°/235° 33	1 309		↓↑	Shenyang ACC
▲TX611			N42°14′11″ E124°22′06″		
RNAV2	055°/235° 73	1 577		↓↑	TX611 : Shenyang ACC TX415 : Dalian ACC
▲TX415			N42°41′17″ E125°00′37″		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
V63					
▲朝阳 Chaoyang VOR/DME (CHG)			N41°32.2′ E120°26.0′		
RNAV2	076°/256° 319	1 478		↓↑	Shenyang ACC
▲开原 Kaiyuan VOR/DME (KYU)			N42°37.9′ E124°00.4′		
飞行高度 1 000 米（不含）以上；往返同。 En-route altitudes above 1 000m; and vice versa.					
V64					
▲NOBEM			N31°59′25″ E118°48′31″		
RNAV2	275°/095° 72	1 068		↓↑	Shanghai ACC
▲LEBIK			N31°58′59″ E118°02′33″		
RNAV2	275°/095° 61	992		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲TUTKI			N31°59′09″ E117°23′39″		
RNAV2	275°/095° 10	986		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲AVLOG			N31°59′00″ E117°17′27″		
RNAV2	275°/095° 26	986		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲MAGLI			N31°59′00″ E117°00′47″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
LEBIK 及 MAGLI 之间航线高度 6 000 米（含）以上。 Segments between LEBIK and MAGLI, En-route altitude 6 000m or above.					
V65					
▲LEBIK			N31°58′59″ E118°02′33″		
RNAV2	241°/061° 85	992		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲VILID			N31°33′27″ E117°17′23″		
RNAV2	244°/064° 153	2 339		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲IKUBA			N30°51′20″ E115°54′03″		
航线高度 6 000 米（含）以上。 En-route altitude 6 000m or above.					
V66					
▲VIKEB			N28°07′36″ E113°42′37″		
RNAV2	204°/--- 56	1 591		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲醴陵 Liling VOR/DME (LIG)			N27°38.9′ E113°31.0′		
RNAV2	200°/--- 37	1 614		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲REBIS			N27°19′40″ E113°24′27″		
RNAV2	195°/--- 177	2 513		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VESUX			N25°45′49″ E113°03′42″		
V67					
▲NUKTI			N41°51′42″ E095°11′58″		
RNAV2	130°/310° 221	3 155		↓↑	Lanzhou ACC
▲ONENA			N40°34′57″ E097°13′22″		
RNAV2	130°/310° 125	3 309		↓↑	Lanzhou ACC
▲嘉峪关 Jiayuguan VOR/DME (CHW)			N39°51.3′ E098°21.0′		

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RNAV2	098°/278° 53	3 209		↓↑	Lanzhou ACC
▲BIPOM			N39°48′26″ E098°57′39″		
RNAV2	098°/278° 330	2 642		↓↑	Lanzhou ACC
▲雅布赖 Yabrai VOR/DME (YBL)			N39°25.3′ E102°46.5′		
V68					
▲TEKAM			N37°35′10″ E120°45′17″		
RNAV2	041°/221° 90	1 414		↓↑	Qingdao ACC
▲ORIXA			N38°15′18″ E121°19′21″		
RNAV2	041°/221° 21	600		↓↑	Dalian ACC
△DOBGA			N38°24′47″ E121°27′31″		
V69					
▲康定 Kangding VOR/DME (KDJ)			N30°08.5′ E101°43.9′		
RNP4	086°/266° 69	6 672		↓↑	Chengdu ACC
▲ATPOG			N30°12′00″ E102°26′56″		
RNP4	086°/266° 45	5 808		↓↑	Chengdu ACC
▲ABVIR			N30°14′17″ E102°54′55″		
RNP4	086°/266° 37	3 890		↓↑	Chengdu ACC
▲MUDEL			N30°16′14″ E103°18′06″		
RNP4	086°/266° 38	2 564		↓↑	Chengdu ACC
▲回龙 Huilong VOR/DME (HLC)			N30°18.1′ E103°41.7′		
RNP4	066°/246° 54	1 593		↓↑	Chengdu ACC
▲柏鹤寺 Baihesi VOR/DME (BHS)			N30°30.7′ E104°12.0′		

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RNP4	071°/251° 30	1 659		↓↑	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
V70					
▲POMOK			N31°27′00″ E121°07′00″		
RNAV2	322°/--- 115	934		↓	Shanghai ACC
▲UNTAN			N32°12′14″ E120°17′04″		
V72					
▲OVNEV			N29°54′34″ E121°43′15″		
RNAV2	034°/214° 43	1 273		↓↑	Shanghai ACC
▲ISPUR			N30°14′55″ E121°56′01″		
RNAV2	027°/207° 66	1 077		↓↑	Shanghai ACC
▲ELAGO			N30°48′00″ E122°11′00″		
V73					
▲MULOV			N29°36′51″ E120°14′52″		
RNAV2	057°/--- 74	1 795		↓	Shanghai ACC
▲SUPAR			N30°01′23″ E120°51′29″		
RNAV2	026°/--- 131	1 249		↓	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
V74					
△PAMVU			N28°41′30″ E120°43′18″		
RNAV2	037°/--- 63	1 930		↓	Shanghai ACC
▲SUSMU			N29°10′00″ E121°04′00″		

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RNAV2	023°/--- 85	1 691		↓	Shanghai ACC
▲栎社 Lishe NDB (BK)			N29°53.7′ E121°20.0′		
V76					
▲黄山 Huangshan VOR/DME (TXN)			N29°44.3′ E118°15.2′		
RNAV2	123°/--- 45	1 995		↓	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲DUBVU			N29°32′40″ E118°39′48″		
RNAV2	123°/--- 106	1 995		↓	DUBVU : Shanghai ACC(Above 7800m) Hefei ACC(7800m or below) OSPAM : Shanghai ACC
▲OSPAM			N29°05′08″ E119°37′13″		
V77					
▲ADBAS			N30°20′36″ E120°16′02″		
RNAV2	039°/219° 84	1 012		↓↑	Shanghai ACC
▲LURMA			N30°58′30″ E120°44′55″		
V78					
▲TUTKI			N31°59′09″ E117°23′39″		
RNAV2	315°/--- 13	865		↓	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲AKNAX			N32°03′44″ E117°17′15″		
RNAV2	315°/--- 136	808		↓	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲ISNEB			N32°50′47″ E116°10′30″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	280°/--- 42	892		↓	ISNEB : Shanghai ACC(Above 7800m) Hefei ACC(7800m or below) 阜阳 Fuyang VOR/DME: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲阜阳 Fuyang VOR/DME (FYG)			N32°53.0′ E115°44.0′		
V79					
▲正定 Zhengding VOR/DME (SJW)			N38°16.8′ E114°41.9′		
RNAV2	155°/335° 20	816		↓↑	Beijing ACC
▲VEMOT			N38°07′34″ E114°49′15″		
RNAV2	142°/322° 63	759		↓↑	Beijing ACC
▲ATKEV			N37°42′56″ E115°18′30″		
RNAV2	095°/275° 35	640		↓↑	Beijing ACC
▲衡水 Hengshui NDB (HG)			N37°43.0′ E115°42.3′		
参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
V80					
▲ATKEV			N37°42′56″ E115°18′30″		
RNAV2	143°/323° 34	640		↓↑	Beijing ACC
▲DOVSU			N37°29′20″ E115°34′16″		
参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
V81					
▲BUBDI			N46°29′56″ E126°27′11″		
	161°/341° 25	825		↓↑	Harbin ACC

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲SULTI			N46°18′19″ E126°36′47″		
	199°/019° 51	1 079		↓↑	Harbin ACC
▲GUXEN			N45°50′56″ E126°30′57″		
	229°/049° 32	1 079		↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V82					
▲IGADO			N45°57′48″ E127°24′44″		
	296°/116° 25	972		↓↑	Harbin ACC
▲TOGEP			N46°01′20″ E127°06′15″		
	258°/078° 49	1 079		↓↑	Harbin ACC
▲GUXEN			N45°50′56″ E126°30′57″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V83					
▲VETEX			N45°34′45″ E126°36′50″		
	077°/--- 54	1 250		↓	Harbin ACC
▲SAREV			N45°46′27″ E127°15′09″		
	041°/--- 24	1 250		↓	Harbin ACC
▲IGADO			N45°57′48″ E127°24′44″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V84					
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	111°/--- 28	1 079		↓	Harbin ACC
▲VETEX			N45°34′45″ E126°36′50″		
	144°/--- 53	1 250		↓	Harbin ACC
▲NOKUV			N45°14′58″ E127°06′28″		
	178°/--- 25	1 250		↓	Harbin ACC
▲KETOV			N45°01′46″ E127°10′37″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V85					
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
	191°/--- 19	864		↓	Harbin ACC
▲ATVOM			N45°27′28″ E126°15′19″		
	145°/--- 22	857		↓	Harbin ACC
▲IDIMO			N45°19′07″ E126°27′24″		
	143°/--- 43	1 166		↓	Harbin ACC
▲UKDIN			N45°03′14″ E126°51′55″		
	107°/--- 25	1 166		↓	Harbin ACC
▲KETOV			N45°01′46″ E127°10′37″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
V86					
▲黔西 Qianxi VOR/DME (QNX)			N27°02.5′ E106°01.8′		
RNAV2	173°/353° 79	2 432		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲MEVUL			N26°20′36″ E106°09′38″		
RNAV2	173°/353° 152	2 432		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲TESIL			N24°59′59″ E106°24′30″		
RNAV2	173°/353° 121	2 633		↓↑	Nanning ACC
▲百色 Bose VOR/DME (BSE)			N23°55.4′ E106°36.1′		
V87					
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		
RNAV2	188°/--- 106	1 601		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OMGIB			N29°35′25″ E111°25′25″		
RNAV2	188°/--- 336	2 275		↓	OMGIB : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) EXURI : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲EXURI			N26°35′00″ E111°10′24″		
V88					
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		
RNAV2	193°/--- 106	1 700		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUKVO			N29°35′42″ E111°19′20″		
RNAV2	193°/--- 434	2 647		↓	GUKVO : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) ONEMI : Guangzhou ACC(Above 7800m) Nanning ACC(7800m or below)
▲ONEMI			N25°45′04″ E110°36′29″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
V89					
▲胶北 Jiaobei VOR/DME (JDW)			N36°19.8′ E119°58.6′		
RNAV1	350°/170° 57	1 269		↓↑	Qingdao ACC
▲GUTVO			N36°49′01″ E119°47′08″		
RNAV1	359°/179° 87	1 278		↓↑	Qingdao ACC
▲UPDAD			N37°35′20″ E119°37′49″		
RNAV1	359°/179° 59	600		↓↑	UPDAD : Qingdao ACC DOVIV : Beijing ACC
▲DOVIV			N38°06′40″ E119°31′57″		
V90					
▲BISAL			N37°06′02″ E112°13′37″		
	327°/--- 106	3 430		↓	BISAL : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) LEBOM : Xi'an ACC
▲LEBOM			N37°51′30″ E111°30′00″		
V91					
▲TODAM			N39°29′31″ E112°12′03″		
	211°/--- 304	3 388		↓	TODAM : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) MAPMU : Xi'an ACC
▲MAPMU			N37°02′41″ E110°38′16″		
V92					
▲张家口 Zhangjiakou VOR/DME (HAR)			N40°43.7′ E114°57.8′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	074°/254° 150	2 779		↓↑	Beijing ACC
▲PIDOX			N41°14′06″ E116°37′30″		
V93					
▲EXUMI			N38°04′58″ E113°04′53″		
	190°/--- 144	2 388		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲EGEBI			N36°47′33″ E112°56′12″		
V94					
▲魏县 Weixian VOR/DME (WXI)			N36°21.8′ E114°55.0′		
	312°/132° 256	2 700		↓↑	魏县 Weixian VOR/DME: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below) 太原 Taiyuan VOR/DME: Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲太原 Taiyuan VOR/DME (TYN)			N37°44.9′ E112°37.2′		
V97					
▲UGSUT			N33°45′24″ E109°34′36″		
	159°/--- 47	2 690		↓	Xi'an ACC
▲TOGOG			N33°22′34″ E109°47′19″		
V99					
▲安康富强东 Ankangfuqiangdong VOR/DME (AKD)			N32°45.2′ E108°55.8′		
	053°/--- 106	2 959		↓	Xi'an ACC
▲TOGOG			N33°22′34″ E109°47′19″		
V104					
▲ISNEB			N32°50′47″ E116°10′30″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	304°/124° 66	807		↓↑	ISNEB: Shanghai ACC(Above 7800m) Hefei ACC(7800m or below) AVNOD: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲AVNOD			N33°07′46″ E115°33′26″		
RNAV2	334°/154° 100	754		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VETIP			N33°54′03″ E115°00′22″		
RNAV2	334°/154° 17	656		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲LENPO			N34°01′57″ E114°54′39″		
RNAV2	334°/154° 18	660		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲KILUD			N34°10′20″ E114°48′34″		
V105					
▲新郑 Xinzheng VOR/DME (CGO)			N34°31.1′ E113°50.6′		
	011°/--- 41	1 086		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲PUBOV			N34°53′12″ E113°53′39″		
	345°/--- 95	2 330		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲IGPIL			N35°41′23″ E113°32′28″		
	313°/--- 28	2 416		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲PADNO			N35°50′45″ E113°17′36″		
V106					
▲IKUBA			N30°51′20″ E115°54′03″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	262°/--- 166	2 307		↓	IKUBA : Shanghai ACC(Above 7800m) Hefei ACC(7800m or below) ESKAM : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ESKAM			N30°32′34″ E114°11′52″		
	253°/--- 104	1 058		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUGAM			N30°12′59″ E113°11′08″		
V107					
▲老粮仓 Laoliangcang VOR/DME (LLC)			N28°04.1′ E112°12.5′		
RNAV2	---/188° 12	1 468		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IPMUG			N28°10′35″ E112°13′08″		
RNAV2	---/188° 152	1 475		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲DUBNA			N29°32′10″ E112°18′32″		
RNAV2	---/188° 22	789		↑	DUBNA : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) VIBUB : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲VIBUB			N29°44′14″ E112°19′22″		
V108					
▲天河 Tianhe NDB (HG)			N30°55.5′ E114°21.0′		
	142°/--- 171	1 528		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TULMU			N29°47′28″ E115°33′05″		
V109					

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲KAMDA			N33°21′57″ E114°12′13″		
	191°/--- 387	1 480		↓	KAMDA: Beijing ACC(Above 7 800m) Zhengzhou ACC(7 800m or below) Longkou VOR/DME: Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below)
▲龙口 Longkou VOR/DME (LKO)			N29°54.4′ E113°41.5′		
V110					
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
	325°/145° 127	1 584		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲河口 Hekou VOR/DME (HOK)			N31°19.5′ E114°25.8′		
V111					
▲武当山 Wudangshan VOR/DME (DSY)			N32°34.3′ E110°56.1′		
	314°/134° 139	2 504		↓↑	Wudangshan VOR/DME: Guangzhou ACC(Above 7 800m) Wuhan ACC(7 800m or below) TOGOG: Xi'an ACC
▲TOGOG			N33°22′34″ E109°47′19″		
V112					
▲IKEKA			N36°49′53″ E123°21′15″		
RNAV2	244°/064° 176	600		↓↑	Qingdao ACC
△GUSEV			N35°58′24″ E121°41′49″		
RNAV2	244°/064° 31	600		↓↑	Qingdao ACC
▲NOBOB			N35°49′12″ E121°24′32″		
RNAV2	244°/064° 68	600		↓↑	Qingdao ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲LATUX			N35°29′00″ E120°47′00″		
V113					
▲VETIP			N33°54′03″ E115°00′22″		
	298°/118° 37	664		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GUTUS			N34°01′52″ E114°38′13″		
V114					
▲LENPO			N34°01′57″ E114°54′39″		
	298°/118° 32	670		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OGOVI			N34°08′39″ E114°35′34″		
V115					
▲BESMI			N35°46′33″ E104°09′07″		
	333°/--- 97	4 207		↓	Lanzhou ACC
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
V116					
▲LUPRO			N42°53′21″ E090°53′37″		
RNAV2	149°/329° 161	2 006		↓↑	Urumqi ACC
△ESDEX			N41°37′45″ E091°51′08″		
V140					
▲GOVNI			N30°21′16″ E121°23′40″		
RNAV1	055°/235° 13	839		↓↑	Shanghai ACC
▲IDNIK			N30°26′00″ E121°29′54″		
RNAV1	355°/175° 78	1 235		↓↑	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
V141					

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲IDNIK			N30°26′00″ E121°29′54″		
RNAV2	038°/--- 157	750		↓	Shanghai ACC
▲ALDAP			N31°37′31″ E122°22′14″		
V142					
▲ATVAD			N33°17′45″ E118°51′15″		
RNAV1	---/013° 113	1 027		↑	Shanghai ACC
▲VEGDA			N32°17′12″ E118°42′34″		
RNAV1	---/013° 40	1 068		↑	Shanghai ACC
▲MABOS			N31°55′59″ E118°39′34″		
V143					
▲OLRIS			N31°39′01″ E119°02′25″		
RNAV2	171°/351° 10	1 078		↓↑	Shanghai ACC
▲SAPIN			N31°33′55″ E119°04′00″		
RNAV2	171°/351° 231	2 128		↓↑	Shanghai ACC
▲EMRID			N29°32′56″ E119°38′55″		
RNAV2	160°/340° 222	2 058		↓↑	Shanghai ACC
▲东山 Dongshan VOR/DME (DST)			N27°45.0′ E120°37.8′		
V144					
▲MUBEL			N24°12′35″ E111°16′14″		
RNAV2	181°/001° 47	1 816		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲OPENU			N23°47′08″ E111°17′12″		
RNAV2	156°/336° 39	1 816		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲LENAD			N23°28′20″ E111°27′40″		
RNAV2	131°/311° 48	1 599		↓↑	Guangzhou ACC
▲AVPAM			N23°12′30″ E111°49′36″		
V145					
▲IGIVI			N23°26′24″ E110°43′15″		
RNAV2	166°/346° 29	1 393		↓↑	Nanning ACC
▲OVLUG			N23°11′36″ E110°48′01″		
RNAV2	106°/286° 50	1 486		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲AVDOK			N23°05′41″ E111°16′47″		
RNAV2	094°/274° 34	1 486		↓↑	AVDOK : Guangzhou ACC(Above 7800m) NanningACC(7800m or below) UKMA3 : Guangzhou ACC
▲UKMA3			N23°05′22″ E111°36′25″		
RNAV2	094°/274° 90	1 615		↓↑	Guangzhou ACC
▲高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		
V146					
▲倍加皂 Beijiazao VOR/DME (BJZ)			N40°03.3′ E113°29.6′		
RNAV2	247°/067° 127	2 862		↓↑	Beijing ACC
▲TODAM			N39°29′31″ E112°12′03″		
V147					
▲MOLSO			N24°25′17″ E113°25′20″		
RNAV2	319°/139° 137	2 503		↓↑	Guangzhou ACC
▲OPIXU			N25°18′03″ E112°28′13″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	272°/092° 114	2 499		↓↑	Guangzhou ACC
▲UGRIG			N25°16′45″ E111°20′30″		
RNAV2	269°/089° 114	2 499		↓↑	Guangzhou ACC
▲MAMSI			N25°12′17″ E110°12′44″		
V148					
▲OSNOV			N24°29′24″ E112°44′35″		
RNAV2	347°/--- 94	2 318		↓	Guangzhou ACC
▲OPIXU			N25°18′03″ E112°28′13″		

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ENR 3.2.6
W 系列航路
Air routes of Series W

航路代号 Route designator					
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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W2					
▲三江 Sanjiang VOR/DME (SJG)			N25°46.6′ E109°36.6′		
RNAV2	134°/314° 61	2 404	10	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲五通 Wutong NDB (PA)			N25°24.3′ E110°03.6′		
RNAV2	187°/007° 45	2 450		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲永福 Yongfu NDB (JW)			N25°00.5′ E110°01.0′		
RNAV2	214°/034° 42	1 853		↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲MOTOM			N24°41′24″ E109°47′38″		
RNAV2	214°/034° 122	1 495		↓↑	Nanning ACC
▲来宾 Laibin VOR/DME (LBN)			N23°45.8′ E109°08.8′		
W3					
▲綦江 Qijiang VOR/DME (QJG)			N29°03.1′ E106°39.9′		
RNAV2	180°/360° 82	2 419		↓↑	Chengdu ACC
▲ENLIL			N28°19′00″ E106°41′36″		
RNAV2	180°/360° 18	2 419		↓↑	ENLIL : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below) APUKI : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲APUKI			N28°09′33″ E106°42′10″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	180°/360° 19	2 419		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲NIKUN			N27°59′23″ E106°43′08″		
RNAV2	180°/360° 69	2 413		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲AGTIS			N27°22′08″ E106°45′00″		
RNAV2	180°/360° 65	2 309		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲SUMUN			N26°47′12″ E106°46′49″		
RNAV2	180°/360° 29	2 296		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲贵阳 Guiyang VOR/DME (KWE)			N26°31.4′ E106°47.7′		
W4					
▲合流水 Heliushui NDB (DS)			N30°12.0′ E106°50.9′		
RNAV2	038°/--- 21	2 305		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲IVSOL			N30°21′08″ E106°58′18″		
RNAV2	038°/--- 13	2 305		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲SOSLI			N30°26′51″ E107°03′02″		
RNAV2	038°/--- 89	2 034		↓	Chengdu ACC
▲ANBEP			N31°06′09″ E107°35′35″		
RNAV2	038°/--- 133	3 096		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲GOKEB			N32°04′30″ E108°24′20″		
RNAV2	038°/--- 103	3 096		↓	Xi'an ACC
▲GUPKU			N32°49′40″ E109°02′05″		
RNAV2	038°/--- 143	2 959		↓	Xi'an ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲商县 Shangxian VOR/DME (SHX)			N33°52.6′ E109°56.1′		
RNAV2	063°/243° 56	2 528		↓↑	Xi'an ACC
▲IGADA			N34°08′20″ E110°27′16″		
RNAV2	063°/243° 62	3 013		↓↑	Xi'an ACC
▲LIMGI			N34°25′48″ E111°02′00″		
RNAV2	063°/243° 95	2 431		↓↑	Xi'an ACC
▲OMLIX			N34°52′27″ E111°55′01″		
RNAV2	063°/243° 70	2 356		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲NUNGA			N35°12′16″ E112°34′42″		
RNAV2	063°/243° 87	3 013		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲TAMIX			N35°36′43″ E113°23′52″		
RNAV2	063°/243° 142	2 330		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VADMO			N36°16′49″ E114°44′27″		
RNAV2	063°/243° 18	674		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲魏县 Weixian VOR/DME (WXI)			N36°21.8′ E114°55.0′		
RNAV2	070°/250° 15	662		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲EKORO			N36°25′20″ E115°03′58″		
RNAV2	070°/250° 24	656		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲UPNEM			N36°31′02″ E115°18′21″		
RNAV2	070°/250° 10	650		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GULEK			N36°33′23″ E115°24′15″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	070°/250° 59	657		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲MUMUN			N36°47′35″ E116°00′00″		
RNAV2	070°/250° 81	657		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OLRED			N37°07′05″ E116°49′09″		
RNAV2	070°/250° 11	733		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲RAXEV			N37°09′50″ E116°56′03″		
RNAV2	070°/250° 11	733		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲GUSIR			N37°12′24″ E117°02′30″		
RNAV2	070°/250° 37	733		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲NOBUP			N37°21′16″ E117°25′00″		
RNAV2	087°/267° 72	789		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲BASOV			N37°27′24″ E118°13′00″		
RNAV2	087°/267° 51	789		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲东营 Dongying VOR/DME (DYN)			N37°31.7′ E118°47.2′		
RNAV2	091°/271° 66	789		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲BUGPA			N37°34′57″ E119°32′00″		
RNAV2	091°/271° 9	600		↓↑	BUGPA : Beijing ACC(Above 7800m) Jinan ACC(7800m or below) UPDAD : Qingdao ACC
▲UPDAD			N37°35′20″ E119°37′49″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	091°/271° 4	600		↓↑	Qingdao ACC
▲REPOL			N37°35′32″ E119°40′42″		
RNAV2	091°/271° 77	1 357		↓↑	Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
RNAV2	119°/299° 20	1 417		↓↑	Qingdao ACC
▲TEKAM			N37°35′10″ E120°45′17″		
RNAV2	119°/299° 40	1 417		↓↑	Qingdao ACC
▲屯里 Tunli NDB (FZ)			N37°27.1′ E121°10.7′		
RNAV2	115°/295° 97	1 523		↓↑	Qingdao ACC
▲威海 Weihai VOR/DME (WEH)			N37°11.0′ E122°13.6′		
RNAV2	151°/331° 15	1 155		↓↑	Qingdao ACC
▲SEBLI			N37°04′35″ E122°19′30″		
RNAV2	114°/294° 95	1 155		↓↑	Qingdao ACC
▲IKEKA			N36°49′53″ E123°21′15″		
W5					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
RNAV2	221°/041° 56	1 065		↓↑	Dalian ACC
▲EKULI			N38°32′38″ E121°12′57″		
RNAV2	221°/041° 11	1 065		↓↑	Dalian ACC
▲MAKNO			N38°27′48″ E121°08′54″		
RNAV2	245°/065° 44	802		↓↑	Dalian ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲KARPI			N38°15′00″ E120°43′02″		
RNAV2	213°/033° 29	802		↓↑	Qingdao ACC
▲GUMED			N38°01′00″ E120°34′20″		
RNAV2	192°/012° 41	1 312		↓↑	Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
RNAV2	194°/014° 126	1 427		↓↑	Qingdao ACC
▲ATLED			N36°31′54″ E120°22′44″		
RNAV2	188°/008° 27	1 417		↓↑	Qingdao ACC
▲青岛 Qingdao VOR/DME (TAO)			N36°17.3′ E120°22.2′		
W6					
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		
RNAV2	190°/--- 79	1 818		↓	Guangzhou ACC
▲SAREX			N22°52′54″ E113°29′00″		
RNAV2	170°/--- 40	1 130		↓	Guangzhou ACC
▲南朗 Nanlang VOR/DME (NLG)			N22°31.9′ E113°33.7′		
RNAV2	166°/346° 29	1 535		↓↑	Guangzhou ACC
▲LATOP			N22°16′54″ E113°38′36″		
南朗 VOR 至 LATOP 航段参阅澳门机场标准仪表进场/标准仪表离场程序。 Segment Nanlang VOR to LATOP refer STAR/SID of MACAO airport.					
W7					
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
RNAV2	120°/--- 34	972		↓	Guangzhou ACC
▲SAREX			N22°52′54″ E113°29′00″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	184°/--- 73	1 181		↓	Guangzhou ACC
▲连胜围 Lianshengwei VOR/DME (ZUH)			N22°13.3′ E113°28.0′		
W8					
▲NIXEP			N38°15′00″ E120°59′18″		
RNAV2	073°/--- 45	802		↓	Dalian ACC
△DOBGA			N38°24′47″ E121°27′31″		
RNAV2	023°/--- 17	600		↓	Dalian ACC
▲PATRI			N38°33′27″ E121°30′42″		
RNAV2	014°/--- 45	1 004		↓	Dalian ACC
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W9					
▲崇州 Chongzhou VOR/DME (CZH)			N30°38.7′ E103°41.2′		
RNP4	---/098° 43	5 597		↑	Chengdu ACC
▲NONOV			N30°41′10″ E103°14′32″		
RNP4	---/070° 23	5 964		↑	Chengdu ACC
▲LADUP			N30°36′31″ E103°01′00″		
RNP4	---/069° 40	5 964		↑	Chengdu ACC
▲UGILO			N30°28′14″ E102°37′53″		
RNP4	---/069° 94	6 173		↑	Chengdu ACC
▲康定 Kangding VOR/DME (KDJ)			N30°08.5′ E101°43.9′		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	277°/097° 20	6 173		↓↑	Chengdu ACC
▲VIPIB			N30°09′32″ E101°31′44″		
RNP4	277°/097° 78	5 837		↓↑	Chengdu ACC
▲ENVIS			N30°13′31″ E100°43′28″		
RNP4	277°/097° 70	5 742		↓↑	Chengdu ACC
▲BIGOR			N30°16′50″ E100°00′00″		
RNP4	277°/097° 174	6 346		↓↑	Chengdu ACC
▲DOLGU			N30°25′55″ E098°11′34″		
RNP4	277°/097° 101	6 551		↓↑	DOLGU : Chengdu ACC Bangda VOR/DME: Lhasa ACC
▲邦达 Bangda VOR/DME (DCH)			N30°31.3′ E097°08.5′		
RNP4	258°/078° 111	6 551		↓↑	Lhasa ACC
▲IBVUL			N30°17′56″ E096°00′30″		
RNP4	258°/078° 102	6 865		↓↑	Lhasa ACC
▲GOMON			N30°05′49″ E094°58′29″		
RNP4	258°/078° 102	7 051		↓↑	Lhasa ACC
▲ELNUN			N29°53′44″ E093°56′27″		
RNP4	241°/061° 104	6 588		↓↑	Lhasa ACC
▲LUPMI			N29°26′15″ E092°59′55″		
RNP4	241°/061° 46	6 699		↓↑	Lhasa ACC

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▲DUMIX			N29°14′00″ E092°35′10″		
RNP4	272°/092° 37	6 517		↓↑	Lhasa ACC
▲UGOVA			N29°14′38″ E092°12′02″		
RNP4	272°/092° 42	6 400		↓↑	Lhasa ACC
▲泽当 Zedang NDB (DM)			N29°15.3′ E091°45.9′		
W11					
▲PINOT			N31°27′00″ E122°27′00″		
RNAV2	249°/069° 71	1 232		↓↑	Shanghai ACC
▲浦东 Pudong VOR/DME (PUD)			N31°10.3′ E121°47.0′		
W12					
▲IBVUL			N30°17′56″ E096°00′30″		
RNP4	028°/208° 86	6 200		↓↑	Lhasa ACC
▲PARGU			N30°59′00″ E096°25′17″		
W13					
▲PINOT			N31°27′00″ E122°27′00″		
RNAV2	188°/008° 17	1 145		↓↑	Shanghai ACC
▲IPRAG			N31°17′49″ E122°26′28″		
RNAV2	188°/008° 33	1 145		↓↑	Shanghai ACC
▲LASAN			N31°00′00″ E122°25′28″		
RNAV2	188°/008° 46	1 145		↓↑	Shanghai ACC
▲PONAB			N30°35′16″ E122°24′04″		
RNAV2	188°/008° 38	1 145		↓↑	Shanghai ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲RULMU			N30°15′00″ E122°23′00″		
RNAV2	188°/008° 35	1 145		↓↑	Shanghai ACC
▲舟山 Zhoushan VOR/DME (HSN)			N29°55.9′ E122°21.8′		
RNAV2	173°/353° 83	1 145		↓↑	Shanghai ACC
▲TOGUG			N29°12′00″ E122°32′00″		
RNAV2	212°/032° 150	827		↓↑	Shanghai ACC
▲BEGMO			N28°00′00″ E121°50′00″		
RNAV2	213°/033° 53	600		↓↑	Shanghai ACC
▲OKATO			N27°35′06″ E121°34′38″		
航线高度 8 400 米至 12 500 米。 En-route altitude 8 400m—12 500m.					
W15					
▲DADAT			N30°27′00″ E121°14′48″		
RNAV2	053°/233° 80	1 232		↓↑	Shanghai ACC
▲书院 Shuyuan VOR/DME (XSY)			N30°55.9′ E121°52.4′		
参阅上海/浦东机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHANGHAI/Pudong airport.					
W16					
▲KADSA			N30°30′39″ E094°11′53″		
RNP4	200°/020° 23	7 183		↓↑	Lhasa ACC
▲LEDIM			N30°19′00″ E094°07′00″		
RNP4	200°/020° 50	7 183		↓↑	Lhasa ACC
▲ELNUN			N29°53′44″ E093°56′27″		
W17					

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲VIPIB			N30°09′32″ E101°31′44″		
RNP4	029°/209° 78	6 422		↓↑	Chengdu ACC
▲KAMAX			N30°46′58″ E101°54′10″		
W18					
▲翁源 Wengyuan VOR/DME (WYN)			N24°21.0′ E114°06.7′		
RNAV2	199°/--- 97	2 036		↓	Guangzhou ACC
▲NOMAR			N23°30′30″ E113°51′24″		
RNAV2	199°/--- 72	1 882		↓	Guangzhou ACC
▲UBLIM			N22°53′15″ E113°40′12″		
RNAV2	199°/--- 41	1 231		↓	Guangzhou ACC
▲南朗 Nanlang VOR/DME (NLG)			N22°31.9′ E113°33.7′		
RNAV2	125°/--- 37	1 535		↓	Guangzhou ACC
▲TAMOT			N22°21′30″ E113°52′00″		
W19					
▲昌北 Changbei VOR/DME (NCH)			N28°53.1′ E115°54.7′		
RNAV2	219°/039° 36	1 441		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲OLDAX			N28°37′11″ E115°42′26″		
RNAV2	210°/030° 16	1 549		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△AVDIP			N28°29′11″ E115°38′07″		
RNAV2	210°/030° 13	1 342		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PULES			N28°23′04″ E115°34′49″		
RNAV2	165°/345° 49	1 769		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG)DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲RUNEK			N27°57′43″ E115°44′02″		
RNAV2	203°/023° 23	1 769	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲OSONO			N27°45′52″ E115°39′17″		
RNAV2	203°/023° 30	1 769	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲ELRER			N27°30′35″ E115°33′07″		
RNAV2	203°/023° 42	1 449	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲IRNOL			N27°09′12″ E115°24′32″		
RNAV2	203°/023° 42	1 853	20	↓↑	Guangzhou ACC
▲PANBO			N26°47′48″ E115°16′00″		
RNAV2	203°/023° 117	1 897	20	↓↑	Guangzhou ACC
▲蟠龙 Panlong VOR/DME (PLT)			N25°48.5′ E114°52.5′		
RNAV2	195°/--- 107	1 673		↓	Guangzhou ACC
▲MASGU			N24°52′13″ E114°38′36″		
RNAV2	195°/--- 19	1 832		↓	Guangzhou ACC
△UPMIP			N24°42′02″ E114°36′06″		
RNAV2	214°/--- 37	1 954		↓	Guangzhou ACC
△ATKAV			N24°24′36″ E114°25′06″		
RNAV2	214°/--- 42	1 954		↓	Guangzhou ACC
▲OLPAB			N24°05′00″ E114°12′50″		
RNAV2	214°/--- 74	2 036		↓	Guangzhou ACC
▲NOMAR			N23°30′30″ E113°51′24″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	234°/--- 87	1 810		↓	Guangzhou ACC
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
W20					
△ATKAV			N24°24′36″ E114°25′06″		
	252°/--- 39	1 954		↓	Guangzhou ACC
▲SALIV			N24°16′51″ E114°03′58″		
W21					
▲GUBLO			N22°42′36″ E114°02′05″		
RNAV2	310°/130° 38	1 543		↓↑	Guangzhou ACC
▲MIPAG			N22°55′18″ E113°44′30″		
RNAV2	310°/130° 42	1 134		↓↑	Guangzhou ACC
▲岑村 Cencun VOR/DME (CEN)			N23°09.1′ E113°25.0′		
RNAV2	021°/201° 30	1 393		↓↑	Guangzhou ACC
▲NUSLA			N23°24′42″ E113°30′54″		
W22					
▲GUBLO			N22°42′36″ E114°02′05″		
RNAV2	340°/160° 22	1 543		↓↑	Guangzhou ACC
▲IDUMA			N22°53′47″ E113°57′06″		
RNAV2	338°/158° 24	1 397		↓↑	Guangzhou ACC
▲石龙 Shilong VOR/DME (SHL)			N23°05.5′ E113°51.0′		
RNAV2	318°/--- 49	1 600		↓	Guangzhou ACC
▲NUSLA			N23°24′42″ E113°30′54″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	318°/--- 19	1 600		↓	Guangzhou ACC
▲TEPID			N23°32′06″ E113°23′06″		
RNAV2	005°/--- 73	1 818		↓	Guangzhou ACC
▲英德 Yingde VOR/DME (YIN)			N24°11.4′ E113°24.9′		
W23					
▲南朗 Nanlang VOR/DME (NLG)			N22°31.9′ E113°33.7′		
RNAV2	199°/019° 36	1 535		↓↑	Guangzhou ACC
▲连胜围 Lianshengwei VOR/DME (ZUH)			N22°13.3′ E113°28.0′		
W24					
▲TEPID			N23°32′06″ E113°23′06″		
RNAV2	319°/--- 21	1 384		↓	Guangzhou ACC
▲源潭 Yuantan VOR/DME (TAN)			N23°40.1′ E113°14.5′		
RNAV2	297°/--- 29	1 500		↓	Guangzhou ACC
▲LIPNO			N23°46′35″ E112°58′49″		
RNAV2	346°/--- 17	1 687		↓	Guangzhou ACC
▲SUMIB			N23°55′28″ E112°55′53″		
RNAV2	346°/--- 27	1 771		↓	Guangzhou ACC
▲AGVIL			N24°09′11″ E112°51′19″		
RNAV2	346°/--- 39	1 971		↓	Guangzhou ACC
▲OSNOV			N24°29′24″ E112°44′35″		
W25					
▲叙永 Xuyong VOR/DME (XYO)			N28°10.3′ E105°25.2′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	314°/134° 44	2 366		↓↑	Chengdu ACC
▲PAMLO			N28°26′09″ E105°05′14″		
RNAV2	314°/134° 69	2 329		↓↑	Chengdu ACC
▲五粮液 Wuliangye VOR/DME (WLY)			N28°51.0′ E104°33.8′		
W26					
▲石龙 Shilong VOR/DME (SHL)			N23°05.5′ E113°51.0′		
RNAV2	024°/--- 48	1 882		↓	Guangzhou ACC
▲UPRIK			N23°29′52″ E114°00′40″		
W27					
▲IKITI			N45°54′54″ E121°14′06″		
RNAV2	173°/353° 273	1 992		↓↑	Shenyang ACC
▲通辽 Tongliao VOR/DME (TGO)			N43°33.6′ E122°11.8′		
W28					
▲KAKAT			N42°11′00″ E118°15′18″		
RNAV2	303°/--- 50	2 501		↓	KAKAT: Shenyang ACC OSNEV: Beijing ACC(Above 7 800m) Hohhot ACC(7800m or below)
▲OSNEV			N42°22′28″ E117°42′23″		
RNAV2	272°/--- 56	2 539		↓	Beijing ACC(Above 7 800m) Hohhot ACC(7800m or below)
▲AGRIV			N42°20′28″ E117°01′26″		
RNAV2	272°/--- 112	2 300		↓	Beijing ACC(Above 7 800m) Hohhot ACC(7800m or below)
▲UNTEN			N42°15′46″ E115°40′11″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	272°/--- 34	2 260		↓	Beijing ACC(Above 7 800m) Hohhot ACC(7800m or below)
▲UPREK			N42°14′10″ E115°15′46″		
RNAV2	272°/--- 146	2 344		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VERMI			N42°06′09″ E113°29′46″		
RNAV2	262°/--- 72	2 324		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲RURNU			N41°56′25″ E112°38′46″		
RNAV2	291°/--- 115	2 350		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LAXAG			N42°12′23″ E111°18′11″		
RNP4	265°/--- 437	2 534		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲ISBOS			N41°31′59″ E106°05′56″		
RNP4	251°/--- 43	2 037		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲KEVOB			N41°23′15″ E105°37′05″		
RNP4	251°/--- 104	2 212		↓	KEVOB : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) ATBUG : Lanzhou ACC
▲ATBUG			N41°01′50″ E104°28′24″		
W30					
▲宁陕 Ningshan VOR/DME (NSH)			N33°19.1′ E108°18.7′		
RNAV2	205°/025° 137	3 223	20	↓↑	Xi'an ACC
▲DUBID			N32°10′30″ E107°46′11″		
RNAV2	205°/--- 96	2 443	20	↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲SANUK			N31°22′19″ E107°23′31″		
RNAV2	205°/--- 99	1 919	20	↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲SULEP			N30°32′37″ E107°00′25″		
RNAV2	205°/--- 19	2 305	20	↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲BEGUK			N30°23′15″ E106°56′02″		
RNAV2	205°/--- 22	2 305	20	↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲合流水 Heliushui NDB (DS)			N30°12.0′ E106°50.9′		
RNAV2	202°/022° 11	2 305	8	↓↑	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲UGOPO			N30°06′22″ E106°48′25″		
RNAV2	202°/022° 43	2 305	8	↓↑	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲江北 Jiangbei VOR/DME (CKG)			N29°44.8′ E106°39.2′		
RNAV2	181°/001° 77	1 954	8	↓↑	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲綦江 Qijiang VOR/DME (QJG)			N29°03.1′ E106°39.9′		
RNAV2	226°/046° 111	2 443	20	↓↑	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲SABED			N28°19′48″ E105°52′26″		
RNAV2	226°/046° 43	2 394	20	↓↑	SABED : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below) NIXID : Chengdu ACC
▲NIXID			N28°03′09″ E105°34′27″		
RNAV2	226°/046° 8	2 395	20	↓↑	Chengdu ACC
▲UKEGO			N28°00′00″ E105°30′49″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	226°/046° 18	2 419	20	↓↑	Chengdu ACC
▲RIRKI			N27°53′08″ E105°23′22″		
RNAV2	226°/046° 40	2 925	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲IDSID			N27°37′47″ E105°06′40″		
RNAV2	226°/046° 60	3 068	20	↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲UDETU			N27°14′27″ E104°41′17″		
RNAV2	226°/046° 58	3 413	20	↓↑	UDETU : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) 威宁 Weining NDB: Kunming ACC
▲威宁 Weining NDB (HX)			N26°51.6′ E104°16.9′		
RNAV2	220°/040° 98	3 981	20	↓↑	Kunming ACC
▲MEBNA			N26°10′49″ E103°38′59″		
RNAV2	220°/040° 112	3 981	20	↓↑	Kunming ACC
▲盘龙 Panlong VOR/DME (XFA)			N25°24.1′ E102°56.0′		
綦江 VOR 至 IDSID 航段飞行高度 9 200 米(不含)至 12 500 米。 Segments Between Qijiang VOR and IDSID, en-route altitude 9 200m (exclusive)—12 500m.					
W31					
▲朝阳 Chaoyang VOR/DME (CHG)			N41°32.2′ E120°26.0′		
RNAV2	307°/127° 95	1 769		↓↑	Shenyang ACC
△UPNAT			N41°56′35″ E119°25′29″		
RNAV2	307°/127° 57	1 923		↓↑	Shenyang ACC
▲赤峰 Chifeng VOR/DME (CHF)			N42°11.4′ E118°48.7′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	277°/097° 46	2 324		↓↑	Shenyang ACC
▲KAKAT			N42°11′00″ E118°15′18″		
W32					
▲INTIK 中蒙国境点			N43°40′48″ E111°54′06″		
RNAV2	186°/006° 120	2 816		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
△ASURI			N42°36′09″ E111°54′02″		
RNAV2	186°/006° 184	2 816		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲PADSA			N40°56′46″ E111°53′55″		
RNAV2	186°/006° 24	2 816		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		
限制飞行高度 8 400 米以上使用。 Segments BTN INTIK and Hohhot VOR, limited to use with en-route altitudes 8 400m or above.					
W33					
▲POLHO 中蒙国境点			N44°47′00″ E113°15′00″		
RNAV2	122°/--- 236	2 078		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲锡林浩特 Xilinhot VOR/DME (HOT)			N43°54.9′ E115°58.0′		
RNAV2	175°/--- 92	2 255		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲NUVPU			N43°06′25″ E116°11′39″		
RNAV2	175°/--- 105	2 232		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲AKPAD			N42°11′06″ E116°28′30″		

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RNAV2	123°/--- 75	2 398		↓	AKPAD : Beijing ACC Hohhot ACC(7800m or below) VALVA : Beijing ACC
▲VALVA			N41°54′17″ E117°17′43″		
RNAV2	123°/--- 106	2 460		↓	Beijing ACC
▲UKDUM			N41°29′51″ E118°26′40″		
W34					
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
RNAV2	107°/287° 37	1 197		↓↑	Beijing ACC
▲LADIX			N39°07′46″ E116°59′32″		
RNAV2	107°/287° 33	1 197		↓↑	Beijing ACC
△PAMRU			N39°04′43″ E117°22′26″		
RNAV2	098°/278° 57	1 130		↓↑	Beijing ACC
▲MUGLO			N39°04′13″ E118°02′04″		
RNAV2	110°/--- 41	840		↓	Beijing ACC
▲OTBUL			N38°59′47″ E118°29′53″		
RNAV2	110°/--- 118	604		↓	Beijing ACC
▲VAPGU			N38°46′23″ E119°49′44″		
RNAV2	147°/--- 17	600		↓	Beijing ACC
▲ANRAT			N38°39′30″ E119°57′24″		
W35					
▲TEMAD			N38°28′24″ E118°24′19″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	015°/195° 59	604		↓↑	Beijing ACC
▲OTBUL			N38°59′47″ E118°29′53″		
RNAV2	021°/--- 85	1 039		↓	Beijing ACC
▲滦县 Luanxian VOR/DME (LUX)			N39°44.5′ E118°43.6′		
RNAV2	044°/--- 66	2 024		↓	Beijing ACC
▲ANOBI			N40°13′17″ E119°10′45″		
RNAV2	044°/224° 180	2 024		↓↑	ANOBI : Beijing ACC 朝阳 Chaoyang VOR/DME: Shenyang ACC
▲朝阳 Chaoyang VOR/DME (CHG)			N41°32.2′ E120°26.0′		
W36					
▲IGMOR			N38°49′51″ E118°01′54″		
RNAV2	109°/--- 30	600		↓	Beijing ACC
▲ENVAV			N38°46′33″ E118°22′40″		
RNAV2	109°/--- 103	600		↓	Beijing ACC
▲OLROB			N38°34′57″ E119°32′34″		
RNAV2	099°/--- 37	600		↓	Beijing ACC
▲UGASA			N38°34′19″ E119°57′58″		
RNAV2	112°/--- 17	600		↓	Dalian ACC
▲LOTGO			N38°32′02″ E120°09′32″		
W37					
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	222°/042° 73	620		↓↑	Beijing ACC
▲OMDEK			N38°39′18″ E116°05′27″		
RNAV2	207°/--- 44	624		↓	Beijing ACC
▲ATPIR			N38°16′54″ E115°54′47″		
RNAV2	193°/--- 19	624		↓	Beijing ACC
▲IGMUD			N38°06′57″ E115°53′13″		
RNAV2	193°/--- 24	625		↓	Beijing ACC
▲OTKAB			N37°54′00″ E115°51′12″		
RNAV2	193°/--- 20	626		↓	Beijing ACC
▲LOVTI			N37°43′05″ E115°49′25″		
RNAV2	211°/--- 124	649		↓	Beijing ACC
▲ELDUT			N36°42′35″ E115°14′01″		
RNAV2	211°/--- 35	656		↓	ELDUT : Beijing ACC EKORO : Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲EKORO			N36°25′20″ E115°03′58″		
RNAV2	211°/--- 8	659		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DADGA			N36°21′22″ E115°01′40″		
RNAV2	190°/--- 244	700		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲KILUD			N34°10′20″ E114°48′34″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	190°/--- 37	660		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲PAKMA			N33°50′33″ E114°46′40″		
RNAV2	190°/--- 16	654		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲UNTEL			N33°42′13″ E114°45′50″		
RNAV2	190°/--- 12	654		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GUTOV			N33°35′32″ E114°45′13″		
RNAV2	190°/--- 12	654		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲RUMGU			N33°28′55″ E114°44′32″		
RNAV2	190°/--- 31	653		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DUDBI			N33°12′21″ E114°42′56″		
RNAV2	190°/--- 36	654		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲ATMEM			N32°53′04″ E114°41′02″		
RNAV2	190°/--- 56	716		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(6900m or below)
▲ENLAB			N32°22′59″ E114°38′12″		
RNAV2	190°/--- 82	1 408		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲PONUD			N31°38′54″ E114°33′56″		
RNAV2	190°/--- 39	1 465		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲NODIM			N31°17′46″ E114°31′55″		
RNAV2	190°/--- 6	1 200		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲AVLEN			N31°14′40″ E114°31′37″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	209°/--- 39	1 474		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天河 Tianhe NDB (HG)			N30°55.5′ E114°21.0′		
RNAV2	209°/--- 14	1 200		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DUBAS			N30°48′38″ E114°17′24″		
RNAV2	209°/--- 27	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OSIRU			N30°35′28″ E114°10′15″		
RNAV2	209°/--- 5	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UDUMI			N30°32′51″ E114°08′50″		
RNAV2	209°/--- 37	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IGNIK			N30°14′42″ E113°59′03″		
RNAV2	209°/--- 46	925		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OLMIB			N29°52′17″ E113°47′05″		
RNAV2	188°/--- 71	1 861		↓	OLMIB : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) GUSIV : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲GUSIV			N29°14′07″ E113°44′26″		
RNAV2	183°/--- 55	2 200		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲PEXID			N28°44′16″ E113°45′18″		
RNAV2	188°/--- 46	2 240		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IGNEG			N28°19′30″ E113°43′29″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	188°/--- 11	2 082		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OLTOL			N28°13′44″ E113°43′04″		
RNAV2	188°/--- 11	2 021		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VIKEB			N28°07′36″ E113°42′37″		
RNAV2	188°/--- 10	1 591		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△VAKDO			N28°02′29″ E113°42′10″		
RNAV2	188°/--- 45	1 548		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲APESO			N27°38′34″ E113°40′02″		
RNAV2	185°/--- 52	1 942		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲OMBEB			N27°10′46″ E113°39′25″		
W38					
▲横沙 Hengsha VOR/DME (HSH)			N31°22.1′ E121°50.8′		
RNAV2	086°/266° 58	1 232		↓↑	Shanghai ACC
▲PINOT			N31°27′00″ E122°27′00″		
W39					
▲牡丹江 Mudanjiang VOR/DME (MDJ)			N44°30.9′ E129°33.8′		
RNAV2	252°/072° 91	1 860		↓↑	Harbin ACC
▲UGABI			N44°07′36″ E128°33′00″		
RNAV2	164°/344° 48	2 143		↓↑	Harbin ACC
▲OBLOV			N43°44′40″ E128°49′12″		
RNAV2	164°/344° 44	1 890		↓↑	Dalian ACC
▲KANVU			N43°23′39″ E129°03′55″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	161°/341° 65	1 890		↓↑	Dalian ACC
▲延吉 Yanji VOR/DME (YNJ)			N42°53.0′ E129°27.1′		
W40					
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
RNAV2	179°/359° 62	620		↓↑	Beijing ACC
▲ELKUR			N38°38′23″ E116°39′54″		
RNAV2	192°/--- 39	616		↓	Beijing ACC
▲DOXAB			N38°17′28″ E116°37′30″		
RNAV2	170°/--- 21	616		↓	Beijing ACC
▲OVNUG			N38°06′37″ E116°41′32″		
RNAV2	170°/--- 94	733		↓	Beijing ACC
▲PANKI			N37°17′45″ E116°59′59″		
RNAV2	166°/--- 11	733		↓	PANKI : Beijing ACC GUSIR : Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲GUSIR			N37°12′24″ E117°02′30″		
RNAV2	166°/--- 44	1 098		↓	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
W41					
▲IDUMA			N22°53′47″ E113°57′06″		
RNAV2	013°/--- 44	1 826		↓	Guangzhou ACC
▲ISLOM			N23°17′24″ E114°01′13″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	002°/--- 23	1 826		↓	Guangzhou ACC
▲UPRIK			N23°29′52″ E114°00′40″		
RNAV2	042°/--- 45	1 826		↓	Guangzhou ACC
▲BOVMA			N23°49′15″ E114°16′58″		
RNAV2	042°/--- 106	1 909		↓	Guangzhou ACC
△DOPKU			N24°34′15″ E114°55′16″		
W42					
▲延吉 Yanji VOR/DME (YNJ)			N42°53.0′ E129°27.1′		
RNAV2	041°/221° 53	1 638		↓↑	Dalian ACC
▲汪清 Wangqing VOR/DME (WQG)			N43°17.6′ E129°47.1′		
W43					
▲GODON			N37°46′27″ E112°21′06″		
RNAV2	249°/--- 59	2 855		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲GUINS			N37°32′34″ E111°45′02″		
RNAV2	249°/--- 8	2 855		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲SAVPA			N37°30′37″ E111°40′03″		
RNAV2	249°/--- 98	3 130		↓	Xi'an ACC
▲UGOTU			N37°07′02″ E110°40′30″		
RNAV2	247°/--- 118	2 091		↓	Xi'an ACC
▲ATERI			N36°37′38″ E109°29′38″		
RNAV2	247°/--- 32	2 170		↓	Xi'an ACC
▲GUTRU			N36°29′38″ E109°10′46″		

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W44					
▲OLPAB			N24°05′00″ E114°12′50″		
RNAV2	232°/--- 20	2 030		↓	Guangzhou ACC
▲IGONO			N23°57′57″ E114°03′53″		
RNAV2	232°/--- 64	1 845		↓	Guangzhou ACC
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		
W45					
▲OSUBA			N40°44′11″ E117°02′14″		
RNAV2	241°/061° 75	2 135		↓↑	Beijing ACC
▲ASAVA			N40°20′13″ E116°19′36″		
RNAV2	236°/056° 98	2 817		↓↑	Beijing ACC
▲RUSDO			N39°45′40″ E115°26′51″		
RNAV2	249°/--- 91	3 041		↓	Beijing ACC
▲ADPUM			N39°23′08″ E114°30′38″		
RNAV2	249°/--- 17	2 793		↓	Beijing ACC
▲IPLEV			N39°18′51″ E114°20′10″		
RNAV2	249°/--- 19	2 793		↓	Beijing ACC
▲NOMOV			N39°14′00″ E114°08′20″		
RNAV2	201°/--- 67	2 894		↓	Beijing ACC
▲APEXU			N38°39′22″ E113°56′03″		

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RNAV2	201°/--- 36	2 894		↓	APEXU: Beijing ACC VAGBI: Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲VAGBI			N38°20′26″ E113°49′25″		
RNAV2	201°/--- 241	2 700		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲长治 Changzhi NDB (SQ)			N36°14.4′ E113°07.0′		
RNAV2	208°/--- 54	2 105		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲URBIL			N35°47′13″ E112°52′52″		
RNAV2	208°/--- 24	2 019		↓	URBIL: Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) UBDUN: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲UBDUN			N35°35′14″ E112°46′38″		
RNAV2	208°/--- 46	2 100		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲NUNGA			N35°12′16″ E112°34′42″		
RNAV2	208°/--- 12	2 228		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲济源 Jiyuan NDB (GU)			N35°06.6′ E112°31.8′		
RNAV2	201°/--- 43	2 228		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲洛阳 Luoyang VOR/DME (LYA)			N34°44.5′ E112°23.7′		
RNAV2	180°/--- 121	2 753		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲URGIN			N33°39′05″ E112°29′16″		

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RNAV2	180°/--- 82	2 753		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲南阳 Nanyang NDB (ML)			N32°55.0′ E112°33.0′		
RNAV2	200°/--- 11	1 053		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VARDU			N32°49′19″ E112°31′02″		
RNAV2	200°/--- 86	1 060		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OVLAR			N32°04′33″ E112°16′32″		
RNAV2	195°/--- 76	1 215		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲RUXIL			N31°24′18″ E112°08′24″		
RNAV2	195°/--- 83	1 215		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IGEDU			N30°40′37″ E111°57′45″		
RNAV2	195°/--- 150	1 204		↓	IGEDU : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) 临澧 Linli VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲临澧 Linli VOR/DME (LIN)			N29°21.2′ E111°38.9′		
RNAV2	186°/--- 56	1 204		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲常德 Changde NDB (CD)			N28°50.9′ E111°37.3′		
RNAV2	189°/--- 47	1 628		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲XOPEK			N28°25′48″ E111°34′35″		
RNAV2	189°/--- 49	2 121		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IRSAS			N27°59′38″ E111°31′49″		

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RNAV2	189°/--- 120	1 888		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲NUPTI			N26°55′03″ E111°25′06″		
RNAV2	131°/--- 208	2 513		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VESUX			N25°45′49″ E113°03′42″		
RNAV2	184°/--- 145	2 513		↓	Guangzhou ACC
▲PUNIR			N24°27′42″ E113°01′44″		
RNAV2	169°/--- 9	2 186		↓	Guangzhou ACC
▲IKAVO			N24°23′13″ E113°02′57″		
RNAV2	169°/--- 40	2 150		↓	Guangzhou ACC
▲LUPVU			N24°02′28″ E113°08′34″		
RNAV2	169°/--- 43	1 500		↓	Guangzhou ACC
▲源潭 Yuantan VOR/DME (TAN)			N23°40.1′ E113°14.5′		
W45 航线 RUXIL-NUPTI 航段使用高度为 9200 米(含)以上. Segments between RUXIL and NUPTI, En-route altitude 9 200m or above.					
W46					
▲PULES			N28°23′04″ E115°34′49″		
RNAV2	264°/084° 31	976	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲LEPMI			N28°20′30″ E115°16′13″		
RNAV2	264°/084° 28	1 162	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲ANISA			N28°18′02″ E114°59′37″		
RNAV2	264°/084° 64	1 781	20	↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲OVTAN			N28°12′41″ E114°20′52″		

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RNAV2	264°/084° 63	2 017	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VIKEB			N28°07′36″ E113°42′37″		
RNAV2	264°/084° 15	1 591	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲PAVTU			N28°06′20″ E113°33′21″		
RNAV2	264°/084° 10	1 431	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲ISMED			N28°05′31″ E113°27′09″		
RNAV2	264°/084° 6	1 417	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲ESBIX			N28°05′00″ E113°23′18″		
RNAV2	264°/084° 42	1 394	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲大托铺 Datuopu NDB (ZK)			N28°01.1′ E112°57.8′		
RNAV2	277°/097° 74	1 517	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲老粮仓 Laoliangcang VOR/DME (LLC)			N28°04.1′ E112°12.5′		
W47					
▲BUMDU			N40°42′50″ E117°16′55″		
RNAV2	249°/069° 91	2 625		↓↑	Beijing ACC
▲ASAVA			N40°20′13″ E116°19′36″		
RNAV2	249°/069° 14	2 071		↓↑	Beijing ACC Beijing ACC
▲AVLAP			N40°16′33″ E116°10′38″		
RNAV2	249°/069° 68	2 941		↓↑	Beijing ACC
▲BOTPU			N39°59′07″ E115°28′30″		
RNAV2	280°/--- 113	3 436		↓	Beijing ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲VIGEK			N40°02′54″ E114°08′38″		
RNAV2	280°/--- 144	3 021		↓	Beijing ACC
▲OGEDO			N40°09′43″ E112°27′18″		
RNAV2	255°/--- 25	2 623		↓	OGEDO : Beijing ACC IGPET : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IGPET			N40°05′09″ E112°10′54″		
RNAV2	255°/--- 31	2 363		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IBARO			N39°59′21″ E111°50′18″		
RNAV2	225°/--- 120	2 363		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UGPOR			N39°09′27″ E110°56′54″		
RNAV2	278°/--- 68	2 047		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VEXEB			N39°11′37″ E110°09′40″		
RNAV2	278°/--- 57	2 132		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IDSOT			N39°13′27″ E109°29′59″		
RNAV2	195°/--- 17	2 132		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IPNON			N39°04′28″ E109°27′46″		
RNAV2	195°/--- 20	2 132		↓	Xi'an ACC
▲KIBIP			N38°53′43″ E109°25′07″		
RNAV2	195°/--- 58	2 027		↓	Xi'an ACC
▲PABNI			N38°23′11″ E109°17′36″		

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RNAV2	187°/--- 211	2 300		↓	Xi'an ACC
▲GUTRU			N36°29′38″ E109°10′46″		
RNAV2	187°/--- 72	2 200		↓	Xi'an ACC
▲LOVRA			N35°50′45″ E109°08′23″		
W48					
▲鄂尔多斯 Ordos VOR/DME (HDS)			N39°29.4′ E109°51.7′		
RNAV2	231°/051° 43	2 177		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IDSOT			N39°13′27″ E109°29′59″		
RNAV2	277°/--- 57	2 132		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LAVOM			N39°14′54″ E108°50′08″		
RNAV2	277°/--- 63	2 152		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲MAKIP			N39°16′15″ E108°06′11″		
RNAV2	324°/--- 151	2 206		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲磴口 Dengkou VOR/DME (DKO)			N40°18.5′ E106°57.8′		
W49					
▲UKDUM			N41°29′51″ E118°26′40″		
RNAV2	278°/--- 99	2 460		↓	Beijing ACC
▲VAGNU			N41°30′24″ E117°15′26″		
RNAV2	199°/--- 88	2 365		↓	Beijing ACC
▲OSUBA			N40°44′11″ E117°02′14″		
RNAV2	216°/036° 51	2 135		↓↑	Beijing ACC
▲怀柔 Huairou VOR/DME (HUR)			N40°19.8′ E116°44.9′		

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W50					
▲REPUV			N31°01′41″ E114°09′07″		
RNAV2	126°/306° 22	1 474		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天河 Tianhe NDB (HG)			N30°55.5′ E114°21.0′		
RNAV2	126°/306° 12	1 200	8	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲SAGUD			N30°51′56″ E114°27′38″		
RNAV2	126°/306° 91	1 200	8	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
RNAV2	057°/237° 69	2 232		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OTBUG			N30°49′00″ E115°50′31″		
RNAV2	057°/237° 7	2 307		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲IKUBA			N30°51′20″ E115°54′03″		
RNAV2	057°/237° 114	2 374		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲ADGOL			N31°28′42″ E116°50′42″		
RNAV2	057°/237° 25	2 374		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲KIKEG			N31°36′52″ E117°03′03″		
RNAV2	057°/237° 30	2 374		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
W51					
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
RNAV2	131°/311° 32	1 113		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲LEGIV			N31°36′30″ E117°34′30″		

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RNAV2	082°/262° 52	1 079		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲MADUK			N31°43′05″ E118°06′16″		
W52					
▲NUVPU			N43°06′25″ E116°11′39″		
RNAV2	149°/--- 109	2 321		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲AGRIV			N42°20′28″ E117°01′26″		
RNAV2	149°/--- 31	2 397		↓	Beijing ACC Hohhot ACC(7800m or below)
▲URGOM			N42°07′15″ E117°15′27″		
RNAV2	180°/--- 24	2 326		↓	URGOM : Beijing ACC Hohhot ACC(7800m or below) VALVA : Beijing ACC
▲VALVA			N41°54′17″ E117°17′43″		
RNAV2	180°/--- 98	2 300		↓	Beijing ACC
▲MUDAM			N41°01′58″ E117°26′40″		
W53					
▲RUXIL			N31°24′18″ E112°08′24″		
RNAV2	204°/024° 78	1 215		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲当阳 Dangyang NDB (VL)			N30°45.1′ E111°51.2′		
RNAV2	243°/063° 20	1 441		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UBKOX			N30°39′45″ E111°40′34″		
RNAV2	233°/053° 22	1 386		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		

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W54					
▲URGOM			N42°07′15″ E117°15′27″		
RNAV2	187°/--- 68	2 365		↓	URGOM : Beijing ACC Hohhot ACC(7800m or below) VAGNU : Beijing ACC
▲VAGNU			N41°30′24″ E117°15′26″		
W55					
▲UNSEK			N38°36′46″ E120°14′08″		
RNAV2	235°/--- 30	600		↓	Dalian ACC
▲OVTUP			N38°25′56″ E119°58′50″		
RNAV2	235°/--- 53	600		↓	Beijing ACC
▲DOVIV			N38°06′40″ E119°31′57″		
RNAV2	299°/--- 73	604		↓	Beijing ACC
▲VIDEL			N38°21′42″ E118°45′22″		
RNAV2	299°/--- 33	600		↓	Beijing ACC
▲TEMAD			N38°28′24″ E118°24′19″		
RNAV2	299°/--- 35	600		↓	Beijing ACC
▲DUMAP			N38°35′29″ E118°01′45″		
RNAV2	321°/141° 78	1 130		↓↑	Beijing ACC
△PAMRU			N39°04′43″ E117°22′26″		
W56					
▲BUBDA			N25°52′06″ E113°27′49″		

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RNAV2	001°/--- 72	2 600		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VAKVU			N26°30′49″ E113°26′20″		
RNAV2	001°/--- 91	1 942		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲REBIS			N27°19′40″ E113°24′27″		
RNAV2	005°/--- 36	1 412		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲UKLUK			N27°39′14″ E113°24′50″		
RNAV2	008°/--- 18	1 417		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VANPI			N27°49′00″ E113°25′42″		
RNAV2	008°/--- 11	1 417		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲POXIB			N27°55′01″ E113°26′14″		
RNAV2	008°/--- 10	1 417		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△UKBOL			N28°00′33″ E113°26′43″		
RNAV2	008°/--- 9	1 431		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲ISMED			N28°05′31″ E113°27′09″		
RNAV2	008°/--- 12	1 488		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OBLUV			N28°11′51″ E113°27′36″		
RNAV2	008°/--- 22	1 960		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲LUMLU			N28°23′54″ E113°28′28″		
RNAV2	008°/--- 41	1 932		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲OPORU			N28°46′02″ E113°30′03″		

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RNAV2	008°/--- 58	1 861		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲GUDRO			N29°17′01″ E113°32′17″		
RNAV2	008°/--- 74	1 861		↓	GUDRO : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) UPMAT : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UPMAT			N29°56′42″ E113°35′44″		
RNAV2	028°/--- 84	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDPOG			N30°38′18″ E113°56′35″		
RNAV2	028°/--- 7	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲荷芭湖 Hebaohu VOR/DME (DHB)			N30°41.9′ E113°58.3′		
RNAV2	028°/--- 9	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OBDON			N30°46′26″ E114°00′51″		
RNAV2	028°/--- 31	1 474		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲REPUV			N31°01′41″ E114°09′07″		
RNAV2	028°/--- 40	1 474		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲VEXAN			N31°21′28″ E114°19′54″		
RNAV2	006°/--- 41	1 474		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TEPIT			N31°43′30″ E114°20′33″		
RNAV2	006°/--- 10	1 408		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲BENBI			N31°48′57″ E114°20′43″		

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RNAV2	006°/--- 49	1 408		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ESMEB			N32°15′24″ E114°21′31″		
RNAV2	010°/--- 44	930		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(6900m or below)
▲TULRA			N32°38′56″ E114°23′40″		
RNAV2	010°/--- 71	930		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲IGMIG			N33°17′14″ E114°27′15″		
RNAV2	010°/--- 36	700		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VINIG			N33°36′52″ E114°29′06″		
RNAV2	010°/--- 23	658		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OBMEP			N33°49′20″ E114°30′16″		
RNAV2	010°/--- 71	672		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OKTOX			N34°27′40″ E114°33′54″		
RNAV2	010°/--- 181	907		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DOSKU			N36°05′04″ E114°43′18″		
RNAV2	010°/--- 22	676		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VADMO			N36°16′49″ E114°44′27″		
RNAV2	010°/--- 10	942		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲ORODO			N36°22′27″ E114°45′01″		

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RNAV2	031°/--- 175	968		↓	ORODO: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below) LEBUN: Beijing ACC
▲LEBUN			N37°47′53″ E115°35′20″		
RNAV2	003°/--- 31	635		↓	Beijing ACC
▲IGMES			N38°04′48″ E115°34′05″		
RNAV2	003°/--- 3	633		↓	Beijing ACC
▲AVLUV			N38°06′37″ E115°34′01″		
RNAV2	003°/--- 18	633		↓	Beijing ACC
▲NUDKU			N38°16′07″ E115°33′21″		
RNAV2	033°/--- 28	632		↓	Beijing ACC
▲GUVRI			N38°29′52″ E115°42′00″		
RNAV2	033°/--- 20	626		↓	Beijing ACC
▲DUGEB			N38°39′43″ E115°48′14″		
RNAV2	055°/235° 89	620		↓↑	Beijing ACC
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
W57					
▲LEBUN			N37°47′53″ E115°35′20″		
RNAV2	054°/--- 77	633		↓	Beijing ACC
▲BEKDO			N38°15′33″ E116°14′39″		
W58					
▲嵊州 Shengzhou VOR/DME (SHZ)			N29°36.0′ E120°49.0′		

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RNAV2	061°/241° 60	1 612		↓↑	Shanghai ACC
▲栎社 Lishe NDB (BK)			N29°53.7′ E121°20.0′		
RNAV2	033°/213° 45	1 576		↓↑	Shanghai ACC
▲SAMKI			N30°15′12″ E121°33′30″		
RNAV2	033°/213° 45	1 036		↓↑	Shanghai ACC
▲ATRIP			N30°36′48″ E121°47′00″		
RNAV2	019°/199° 36	600		↓↑	Shanghai ACC
▲书院 Shuyuan VOR/DME (XSY)			N30°55.9′ E121°52.4′		
W61					
▲AMVOG			N38°25′23″ E114°43′24″		
RNAV2	109°/--- 75	1 027		↓	Beijing ACC
▲NUDKU			N38°16′07″ E115°33′21″		
RNAV2	097°/--- 60	632		↓	Beijing ACC
▲BEKDO			N38°15′33″ E116°14′39″		
W62					
▲ORODO			N36°22′27″ E114°45′01″		
RNAV2	004°/--- 45	968		↓	ORODO: Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below) KARVU: Beijing ACC
▲KARVU			N36°46′37″ E114°43′55″		
RNAV2	031°/--- 88	700		↓	Beijing ACC
▲AVLIS			N37°29′48″ E115°09′13″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	031°/--- 39	640		↓	Beijing ACC
▲IGDID			N37°48′37″ E115°20′24″		
RNAV2	360°/--- 31	649		↓	Beijing ACC
▲ALBOD			N38°05′10″ E115°18′04″		
RNAV2	360°/--- 58	689		↓	Beijing ACC
▲TEKIL			N38°36′32″ E115°13′25″		
W64					
▲磴口 Dengkou VOR/DME (DKO)			N40°18.5′ E106°57.8′		
RNAV2	090°/--- 88	2 050		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲RINBI			N40°21′30″ E108°00′00″		
RNAV2	092°/--- 168	2 011		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲OMGEL			N40°25′21″ E109°58′29″		
RNAV2	096°/--- 20	2 342		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VALNI			N40°25′17″ E110°12′43″		
RNAV2	096°/--- 92	2 662		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲RUSER			N40°24′36″ E111°17′45″		
RNAV2	096°/--- 49	2 600		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UBRAG			N40°23′59″ E111°52′18″		
RNAV2	096°/--- 2	2 600		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LAXIB			N40°23′57″ E111°53′49″		
RNAV2	096°/--- 7	2 600		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)

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▲NUTLO			N40°23′51″ E111°58′47″		
RNAV2	096°/--- 37	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UKBET			N40°22′57″ E112°24′50″		
RNAV2	091°/--- 5	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LUNSU			N40°23′10″ E112°28′21″		
RNAV2	101°/--- 52	2 623		↓	LUNSU : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) TUSLA : Beijing ACC
▲TUSLA			N40°20′53″ E113°04′49″		
RNAV2	101°/--- 12	2 608		↓	Beijing ACC
▲AKNUX			N40°20′20″ E113°13′16″		
RNAV2	101°/--- 74	2 889		↓	Beijing ACC
▲PUKOL			N40°16′34″ E114°05′09″		
RNAV2	101°/--- 120	2 941		↓	Beijing ACC
▲ELAPU			N40°12′33″ E115°30′10″		
RNAV2	090°/270° 58	2 844		↓↑	Beijing ACC
▲AVLAP			N40°16′33″ E116°10′38″		
RNAV2	090°/270° 49	2 135		↓↑	Beijing ACC
▲怀柔 Huairou VOR/DME (HUR)			N40°19.8′ E116°44.9′		
RNAV2	054°/234° 62	2 625		↓↑	Beijing ACC
▲BUMDU			N40°42′50″ E117°16′55″		

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W65					
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
RNAV2	188°/--- 103	2 566		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲ESNUK			N40°54′57″ E113°06′26″		
RNAV2	188°/--- 49	2 403		↓	ESNUK : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) SELGO : Beijing ACC
▲SELGO			N40°28′41″ E113°05′11″		
RNAV2	188°/--- 14	2 608		↓	Beijing ACC
▲TUSLA			N40°20′53″ E113°04′49″		
W66					
▲NUKTI			N41°51′42″ E095°11′58″		
RNAV2	089°/269° 86	3 289	20	↓↑	Lanzhou ACC
▲GOVSA			N41°52′16″ E096°14′32″		
RNAV2	089°/269° 398	3 023	20	↓↑	Lanzhou ACC
▲额济纳旗 Ejinaqi VOR/DME (JNQ)			N41°59.4′ E101°03.0′		
RNAV2	113°/293° 156	1 758	20	↓↑	Lanzhou ACC
▲GOBIN			N41°29′58″ E102°48′27″		
RNAV2	113°/293° 149	2 212	20	↓↑	Lanzhou ACC
▲ATBUG			N41°01′50″ E104°28′24″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	114°/294° 225	2 400	20	↓↑	ATBUG : Lanzhou ACC 磴口 Dengkou VOR/DME: Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲磴口 Dengkou VOR/DME (DKO)			N40°18.5′ E106°57.8′		
飞行高度 6 000 米至 12 500 米；往返同。 En-route altitudes 6 000m—12 500m; and vice versa.					
W67					
▲SUPAR			N30°01′23″ E120°51′29″		
RNAV2	111°/291° 19	1 575		↓↑	Shanghai ACC
▲VEXEX			N29°58′23″ E121°02′45″		
RNAV2	111°/291° 29	1 575		↓↑	Shanghai ACC
▲栎社 Lishe NDB (BK)			N29°53.7′ E121°20.0′		
RNAV2	093°/273° 37	1 575		↓↑	Shanghai ACC
▲OVNEV			N29°54′34″ E121°43′15″		
RNAV2	093°/273° 62	1 575		↓↑	Shanghai ACC
▲舟山 Zhoushan VOR/DME (HSN)			N29°55.9′ E122°21.8′		
W68					
▲TAMOT			N22°21′30″ E113°52′00″		
RNAV2	011°/--- 60	1 535		↓	Guangzhou ACC
▲IDUMA			N22°53′47″ E113°57′06″		
W69					
▲磴口 Dengkou VOR/DME (DKO)			N40°18.5′ E106°57.8′		
RNAV2	085°/--- 86	2 050		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)

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▲ATSAV			N40°25′50″ E107°58′16″		
RNAV2	086°/--- 172	2 923		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲EGILO			N40°38′48″ E109°59′02″		
RNAV2	096°/--- 40	2 835		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲DUDIL			N40°38′38″ E110°27′38″		
RNAV2	096°/--- 61	2 854		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲MOSPA			N40°38′10″ E111°11′00″		
RNAV2	096°/--- 60	2 814		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲TOREL			N40°37′27″ E111°53′25″		
RNAV2	096°/--- 3	2 573		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲BAXOD			N40°37′25″ E111°55′46″		
RNAV2	096°/--- 9	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UBSEV			N40°37′16″ E112°02′29″		
RNAV2	096°/--- 35	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲URDOG			N40°36′41″ E112°27′27″		
RNAV2	096°/--- 3	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UXODI			N40°36′38″ E112°29′25″		
RNAV2	101°/--- 20	2 904		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LUGVU			N40°35′49″ E112°43′50″		

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RNAV2	101°/--- 6	2 698		↓	LUGVU : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) UPSUR : Beijing ACC
▲UPSUR			N40°35′26″ E112°48′09″		
RNAV2	101°/--- 101	2 889		↓	Beijing ACC
▲BIKUT			N40°30′25″ E113°59′32″		
RNAV2	101°/--- 130	2 889		↓	Beijing ACC
▲GUVBA			N40°26′00″ E115°31′50″		
RNAV2	101°/281° 104	2 783		↓↑	Beijing ACC
▲怀柔 Huairou VOR/DME (HUR)			N40°19.8′ E116°44.9′		
磴口 VOR-GUVBA 段 7800 米（含）以下可双向使用. Two way available between Dengkou VOR ‘DKO’ and GUVBA at 7 800m or below.					
W70					
▲南康 Nankang VOR/DME (BHY)			N21°35.2′ E109°25.9′		
RNAV2	185°/005° 78	866		↓↑	Sanya ACC(Above 8900m) Nanning ACC(8900m or below)
▲PEGDU			N20°53′00″ E109°23′00″		
RNAV2	142°/322° 55	822		↓↑	Sanya ACC(Above 8900m) Nanning ACC(8900m or below)
▲LIDLU			N20°30′00″ E109°43′00″		
RNAV2	142°/322° 70	822		↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲南盈滨岛 Nanyingbindao VOR/DME (NYB)			N20°00.9′ E110°08.2′		
W71					
▲AGPOR			N20°18′09″ E110°13′48″		

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RNAV2	018°/198° 23	870		↓↑	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲AGTEL			N20°30′00″ E110°17′36″		
RNAV2	006°/186° 71	848		↓↑	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲湖光 Huguang NDB (LH)			N21°08.1′ E110°20.0′		
W72					
▲VIKON			N39°31′59″ E108°19′57″		
RNAV2	059°/--- 172	2 205		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲OMGEL			N40°25′21″ E109°58′29″		
RNAV2	064°/--- 48	2 835		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲DUDIL			N40°38′38″ E110°27′38″		
W73					
▲NOBEM			N31°59′25″ E118°48′31″		
RNAV2	251°/071° 15	1 068		↓↑	Shanghai ACC
▲MABOS			N31°55′59″ E118°39′34″		
RNAV2	251°/071° 37	1 068		↓↑	Shanghai ACC
▲VEMEX			N31°47′42″ E118°18′04″		
RNAV2	251°/071° 20	1 020		↓↑	Shanghai ACC
▲MADUK			N31°43′05″ E118°06′16″		
W80					
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
RNAV2	280°/100° 103	1 058		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ESKAM			N30°32′34″ E114°11′52″		

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RNAV2	280°/100° 5	1 100		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UDUMI			N30°32′51″ E114°08′50″		
RNAV2	280°/100° 8	1 100		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OSREK			N30°33′18″ E114°04′10″		
RNAV2	280°/100° 4	1 100		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UBTAG			N30°33′33″ E114°01′37″		
RNAV2	280°/100° 19	1 058		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDGAG			N30°34′38″ E113°49′57″		
RNAV2	272°/--- 65	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲MEGOB			N30°33′03″ E113°09′05″		
RNAV2	271°/--- 25	788		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TIKME			N30°32′24″ E112°53′37″		
RNAV2	271°/--- 114	854		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UPGUR			N30°29′01″ E111°42′26″		
RNAV2	270°/--- 21	1 157		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲KAKSU			N30°28′18″ E111°29′07″		
RNAV2	265°/--- 12	1 695		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ATSUD			N30°27′15″ E111°21′26″		
RNAV2	264°/--- 151	2 878		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲POVUN			N30°13′50″ E109°48′32″		

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RNAV2	263°/--- 20	2 630		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DELEG			N30°11′58″ E109°36′14″		
RNAV2	256°/--- 17	2 630		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUKEX			N30°09′13″ E109°25′51″		
RNAV2	256°/--- 22	2 441		↓	GUKEX : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) MUGNU : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲MUGNU			N30°05′44″ E109°12′47″		
RNAV2	256°/--- 25	2 441		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲TEPOT			N30°01′45″ E108°58′01″		
RNAV2	256°/--- 25	2 487		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲SUDPI			N29°57′51″ E108°43′13″		
RNAV2	256°/--- 29	2 487		↓	Chengdu ACC
▲VABKU			N29°53′17″ E108°26′01″		
RNAV2	256°/--- 88	2 634		↓	Chengdu ACC
▲OPAMU			N29°39′06″ E107°33′39″		
RNAV2	289°/--- 19	2 634		↓	Chengdu ACC
▲涪陵 Fuling VOR/DME (FLG)			N29°42.0′ E107°22.7′		
RNAV2	286°/--- 18	2 157		↓	Chengdu ACC
▲OLKOB			N29°44′16″ E107°11′34″		

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RNAV2	320°/--- 50	2 196		↓	Chengdu ACC
▲PUDUG			N30°04′03″ E106°50′51″		
RNAV2	320°/--- 6	2 305		↓	Chengdu ACC
▲UGOPO			N30°06′22″ E106°48′25″		
RNAV2	320°/--- 71	2 305		↓	Chengdu ACC
▲PINAB			N30°34′45″ E106°18′19″		
RNAV2	320°/--- 3	1 424		↓	Chengdu ACC
▲URGEG			N30°35′56″ E106°17′03″		
RNAV2	265°/--- 54	1 424		↓	Chengdu ACC
▲ESMOL			N30°32′29″ E105°43′41″		
RNAV2	265°/--- 15	1 186		↓	Chengdu ACC
▲BEVNU			N30°31′29″ E105°34′17″		
RNAV2	265°/--- 25	1 186		↓	Chengdu ACC
▲AKOPI			N30°29′49″ E105°18′47″		
RNAV2	280°/--- 57	1 173		↓	Chengdu ACC
▲BUVUR			N30°33′51″ E104°43′18″		
RNAV2	284°/--- 23	1 659		↓	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
W81					
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
RNAV2	063°/--- 102	1 659		↓	Chengdu ACC

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▲SAGPI			N31°03′17″ E105°25′07″		
RNAV2	063°/--- 70	1 248		↓	Chengdu ACC
▲TOREG			N31°21′30″ E106°03′48″		
RNAV2	049°/--- 14	1 378		↓	Chengdu ACC
▲ATNIK			N31°26′50″ E106°10′25″		
RNAV2	049°/--- 29	1 448		↓	Chengdu ACC
▲LOSTA			N31°37′27″ E106°23′45″		
RNAV2	049°/--- 72	2 100		↓	Chengdu ACC
▲MAKVI			N32°04′04″ E106°56′58″		
RNAV2	049°/--- 31	2 568		↓	Chengdu ACC
▲AGULU			N32°15′43″ E107°11′31″		
RNAV2	049°/--- 60	3 085		↓	Xi'an ACC
▲IGNOL			N32°37′44″ E107°39′13″		
RNAV2	042°/--- 99	3 223		↓	Xi'an ACC
▲宁陕 Ningshan VOR/DME (NSH)			N33°19.1′ E108°18.7′		
W82					
▲GOSMA			N29°21′14″ E113°14′30″		
RNAV2	032°/--- 74	1 315		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UPMAT			N29°56′42″ E113°35′44″		
W83					
▲OLMIB			N29°52′17″ E113°47′05″		
RNAV2	226°/--- 78	1 598		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)

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▲GOSMA			N29°21′14″ E113°14′30″		
W84					
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		
RNAV2	189°/--- 11	2 491		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲TOREL			N40°37′27″ E111°53′25″		
RNAV2	189°/--- 25	2 600		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UBRAG			N40°23′59″ E111°52′18″		
RNAV2	189°/--- 46	2 600		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IBARO			N39°59′21″ E111°50′18″		
W85					
▲TEKIL			N38°36′32″ E115°13′25″		
RNAV2	113°/--- 43	689		↓	Beijing ACC
▲GUVRI			N38°29′52″ E115°42′00″		
RNAV2	069°/--- 38	626		↓	Beijing ACC
▲OMDEK			N38°39′18″ E116°05′27″		
W86					
▲RURNU			N41°56′25″ E112°38′46″		
RNAV2	110°/290° 43	2 360		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
RNAV2	092°/272° 249	2 399		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲POKOR			N42°02′36″ E116°08′52″		
RNAV2	092°/272° 92	2 398		↓↑	Beijing ACC Hohhot ACC(7800m or below)

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▲URGOM			N42°07′15″ E117°15′27″		
RNAV2	092°/272° 82	2 390		↓↑	URGOM : Beijing ACC Hohhot ACC(7800m or below) KAKAT : Shenyang ACC
▲KAKAT			N42°11′00″ E118°15′18″		
W87					
▲GODON			N37°46′27″ E112°21′06″		
RNAV2	102°/282° 24	2 466		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲太原 Taiyuan VOR/DME (TYN)			N37°44.9′ E112°37.2′		
RNAV2	102°/282° 25	2 322		↓↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲PARTU			N37°43′13″ E112°54′13″		
W89					
▲NUBKI			N41°58′50″ E124°35′54″		
RNAV2	255°/075° 9	1 599		↓↑	Shenyang ACC
▲IVPUV			N41°56′50″ E124°29′43″		
RNAV2	255°/075° 35	1 640		↓↑	Shenyang ACC
▲EKVOK			N41°49′24″ E124°06′36″		
RNAV2	255°/075° 33	1 334		↓↑	Shenyang ACC
▲王滨沟 Wangbingou NDB (KY)			N41°42.3′ E123°44.8′		
RNAV2	248°/068° 44	1 120		↓↑	Shenyang ACC
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
W90					
▲NOLON			N24°06′30″ E113°56′47″		

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RNAV2	224°/044° 86	1 845		↓↑	Guangzhou ACC
▲TEPID			N23°32′06″ E113°23′06″		
RNAV2	201°/021° 60	1 181		↓↑	Guangzhou ACC
▲平洲 Pingzhou VOR/DME (POU)			N23°01.3′ E113°11.4′		
W91					
▲BONSA			N28°14′25″ E106°56′47″		
RNAV2	251°/071° 26	2 419		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲APUKI			N28°09′33″ E106°42′10″		
RNAV2	251°/071° 60	2 624		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲MAVRA			N27°58′11″ E106°07′52″		
RNAV2	251°/071° 54	2 419		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲SAMIV			N27°47′55″ E105°36′51″		
RNAV2	251°/071° 53	2 925		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲IDSID			N27°37′47″ E105°06′40″		
W93					
▲静宁 Jingning VOR/DME (JIG)			N35°31.9′ E105°43.4′		
	083°/263° 66	3 542		↓↑	Lanzhou ACC
▲ESGIG			N35°37′55″ E106°26′14″		
	083°/263° 57	3 487		↓↑	Lanzhou ACC
▲URKIB			N35°43′24″ E107°03′44″		

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	083°/263° 49	2 216		↓↑	URKIB : Lanzhou ACC 庆阳 Qingyang VOR/DME: Xi'an ACC
▲庆阳 Qingyang VOR/DME (QIY)			N35°47.8′ E107°35.9′		
W94					
▲长武 Changwu NDB (HO)			N35°12.6′ E107°46.1′		
RNAV2	350°/170° 34	2 133		↓↑	Xi'an ACC
▲ADNEN			N35°30′25″ E107°41′14″		
RNAV2	350°/170° 33	2 133		↓↑	Xi'an ACC
▲庆阳 Qingyang VOR/DME (QIY)			N35°47.8′ E107°35.9′		
W95					
▲半塔集 Bantaji NDB (OF)			N32°40.4′ E118°34.7′		
RNAV2	170°/350° 45	1 027		↓↑	Shanghai ACC
▲VEGDA			N32°17′12″ E118°42′34″		
RNAV2	170°/350° 34	1 068		↓↑	Shanghai ACC
▲NOBEM			N31°59′25″ E118°48′31″		
RNAV2	170°/350° 17	1 068		↓↑	Shanghai ACC
▲秣陵 Moling VOR/DME (MLJ)			N31°50.7′ E118°51.3′		
RNAV2	169°/349° 10	1 078		↓↑	Shanghai ACC
▲禄口 Lukou VOR/DME (NJL)			N31°45.3′ E118°53.2′		
RNAV2	145°/325° 11	1 078		↓↑	Shanghai ACC
▲石湫 Shiqiu VOR/DME (SNQ)			N31°40.8′ E118°58.1′		

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RNAV2	149°/329° 3	1 078		↓↑	Shanghai ACC
▲UPLEL			N31°39′15″ E118°59′19″		
RNAV2	149°/329° 12	1 078		↓↑	Shanghai ACC
▲SAPIN			N31°33′55″ E119°04′00″		
W96					
▲VIGEK			N40°02′54″ E114°08′38″		
RNAV2	304°/--- 14	2 976		↓	Beijing ACC
▲ANOLO			N40°06′30″ E114°00′00″		
RNAV2	304°/--- 34	3 020		↓	Beijing ACC
▲MEGUS			N40°15′06″ E113°38′44″		
RNAV2	304°/--- 54	3 020		↓	Beijing ACC
▲SELGO			N40°28′41″ E113°05′11″		
RNAV2	304°/--- 27	2 668		↓	Beijing ACC
▲UPSUR			N40°35′26″ E112°48′09″		
W97					
▲MUGLO			N39°04′13″ E118°02′04″		
RNAV2	145°/--- 44	840		↓	Beijing ACC
▲ENVAV			N38°46′33″ E118°22′40″		
W98					
▲SOTMU			N39°47′58″ E116°51′16″		
RNAV2	194°/014° 130	730		↓↑	Beijing ACC
▲ELKUR			N38°38′23″ E116°39′54″		

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W99					
▲陶家宫 Taojiagong VOR/DME (HAM)			N42°50.6′ E093°40.1′		
RNAV2	290°/110° 94	2 396		↓↑	Urumqi ACC
△IDLAL			N43°08′54″ E092°35′07″		
RNAV2	290°/110° 53	3 900		↓↑	Urumqi ACC
△ODURI			N43°18′47″ E091°58′43″		
RNAV2	290°/110° 39	3 482		↓↑	Urumqi ACC
△IDOPU			N43°26′23″ E091°31′46″		
RNAV2	290°/110° 78	3 807		↓↑	Urumqi ACC
△DUDUR			N43°42′02″ E090°37′52″		
RNAV2	290°/110° 88	3 860		↓↑	Urumqi ACC
▲奇台 Qitai VOR/DME (QTV)			N43°59.3′ E089°36.7′		
RNAV2	277°/097° 62	4 300		↓↑	Urumqi ACC
△AGOXA			N44°04′31″ E088°50′42″		
RNAV2	276°/096° 70	4 300		↓↑	Urumqi ACC
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
W100					
▲VAPGU			N38°46′23″ E119°49′44″		
RNAV2	110°/290° 10	600		↓↑	Beijing ACC
▲MUDOT			N38°45′13″ E119°56′49″		
RNAV2	110°/290° 23	600		↓↑	Dalian ACC
▲ORAVA			N38°42′36″ E120°12′21″		

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W101					
▲ALGOV			N40°11′55″ E109°57′55″		
RNAV2	045°/--- 32	2 341		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VALNI			N40°25′17″ E110°12′43″		
RNAV2	045°/--- 32	2 835		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲DUDIL			N40°38′38″ E110°27′38″		
W102					
▲商县 Shangxian VOR/DME (SHX)			N33°52.6′ E109°56.1′		
RNAV2	188°/008° 185	2 674	20	↓↑	Xi'an ACC
▲EMVIL			N32°13′05″ E109°46′39″		
RNAV2	188°/008° 204	3 364	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ENSOX			N30°23′22″ E109°36′32″		
RNAV2	188°/008° 11	2 581	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲恩施 Enshi VOR/DME (ENH)			N30°17.5′ E109°36.1′		
RNAV2	181°/001° 10	2 630	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DELEG			N30°11′58″ E109°36′14″		
RNAV2	181°/001° 77	2 630	20	↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲DAKOR			N29°30′30″ E109°37′48″		
RNAV2	181°/001° 95	2 418	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲BODUV			N28°39′10″ E109°39′45″		
RNAV2	181°/001° 69	1 828	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲MAKLA			N28°02′07″ E109°41′08″		

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RNAV2	181°/001° 65	2 100	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲芷江 Zhijiang VOR/DME (ZHJ)			N27°27.0′ E109°42.5′		
RNAV2	185°/005° 120	2 100	20	↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲BIGVI			N26°22′23″ E109°38′37″		
RNAV2	185°/005° 67	2 000	20	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲三江 Sanjiang VOR/DME (SJG)			N25°46.6′ E109°36.6′		
W103					
▲MUMUN			N36°47′35″ E116°00′00″		
RNAV2	093°/273° 109	900		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
RNAV2	103°/283° 90	1 455		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OKALI			N36°44′03″ E118°13′00″		
RNAV2	103°/283° 81	1 455		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲潍坊 Weifang VOR/DME (WFG)			N36°38.8′ E119°07.2′		
RNAV2	120°/300° 56	866		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲高密 Gaomi NDB (YO)			N36°26.3′ E119°41.3′		
RNAV2	122°/302° 18	715		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OVLEM			N36°22′12″ E119°52′31″		
RNAV2	122°/302° 10	767		↓↑	OVLEM : Beijing ACC(Above 7800m) Jinan ACC(7800m or below) Jiaobei VOR/DME: Qingdao ACC

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▲胶北 Jiaobei VOR/DME (JDW)			N36°19.8′ E119°58.6′		
RNAV2	108°/288° 25	1 201		↓↑	Qingdao ACC
▲上马 Shangma VOR/DME (JDE)			N36°17.4′ E120°15.2′		
RNAV2	098°/278° 10	1 620		↓↑	Qingdao ACC
▲青岛 Qingdao VOR/DME (TAO)			N36°17.3′ E120°22.2′		
W104					
▲鄂尔多斯 Ordos VOR/DME (HDS)			N39°29.4′ E109°51.7′		
RNAV2	147°/327° 42	2 177		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VEXEB			N39°11′37″ E110°09′40″		
RNAV2	147°/327° 34	2 047		↓↑	VEXEB : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below) OMDIS : Xi'an ACC
▲OMDIS			N38°57′06″ E110°24′20″		
RNAV2	147°/327° 154	3 430		↓↑	Xi'an ACC
▲LEBOM			N37°51′30″ E111°30′00″		
W105					
▲昌北 Changbei VOR/DME (NCH)			N28°53.1′ E115°54.7′		
RNAV2	346°/166° 25	1 525		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲EMRAL			N29°06′00″ E115°50′00″		
RNAV2	346°/166° 27	1 525		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PEXEK			N29°20′00″ E115°45′06″		
RNAV2	343°/163° 31	2 074		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)

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▲LAPEN			N29°35′47″ E115°38′12″		
RNAV2	343°/163° 23	2 074		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲TULMU			N29°47′28″ E115°33′05″		
RNAV2	343°/163° 77	1 521		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
W106					
▲MAKNO			N38°27′48″ E121°08′54″		
RNAV2	081°/261° 91	755		↓↑	Dalian ACC
▲UDETI			N38°41′30″ E122°09′36″		
W107					
▲长海 Changhai VOR/DME (CHI)			N39°16.0′ E122°37.0′		
RNAV2	195°/015° 114	851		↓↑	Dalian ACC
▲SANKO			N38°15′00″ E122°27′12″		
W108					
▲LATUX			N35°29′00″ E120°47′00″		
RNAV2	164°/344° 39	600		↓↑	Qingdao ACC
▲IGPOX			N35°09′17″ E120°56′45″		
RNAV2	164°/344° 172	600		↓↑	IGPOX : Qingdao ACC SOSMA : Shanghai ACC
▲SOSMA			N33°43′05″ E121°38′52″		
RNAV2	164°/344° 20	600		↓↑	Shanghai ACC
△RUMIB			N33°33′04″ E121°43′46″		

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RNAV2	164°/344° 227	600		↓↑	Shanghai ACC
▲MATNU			N31°39′36″ E122°38′00″		
RNAV2	164°/344° 36	600		↓↑	Shanghai ACC
▲DUMET			N31°21′39″ E122°46′30″		
W109					
▲南通 Nantong VOR/DME (NTG)			N32°05.8′ E120°58.7′		
RNAV2	294°/114° 24	707		↓↑	Shanghai ACC
▲PIKAS			N32°10′00″ E120°44′00″		
W111					
▲西宁 Xining VOR/DME (XNN)			N36°31.6′ E102°01.8′		
RNAV2	100°/280° 75	4 704		↓↑	Lanzhou ACC
▲UPVOP			N36°25′50″ E102°51′26″		
RNAV2	100°/280° 115	4 100		↓↑	Lanzhou ACC
▲XIXAN			N36°16′46″ E104°07′29″		
W112					
▲BILDA			N39°45′13″ E097°32′35″		
RNAV2	261°/081° 22	5 178		↓↑	Lanzhou ACC
▲IKAGA			N39°43′10″ E097°17′07″		
RNAV2	261°/081° 58	6 015		↓↑	Lanzhou ACC
▲TODOD			N39°37′51″ E096°37′22″		
RNAV2	261°/081° 45	6 015		↓↑	Lanzhou ACC
▲VIKUP			N39°33′49″ E096°06′13″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	260°/080° 331	6 357		↓↑	Lanzhou ACC
▲TUSLI			N39°05′00″ E092°18′00″		
RNP4	260°/080° 119	6 398		↓↑	Lanzhou ACC
▲ADMUX			N38°52′33″ E090°57′01″		
RNP4	260°/080° 53	5 390		↓↑	Urumqi ACC
△SUNPU			N38°47′55″ E090°20′31″		
RNP4	260°/080° 144	5 180		↓↑	Urumqi ACC
▲NOLEP			N38°34′30″ E088°42′30″		
RNP4	260°/080° 287	4 692		↓↑	Urumqi ACC
▲玉都 Yudu VOR/DME (DJQ)			N38°13.0′ E085°26.6′		
RNP4	245°/065° 56	2 017		↓↑	Urumqi ACC
▲TEPUT			N38°00′56″ E084°51′46″		
RNP4	254°/074° 135	2 013		↓↑	Urumqi ACC
△VIDUT			N37°44′48″ E083°22′02″		
RNP4	254°/074° 319	3 365		↓↑	Urumqi ACC
▲和田 Hotan VOR/DME (HTN)			N37°02.2′ E079°52.1′		
RNP4	266°/086° 396	6 759		↓↑	Urumqi ACC
▲PURPA 中巴国境点			N36°56′30″ E075°24′30″		
W113					
▲盐城 Yancheng VOR/DME (YCH)			N33°25.3′ E120°12.3′		
RNAV2	082°/262° 115	660		↓↑	Shanghai ACC

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▲GORPI			N33°40′07″ E121°24′22″		
RNAV2	082°/262° 23	600		↓↑	Shanghai ACC
▲SOSMA			N33°43′05″ E121°38′52″		
RNAV2	082°/262° 20	600		↓↑	Shanghai ACC
△AKBEP			N33°45′44″ E121°51′25″		
RNAV2	082°/262° 154	600		↓↑	Shanghai ACC
▲IKADI			N34°05′30″ E123°29′00″		
W114					
▲DUMET			N31°21′39″ E122°46′30″		
RNAV2	225°/045° 52	600		↓↑	Shanghai ACC
▲LASAN			N31°00′00″ E122°25′28″		
W115					
▲PINOT			N31°27′00″ E122°27′00″		
RNAV2	042°/222° 29	600		↓↑	Shanghai ACC
▲MATNU			N31°39′36″ E122°38′00″		
W116					
▲南翔 Nanxiang NDB (PK)			N31°17.0′ E121°19.8′		
RNAV2	182°/002° 18	1 232		↓↑	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
W117					
▲东山 Dongshan VOR/DME (DST)			N27°45.0′ E120°37.8′		
RNAV2	081°/261° 122	1 348		↓↑	Shanghai ACC
▲BEGMO			N28°00′00″ E121°50′00″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W118					
▲南阳 Nanyang NDB (ML)			N32°55.0′ E112°33.0′		
RNAV2	126°/306° 120	1 655		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲REVKU			N32°21′12″ E113°38′18″		
RNAV2	137°/317° 90	1 497		↓↑	REVKU : Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below) BENBI : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲BENBI			N31°48′57″ E114°20′43″		
W119					
▲KABDO			N43°32′36″ E086°42′58″		
RNP4	275°/095° 18	4 954		↓↑	Urumqi ACC
△BIVEX			N43°34′08″ E086°29′33″		
RNP4	275°/095° 33	5 725		↓↑	Urumqi ACC
△NIXER			N43°36′44″ E086°04′56″		
RNP4	275°/095° 20	5 725		↓↑	Urumqi ACC
△MENOD			N43°38′18″ E085°50′30″		
RNP4	272°/092° 60	5 800		↓↑	Urumqi ACC
△OGEDI			N43°41′42″ E085°06′22″		
RNP4	232°/--- 71	5 800		↓	Urumqi ACC
△GOBOK			N43°20′45″ E084°21′53″		
RNP4	232°/--- 213	5 386		↓	Urumqi ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
△EXURU			N42°16′26″ E082°11′57″		
RNP4	232°/--- 122	5 386		↓	Urumqi ACC
△LIMDO			N41°38′33″ E080°59′36″		
RNP4	230°/--- 73	4 180		↓	Urumqi ACC
▲阿克苏 Aksu VOR/DME (AKS)			N41°15.7′ E080°17.1′		
RNP4	181°/001° 127	2 206		↓↑	Urumqi ACC
△LESVI			N40°07′14″ E080°10′17″		
W121					
▲东山 Dongshan VOR/DME (DST)			N27°45.0′ E120°37.8′		
RNAV2	163°/343° 119	1 285		↓↑	东山 Dongshan VOR/DME: Shanghai ACC NUDPO : Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲NUDPO			N26°45′00″ E121°04′15″		
W122					
▲AVMAM			N25°56′33″ E119°39′53″		
RNAV2	121°/301° 82	1 246		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲PONEN			N25°37′30″ E120°24′00″		
W123					
▲杏林 Xinglin VOR/DME (XLN)			N24°33.9′ E118°00.9′		
RNAV2	184°/004° 27	1 509		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ALADU			N24°19′17″ E118°00′40″		
RNAV2	142°/322° 67	1 136		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲APAKA			N23°51′50″ E118°26′40″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W125					
▲徐州 Xuzhou VOR/DME (XUZ)			N34°03.6′ E117°33.0′		
RNAV2	091°/271° 24	828		↓↑	Shanghai ACC
▲姚集 Yaoji NDB (DO)			N34°04.5′ E117°48.7′		
RNAV2	111°/291° 27	805		↓↑	Shanghai ACC
▲MEXUP			N34°00′37″ E118°05′45″		
RNAV2	111°/291° 16	805		↓↑	Shanghai ACC
▲OMUDI			N33°58′14″ E118°16′00″		
W126					
▲姚集 Yaoji NDB (DO)			N34°04.5′ E117°48.7′		
RNAV2	043°/223° 28	805		↓↑	Shanghai ACC
▲邳县 Pixian VOR/DME (DPX)			N34°16.7′ E117°59.9′		
W127					
▲徐州 Xuzhou VOR/DME (XUZ)			N34°03.6′ E117°33.0′		
RNAV2	254°/074° 34	962		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲ATVIM			N33°56′54″ E117°12′18″		
RNAV2	183°/003° 137	992		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲KAGVO			N32°42′46″ E117°15′31″		
RNAV2	183°/003° 20	992		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲SEGPI			N32°32′00″ E117°16′00″		
RNAV2	183°/003° 52	906		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲AKNAX			N32°03′44″ E117°17′15″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	183°/003° 9	986		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲AVLOG			N31°59′00″ E117°17′27″		
RNAV2	183°/003° 23	992		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
W128					
▲阜阳 Fuyang VOR/DME (FYG)			N32°53.0′ E115°44.0′		
RNAV2	296°/116° 29	779		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲EPGOS			N32°58′31″ E115°26′28″		
RNAV2	296°/116° 72	648		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DUDBI			N33°12′21″ E114°42′56″		
RNAV2	296°/116° 26	700		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲IGMIG			N33°17′14″ E114°27′15″		
RNAV2	296°/116° 25	700		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲KAMDA			N33°21′57″ E114°12′13″		
RNAV2	---/163° 40	700		↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲MILOM			N33°42′03″ E114°02′42″		
RNAV2	---/163° 58	970		↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲SUKTO			N34°11′05″ E113°48′52″		
W129					
▲新郑 Xinzheng VOR/DME (CGO)			N34°31.1′ E113°50.6′		
RNAV2	170°/350° 132	931		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲KAMDA			N33°21′57″ E114°12′13″		

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RNAV2	170°/350° 119	829		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OBLIK			N32°19′48″ E114°31′30″		
W130					
▲高栏 Gaolan NDB (UJ)			N21°55.2′ E113°17.6′		
RNAV2	219°/039° 43	1 018		↓↑	Guangzhou ACC
▲LANDA			N21°36′47″ E113°02′43″		
W131					
▲南浔 Nanxun VOR/DME (NXD)			N30°53.8′ E120°25.8′		
RNAV2	221°/--- 63	1 187		↓	Shanghai ACC
▲AKDIM			N30°26′10″ E120°03′08″		
W132					
▲SAGNU			N30°03′00″ E119°47′44″		
RNAV2	238°/058° 3	1 390		↓↑	Shanghai ACC
▲GUMAL			N30°02′07″ E119°46′25″		
RNAV2	240°/060° 73	1 776		↓↑	Shanghai ACC
▲OREXA			N29°39′20″ E119°09′32″		
RNAV2	239°/059° 21	1 942		↓↑	Shanghai ACC
▲MOMGO			N29°32′38″ E118°58′49″		
RNAV2	239°/059° 8	1 883		↓↑	MOMGO : Shanghai ACC ISNIR : Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲ISNIR			N29°30′01″ E118°54′37″		
W133					

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▲DUBGO			N29°51′19″ E119°39′53″		
RNAV2	240°/--- 41	1 847		↓	Shanghai ACC(Above 6000m)
▲ABVIL			N29°38′30″ E119°18′54″		
W134					
▲DUBGO			N29°51′19″ E119°39′53″		
RNAV2	219°/039° 30	1 847		↓↑	Shanghai ACC(Above 6000m)
▲ELNEX			N29°37′54″ E119°29′24″		
W135					
▲NOBEM			N31°59′25″ E118°48′31″		
RNAV2	148°/328° 24	1 068		↓↑	Shanghai ACC
▲DOGVI			N31°49′14″ E118°57′50″		
RNAV2	145°/325° 21	1 011		↓↑	Shanghai ACC
▲OBLAP			N31°40′48″ E119°06′28″		
RNAV2	145°/325° 5	1 011		↓↑	Shanghai ACC
▲LUPVI			N31°38′42″ E119°08′38″		
RNAV2	149°/329° 12	1 011		↓↑	Shanghai ACC
▲GOSRO			N31°33′24″ E119°13′20″		
RNAV2	149°/329° 3	1 011		↓↑	Shanghai ACC
▲UPKEK			N31°32′05″ E119°14′29″		
RNAV2	149°/329° 45	1 140		↓↑	Shanghai ACC
▲TAPEN			N31°12′25″ E119°31′37″		
RNAV2	149°/329° 62	1 300		↓↑	Shanghai ACC

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▲NIVIK			N30°45′42″ E119°54′39″		
RNAV2	---/329° 38	1 300		↑	Shanghai ACC
▲KAKIS			N30°29′00″ E120°08′48″		
RNAV2	---/329° 19	1 067		↑	Shanghai ACC
▲ADBAS			N30°20′36″ E120°16′02″		
RNAV2	---/040° 100	1 847		↑	Shanghai ACC
▲UPVOM			N29°35′57″ E119°41′14″		
RNAV2	---/040° 7	1 847		↑	Shanghai ACC
▲EMRID			N29°32′56″ E119°38′55″		
RNAV2	252°/072° 11	1 799		↓↑	Shanghai ACC
▲EGEKI			N29°30′30″ E119°32′25″		
RNAV2	252°/072° 42	1 880		↓↑	EGEKI : Shanghai ACC(Above 6000m) TUPGA : Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲TUPGA			N29°21′32″ E119°08′35″		
W136					
▲黔西 Qianxi VOR/DME (QNX)			N27°02.5′ E106°01.8′		
RNAV2	260°/--- 117	3 507		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲URGIX			N26°49′05″ E104°52′27″		

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RNAV2	260°/--- 27	3 507		↓	URGIX : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) SARPO : Kunming ACC
▲SARPO			N26°45′57″ E104°36′48″		
RNAV2	221°/--- 113	3 507		↓	Kunming ACC
▲XISLI			N25°58′29″ E103°53′57″		
W137					
▲马龙 Malong VOR/DME (DJT)			N25°31.9′ E103°36.3′		
RNAV2	059°/239° 55	3 106		↓↑	Kunming ACC
▲NODIB			N25°47′50″ E104°03′47″		
RNAV2	059°/239° 47	3 400		↓↑	Kunming ACC
▲IGDAS			N26°01′37″ E104°27′18″		
RNAV2	041°/221° 90	3 400		↓↑	IGDAS : Kunming ACC 六盘水 Liupanshui VOR/DME: Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲六盘水 Liupanshui VOR/DME (LPS)			N26°38.6′ E105°01.8′		
W138					
▲张家界 Zhangjiajie VOR/DME (DYG)			N29°05.6′ E110°24.3′		
RNAV2	126°/306° 89	2 129		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲DOPNI			N28°39′33″ E111°10′19″		
RNAV2	126°/306° 47	1 670		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲XOPEK			N28°25′48″ E111°34′35″		

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RNAV2	126°/306° 46	1 956		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△BIVAV			N28°12′24″ E111°58′01″		
RNAV2	126°/306° 13	1 956		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△PEDMU			N28°08′25″ E112°04′55″		
RNAV2	126°/306° 15	1 779		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲老粮仓 Laoliangcang VOR/DME (LLC)			N28°04.1′ E112°12.5′		
RNAV2	126°/306° 16	1 338		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△RUKLI			N27°59′12″ E112°20′53″		
W139					
▲张家界 Zhangjiajie VOR/DME (DYG)			N29°05.6′ E110°24.3′		
RNAV2	333°/153° 51	2 118		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲IGPAR			N29°29′24″ E110°08′28″		
RNAV2	333°/153° 103	2 615		↓↑	IGPAR : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) 恩施 Enshi VOR/DME: Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲恩施 Enshi VOR/DME (ENH)			N30°17.5′ E109°36.1′		
W140					
▲花垣 Huayuan VOR/DME (HUY)			N28°34.8′ E109°27.0′		
RNAV2	061°/241° 109	2 118		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲张家界 Zhangjiajie VOR/DME (DYG)			N29°05.6′ E110°24.3′		
W141					
▲张家界 Zhangjiajie VOR/DME (DYG)			N29°05.6′ E110°24.3′		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	080°/260° 117	2 118		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲KALMU			N29°20′27″ E111°34′47″		
RNAV2	080°/260° 7	1 204		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲临澧 Linli VOR/DME (LIN)			N29°21.2′ E111°38.9′		
参阅张家界/荷花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHANGJIAJIE/Hehua airport.					
W142					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
RNAV2	186°/006° 46	2 184		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲DALIM			N36°25′04″ E117°12′47″		
W143					
▲ATOLO			N24°47′24″ E103°02′00″		
RNAV2	037°/--- 101	3 401		↓	Kunming ACC
▲马龙 Malong VOR/DME (DJT)			N25°31.9′ E103°36.3′		
参阅昆明/长水机场标准仪表离场程序。 Refer SID of KUNMING/Changshui airport.					
W144					
▲西山 Xishan VOR/DME (SGM)			N25°04.9′ E102°31.2′		
RNAV2	027°/--- 176	4 945		↓	Kunming ACC
▲DADOL			N26°30′03″ E103°17′39″		
RNAV2	029°/--- 102	4 100		↓	Kunming ACC
▲昭通 Zhaotong VOR/DME (ZAT)			N27°19.4′ E103°45.3′		
RNAV2	027°/--- 17	3 843		↓	Kunming ACC
▲OTBIM			N27°27′36″ E103°49′32″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	027°/--- 35	3 843		↓	OTBIM : Kunming ACC ATPAV : Chengdu ACC
▲ATPAV			N27°44′29″ E103°58′23″		
RNAV2	027°/--- 78	3 798		↓	Chengdu ACC
▲VEDPO			N28°22′46″ E104°18′39″		
RNAV2	359°/--- 34	2 558		↓	Chengdu ACC
▲KAKMI			N28°41′04″ E104°17′39″		
RNAV2	359°/--- 65	2 558		↓	Chengdu ACC
▲IGNAK			N29°16′19″ E104°15′43″		
W145					
▲昭通 Zhaotong VOR/DME (ZAT)			N27°19.4′ E103°45.3′		
RNAV2	077°/257° 83	3 843		↓↑	Kunming ACC
▲KABNO			N27°30′32″ E104°34′12″		
RNAV2	077°/257° 55	3 250		↓↑	Kunming ACC
▲IDSID			N27°37′47″ E105°06′40″		
W146					
▲BUBSU			N24°59′35″ E100°14′10″		
RNP4	108°/288° 140	3 587		↓↑	Kunming ACC
▲GULOT			N24°37′24″ E101°33′51″		
RNP4	088°/268° 102	3 420		↓↑	Kunming ACC
▲IDPUG			N24°40′08″ E102°34′06″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	088°/268° 24	3 420		↓↑	Kunming ACC
▲晋宁 Jinning VOR/DME (XSJ)			N24°41.0′ E102°48.0′		
W147					
▲ELASU			N23°59′13″ E101°47′22″		
	047°/--- 109	3 240		↓	Kunming ACC
▲IDPUG			N24°40′08″ E102°34′06″		
W148					
▲泸西 Luxi VOR/DME (LXI)			N24°32.5′ E103°44.6′		
	272°/092° 56	3 201		↓↑	Kunming ACC
▲IGRID			N24°33′10″ E103°11′08″		
	291°/111° 41	3 420		↓↑	Kunming ACC
▲晋宁 Jinning VOR/DME (XSJ)			N24°41.0′ E102°48.0′		
W149					
▲盘龙 Panlong VOR/DME (XFA)			N25°24.1′ E102°56.0′		
	017°/--- 127	4 950		↓	Kunming ACC
▲DADOL			N26°30′03″ E103°17′39″		
参阅昆明/长水机场标准仪表离场程序。 Refer SID of KUNMING/Changshui airport .					
W150					
▲ATOLO			N24°47′24″ E103°02′00″		
	112°/--- 77	3 420		↓	Kunming ACC
▲泸西 Luxi VOR/DME (LXI)			N24°32.5′ E103°44.6′		
参阅昆明/长水机场标准仪表离场程序。 Refer SID of KUNMING/Changshui airport.					

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航路代号 Route designator					
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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W151					
▲中原 Zhongyuan VOR/DME (DZY)			N34°43.6′ E113°33.0′		
RNAV2	118°/298° 88	1 214		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲AGSOS			N34°25′30″ E114°26′16″		
RNAV2	076°/256° 12	680		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OKTOX			N34°27′40″ E114°33′54″		
参阅郑州/新郑机场标准仪表离场程序。 Refer SID of ZHENGZHOU/Xinzheng airport.					
W152					
▲寇岭 Kouling VOR/DME (KLX)			N34°15.9′ E109°14.9′		
RNAV2	155°/335° 64	2 687		↓↑	Xi'an ACC
▲UGSUT			N33°45′24″ E109°34′36″		
RNAV2	251°/071° 72	3 300		↓↑	Xi'an ACC
▲PIKEM			N33°30′44″ E108°51′34″		
RNAV2	251°/071° 55	3 300		↓↑	Xi'an ACC
▲宁陕 Ningshan VOR/DME (NSH)			N33°19.1′ E108°18.7′		
参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
W153					
▲烟庄 Yanzhuang NDB (ZS)			N34°13.3′ E108°51.2′		
RNAV2	183°/003° 79	3 615		↓↑	Xi'an ACC
▲PIKEM			N33°30′44″ E108°51′34″		
参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
W154					

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲长武 Changwu NDB (HO)			N35°12.6′ E107°46.1′		
RNAV2	135°/315° 50	2 074		↓↑	Xi'an ACC
▲XODAS			N34°54′47″ E108°10′39″		
参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
W155					
▲VETIB			N24°09′36″ E116°26′09″		
RNAV2	095°/275° 43	2 159		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲DABER			N24°08′34″ E116°51′44″		
RNAV2	094°/274° 65	2 094		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲TEBON			N24°08′17″ E117°30′04″		
参阅揭阳/潮汕机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
W156					
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		
RNAV2	111°/291° 20	1 234		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UPGUR			N30°29′01″ E111°42′26″		
RNAV2	113°/293° 75	871		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲荆州 Jingzhou VOR/DME (DJZ)			N30°15.8′ E112°26.9′		
RNAV2	---/278° 71	871		↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUGAM			N30°12′59″ E113°11′08″		
W157					
▲DALIM			N36°25′04″ E117°12′47″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	343°/--- 96	2 124		↓	DALIM : Beijing ACC(Above 7800m) Jinan ACC(7800m or below) TUMLO : Beijing ACC
▲TUMLO			N37°13′00″ E116°47′39″		
RNAV2	350°/--- 88	666		↓	Beijing ACC
▲AGOGU			N37°58′27″ E116°30′21″		
RNAV2	330°/--- 19	615		↓	Beijing ACC
▲BUVMA			N38°06′47″ E116°22′43″		
RNAV2	330°/--- 20	624		↓	Beijing ACC
▲BEKDO			N38°15′33″ E116°14′39″		
RNAV2	022°/--- 45	624		↓	Beijing ACC
▲AVBOX			N38°38′52″ E116°22′41″		
RNAV2	022°/--- 63	620		↓	Beijing ACC
▲大王庄 Dawangzhuang VOR/DME (VYK)			N39°11.7′ E116°34.3′		
W158					
▲PANKI			N37°17′45″ E116°59′59″		
RNAV2	192°/--- 64	1 427		↓	PANKI : Beijing ACC Zhangzhuang NDB: Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲张庄 Zhangzhuang NDB (AR)			N36°43.4′ E116°55.0′		
W160					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	325°/--- 57	1 427		↓	Jinan VOR/DME: Beijing ACC(Above 7800m) Jinan ACC(7800m or below) TUMLO : Beijing ACC
▲TUMLO			N37°13′00″ E116°47′39″		
W161					
▲无锡 Wuxi VOR/DME (VMB)			N31°44.6′ E120°11.5′		
RNAV2	149°/329° 21	1 025	20	↓↑	Shanghai ACC
▲SASAN			N31°35′22″ E120°19′10″		
W162					
▲五粮液 Wuliangye VOR/DME (WLY)			N28°51.0′ E104°33.8′		
RNP4	237°/057° 32	2 147		↓↑	Chengdu ACC
▲KAKMI			N28°41′04″ E104°17′39″		
RNP4	245°/065° 27	2 594		↓↑	Chengdu ACC
▲BOPTU			N28°34′34″ E104°02′41″		
RNP4	245°/065° 45	3 577		↓↑	Chengdu ACC
▲IPNAG			N28°23′44″ E103°37′55″		
RNP4	245°/065° 161	4 782		↓↑	Chengdu ACC
▲河西 Hexi NDB (SB)			N27°44.4′ E102°09.9′		
RNP4	231°/051° 91	4 958		↓↑	Chengdu ACC
▲MUBOP			N27°12′53″ E101°27′32″		
RNP4	231°/051° 92	4 800		↓↑	Kunming ACC
▲NUKSU			N26°41′14″ E100°44′58″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	231°/051° 4	4 553		↓↑	Kunming ACC
▲程海 Chenghai VOR/DME (CEH)			N26°39.9′ E100°43.2′		
RNP4	200°/020° 36	4 553		↓↑	Kunming ACC
▲OGAVA			N26°21′47″ E100°36′15″		
RNP4	200°/020° 85	4 722		↓↑	Kunming ACC
▲大理 Dali VOR/DME (DAL)			N25°38.6′ E100°19.4′		
RNP4	188°/008° 57	4 522		↓↑	Kunming ACC
▲UPGED			N25°08′18″ E100°15′21″		
RNP4	188°/008° 16	4 522		↓↑	Kunming ACC
▲BUBSU			N24°59′35″ E100°14′10″		
W163					
▲骆岗 Luogang VOR/DME (HFE)			N31°46.5′ E117°18.1′		
RNAV2	094°/274° 75	1 113		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲SUNBO			N31°47′27″ E118°05′15″		
RNAV2	094°/274° 20	1 020		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲VEMEX			N31°47′42″ E118°18′04″		
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W164					
▲ADGOL			N31°28′42″ E116°50′42″		
RNAV2	---/264° 43	1 369		↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲VILID			N31°33′27″ E117°17′23″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	---/264° 28	1 113		↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲LEGIV			N31°36′30″ E117°34′30″		
RNAV2	089°/269° 57	1 079		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲OREVO			N31°40′00″ E118°10′30″		
W165					
▲桃花 Taohua VOR/DME (THA)			N31°46.7′ E117°07.4′		
RNAV2	118°/298° 47	1 127		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲LEGIV			N31°36′30″ E117°34′30″		
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					
W166					
▲奔牛 Benniu NDB (ZJ)			N31°56.5′ E119°42.6′		
RNAV2	331°/151° 123	1 025		↓↑	Shanghai ACC
▲RIBVI			N32°51′02″ E118°57′48″		
RNAV2	331°/151° 49	1 025		↓↑	Shanghai ACC
▲OSIKI			N33°12′41″ E118°39′53″		
RNAV2	331°/151° 81	1 025		↓↑	Shanghai ACC
▲DALNU			N33°48′45″ E118°10′04″		
奔牛 NDB-RIBVI 段航线高度 4 500 米（含）以上。RIBVI-DALNU 段航线高度 6 000 米（含）以上。 Segment between Benniu NDB‘ZJ’ and RIBVI, En-route altitude 4 500m or above. Segments between RIBVI and DALNU, En-route altitude 6 000m or above.					
W167					
▲奔牛 Benniu NDB (ZJ)			N31°56.5′ E119°42.6′		
RNAV2	129°/309° 69	928		↓↑	Shanghai ACC

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲SASAN			N31°35′22″ E120°19′10″		
RNAV2	139°/319° 15	941		↓↑	Shanghai ACC
▲硕放 Shuofang VOR/DME (SUF)			N31°29.9′ E120°25.9′		
奔牛 NDB-SASAN 航段使用高度为 3 900 米（含）以上。 Segment between Benniu NDB‘ZJ’ and SASAN, En-route altitude 3 900m or above.					
W168					
▲江北 Jiangbei VOR/DME (CKG)			N29°44.8′ E106°39.2′		
RNAV2	170°/350° 36	1 954		↓↑	Chengdu ACC
▲长生桥 Changshengqiao VOR/DME (SHC)			N29°25.9′ E106°43.7′		
RNAV2	067°/247° 16	1 550		↓↑	Chengdu ACC
▲XOLAL			N29°29′34″ E106°52′53″		
RNAV2	067°/247° 53	1 882		↓↑	Chengdu ACC
▲涪陵 Fuling VOR/DME (FLG)			N29°42.0′ E107°22.7′		
RNAV2	056°/--- 38	2 498		↓	Chengdu ACC
▲GUTVI			N29°53′53″ E107°41′30″		
参阅重庆/江北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHONGQING/Jiangbei airport.					
W169					
▲南宁 Nanning VOR/DME (WUY)			N22°35.1′ E108°08.9′		
RNAV2	175°/355° 153	1 990		↓↑	Nanning ACC
▲ISGEG			N21°13′00″ E108°18′18″		
RNAV2	190°/010° 26	600		↓↑	Nanning ACC
▲RIKMO			N20°59′20″ E108°16′00″		

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RNAV2	190°/010° 55	600		↓↑	Nanning ACC
▲RUNEG			N20°30′00″ E108°11′06″		
RNAV2	181°/001° 84	600		↓↑	Sanya ACC(Above 7 200m) Haikou APP(7200m or below)
▲ENSIX			N19°44′54″ E108°10′54″		
RNAV2	181°/001° 54	600		↓↑	Sanya ACC(Above 7 200m) Haikou APP(7200m or below)
▲XELOV			N19°15′42″ E108°10′48″		
RNAV2	181°/001° 69	600		↓↑	Sanya ACC(Above 7 200m) Sanya APP(7200m or below)
▲ADKUN			N18°38′30″ E108°10′36″		
RNAV2	181°/001° 64	600		↓↑	Sanya ACC(Above 7 200m) Sanya APP(7200m or below)
▲URDIN			N18°03′41″ E108°10′59″		
RNAV2	133°/313° 67	600		↓↑	Sanya ACC(Above 7 200m) Sanya APP(7200m or below)
▲IDLUS			N17°39′41″ E108°39′04″		
RNAV2	090°/270° 54	600		↓↑	Sanya ACC(Above 7 200m) Sanya APP(7200m or below)
▲KAGUK			N17°40′11″ E109°09′54″		
RNAV2	090°/270° 13	600		↓↑	Sanya ACC(Above 7 200m) Sanya APP(7200m or below)
▲ATALA			N17°40′18″ E109°17′20″		
W170					
▲VEGDO			N18°11′27″ E109°17′03″		
RNAV2	181°/001° 58	1 078		↓↑	Sanya ACC
▲ATALA			N17°40′18″ E109°17′20″		
RNAV2	181°/001° 20	600		↓↑	Sanya ACC

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▲SAVNO			N17°29′31″ E109°17′25″		
W171					
△LENKO			N17°24′57″ E110°18′00″		
RNAV2	276°/096° 107	600		↓↑	Sanya ACC
▲SAVNO			N17°29′31″ E109°17′25″		
RNAV2	276°/096° 13	600		↓↑	Sanya ACC
▲SAGSU			N17°30′06″ E109°09′48″		
W172					
▲LATUX			N35°29′00″ E120°47′00″		
RNAV2	339°/159° 32	600		↓↑	Qingdao ACC
▲LAROP			N35°43′54″ E120°36′56″		
RNAV2	344°/164° 28	1 733		↓↑	Qingdao ACC
▲IPMIN			N35°57′33″ E120°29′27″		
RNAV2	004°/184° 18	1 733		↓↑	Qingdao ACC
▲URBAD			N36°07′00″ E120°28′50″		
RNAV2	009°/189° 29	1 732		↓↑	Qingdao ACC
▲VEPGI			N36°22′48″ E120°29′44″		
RNAV2	027°/207° 17	1 732		↓↑	Qingdao ACC
▲AVBIK			N36°31′11″ E120°33′38″		
RNAV2	014°/194° 46	925		↓↑	Qingdao ACC
▲莱阳 Laiyang NDB (FD)			N36°55.8′ E120°37.9′		
RNAV2	015°/195° 74	1 410		↓↑	Qingdao ACC

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▲TEKAM			N37°35′10″ E120°45′17″		
RNAV2	012°/192° 47	1 410		↓↑	Qingdao ACC
▲IGDEG			N38°00′22″ E120°48′18″		
URBAD 及 TEKAM 之间航线高度 9 500 米（含）以上。 Segments between TEKAM and URBAD, En-route altitude 9 500m or above.					
W173					
▲MAKNO			N38°27′48″ E121°08′54″		
RNAV2	217°/037° 11	1 357		↓↑	Dalian ACC
▲TANIB			N38°22′54″ E121°05′13″		
RNAV2	217°/037° 17	1 357		↓↑	Dalian ACC
▲NIXEP			N38°15′00″ E120°59′18″		
RNAV2	217°/037° 31	1 357		↓↑	Qingdao ACC
▲IGDEG			N38°00′22″ E120°48′18″		
RNAV2	217°/037° 45	1 357		↓↑	Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
W174					
▲莱阳 Laiyang NDB (FD)			N36°55.8′ E120°37.9′		
RNAV2	205°/025° 42	1 400		↓↑	Qingdao ACC
▲XIVID			N36°34′30″ E120°28′50″		
RNAV2	205°/025° 34	1 400		↓↑	Qingdao ACC
▲青岛 Qingdao VOR/DME (TAO)			N36°17.3′ E120°22.2′		
RNAV2	198°/018° 35	1 400		↓↑	Qingdao ACC
▲薛家岛 Xuejiadao VOR/DME (XDX)			N35°58.7′ E120°17.4′		

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W175					
▲LIMGI			N34°25′48″ E111°02′00″		
RNAV2	005°/--- 49	2 431		↓	Xi'an ACC
▲PATVU			N34°52′24″ E111°02′02″		
RNAV2	005°/--- 27	2 120		↓	Xi'an ACC
▲PONAV			N35°07′10″ E111°02′03″		
RNAV2	031°/--- 20	2 040		↓	Xi'an ACC
▲IBUDO			N35°16′51″ E111°07′42″		
RNAV2	031°/--- 171	3 124		↓	Xi'an ACC
▲BIVAT			N36°39′50″ E111°57′10″		
RNAV2	031°/--- 54	3 124		↓	BIVAT : Xi'an ACC BISAL : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲BISAL			N37°06′02″ E112°13′37″		
RNAV2	031°/--- 56	2 623		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲AVKES			N37°33′30″ E112°29′57″		
RNAV2	031°/--- 24	2 407		↓	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲太原 Taiyuan VOR/DME (TYN)			N37°44.9′ E112°37.2′		
PONAV 至太原 VOR 航段飞行高度 8 100 米（含）至 12 500 米。 Segments between PONAV and Taiyuan VOR, en-route altitude 8100m-12500m.					
W176					
▲阿克苏 Aksu VOR/DME (AKS)			N41°15.7′ E080°17.1′		

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RNP4	238°/058° 129	4 400		↓↑	Urumqi ACC
△PUBUR			N40°44′15″ E078°55′12″		
RNP4	238°/058° 280	4 512		↓↑	Urumqi ACC
▲喀什 Kashi VOR/DME (KHG)			N39°32.8′ E076°01.4′		
RNP4	126°/306° 167	2 700		↓↑	Urumqi ACC
△MAGIV			N38°34′42″ E077°29′57″		
W177					
▲盐城 Yancheng VOR/DME (YCH)			N33°25.3′ E120°12.3′		
RNAV2	297°/117° 108	717		↓↑	Shanghai ACC
▲淮安 Huaian VOR/DME (HUN)			N33°46.4′ E119°06.6′		
RNAV2	291°/111° 33	814		↓↑	Shanghai ACC
▲IDKOT			N33°51′16″ E118°46′03″		
RNAV2	291°/111° 48	689		↓↑	Shanghai ACC
▲OMUDI			N33°58′14″ E118°16′00″		
W178					
▲RUXEL			N34°06′38″ E118°48′30″		
RNAV2	193°/013° 29	771		↓↑	Shanghai ACC
▲IDKOT			N33°51′16″ E118°46′03″		
RNAV2	193°/013° 43	869		↓↑	Shanghai ACC
▲LAGAL			N33°28′02″ E118°42′20″		
RNAV2	193°/013° 29	869		↓↑	Shanghai ACC
▲OSIKI			N33°12′41″ E118°39′53″		

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RNAV2	193°/013° 60	869		↓↑	Shanghai ACC
▲半塔集 Bantaji NDB (OF)			N32°40.4′ E118°34.7′		
W179					
▲ELKAL			N26°05′48″ E108°23′50″		
RNAV2	298°/--- 139	2 779		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲MASRO			N26°37′59″ E107°08′34″		
RNAV2	298°/--- 40	2 496		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲SUMUN			N26°47′12″ E106°46′49″		
RNAV2	321°/--- 61	2 300		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲BIPIP			N27°11′57″ E106°22′31″		
RNAV2	321°/--- 79	2 587		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲IRVED			N27°43′53″ E105°51′17″		
RNAV2	290°/--- 25	2 419		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲SAMIV			N27°47′55″ E105°36′51″		
RNAV2	296°/--- 24	2 488		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲RIRKI			N27°53′08″ E105°23′22″		
RNAV2	299°/--- 24	2 419		↓	RIRKI : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) UDOXO : Chengdu ACC
▲UDOXO			N27°58′58″ E105°10′16″		
RNAV2	330°/--- 53	2 418		↓	Chengdu ACC

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▲OTGIN			N28°23′21″ E104°53′12″		
RNAV2	330°/--- 60	2 329		↓	Chengdu ACC
▲五粮液 Wuliangye VOR/DME (WLY)			N28°51.0′ E104°33.8′		
RNAV2	330°/--- 55	1 391		↓	Chengdu ACC
▲IGNAK			N29°16′19″ E104°15′43″		
RNAV2	010°/--- 98	1 473		↓	Chengdu ACC
▲IPLOL			N30°08′22″ E104°24′36″		
RNAV2	010°/--- 52	1 659		↓	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
RNAV2	344°/--- 31	1 659		↓	Chengdu ACC
▲金堂 Jintang VOR/DME (JTG)			N30°52.3′ E104°23.4′		
RNAV2	360°/--- 42	1 646		↓	Chengdu ACC
▲德新 Dexin VOR/DME (CDX)			N31°15.0′ E104°22.8′		
RNAV2	360°/--- 58	3 693		↓	Chengdu ACC
▲BOKIR			N31°46′04″ E104°20′59″		
RNAV2	360°/--- 72	4 570		↓	Chengdu ACC
▲PAVMO			N32°24′36″ E104°19′00″		
RNAV2	360°/--- 20	4 641		↓	Chengdu ACC
▲OBMIG			N32°35′20″ E104°18′29″		
RNAV2	360°/--- 30	5 188		↓	Lanzhou ACC
▲IDVEM			N32°51′36″ E104°17′42″		

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RNAV2	360°/--- 55	5 094		↓	Lanzhou ACC
▲OMBON			N33°21′26″ E104°16′15″		
W180					
▲SANUK			N31°22′19″ E107°23′31″		
RNAV2	211°/--- 75	1 812		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲BOKIX			N30°46′49″ E107°01′02″		
RNAV2	211°/--- 10	1 754		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲TAMUS			N30°42′04″ E106°58′03″		
RNAV2	205°/--- 13	1 841		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲OTLOS			N30°35′29″ E106°54′52″		
RNAV2	205°/--- 15	2 305		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲AKBEK			N30°27′47″ E106°51′10″		
RNAV2	184°/--- 29	2 305		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲合流水 Heliushui NDB (DS)			N30°12.0′ E106°50.9′		
RNAV2	182°/--- 15	2 305		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲PUDUG			N30°04′03″ E106°50′51″		
RNAV2	182°/--- 24	2 196		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲统景场 Tongjingchang NDB (OS)			N29°51.1′ E106°50.8′		
RNAV2	179°/--- 40	1 610		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲XOLAL			N29°29′34″ E106°52′53″		
RNAV2	179°/--- 2	1 781		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)

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▲MEKEP			N29°28′17″ E106°52′57″		
RNAV2	179°/--- 79	2 771		↓	Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below)
▲UNRIX			N28°46′00″ E106°55′00″		
RNAV2	179°/--- 59	2 606		↓	UNRIX : Chengdu ACC(Above 7800m) Chongqing ACC(7800m or below) BONSA : Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲BONSA			N28°14′25″ E106°56′47″		
RNAV2	179°/--- 20	2 413		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲UPKUS			N28°03′39″ E106°57′23″		
RNAV2	179°/--- 66	2 413		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲MEMAG			N27°28′30″ E106°59′14″		
RNAV2	179°/--- 60	2 126		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲LIDMA			N26°56′00″ E107°00′59″		
RNAV2	179°/--- 13	2 100		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲LIKRI			N26°49′03″ E107°01′19″		
RNAV2	179°/--- 24	2 300		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲VIGAN			N26°35′55″ E107°02′00″		
RNAV2	179°/--- 16	2 300		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲KAGRA			N26°27′24″ E107°02′26″		
RNAV2	179°/--- 18	2 300		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)

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▲ELBAV			N26°17′38″ E107°02′49″		
W181					
▲贵阳 Guiyang VOR/DME (KWE)			N26°31.4′ E106°47.7′		
RNAV2	137°/--- 36	2 300		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲ELBAV			N26°17′38″ E107°02′49″		
RNAV2	137°/--- 90	2 561		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲IDEPO			N25°42′55″ E107°40′44″		
RNAV2	137°/--- 40	2 184		↓	Nanning ACC
▲荔波 Libo VOR/DME (GLB)			N25°27.3′ E107°57.8′		
RNAV2	176°/--- 103	1 761		↓	Nanning ACC
▲XOLON			N24°32′19″ E108°04′29″		
RNAV2	176°/--- 80	1 499		↓	Nanning ACC
▲DUDIT			N23°49′15″ E108°09′42″		
W182					
▲AGTIS			N27°22′08″ E106°45′00″		
RNAV2	153°/333° 55	2 309		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲LIDMA			N26°56′00″ E107°00′59″		
RNAV2	109°/289° 62	2 200		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲UBDID			N26°46′53″ E107°36′48″		
RNAV2	109°/289° 78	2 693		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲UGUGU			N26°35′01″ E108°22′10″		
RNAV2	109°/289° 68	2 600		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)

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▲LAGEX			N26°25′48″ E109°01′35″		
W183					
▲UGUGU			N26°35′01″ E108°22′10″		
RNAV2	035°/215° 80	2 600		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲OKAKO			N27°11′19″ E108°48′18″		
RNAV2	035°/215° 90	1 697		↓↑	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲铜仁 Tongren VOR/DME (TRN)			N27°52.1′ E109°17.6′		
RNAV2	014°/194° 80	1 974		↓↑	铜仁 Tongren VOR/DME: Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below) 花垣 Huayuan VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲花垣 Huayuan VOR/DME (HUY)			N28°34.8′ E109°27.0′		
W184					
▲PIMOL			N32°14′45″ E119°45′42″		
RNAV2	193°/013° 34	858		↓↑	Shanghai ACC
▲奔牛 Benniu NDB (ZJ)			N31°56.5′ E119°42.6′		
W185					
▲半塔集 Bantaji NDB (OF)			N32°40.4′ E118°34.7′		
RNAV2	067°/247° 41	828		↓↑	Shanghai ACC
▲RIBVI			N32°51′02″ E118°57′48″		
RNAV2	067°/247° 21	828		↓↑	Shanghai ACC
▲NIXEM			N32°56′31″ E119°09′38″		
RNAV2	067°/247° 111	828		↓↑	Shanghai ACC

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▲盐城 Yancheng VOR/DME (YCH)			N33°25.3′ E120°12.3′		
W186					
▲KAMUD 中吉国境点			N41°34′00″ E078°50′00″		
RNP4	102°/282° 126	5 897		↓↑	Urumqi ACC
▲阿克苏 Aksu VOR/DME (AKS)			N41°15.7′ E080°17.1′		
RNP4	102°/282° 120	2 200		↓↑	Urumqi ACC
△PAMLI			N40°58′01″ E081°39′50″		
RNP4	102°/282° 198	1 617		↓↑	Urumqi ACC
△ISBEB			N40°30′53″ E083°55′54″		
RNP4	102°/282° 182	1 652		↓↑	Urumqi ACC
▲SADAN			N40°04′36″ E086°00′00″		
W187					
△MAGIV			N38°34′42″ E077°29′57″		
RNP4	072°/252° 230	1 954		↓↑	Urumqi ACC
△KANPI			N39°06′14″ E080°04′08″		
RNP4	075°/255° 215	1 805		↓↑	Urumqi ACC
△PEBGO			N39°32′30″ E082°29′42″		
RNP4	075°/255° 306	1 763		↓↑	Urumqi ACC
▲SADAN			N40°04′36″ E086°00′00″		
RNP4	100°/280° 167	1 643		↓↑	Urumqi ACC
▲SAKLU			N39°48′08″ E087°55′33″		
RNP4	100°/280° 308	4 881		↓↑	Urumqi ACC

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▲OBDEG			N39°12′52″ E091°25′36″		
RNP4	100°/280° 77	4 881		↓↑	Lanzhou ACC
▲TUSLI			N39°05′00″ E092°18′00″		
RNP4	061°/241° 234	5 434		↓↑	Lanzhou ACC
▲KARVI			N40°06′09″ E094°41′33″		
RNP4	061°/241° 15	2 504		↓↑	Lanzhou ACC
▲敦煌 Dunhuang VOR/DME (DNH)			N40°09.8′ E094°50.7′		
RNP4	007°/187° 16	2 504		↓↑	Lanzhou ACC
▲IBANO			N40°18′21″ E094°52′00″		
W188					
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
RNAV2	076°/256° 139	2 686		↓↑	Urumqi ACC
△ADPET			N44°25′03″ E089°41′36″		
RNAV2	105°/285° 112	2 100		↓↑	Urumqi ACC
△ESGIV			N44°07′09″ E091°02′11″		
RNAV2	105°/285° 32	2 795		↓↑	Urumqi ACC
△DAKPA			N44°01′48″ E091°25′21″		
RNAV2	108°/288° 133	4 800		↓↑	Urumqi ACC
△RIMDU			N43°38′56″ E092°59′13″		
RNAV2	108°/288° 180	5 411		↓↑	Urumqi ACC
△BATUS			N43°07′33″ E095°05′11″		

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RNAV2	146°/326° 99	3 400		↓↑	Urumqi ACC
▲LIKMI			N42°23′18″ E095°45′59″		
RNAV2	146°/326° 70	3 147		↓↑	Lanzhou ACC
▲GOVSA			N41°52′16″ E096°14′32″		
W189					
▲AKLAS			N42°13′49″ E091°44′45″		
RNAV2	351°/171° 32	1 733		↓↑	Urumqi ACC
▲IPMUN			N42°31′06″ E091°41′39″		
RNAV2	351°/171° 103	2 889		↓↑	Urumqi ACC
△IDOPU			N43°26′23″ E091°31′46″		
RNAV2	351°/171° 66	2 889		↓↑	Urumqi ACC
△DAKPA			N44°01′48″ E091°25′21″		
W190					
△乌鲁木齐 Urumqi VOR/DME (WUR)			N43°54.8′ E087°30.5′		
RNAV2	014°/--- 49	1 997		↓	Urumqi ACC
△VARMI			N44°20′03″ E087°41′05″		
RNAV2	039°/--- 36	1 205		↓	Urumqi ACC
△OMDAX			N44°34′29″ E087°59′27″		
RNAV2	095°/--- 17	1 236		↓	Urumqi ACC
△MULOR			N44°33′19″ E088°12′16″		
RNAV2	095°/--- 24	1 250		↓	Urumqi ACC
△VESED			N44°31′40″ E088°30′34″		

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RNAV2	095°/--- 45	1 203		↓	Urumqi ACC
△PUBAM			N44°28′40″ E089°04′06″		
RNAV2	095°/--- 50	1 313		↓	Urumqi ACC
△ADPET			N44°25′03″ E089°41′36″		
RNAV2	186°/006° 48	1 859		↓↑	Urumqi ACC
▲奇台 Qitai VOR/DME (QTV)			N43°59.3′ E089°36.7′		
W191					
△ESDEX			N41°37′45″ E091°51′08″		
RNAV2	122°/302° 177	2 540		↓↑	Urumqi ACC
▲MOVBI			N40°45′28″ E093°37′13″		
RNAV2	128°/--- 116	2 540		↓	Lanzhou ACC
▲KARVI			N40°06′09″ E094°41′33″		
RNAV2	116°/--- 37	3 075		↓	Lanzhou ACC
▲TOSAP			N39°57′24″ E095°04′48″		
RNAV2	117°/--- 98	5 889		↓	Lanzhou ACC
▲VIKUP			N39°33′49″ E096°06′13″		
RNP4	118°/--- 72	6 015		↓	Lanzhou ACC
△ATNOK			N39°16′08″ E096°50′39″		
RNP4	118°/--- 80	5 880		↓	Lanzhou ACC
▲MULRU			N38°56′21″ E097°40′09″		
RNP4	120°/--- 299	5 900		↓	Lanzhou ACC

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▲RUSAT			N37°39′25″ E100°40′48″		
RNP4	120°/--- 85	5 258		↓	Lanzhou ACC
▲NODID			N37°17′52″ E101°31′30″		
RNAV2	108°/--- 47	5 083		↓	Lanzhou ACC
▲ESMEX			N37°10′47″ E102°02′19″		
RNAV2	108°/--- 26	4 971		↓	Lanzhou ACC
▲AVBUD			N37°06′54″ E102°18′56″		
RNAV2	124°/304° 63	4 976		↓↑	Lanzhou ACC
▲PANRA			N36°48′58″ E102°54′43″		
RNAV2	118°/298° 70	4 394		↓↑	Lanzhou ACC
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
W192					
▲阜康 Fukang VOR/DME (FKG)			N44°10.4′ E087°59.0′		
RNAV2	119°/299° 132	5 953		↓↑	Urumqi ACC
△KEXAB			N43°33′28″ E089°23′35″		
RNAV2	119°/299° 74	4 979		↓↑	Urumqi ACC
△UPKOT			N43°12′55″ E090°10′16″		
RNAV2	119°/299° 69	4 400		↓↑	Urumqi ACC
▲LUPRO			N42°53′21″ E090°53′37″		
RNAV2	135°/315° 101	1 733		↓↑	Urumqi ACC
▲AKLAS			N42°13′49″ E091°44′45″		

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RNAV2	171°/351° 15	1 753		↓↑	Urumqi ACC
△AVLIM			N42°06′01″ E091°46′09″		
RNAV2	171°/351° 53	2 006		↓↑	Urumqi ACC
△ESDEX			N41°37′45″ E091°51′08″		
RNP4	171°/351° 210	2 300		↓↑	Urumqi ACC
▲RUSDI			N39°45′06″ E092°10′48″		
RNP4	171°/351° 75	4 604		↓↑	Lanzhou ACC
▲TUSLI			N39°05′00″ E092°18′00″		
RNP4	170°/350° 52	4 604		↓↑	Lanzhou ACC
△KIDIV			N38°37′14″ E092°24′06″		
RNP4	170°/350° 51	3 944		↓↑	Lanzhou ACC
▲DUMIN			N38°10′00″ E092°30′00″		
W193					
▲EGILO			N40°38′48″ E109°59′02″		
RNAV2	179°/359° 10	2 477		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲包头 Baotou VOR/DME (BAV)			N40°33.4′ E109°59.9′		
RNAV2	192°/012° 15	2 341		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲OMGEL			N40°25′21″ E109°58′29″		
RNAV2	187°/007° 25	2 011		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲ALGOV			N40°11′55″ E109°57′55″		
RNAV2	191°/011° 79	2 208		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)

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▲鄂尔多斯 Ordos VOR/DME (HDS)			N39°29.4′ E109°51.7′		
RNAV2	196°/016° 48	2 177		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲TESAN			N39°04′10″ E109°45′12″		
RNAV2	196°/016° 37	2 096		↓↑	Xi'an ACC
▲MUDPO			N38°44′26″ E109°40′15″		
RNAV2	196°/016° 41	1 954		↓↑	Xi'an ACC
▲榆林 Yulin VOR/DME (YLX)			N38°22.9′ E109°34.7′		
RNAV2	187°/007° 195	2 127		↓↑	Xi'an ACC
▲ATERI			N36°37′38″ E109°29′38″		
RNAV2	187°/007° 23	2 122		↓↑	Xi'an ACC
▲南泥湾 Nanniwan VOR/DME (NNW)			N36°25.2′ E109°29.1′		
RNAV2	192°/012° 72	2 122		↓↑	Xi'an ACC
▲洛川 Luochuan VOR/DME (WJC)			N35°46.7′ E109°22.6′		
W194					
▲张家界 Zhangjiajie VOR/DME (DYG)			N29°05.6′ E110°24.3′		
RNAV2	106°/286° 32	2 134		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲NOMUK			N29°01′46″ E110°43′30″		
RNAV2	106°/286° 89	2 118		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲常德 Changde NDB (CD)			N28°50.9′ E111°37.3′		
RNAV2	149°/329° 63	1 846		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△AVKOK			N28°22′40″ E111°58′33″		

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RNAV2	149°/329° 41	1 846		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲老粮仓 Laoliangcang VOR/DME (LLC)			N28°04.1′ E112°12.5′		
W197					
▲SUNUV			N36°31′46″ E104°06′45″		
RNAV2	304°/--- 87	4 407		↓	Lanzhou ACC
▲BUKPU			N36°56′13″ E103°17′02″		
RNAV2	304°/--- 88	4 976		↓	Lanzhou ACC
▲ANDIM			N37°21′30″ E102°26′23″		
W198					
▲PANRA			N36°48′58″ E102°54′43″		
RNAV2	070°/250° 36	4 407		↓↑	Lanzhou ACC
▲BUKPU			N36°56′13″ E103°17′02″		
RNAV2	070°/250° 76	4 465		↓↑	Lanzhou ACC
▲景泰 Jingtai VOR/DME (JTA)			N37°11.8′ E104°04.8′		
W199					
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		
RNAV2	294°/114° 28	3 376		↓↑	Lanzhou ACC
▲NIRUV			N38°26′06″ E106°06′48″		
RNAV2	294°/114° 95	3 798		↓↑	Lanzhou ACC
▲OPULI			N38°44′06″ E105°05′19″		
RNAV2	294°/114° 214	2 469		↓↑	Lanzhou ACC
▲雅布赖 Yabrai VOR/DME (YBL)			N39°25.3′ E102°46.5′		

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W200					
▲DOVIV			N38°06′40″ E119°31′57″		
RNAV2	127°/307° 102	1 427		↓↑	DOVIV : Beijing ACC Huangcheng VOR/DME: Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
W201					
▲UKDUM			N41°29′51″ E118°26′40″		
RNAV2	---/344° 32	2 460		↑	Beijing ACC
▲OPIMU			N41°14′12″ E118°35′38″		
RNAV2	---/344° 123	2 381		↑	Beijing ACC
▲ANOBI			N40°13′17″ E119°10′45″		
RNAV2	---/304° 57	2 024		↑	ANOBI : Beijing ACC 山海关 Shanhaiguan NDB: Shenyang ACC
▲山海关 Shanhaiguan NDB (LC)			N39°59.9′ E119°47.1′		
RNAV2	174°/354° 76	1 446		↓↑	Shenyang ACC
▲ISGAP			N39°19′51″ E120°00′08″		
RNAV2	174°/354° 71	600		↓↑	Dalian ACC
▲ORAVA			N38°42′36″ E120°12′21″		
RNAV2	174°/354° 11	1 526		↓↑	Dalian ACC
▲UNSEK			N38°36′46″ E120°14′08″		
RNAV2	173°/353° 11	600		↓↑	Dalian ACC

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▲GOTSU			N38°30′58″ E120°16′01″		
RNAV2	173°/353° 31	600		↓↑	Dalian ACC
▲OSVEN			N38°15′00″ E120°21′10″		
RNAV2	173°/353° 68	1 427		↓↑	Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
W202					
△DOBGA			N38°24′47″ E121°27′31″		
RNAV2	070°/250° 68	600		↓↑	Dalian ACC
▲UDETI			N38°41′30″ E122°09′36″		
W203					
▲RUSBO			N44°33′37″ E124°07′06″		
	034°/214° 19	850		↓↑	Harbin ACC
▲LUVMO			N44°42′49″ E124°12′50″		
	064°/244° 58	918		↓↑	Harbin ACC
▲PIGAM			N45°01′23″ E124°48′41″		
W204					
▲RUSBO			N44°33′37″ E124°07′06″		
	093°/273° 19	849		↓↑	Harbin ACC
▲IGPUP			N44°34′43″ E124°21′03″		
	064°/244° 56	913		↓↑	Harbin ACC
▲LEGAG			N44°52′15″ E124°55′40″		
W205					
▲NIMEM			N44°06′19″ E125°48′17″		

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	169°/--- 19	1 155		↓	Harbin ACC
▲NULRA			N43°56′59″ E125°53′18″		
W206					
▲NULRA			N43°56′59″ E125°53′18″		
	049°/--- 19	1 155		↓	Harbin ACC
▲MAGBI			N44°04′46″ E126°02′00″		
W207					
▲临澧 Linli VOR/DME (LIN)			N29°21.2′ E111°38.9′		
RNAV2	047°/227° 178	1 227		↓↑	临澧 Linli VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) TIKME: Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TIKME			N30°32′24″ E112°53′37″		
W208					
▲临澧 Linli VOR/DME (LIN)			N29°21.2′ E111°38.9′		
RNAV2	041°/221° 127	1 204		↓↑	临澧 Linli VOR/DME: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below) 荆州 Jingzhou VOR/DME: Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲荆州 Jingzhou VOR/DME (DJZ)			N30°15.8′ E112°26.9′		
RNAV2	059°/239° 53	871		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲TIKME			N30°32′24″ E112°53′37″		
RNAV2	049°/229° 34	899		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲天门 Tianmen VOR/DME (WTM)			N30°45.2′ E113°08.5′		
W209					
▲薛家岛 Xuejiadao VOR/DME (XDX)			N35°58.7′ E120°17.4′		
RNAV2	148°/328° 71	1 325		↓↑	Qingdao ACC
▲LATUX			N35°29′00″ E120°47′00″		
RNAV2	072°/252° 56	600		↓↑	Qingdao ACC
▲UGOMO			N35°41′35″ E121°20′54″		
RNAV2	072°/252° 198	600		↓↑	Qingdao ACC
▲OMLIB			N36°24′40″ E123°21′57″		
RNAV2	041°/221° 36	600		↓↑	Qingdao ACC
▲LILMO			N36°40′47″ E123°35′31″		
RNAV2	041°/221° 65	600		↓↑	Qingdao ACC
▲AGAVO			N37°10′00″ E124°00′00″		
W210					
▲PADNO			N35°50′45″ E113°17′36″		
RNAV2	---/085° 38	2 416		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲URBIL			N35°47′13″ E112°52′52″		
RNAV2	---/085° 50	2 019		↑	Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below)
▲RIDMI			N35°42′27″ E112°20′24″		
RNAV2	---/085° 25	2 700		↑	Xi'an ACC
▲MEXOS			N35°40′00″ E112°04′06″		
RNAV2	---/180° 111	3 124		↑	Xi'an ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲BIVAT			N36°39′50″ E111°57′10″		
W210 航线 PADNO-MEXOS 航段使用高度为 7800 米(不含)以上,MEXOS-BIVAT 航段使用高度为 6600 米(不含)以上. Segments between PADNO and MEXOS, en-route altitude 7 800m above; Segments between MEXOS and BIVAT, en-route altitude 6 600m above.					
W211					
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
	053°/--- 55	3 126		↓	Lanzhou ACC
▲MUDAP			N36°51′00″ E104°05′45″		
	051°/--- 61	3 556		↓	Lanzhou ACC
▲LEVGI			N37°12′51″ E104°36′39″		
	051°/--- 60	3 556		↓	Lanzhou ACC
▲中卫 Zhongwei VOR/DME (ZWX)			N37°34.4′ E105°07.5′		
W212					
▲PANRA			N36°48′58″ E102°54′43″		
	090°/--- 105	4 394		↓	Lanzhou ACC
▲MUDAP			N36°51′00″ E104°05′45″		
W213					
▲庆阳 Qingyang VOR/DME (QIY)			N35°47.8′ E107°35.9′		
RNAV2	287°/107° 30	2 200		↓↑	Xi'an ACC
▲ODISA			N35°51′52″ E107°16′49″		
RNAV2	287°/107° 16	2 300		↓↑	Xi'an ACC
▲URBEB			N35°53′57″ E107°06′28″		
RNAV2	287°/107° 83	3 262		↓↑	Lanzhou ACC
▲固原 Guyuan VOR/DME (GUY)			N36°04.8′ E106°12.9′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	287°/--- 137	3 405		↓	Lanzhou ACC
▲OVTIB			N36°24′00″ E104°44′10″		
RNAV2	287°/--- 58	2 989		↓	Lanzhou ACC
▲SUNUV			N36°31′46″ E104°06′45″		
RNAV2	274°/--- 44	2 918		↓	Lanzhou ACC
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
W214					
▲XIXAN			N36°16′46″ E104°07′29″		
RNAV2	123°/303° 56	3 094		↓↑	Lanzhou ACC
▲IRSUM			N36°01′37″ E104°39′51″		
RNAV2	123°/303° 110	3 000		↓↑	Lanzhou ACC
▲静宁 Jingning VOR/DME (JIG)			N35°31.9′ E105°43.4′		
RNAV2	104°/284° 115	3 473		↓↑	Lanzhou ACC
▲XOGAB			N35°20′27″ E106°57′51″		
RNAV2	104°/284° 52	2 626		↓↑	XOGAB : Lanzhou ACC SADBU : Xi'an ACC
▲SADBU			N35°15′04″ E107°31′21″		
RNAV2	104°/284° 23	2 016		↓↑	Xi'an ACC
▲长武 Changwu NDB (HO)			N35°12.6′ E107°46.1′		
W215					
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	190°/--- 48	2 226		↓	Lanzhou ACC
▲吴忠 Wuzhong VOR/DME (DWZ)			N37°55.3′ E106°20.6′		
	145°/--- 23	2 238		↓	Lanzhou ACC
▲IVTEV			N37°45′25″ E106°30′26″		
	157°/--- 49	2 505		↓	Lanzhou ACC
▲DOMVA			N37°21′55″ E106°45′04″		
	169°/--- 92	2 633		↓	Lanzhou ACC
▲RURAV			N36°33′57″ E107°00′29″		
	169°/--- 13	2 517		↓	Lanzhou ACC
▲MOPMA			N36°27′23″ E107°02′34″		
	165°/--- 37	2 428		↓	Lanzhou ACC
▲VIRIK			N36°08′23″ E107°10′13″		
	165°/--- 32	2 300		↓	VIRIK : Lanzhou ACC ODISA : Xi'an ACC
▲ODISA			N35°51′52″ E107°16′49″		
	165°/--- 72	2 200		↓	Xi'an ACC
▲SADBU			N35°15′04″ E107°31′21″		
W216					
▲庆阳 Qingyang VOR/DME (QIY)			N35°47.8′ E107°35.9′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	342°/--- 84	2 300		↓	庆阳 Qingyang VOR/DME: Xi'an ACC ALGAK : Lanzhou ACC
▲ALGAK			N36°30′12″ E107°16′05″		
	351°/--- 22	2 321		↓	Lanzhou ACC
▲MULIV			N36°41′33″ E107°13′04″		
	349°/--- 82	2 535		↓	Lanzhou ACC
▲IDGOB			N37°24′21″ E106°59′05″		
	338°/--- 116	2 535		↓	Lanzhou ACC
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		
W217					
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		
	077°/--- 22	2 143		↓	Lanzhou ACC
▲GOTBO			N38°24′18″ E106°39′30″		
	053°/--- 92	2 143		↓	Lanzhou ACC
▲DOXED			N38°56′55″ E107°27′14″		
	053°/--- 24	2 128		↓	Lanzhou ACC
▲UPKUN			N39°05′20″ E107°39′45″		
	053°/--- 21	2 128		↓	Lanzhou ACC
▲OLTIT			N39°12′48″ E107°50′56″		
	053°/--- 55	2 128		↓	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲VIKON			N39°31′59″ E108°19′57″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W218					
▲TUTGO			N39°10′14″ E107°25′59″		
	119°/299° 22	2 128		↓↑	Lanzhou ACC
▲UPKUN			N39°05′20″ E107°39′45″		
	119°/299° 26	2 146		↓↑	Lanzhou ACC
▲OLDAB			N38°59′39″ E107°56′37″		
	119°/299° 75	2 197		↓↑	Xi'an ACC
▲VEDLU			N38°42′12″ E108°43′16″		
	119°/299° 83	2 080		↓↑	Xi'an ACC
▲榆林 Yulin VOR/DME (YLX)			N38°22.9′ E109°34.7′		
RNAV2	122°/302° 106	1 989		↓↑	Xi'an ACC
▲APOGO			N37°55′46″ E110°39′53″		
W218 航线 OLDAB-榆林 VOR 航段使用高度为 6000 米(含)以上。 Segments between Yulin VOR‘YLX’ and OLDAB, En-route altitude 6 000m or above.					
W219					
▲中卫 Zhongwei VOR/DME (ZWX)			N37°34.4′ E105°07.5′		
	055°/--- 45	2 500		↓	Lanzhou ACC
▲LUVKO			N37°49′03″ E105°31′37″		
	055°/--- 97	2 503		↓	Lanzhou ACC
▲银川 Yinchuan VOR/DME (YHD)			N38°20.8′ E106°24.6′		
W220					
▲NIRUV			N38°26′06″ E106°06′48″		
RNAV2	059°/239° 99	3 376		↓↑	Lanzhou ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲AGVEN			N38°57′25″ E107°02′38″		
RNAV2	059°/239° 30	2 028		↓↑	Lanzhou ACC
▲ENBOP			N39°06′47″ E107°19′39″		
RNAV2	059°/239° 11	2 080		↓↑	Lanzhou ACC
▲TUTGO			N39°10′14″ E107°25′59″		
RNAV2	059°/239° 22	2 085		↓↑	Lanzhou ACC
▲MULOB			N39°16′58″ E107°38′21″		
RNAV2	059°/239° 10	2 120		↓↑	Lanzhou ACC
▲AVNOT			N39°19′57″ E107°43′53″		
RNAV2	059°/239° 52	2 122		↓↑	AVNOT : Lanzhou ACC SANID : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲SANID			N39°35′49″ E108°13′26″		
RNAV2	059°/239° 185	2 341		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲包头 Baotou VOR/DME (BAV)			N40°33.4′ E109°59.9′		
W222					
▲三亚 Sanya VOR/DME (SYX)			N18°18.6′ E109°10.4′		
	069°/--- 51	1 887		↓	Sanya ACC(Above 7200m) Sanya APP(7200m or below)
▲DOSTA			N18°29′24″ E109°36′50″		
	026°/--- 82	2 391		↓	Sanya ACC(Above 7200m) Sanya APP(7200m or below)
▲IDUPU			N19°09′47″ E109°56′10″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	026°/--- 11	2 011		↓	Sanya ACC(Above 7200m) Sanya APP(7200m or below)
▲PORAP			N19°15′00″ E109°58′45″		
	026°/--- 8	2 011		↓	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲DOBVI			N19°18′56″ E110°00′34″		
	026°/--- 94	1 365		↓	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲NUMKU			N20°05′00″ E110°22′53″		
	016°/--- 48	800		↓	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲SAMAS			N20°30′18″ E110°29′42″		
W223					
▲NUMKU			N20°05′00″ E110°22′53″		
	351°/--- 47	848		↓	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲AGTEL			N20°30′00″ E110°17′36″		
W224					
△OMKOB			N28°17′04″ E115°31′36″		
RNAV2	030°/--- 12	976		↓	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PULES			N28°23′04″ E115°34′49″		
W225					
▲IDPUG			N24°40′08″ E102°34′06″		
RNAV2	050°/--- 42	3 401		↓	Kunming ACC
△GODUL			N24°55′29″ E102°52′27″		
RNAV2	050°/--- 100	3 401		↓	Kunming ACC
▲马龙 Malong VOR/DME (DJT)			N25°31.9′ E103°36.3′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W226					
△AVDIP			N28°29′11″ E115°38′07″		
RNAV2	266°/--- 24	1 342		↓	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△BIRIR			N28°27′11″ E115°23′42″		
RNAV2	266°/--- 101	2 148		↓	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲DALEP			N28°18′21″ E114°22′22″		
RNAV2	266°/--- 65	2 208		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OLTOL			N28°13′44″ E113°43′04″		
RNAV2	266°/--- 26	2 021		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OBLUV			N28°11′51″ E113°27′36″		
RNAV2	266°/--- 50	1 591		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△MILOP			N28°08′06″ E112°57′18″		
RNAV2	278°/--- 65	1 401		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△OLTUS			N28°10′21″ E112°17′34″		
RNAV2	278°/--- 7	1 468		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IPMUG			N28°10′35″ E112°13′08″		
RNAV2	257°/--- 14	1 779		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△PEDMU			N28°08′25″ E112°04′55″		
RNAV2	257°/--- 57	1 956		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IRSAS			N27°59′38″ E111°31′49″		
RVSM 空域内飞行时，表速应大于等于 M0.75。 When flying within the RVSM airspace,the indicated speed should be greater than or equal to M0.75.					

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
W227					
△OMKOB			N28°17′04″ E115°31′36″		
RNAV2	---/086° 37	976		↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△GUTGO			N28°13′59″ E115°08′57″		
RNAV2	---/086° 80	1 782		↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PATVO			N28°07′09″ E114°20′37″		
RNAV2	---/086° 64	1 782		↑	PATVO: Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below) VAKDO: Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△VAKDO			N28°02′29″ E113°42′10″		
RNAV2	---/086° 26	1 431		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△UKBOL			N28°00′33″ E113°26′43″		
RNAV2	---/086° 48	1 417		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△NIPIM			N27°56′52″ E112°57′52″		
RNAV2	---/098° 61	1 338		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△RUKLI			N27°59′12″ E112°20′53″		
RNAV2	---/098° 10	1 338		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△SEBMO			N27°59′34″ E112°14′44″		
RNAV2	---/078° 11	1 610		↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△ABTUD			N27°57′53″ E112°08′13″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RVSM 空域内飞行时，表速应大于等于 M0.75。 When flying within the RVSM airspace,the indicated speed should be greater than or equal to M0.75.					
W230					
▲SUBUL			N32°19′39″ E106°42′37″		
RNAV2	259°/--- 52	2 715		↓	Chengdu ACC
▲ONOKU			N32°12′37″ E106°10′13″		
RNAV2	240°/--- 83	2 508		↓	Chengdu ACC
▲ATLAD			N31°48′30″ E105°25′38″		
RNAV2	240°/--- 25	1 542		↓	Chengdu ACC
▲AKDIK			N31°41′12″ E105°12′18″		
RNAV2	240°/--- 53	1 519		↓	Chengdu ACC
▲绵阳 Mianyang VOR/DME (MYG)			N31°26.0′ E104°44.0′		
RNAV2	240°/060° 39	1 339		↓↑	Chengdu ACC
▲德新 Dexin VOR/DME (CDX)			N31°15.0′ E104°22.8′		
W231					
▲URGEG			N30°35′56″ E106°17′03″		
RNAV2	305°/--- 29	1 424		↓	Chengdu ACC
▲BONPI			N30°44′30″ E106°01′29″		
RNAV2	263°/--- 64	1 234		↓	Chengdu ACC
▲EKOKA			N30°38′51″ E105°21′55″		
RNAV2	269°/--- 84	1 659		↓	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
W232					

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲RIRKI			N27°53′08″ E105°23′22″		
RNAV2	336°/--- 68	2 419		↓	Chengdu ACC
▲PAMLO			N28°26′09″ E105°05′14″		
RNAV2	336°/--- 58	2 329		↓	Chengdu ACC
▲OLVAT			N28°54′13″ E104°49′40″		
RNAV2	336°/--- 50	1 281		↓	Chengdu ACC
▲ELDUD			N29°18′35″ E104°36′01″		
RNAV2	358°/--- 145	1 659		↓	Chengdu ACC
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
W233					
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
RNAV2	035°/--- 35	1 659		↓	Chengdu ACC
▲VIMAM			N30°51′54″ E104°41′16″		
RNAV2	059°/--- 76	1 646		↓	Chengdu ACC
▲GURET			N31°14′00″ E105°21′26″		
RNAV2	058°/--- 32	1 387		↓	Chengdu ACC
▲APEXO			N31°23′38″ E105°38′16″		
RNAV2	059°/--- 97	2 080		↓	Chengdu ACC
▲IGREL			N31°52′20″ E106°29′11″		
RNAV2	060°/--- 79	2 568		↓	IGREL : Chengdu ACC AGULU : Xi'an ACC

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▲AGULU			N32°15′43″ E107°11′31″		
W234					
▲五凤溪 Wufengxi VOR/DME (WFX)			N30°36.4′ E104°29.5′		
RNAV2	159°/--- 133	1 659		↓	Chengdu ACC
▲ATVAX			N29°30′12″ E105°01′25″		
RNAV2	164°/--- 31	1 147		↓	Chengdu ACC
▲ANLAM			N29°14′15″ E105°07′33″		
RNAV2	164°/--- 17	1 147		↓	Chengdu ACC
▲SUPUM			N29°05′32″ E105°10′53″		
RNAV2	164°/--- 122	2 394		↓	Chengdu ACC
▲NIXID			N28°03′09″ E105°34′27″		
W235					
▲金堂 Jintang VOR/DME (JTG)			N30°52.3′ E104°23.4′		
RNAV2	094°/--- 28	1 646		↓	Chengdu ACC
▲VIMAM			N30°51′54″ E104°41′16″		
RNAV2	094°/--- 70	1 646		↓	Chengdu ACC
▲UBRAB			N30°50′35″ E105°25′11″		
W236					
▲金堂 Jintang VOR/DME (JTG)			N30°52.3′ E104°23.4′		
RNAV2	234°/--- 45	1 593		↓	Chengdu ACC
▲OMKEG			N30°37′38″ E104°01′24″		
RNAV2	234°/--- 10	1 184		↓	Chengdu ACC

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▲双流 Shuangliu VOR/DME (CTU)			N30°34.4′ E103°56.6′		
W237					
▲双流 Shuangliu VOR/DME (CTU)			N30°34.4′ E103°56.6′		
RNAV2	107°/--- 26	1 593		↓	Chengdu ACC
▲柏鹤寺 Baihesi VOR/DME (BHS)			N30°30.7′ E104°12.0′		
RNAV2	156°/--- 46	1 659		↓	Chengdu ACC
▲IPLOL			N30°08′22″ E104°24′36″		
RNAV2	156°/--- 100	1 473		↓	Chengdu ACC
▲IDBOR			N29°20′03″ E104°51′27″		
W238					
▲OPAMU			N29°39′06″ E107°33′39″		
RNAV2	255°/--- 69	2 634		↓	Chengdu ACC
▲MEKEP			N29°28′17″ E106°52′57″		
RNAV2	255°/--- 16	1 781		↓	Chengdu ACC
▲长生桥 Changshengqiao VOR/DME (SHC)			N29°25.9′ E106°43.7′		
W239					
▲POVUN			N30°13′50″ E109°48′32″		
RNAV2	292°/--- 21	2 630		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲恩施 Enshi VOR/DME (ENH)			N30°17.5′ E109°36.1′		
RNAV2	247°/--- 68	2 581		↓	恩施 Enshi VOR/DME: Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) TEPOT : Chengdu ACC
▲TEPOT			N30°01′45″ E108°58′01″		

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W240					
▲KIGUM			N30°13′23″ E108°55′38″		
RNAV2	086°/--- 65	2 600		↓	KIGUM : Chengdu ACC 恩施 Enshi VOR/DME: Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲恩施 Enshi VOR/DME (ENH)			N30°17.5′ E109°36.1′		
W241					
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		
RNAV2	241°/--- 17	1 695		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ATSUD			N30°27′15″ E111°21′26″		
W242					
▲OVRAL			N32°45′45″ E104°35′17″		
RNAV2	114°/294° 81	4 595		↓↑	Lanzhou ACC
▲OLBAS			N32°29′28″ E105°23′27″		
RNAV2	114°/294° 30	2 701		↓↑	Chengdu ACC
▲广元 Guangyuan VOR/DME (GYN)			N32°23.2′ E105°41.4′		
RNAV2	098°/278° 93	2 715		↓↑	Chengdu ACC
▲IGLEX			N32°18′19″ E106°40′28″		
RNAV2	098°/278° 49	2 715		↓↑	IGLEX : Chengdu ACC AGULU : Xi'an ACC
▲AGULU			N32°15′43″ E107°11′31″		

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RNAV2	172°/352° 101	2 568		↓↑	AGULU : Xian ACC SANUK : Chengdu ACC
▲SANUK			N31°22′19″ E107°23′31″		
W243					
▲ENVAV			N38°46′33″ E118°22′40″		
	031°/211° 27	604		↓↑	Beijing ACC
▲OTBUL			N38°59′47″ E118°29′53″		
W244					
△PAMRU			N39°04′43″ E117°22′26″		
RNAV2	123°/303° 63	1 130		↓↑	Beijing ACC
▲IGMOR			N38°49′51″ E118°01′54″		
W246					
▲三峡 Sanxia VOR/DME (YIH)			N30°32.1′ E111°30.4′		
RNAV2	199°/019° 7	1 234		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲KAKSU			N30°28′18″ E111°29′07″		
RNAV2	179°/359° 126	1 601		↓↑	KAKSU : Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below) KALMU : Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲KALMU			N29°20′27″ E111°34′47″		
RNAV2	179°/359° 55	1 227		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲常德 Changde NDB (CD)			N28°50.9′ E111°37.3′		
W247					

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲SELGO			N40°28′41″ E113°05′11″		
RNAV2	149°/329° 19	2 497		↓↑	Beijing ACC
▲AKNUX			N40°20′20″ E113°13′16″		
RNAV2	149°/329° 39	2 744		↓↑	Beijing ACC
▲倍加皂 Beijiazao VOR/DME (BJZ)			N40°03.3′ E113°29.6′		
RNAV2	142°/322° 103	3 021		↓↑	Beijing ACC
▲MUGUT			N39°23′03″ E114°19′05″		
W260					
▲BIGOR			N30°16′50″ E100°00′00″		
RNP4	252°/072° 92	6 497		↓↑	Chengdu ACC
▲VAMSI			N30°00′30″ E099°06′00″		
RNP4	263°/083° 343	6 779		↓↑	VAMSI: Chengdu ACC ENPAT: Lhasa ACC
▲ENPAT			N29°35′14″ E095°35′09″		
RNP4	315°/135° 82	7 669		↓↑	Lhasa ACC
▲GOMON			N30°05′49″ E094°58′29″		
W261					
▲OMGEV			N30°50′11″ E095°44′01″		
RNP4	222°/042° 110	6 911		↓↑	Lhasa ACC
▲GOMON			N30°05′49″ E094°58′29″		
RNP4	215°/035° 89	7 669		↓↑	Lhasa ACC
▲嘎玛 Gama VOR/DME (GMM)			N29°25.8′ E094°27.3′		

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RNP4	264°/084° 183	6 550		↓↑	Lhasa ACC
▲DUMIX			N29°14′00″ E092°35′10″		
W262					
▲IBVUL			N30°17′56″ E096°00′30″		
RNP4	208°/028° 89	6 632		↓↑	Lhasa ACC
▲ENPAT			N29°35′14″ E095°35′09″		
W500					
▲拉萨 Lhasa VOR/DME (LXA)			N29°17.8′ E090°59.9′		
	094°/274° 75	6 124		↓↑	Lhasa ACC
▲泽当 Zedang NDB (DM)			N29°15.3′ E091°45.9′		
	057°/237° 50	6 886		↓↑	Lhasa ACC
▲OPUNO			N29°30′18″ E092°11′38″		
	057°/237° 101	6 886		↓↑	Lhasa ACC
▲TAPUN			N30°00′12″ E093°04′30″		
W501					
▲KEVAR			N22°37′30″ E113°48′36″		
	028°/208° 33	1 397		↓↑	Guangzhou ACC
▲IDUMA			N22°53′47″ E113°57′06″		
参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENZHEN/Baoan airport.					
W502					
▲栎社 Lishe NDB (BK)			N29°53.7′ E121°20.0′		
RNAV1	309°/129° 23	1 576		↓↑	Shanghai ACC

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▲AVGOM			N30°00′43″ E121°08′12″		
RNAV1	039°/219° 32	1 496		↓↑	Shanghai ACC
▲VAVSA			N30°15′17″ E121°19′09″		
RNAV1	039°/219° 13	1 046		↓↑	Shanghai ACC
▲GOVNI			N30°21′16″ E121°23′40″		
W503					
▲GUMAL			N30°02′07″ E119°46′25″		
RNAV2	214°/034° 23	1 847		↓↑	GUMAL : Shanghai ACC DUBGO : Shanghai ACC(Above 6000m)
▲DUBGO			N29°51′19″ E119°39′53″		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W504					
▲GUMAL			N30°02′07″ E119°46′25″		
RNAV2	230°/--- 62	1 847		↓	GUMAL : Shanghai ACC ABVIL : Shanghai ACC(Above 6000m)
▲ABVIL			N29°38′30″ E119°18′54″		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W505					
▲党山 Dangshan VOR/DME (DSH)			N30°08.9′ E120°30.1′		
RNAV2	118°/298° 37	1 249		↓↑	Shanghai ACC
▲SUPAR			N30°01′23″ E120°51′29″		

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参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W506					
▲杭州 Hangzhou VOR/DME (HGH)			N30°14.4′ E120°27.7′		
RNAV2	115°/295° 51	1 249		↓↑	Shanghai ACC
▲OKTUG			N30°05′19″ E120°57′37″		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W507					
▲党山 Dangshan VOR/DME (DSH)			N30°08.9′ E120°30.1′		
RNAV2	243°/063° 61	1 847		↓↑	Shanghai ACC
▲MOLGU			N29°51′00″ E119°58′00″		
RNAV2	237°/057° 39	1 847		↓↑	Shanghai ACC
▲UGAGO			N29°37′39″ E119°39′02″		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W508					
▲闻堰 Wenyan NDB (WY)			N30°07.3′ E120°12.1′		
RNAV2	246°/066° 60	1 847		↓↑	Shanghai ACC
▲DUBGO			N29°51′19″ E119°39′53″		
参阅杭州/萧山机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HANGZHOU/Xiaoshan airport.					
W509					
▲南朗 Nanlang VOR/DME (NLG)			N22°31.9′ E113°33.7′		
	070°/250° 27	1 187		↓↑	Guangzhou ACC
▲KEVAR			N22°37′30″ E113°48′36″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	070°/250° 25	1 543		↓↑	Guangzhou ACC
▲GUBLO			N22°42′36″ E114°02′05″		
参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENZHEN/Baoan airport.					
W510					
▲IGDAG			N30°03′57″ E092°34′38″		
	098°/278° 48	6 715		↓↑	Lhasa ACC
▲TAPUN			N30°00′12″ E093°04′30″		
	098°/278° 84	6 715		↓↑	Lhasa ACC
▲ELNUN			N29°53′44″ E093°56′27″		
W511					
▲沈阳 Shenyang VOR/DME (SEY)			N41°38.5′ E123°28.7′		
RNAV2	235°/055° 21	950		↓↑	Shenyang ACC
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
W512					
▲沈阳 Shenyang VOR/DME (SEY)			N41°38.5′ E123°28.7′		
RNAV2	080°/260° 23	1 120		↓↑	Shenyang ACC
▲王滨沟 Wangbingou NDB (KY)			N41°42.3′ E123°44.8′		
RNAV2	142°/322° 48	1 711		↓↑	Shenyang ACC
▲BIDIB			N41°24′24″ E124°09′48″		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
W514					

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▲洛川 Luochuan VOR/DME (WJC)			N35°46.7′ E109°22.6′		
RNAV2	202°/022° 112	2 248		↓↑	Xi'an ACC
▲觅子 Mizi VOR/DME (MIZ)			N34°49.2′ E108°59.7′		
RNAV2	199°/019° 26	2 332		↓↑	Xi'an ACC
▲三原 Sanyuan NDB (OD)			N34°35.9′ E108°54.9′		
参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of XI'AN/Xianyang airport.					
W521					
▲芦冲 Luchong NDB (SV)			N28°13.0′ E113°20.9′		
	169°/349° 15	1 411		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲ESBIX			N28°05′00″ E113°23′18″		
	169°/349° 19	1 417		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲POXIB			N27°55′01″ E113°26′14″		
	169°/349° 31	1 417		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲醴陵 Liling VOR/DME (LIG)			N27°38.9′ E113°31.0′		
参阅长沙/黄花机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHANGSHA/Huanghua airport.					
W522					
▲IGELA			N30°23′08″ E093°35′59″		
	250°/070° 61	7 300		↓↑	Lhasa ACC
▲NINAP			N30°11′55″ E092°59′54″		
	250°/070° 43	6 653		↓↑	Lhasa ACC
▲IGDAG			N30°03′57″ E092°34′38″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	250°/070° 77	6 330		↓↑	Lhasa ACC
▲NOPIR			N29°49′44″ E091°49′20″		
	250°/070° 51	6 457		↓↑	Lhasa ACC
▲IDBON			N29°40′24″ E091°19′30″		
	217°/037° 52	6 169		↓↑	Lhasa ACC
▲拉萨 Lhasa VOR/DME (LXA)			N29°17.8′ E090°59.9′		
W523					
▲奇峰岭 Qifengling NDB (Y)			N25°10.3′ E110°19.1′		
	143°/323° 72	2 301	10	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲二塘 Ertang NDB (QP)			N24°40.2′ E110°46.6′		
参阅桂林/两江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUILIN/Liangjiang airport.					
W524					
▲奇峰岭 Qifengling NDB (Y)			N25°10.3′ E110°19.1′		
	317°/137° 37	2 301	10	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲五通 Wutong NDB (PA)			N25°24.3′ E110°03.6′		
	314°/134° 61	2 404	10	↓↑	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
▲三江 Sanjiang VOR/DME (SJG)			N25°46.6′ E109°36.6′		
参阅桂林/两江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUILIN/Liangjiang airport.					
W525					
▲淮安 Huaian VOR/DME (HUN)			N33°46.4′ E119°06.6′		
	233°/053° 51	643		↓↑	Shanghai ACC
▲LAGAL			N33°28′02″ E118°42′20″		

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参阅淮安/涟水机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HUAIAN/Lianshui airport.					
W526					
▲DUMIX			N29°14′00″ E092°35′10″		
	029°/209° 98	6 715		↓↑	Lhasa ACC
▲TAPUN			N30°00′12″ E093°04′30″		
W527					
▲博鳌 Boao VOR/DME (DBA)			N19°09.7′ E110°26.5′		
	272°/092° 53	2 011		↓↑	Sanya ACC
▲IDUPU			N19°09′47″ E109°56′10″		
	272°/092° 22	2 373		↓↑	Sanya ACC
▲GULUN			N19°09′46″ E109°43′34″		
参阅琼海/博鳌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QIONGHAI/Boao airport.					
W528					
▲博鳌 Boao VOR/DME (DBA)			N19°09.7′ E110°26.5′		
	293°/113° 48	1 871		↓↑	Sanya ACC
▲DOBVI			N19°18′56″ E110°00′34″		
	293°/113° 20	2 011		↓↑	Sanya ACC
▲ANPIM			N19°22′44″ E109°49′49″		
参阅琼海/博鳌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QIONGHAI/Boao airport.					
W529					
▲连云港 Lianyungang VOR/DME (GFK)			N34°23.5′ E119°09.9′		
RNAV1	213°/033° 25	1 105		↓↑	Shanghai ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲KAPGU			N34°11′26″ E119°02′42″		
RNAV1	254°/074° 24	861		↓↑	Shanghai ACC
▲RUXEL			N34°06′38″ E118°48′30″		
RNAV1	274°/094° 59	728		↓↑	Shanghai ACC
▲SAGIP			N34°05′20″ E118°09′49″		
RNAV1	274°/094° 32	807		↓↑	Shanghai ACC
▲姚集 Yaoji NDB (DO)			N34°04.5′ E117°48.7′		
W530					
▲EMRAL			N29°06′00″ E115°50′00″		
RNP1	207°/--- 54	1 555		↓	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲ANONU			N28°39′11″ E115°37′08″		
RNP1	229°/049° 31	1 549		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△BIRIR			N28°27′11″ E115°23′42″		
RNP1	229°/049° 17	1 093		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲LEPMI			N28°20′30″ E115°16′13″		
RNP1	229°/049° 17	976		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△GUTGO			N28°13′59″ E115°08′57″		
参阅南昌/昌北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANCHANG/Changbei airport.					
W531					
▲OSONO			N27°45′52″ E115°39′17″		
RNP1	347°/167° 81	1 769		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
△BIRIR			N28°27′11″ E115°23′42″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅南昌/昌北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANCHANG/Changbei airport.					
W532					
▲昌北 Changbei VOR/DME (NCH)			N28°53.1′ E115°54.7′		
	028°/208° 40	1 305		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PUGIN			N29°12′47″ E116°04′21″		
	298°/118° 34	2 074		↓↑	Shanghai ACC(Above 7800m) Nanchang ACC(7800m or below)
▲PEXEK			N29°20′00″ E115°45′06″		
参阅南昌/昌北机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANCHANG/Changbei airport.					
W533					
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		
RNAV1	074°/--- 75	1 811		↓	Guangzhou ACC
▲BOVMA			N23°49′15″ E114°16′58″		
参阅广州/白云机场标准仪表离场程序。 Refer SID of GUANGZHOU/Baiyun airport.					
W534					
▲从化 Conghua VOR/DME (CON)			N23°35.3′ E113°35.2′		
RNAV1	089°/--- 76	1 811		↓	Guangzhou ACC
▲龙门 Longmen VOR/DME (LMN)			N23°38.9′ E114°19.6′		
参阅广州/白云机场标准仪表离场程序。 Refer SID of GUANGZHOU/Baiyun airport.					
W535					
▲丽江 Lijiang VOR/DME (LJA)			N26°46.4′ E100°16.4′		
	106°/286° 46	4 553		↓↑	Kunming ACC
▲程海 Chenghai VOR/DME (CEH)			N26°39.9′ E100°43.2′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅丽江/三义机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LIJIANG/Sanyi airport.					
W536					
▲OSPAM			N29°05′08″ E119°37′13″		
	060°/240° 48	1 912		↓↑	Shanghai ACC
▲义乌 Yiwu VOR/DME (YEU)			N29°19.9′ E120°01.9′		
	074°/254° 82	1 795		↓↑	Shanghai ACC
▲嵊州 Shengzhou VOR/DME (SHZ)			N29°36.0′ E120°49.0′		
参阅义乌/义乌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YIWU/Yiwu airport.					
W537					
▲义乌 Yiwu VOR/DME (YEU)			N29°19.9′ E120°01.9′		
	316°/136° 45	1 847		↓↑	Shanghai ACC(Above 6000m)
▲UPVOM			N29°35′57″ E119°41′14″		
	316°/136° 5	1 847		↓↑	Shanghai ACC(Above 6000m)
▲UGAGO			N29°37′39″ E119°39′02″		
参阅义乌/义乌机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YIWU/Yiwu airport.					
W538					
▲满洲里 Manzhouli VOR/DME (MZL)			N49°19.7′ E117°38.7′		
	112°/292° 34	1 655		↓↑	Harbin ACC
▲KAGAK			N49°16′00″ E118°06′00″		
参阅满洲里/西郊机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of MANZHOULI/Xijiao airport.					
W539					
▲满洲里 Manzhouli VOR/DME (MZL)			N49°19.7′ E117°38.7′		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	343°/163° 32	1 740		↓↑	Harbin ACC
△MANLI			N49°35′00″ E117°27′00″		
参阅满洲里/西郊机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of MANZHOULI/Xijiao airport.					
W540					
▲龙枣村 Longzaocun VOR/DME (LCZ)			N34°27.1′ E108°47.6′		
RNAV2	350°/170° 35	2 214		↓↑	Xi'an ACC
▲DOVOP			N34°45′26″ E108°42′30″		
RNAV2	021°/201° 127	2 454		↓↑	Xi'an ACC
▲LOVRA			N35°50′45″ E109°08′23″		
RNAV2	030°/210° 71	2 151		↓↑	Xi'an ACC
▲南泥湾 Nanniwan VOR/DME (NNW)			N36°25.2′ E109°29.1′		
龙枣村 VOR 至 LOVRA 段参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Segment BTN Longzaocun VOR'LCZ' and LOVRA refer STAR/SID of XI'AN/Xianyang airport.					
W541					
▲DOVOP			N34°45′26″ E108°42′30″		
RNAV2	315°/135° 99	2 454		↓↑	Xi'an ACC
▲TEBIB			N35°21′09″ E107°53′54″		
RNAV2	315°/135° 26	2 454		↓↑	Xi'an ACC
▲ADNEN			N35°30′25″ E107°41′14″		
DOVOP-TEBIB 参阅西安/咸阳机场标准仪表进场/标准仪表离场程序。 Segment BTN DOVOP and TEBIB refer STAR/SID of XI'AN/Xianyang airport.					
W543					
▲半塔集 Bantaji NDB (OF)			N32°40.4′ E118°34.7′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	199°/019° 20	849		↓↑	Shanghai ACC
▲AKSIG			N32°30′00″ E118°32′00″		
RNAV2	175°/355° 64	1 068		↓↑	Shanghai ACC
▲MABOS			N31°55′59″ E118°39′34″		
RNAV2	175°/355° 14	1 078		↓↑	Shanghai ACC
△XOGAX			N31°48′44″ E118°41′10″		
RNAV2	175°/355° 16	1 078		↓↑	Shanghai ACC
▲小丹阳 Xiaodanyang VOR/DME (XDY)			N31°40.0′ E118°43.0′		
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W545					
▲ESBAG			N31°37′13″ E119°40′23″		
RNAV2	294°/114° 71	1 011		↓↑	Shanghai ACC
▲DOGVI			N31°49′14″ E118°57′50″		
RNAV2	291°/111° 11	981		↓↑	Shanghai ACC
▲秣陵 Moling VOR/DME (MLJ)			N31°50.7′ E118°51.3′		
RNAV2	270°/090° 53	1 078		↓↑	Shanghai ACC
▲VEMEX			N31°47′42″ E118°18′04″		
W546					
▲OREVO			N31°40′00″ E118°10′30″		
RNAV2	096°/276° 51	1 078		↓↑	Shanghai ACC
▲小丹阳 Xiaodanyang VOR/DME (XDY)			N31°40.0′ E118°43.0′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	093°/273° 24	1 078		↓↑	Shanghai ACC
▲石湫 Shiqiu VOR/DME (SNQ)			N31°40.8′ E118°58.1′		
RNAV2	125°/305° 28	1 078		↓↑	Shanghai ACC
▲GOSRO			N31°33′24″ E119°13′20″		
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W547					
▲晋江 Jinjiang VOR/DME (JNJ)			N24°48.1′ E118°35.8′		
RNAV2	248°/068° 64	1 728		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲杏林 Xinglin VOR/DME (XLN)			N24°33.9′ E118°00.9′		
参阅泉州/晋江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QUANZHOU/Jinjiang airport.					
W548					
▲晋江 Jinjiang VOR/DME (JNJ)			N24°48.1′ E118°35.8′		
RNAV2	007°/187° 32	1 435		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ATSAB			N25°05′36″ E118°37′06″		
参阅泉州/晋江机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of QUANZHOU/Jinjiang airport.					
W550					
▲ALDEL			N30°08′20″ E107°11′27″		
RNAV1	341°/--- 37	2 034		↓	Chengdu ACC
▲SOSLI			N30°26′51″ E107°03′02″		
RNAV1	341°/--- 6	2 034		↓	Chengdu ACC
▲ORUKA			N30°29′42″ E107°01′44″		

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RNAV1	341°/161° 6	1 948		↓↑	Chengdu ACC
▲SULEP			N30°32′37″ E107°00′25″		
RNAV1	304°/124° 10	1 919		↓↑	Chengdu ACC
▲OTLOS			N30°35′29″ E106°54′52″		
RNAV1	---/123° 50	1 841		↑	Chengdu ACC
▲VELPU			N30°49′19″ E106°27′51″		
ALDEL 至 SOSLI 段参阅重庆/江北机场标准仪表离场程序。 Segment BTN ALDEL and SOSLI refer SID of CHONGQING/Jiangbei airport.					
W552					
▲BIGRO			N21°34′12″ E111°49′36″		
	077°/--- 79	1 468		↓	Guangzhou ACC
▲LOVTA			N21°44′53″ E112°34′13″		
	077°/--- 25	1 468		↓	Guangzhou ACC
▲OBLAN			N21°48′20″ E112°48′24″		
	077°/--- 21	1 468		↓	Guangzhou ACC
▲GURIN			N21°51′04″ E113°00′00″		
	077°/--- 31	1 468		↓	Guangzhou ACC
▲高栏 Gaolan NDB (UJ)			N21°55.2′ E113°17.6′		
	114°/--- 17	1 081		↓	Guangzhou ACC
▲ROMEO			N21°51′48″ E113°26′54″		
W553					
▲高栏 Gaolan NDB (UJ)			N21°55.2′ E113°17.6′		

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	030°/--- 38	1 181		↓	Guangzhou ACC
▲连胜围 Lianshengwei VOR/DME (ZUH)			N22°13.3′ E113°28.0′		
参阅深圳/宝安机场标准仪表进场/标准仪表离场程序。 Refer STAR of SHENZHEN/Baoan airport.					
W558					
▲SUROS			N41°03′49″ E112°15′49″		
RNAV2	168°/348° 53	2 904		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲URDOG			N40°36′41″ E112°27′27″		
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W559					
▲TODAM			N39°29′31″ E112°12′03″		
	004°/184° 66	2 701		↓↑	TODAM : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) IGPET : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IGPET			N40°05′09″ E112°10′54″		
	004°/184° 49	2 904		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲EGANA			N40°31′40″ E112°10′01″		
	320°/140° 15	2 904		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲UBSEV			N40°37′16″ E112°02′29″		
	320°/140° 17	2 904		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W560					
▲TODAM			N39°29′31″ E112°12′03″		
	351°/171° 53	2 701		↓↑	TODAM : Beijing ACC(Above 7800m) Taiyuan ACC(7800m or below) AKVOD : Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲AKVOD			N39°57′15″ E112°02′49″		
	351°/171° 51	2 600		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LAXIB			N40°23′57″ E111°53′49″		
	351°/171° 16	2 600		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲IRVAG			N40°32′07″ E111°51′02″		
	017°/197° 22	2 597		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲呼和浩特 Hohhot VOR/DME (HET)			N40°43.5′ E111°54.0′		
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W561					
▲土木尔台 Tumurtai VOR/DME (TMR)			N41°50.6′ E113°09.2′		
	274°/094° 21	2 360		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲BUTPO			N41°50′09″ E112°54′15″		
	226°/046° 130	2 816		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲PADSA			N40°56′46″ E111°53′55″		

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参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HOHHOT/Baita airport.					
W562					
▲UKMIS			N38°07′05″ E115°25′51″		
RNAV2	100°/280° 12	638		↓↑	Beijing ACC
▲AVLUV			N38°06′37″ E115°34′01″		
RNAV2	095°/275° 28	633		↓↑	Beijing ACC
▲IGMUD			N38°06′57″ E115°53′13″		
RNAV2	097°/277° 43	624		↓↑	Beijing ACC
▲BUVMA			N38°06′47″ E116°22′43″		
RNAV2	097°/277° 27	616		↓↑	Beijing ACC
▲OVNUG			N38°06′37″ E116°41′32″		
W563					
▲牛岭 Niuling VOR/DME (JCS)			N23°35.9′ E116°24.7′		
	005°/185° 63	2 159		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲VETIB			N24°09′36″ E116°26′09″		
参阅揭阳/潮汕机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JIEYANG/Chaoshan airport.					
W564					
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
RNAV2	032°/212° 83	3 868	20	↓↑	Lanzhou ACC
▲景泰 Jingtai VOR/DME (JTA)			N37°11.8′ E104°04.8′		
W565					
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		

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RNAV2	125°/305° 54	3 009	14	↓↑	Lanzhou ACC
▲XIXAN			N36°16′46″ E104°07′29″		
W567					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
	318°/138° 47	900		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OLRED			N37°07′05″ E116°49′09″		
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					
W568					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
	121°/301° 15	1 427		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲LEDOV			N36°46′30″ E117°22′06″		
	186°/006° 86	2 098		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲ABTUB			N36°00′02″ E117°22′04″		
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					
W569					
▲济南 Jinan VOR/DME (YQG)			N36°50.0′ E117°12.9′		
RNAV2	023°/203° 61	900		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲NOBUP			N37°21′16″ E117°25′00″		
参阅济南/遥墙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of JINAN/Yaoqiang airport.					
W570					
▲GUXUV			N32°11′18″ E116°43′42″		
RNAV2	168°/348° 12	654		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲茶庵 Cha'an VOR/DME (HFC)			N32°04.8′ E116°46.1′		
RNAV2	157°/337° 50	1 197		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲UXALO			N31°41′04″ E117°00′30″		
RNAV2	157°/337° 9	1 197		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲KIKEG			N31°36′52″ E117°03′03″		
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					
W571					
▲SEGPI			N32°32′00″ E117°16′00″		
RNAV2	228°/048° 43	943		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
△AKAMI			N32°15′00″ E116°57′10″		
RNAV2	228°/048° 13	943		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲NOKUL			N32°09′48″ E116°51′25″		
RNAV2	228°/048° 12	943		↓↑	Shanghai ACC(Above 7800m) Hefei ACC(7800m or below)
▲茶庵 Cha'an VOR/DME (HFC)			N32°04.8′ E116°46.1′		
参阅合肥/新桥机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HEFEI/Xinqiao airport.					
W573					
▲VENOS			N38°54′10″ E122°19′36″		
	283°/103° 66	1 263		↓↑	Dalian ACC
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W574					
△DOBGA			N38°24′47″ E121°27′31″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	040°/--- 58	860		↓	Dalian ACC
▲OGIPO			N38°51′06″ E121°49′31″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W575					
▲ANRAT			N38°39′30″ E119°57′24″		
	135°/--- 22	600		↓	Dalian ACC
▲LOTGO			N38°32′02″ E120°09′32″		
	109°/--- 10	802		↓	Dalian ACC
▲GOTSU			N38°30′58″ E120°16′01″		
	109°/--- 22	802		↓	Dalian ACC
▲INTIV			N38°28′29″ E120°31′11″		
	109°/--- 50	802		↓	Dalian ACC
▲TANIB			N38°22′54″ E121°05′13″		
	069°/--- 16	755		↓	Dalian ACC
▲NUNDU			N38°26′51″ E121°14′45″		
	069°/--- 26	755		↓	Dalian ACC
▲PATRI			N38°33′27″ E121°30′42″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W576					
▲EKULI			N38°32′38″ E121°12′57″		
RNAV2	290°/--- 56	1 065		↓	Dalian ACC

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▲BUBLO			N38°38′51″ E120°35′10″		
RNAV2	290°/--- 34	1 065		↓	Dalian ACC
▲ORAVA			N38°42′36″ E120°12′21″		
RNAV2	220°/--- 37	600		↓	Dalian ACC
▲OVTUP			N38°25′56″ E119°58′50″		
W577					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
	149°/--- 96	1 004		↓	Dalian ACC
▲POVAG			N38°16′44″ E122°15′04″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W578					
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
	221°/--- 56	1 065		↓	Dalian ACC
▲EKULI			N38°32′38″ E121°12′57″		
	240°/--- 54	1 065		↓	Dalian ACC
▲KARPI			N38°15′00″ E120°43′02″		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W579					
▲SANKO			N38°15′00″ E122°27′12″		
	356°/--- 18	600		↓	Dalian ACC
▲RUPID			N38°24′29″ E122°24′40″		
	333°/--- 38	600		↓	Dalian ACC

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▲UDETI			N38°41′30″ E122°09′36″		
	309°/--- 34	1 263		↓	Dalian ACC
▲OGIPO			N38°51′06″ E121°49′31″		
	307°/--- 25	1 263		↓	Dalian ACC
▲大连 Dalian VOR/DME (DBL)			N38°57.7′ E121°34.2′		
参阅大连/周水子机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of DALIAN/Zhoushuizi airport.					
W581					
▲石湫 Shiqiu VOR/DME (SNQ)			N31°40.8′ E118°58.1′		
RNAV2	101°/281° 67	1 058		↓↑	Shanghai ACC
▲ESBAG			N31°37′13″ E119°40′23″		
参阅南京/禄口机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANJING/Lukou airport.					
W582					
▲XUTGU			N32°27′50″ E119°34′32″		
RNAV2	173°/353° 60	900		↓↑	Shanghai ACC
▲奔牛 Benniu NDB (ZJ)			N31°56.5′ E119°42.6′		
参阅常州/奔牛机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of CHANGZHOU/Benniu airport.					
W583					
▲硕放 Shuofang VOR/DME (SUF)			N31°29.9′ E120°25.9′		
RNAV2	121°/301° 96	1 232		↓↑	Shanghai ACC
▲九亭 Jiuting VOR/DME (JTN)			N31°07.4′ E121°20.5′		
参阅无锡/硕放机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUXI/Shuofang airport.					
W584					

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▲黄平 Huangping VOR/DME (KHP)			N26°58.4′ E107°59.5′		
	263°/--- 22	2 071		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
△ESBAM			N26°56′18″ E107°46′38″		
	263°/--- 76	2 279		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲LIKRI			N26°49′03″ E107°01′19″		
	217°/--- 40	2 496		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲贵阳 Guiyang VOR/DME (KWE)			N26°31.4′ E106°47.7′		
ESBAM-贵阳 VOR 段参阅贵阳/龙洞堡机场标准仪表进场程序。 Segment ESBAM to Guiyang VOR refer STAR of GUIYANG/Longdongbao airport.					
W585					
▲贵阳 Guiyang VOR/DME (KWE)			N26°31.4′ E106°47.7′		
	090°/--- 157	2 600		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲UGUGU			N26°35′01″ E108°22′10″		
参阅贵阳/龙洞堡机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of GUIYANG/Longdongbao airport.					
W586					
▲铜仁 Tongren VOR/DME (TRN)			N27°52.1′ E109°17.6′		
RNAV2	235°/--- 151	2 216		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
△OVPOR			N27°02′16″ E108°05′15″		
RNAV2	235°/--- 12	2 216		↓	Chengdu ACC(Above 7800m) Guiyang ACC(7800m or below)
▲黄平 Huangping VOR/DME (KHP)			N26°58.4′ E107°59.5′		
W587					
▲蓬莱 Penglai VOR/DME (YCS)			N37°40.7′ E121°00.0′		
	342°/162° 40	1 099		↓↑	Qingdao ACC

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▲IGDEG			N38°00′22″ E120°48′18″		
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W588					
▲蓬莱 Penglai VOR/DME (YCS)			N37°40.7′ E121°00.0′		
	---/143° 53	1 099		↑	Qingdao ACC
▲GUMED			N38°01′00″ E120°34′20″		
	---/152° 32	746		↑	Qingdao ACC
▲OSVEN			N38°15′00″ E120°21′10″		
GUMED 至蓬莱 VOR 段参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Segment BTN GUMED and Penglai VOR Refer STAR/SID of YANTAI/Penglai airport.					
W589					
▲蓬莱 Penglai VOR/DME (YCS)			N37°40.7′ E121°00.0′		
	274°/094° 40	1 427		↓↑	Qingdao ACC
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W590					
▲蓬莱 Penglai VOR/DME (YCS)			N37°40.7′ E121°00.0′		
	156°/336° 30	1 253		↓↑	Qingdao ACC
▲屯里 Tunli NDB (FZ)			N37°27.1′ E121°10.7′		
参阅烟台/蓬莱机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANTAI/Penglai airport.					
W591					
▲南通 Nantong VOR/DME (NTG)			N32°05.8′ E120°58.7′		
	188°/008° 39	707		↓↑	Shanghai ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲XIREM			N31°44′42″ E120°57′31″		
参阅南通/兴东机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of NANTONG/Xingdong airport.					
W592					
▲扬州 Yangzhou VOR/DME (SJD)			N32°32.7′ E119°43.6′		
	315°/135° 69	627		↓↑	Shanghai ACC
▲NIXEM			N32°56′31″ E119°09′38″		
参阅扬州/泰州机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANGZHOU/Taizhou airport.					
W593					
▲扬州 Yangzhou VOR/DME (SJD)			N32°32.7′ E119°43.6′		
	180°/360° 33	858		↓↑	Shanghai ACC
▲PIMOL			N32°14′45″ E119°45′42″		
参阅扬州/泰州机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YANGZHOU/Taizhou airport.					
W594					
▲MILOM			N33°42′03″ E114°02′42″		
RNAV2	116°/296° 69	672		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲RUMGU			N33°28′55″ E114°44′32″		
RNAV2	136°/316° 86	653		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲EPGOS			N32°58′31″ E115°26′28″		
MILOM 至 RUMGU 段参阅郑州/新郑机场标准仪表进场/标准仪表离场程序。 Segment MILOM-RUMGU refer STAR/SID of ZHENGZHOU/Xinzheng airport.					
W595					
▲DUBAG			N34°51′46″ E113°43′46″		
	231°/--- 22	1 214		↓	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲中原 Zhongyuan VOR/DME (DZY)			N34°43.6′ E113°33.0′		
参阅郑州/新郑机场标准仪表进场程序。 Refer STAR of ZHENGZHOU/Xinzheng airport.					
W596					
▲阜阳 Fuyang VOR/DME (FYG)			N32°53.0′ E115°44.0′		
RNAV2	335°/155° 32	779		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲AVNOD			N33°07′46″ E115°33′26″		
RNAV2	316°/136° 97	754		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲UNTEL			N33°42′13″ E114°45′50″		
RNAV2	347°/167° 38	664		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲GUTUS			N34°01′52″ E114°38′13″		
RNAV2	347°/167° 13	670		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲OGOVI			N34°08′39″ E114°35′34″		
RNAV2	298°/118° 21	674		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲SUPEV			N34°13′05″ E114°22′50″		
RNAV2	298°/118° 30	741		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲尉氏 Weishi VOR/DME (DWS)			N34°19.4′ E114°04.7′		
参阅郑州/新郑机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHENGZHOU/Xinzheng airport.					
W597					
▲厦门 Xiamen VOR/DME (XMN)			N24°32.6′ E118°07.4′		
RNAV2	221°/--- 20	1 775		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ELGIT			N24°24′06″ E118°00′18″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	228°/--- 54	1 811		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲NUSPA			N24°03′12″ E117°37′52″		
RNAV2	228°/--- 33	1 649		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲BINUS			N23°50′28″ E117°24′14″		
RNAV2	256°/--- 29	1 649		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲IKATA			N23°45′54″ E117°08′10″		
参阅厦门/高崎机场标准仪表离场程序。 Refer SID of XIAMEN/Gaoqi airport.					
W598					
▲NUSPA			N24°03′12″ E117°37′52″		
RNAV2	280°/--- 79	2 094		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲DABER			N24°08′34″ E116°51′44″		
W599					
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
RNAV2	338°/--- 10	878		↓	Shenyang ACC
▲LOVKA			N41°34′58″ E123°14′02″		
RNAV2	287°/--- 93	899		↓	Shenyang ACC
▲TX402			N41°42′35″ E122°07′44″		
RNAV2	267°/--- 80	1 411		↓	Shenyang ACC
▲OMDUS			N41°34′30″ E121°11′00″		
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
W600					
▲OMDUS			N41°34′30″ E121°11′00″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	096°/--- 77	1 411		↓	Shenyang ACC
▲TX403			N41°35′56″ E122°06′25″		
RNAV2	107°/--- 94	860		↓	Shenyang ACC
▲GUMOD			N41°28′12″ E123°13′39″		
RNAV2	061°/--- 7	878		↓	Shenyang ACC
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
参阅沈阳/桃仙机场标准仪表进场程序。 Refer STAR of SHENYANG/Taoxian airport.					
W601					
▲东羊角 Dongyangjiao NDB (PU)			N41°30.4′ E123°17.5′		
RNAV2	119°/--- 27	1 212		↓	Shenyang ACC
▲TX654			N41°25′18″ E123°35′53″		
RNAV2	108°/--- 27	1 645		↓	Shenyang ACC
▲TX510			N41°22′54″ E123°55′20″		
RNAV2	154°/--- 12	1 741		↓	Shenyang ACC
▲NUTVA			N41°17′34″ E124°00′16″		
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
W602					
▲TOSID			N40°34′55″ E123°33′59″		
RNAV2	047°/--- 46	1 731		↓	Shenyang ACC
▲TX410			N40°54′35″ E123°54′22″		
RNAV2	037°/--- 47	1 811		↓	Shenyang ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲VILIX			N41°16′52″ E124°10′26″		
RNAV2	037°/--- 12	1 811		↓	Shenyang ACC
▲TX412			N41°22′27″ E124°14′29″		
RNAV2	038°/--- 55	1 729		↓	Shenyang ACC
▲OSUTU			N41°48′03″ E124°33′54″		
RNAV2	038°/--- 19	1 682		↓	Shenyang ACC
▲TX414			N41°56′54″ E124°40′40″		
RNAV2	036°/--- 23	1 682		↓	Shenyang ACC
▲TX560			N42°08′03″ E124°48′19″		
RNAV2	036°/--- 62	1 577		↓	Dalian ACC
▲TX416			N42°38′04″ E125°09′08″		
RNAV2	016°/--- 21	1 460		↓	Dalian ACC
▲LEMOT			N42°49′29″ E125°11′01″		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
W603					
▲LEMOT			N42°49′29″ E125°11′01″		
RNAV2	232°/--- 21	1 449		↓	Dalian ACC
▲TX415			N42°41′17″ E125°00′37″		
RNAV2	216°/--- 85	1 577		↓	TX415 : Dalian ACC TX413 : Shenyang ACC
▲TX413			N42°00′14″ E124°32′19″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	218°/--- 7	1 577		↓	Shenyang ACC
▲IVPUV			N41°56′50″ E124°29′43″		
RNAV2	218°/--- 58	1 681		↓	Shenyang ACC
▲TX562			N41°29′47″ E124°09′07″		
RNAV2	218°/--- 8	1 645		↓	Shenyang ACC
▲TX411			N41°25′52″ E124°06′17″		
RNAV2	217°/--- 17	1 741		↓	Shenyang ACC
▲NUTVA			N41°17′34″ E124°00′16″		
RNAV2	217°/--- 51	1 741		↓	Shenyang ACC
▲TX661			N40°53′14″ E123°42′49″		
RNAV2	217°/--- 14	1 731		↓	Shenyang ACC
▲TX409			N40°46′44″ E123°38′11″		
RNAV2	203°/--- 23	1 731		↓	Shenyang ACC
▲TOSID			N40°34′55″ E123°33′59″		
参阅沈阳/桃仙机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHENYANG/Taoxian airport.					
W604					
▲OSUTU			N41°48′03″ E124°33′54″		
RNAV2	076°/--- 18	1 682		↓	Shenyang ACC
▲LUXUK			N41°51′54″ E124°46′08″		
RNAV2	076°/--- 40	1 682		↓	Dalian ACC
▲LUMKU			N42°00′09″ E125°12′43″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅沈阳/桃仙机场标准仪表离场程序。 Refer SID of SHENYANG/Taoxian airport.					
W605					
▲GIVIV			N20°57′14″ E111°03′19″		
RNAV2	206°/--- 38	650		↓	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲ISBIG			N20°38′39″ E110°54′30″		
RNAV2	206°/--- 18	650		↓	Sanya ACC(Above 7800m) Nanning ACC(7800m or below)
▲DOMGO			N20°30′00″ E110°50′24″		
RNAV2	186°/--- 73	807		↓	Sanya ACC(Above 7200m) Haikou APP(7200m or below)
▲文昌 Wenchang VOR/DME (WCF)			N19°51.1′ E110°47.3′		
DOMGO-文昌 VOR 段参阅海口/美兰机场标准仪表进场程序。 Segment DOMGO-Wenchang VOR'WCF' refer STAR of HAIKOU/Meilan airport.					
W606					
▲满洲里 Manzhouli VOR/DME (MZL)			N49°19.7′ E117°38.7′		
	230°/050° 55	1 600		↓↑	Harbin ACC
▲IKARU			N48°57′19″ E117°08′59″		
参阅满洲里/西郊机场标准仪表进场/标准仪表离场程序。 Refer SID of MANZHOULI/Xijiao airport.					
W607					
▲谷塘 Gutang NDB (W)			N28°13.1′ E113°13.0′		
	054°/234° 37	1 960		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲AVGUT			N28°25′40″ E113°30′27″		
	054°/234° 9	2 171		↓↑	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲LUMKO			N28°28′52″ E113°34′55″		
W608					

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲浏阳 Liuyang VOR/DME (LYH)			N28°23.6′ E113°20.6′		
RNAV1/RNP1	091°/--- 13	1 905		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲LUMLU			N28°23′54″ E113°28′28″		
参阅长沙/黄花机场标准仪表进场程序。 Refer STAR of CHANGSHA/Huanghua airport.					
W609					
▲DALEP			N28°18′21″ E114°22′22″		
RNP1	276°/--- 64	2 240		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IGNEG			N28°19′30″ E113°43′29″		
参阅长沙/黄花机场标准仪表进场程序。 Refer STAR of CHANGSHA/Huanghua airport.					
W610					
▲谷塘 Gutang NDB (W)			N28°13.1′ E113°13.0′		
RNP1	254°/--- 27	1 351		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△MILOP			N28°08′06″ E112°57′18″		
参阅长沙/黄花机场标准仪表离场程序。 Refer SID of CHANGSHA/Huanghua airport.					
W611					
△IPMUG			N28°10′35″ E112°13′08″		
RNP1	282°/--- 25	1 956		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△BIVAV			N28°12′24″ E111°58′01″		
RNP1	245°/--- 49	1 956		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△IRSAS			N27°59′38″ E111°31′49″		
W613					
▲浏阳 Liuyang VOR/DME (LYH)			N28°23.6′ E113°20.6′		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	080°/--- 17	1 960		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲AVGUT			N28°25′40″ E113°30′27″		
W615					
▲AVMAD			N28°03′17″ E113°42′14″		
RNAV1/RNP1	188°/--- 1	1 431		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△VAKDO			N28°02′29″ E113°42′10″		
RNAV1/RNP1	188°/--- 45	1 548		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲APESO			N27°38′34″ E113°40′02″		
RNAV1/RNP1	182°/--- 21	1 672		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲PUBIK			N27°27′16″ E113°40′20″		
RNAV1/RNP1	176°/--- 25	1 942		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲UBMOG			N27°13′55″ E113°42′28″		
RNAV1/RNP1	176°/--- 55	1 942		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲IDAXI			N26°44′32″ E113°47′09″		
AVMAD-UBMOG 段参阅长沙/黄花机场标准仪表离场程序。 Segment between AVMAD and UBMOG refer SID of CHANGSHA/Huanghua airport					
W616					
▲MEXON			N27°15′00″ E113°30′25″		
RNAV1/RNP1	346°/--- 29	1 942		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲XINUL			N27°29′53″ E113°24′58″		
RNAV1/RNP1	003°/--- 17	1 412		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲UKLUK			N27°39′14″ E113°24′50″		

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RNAV1/RNP1	008°/--- 18	1 417		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲VANPI			N27°49′00″ E113°25′42″		
RNAV1/RNP1	339°/--- 49	1 417		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
▲谷塘 Gutang NDB (W)			N28°13.1′ E113°13.0′		
UKLUK-谷塘 NDB 段参阅长沙/黄花机场标准仪表进场程序。 Segments between UKLUK and Gutang NDB'W' refer STAR of CHANGSHA/Huanghua airport.					
W617					
△IPMUG			N28°10′35″ E112°13′08″		
RNP1	317°/--- 33	1 846		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△AVKOK			N28°22′40″ E111°58′33″		
W618					
△AVNEL			N27°29′50″ E111°48′39″		
RNP1	024°/--- 38	2 085		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△VIMEN			N27°49′16″ E111°56′49″		
RNP1	061°/--- 35	1 610		↓	Guangzhou ACC(Above 7800m) Changsha ACC(7800m or below)
△SEBMO			N27°59′34″ E112°14′44″		
W619					
▲嘉峪关 Jiayuguan VOR/DME (CHW)			N39°51.3′ E098°21.0′		
RNAV2	261°/081° 70	5 095		↓↑	Lanzhou ACC
▲BILDA			N39°45′13″ E097°32′35″		
RNAV2	174°/354° 7	5 413		↓↑	Lanzhou ACC
▲BOKIV			N39°41′36″ E097°33′10″		
RNAV2	174°/354° 52	5 709		↓↑	Lanzhou ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲OMGUP			N39°13′46″ E097°37′33″		
RNAV2	174°/354° 32	5 768		↓↑	Lanzhou ACC
▲MULRU			N38°56′21″ E097°40′09″		
W620					
▲BIKNO			N40°54′54″ E093°50′53″		
RNAV2	---/314° 118	2 540		↑	Lanzhou ACC
▲敦煌 Dunhuang VOR/DME (DNH)			N40°09.8′ E094°50.7′		
RNAV2	139°/--- 31	3 075		↓	Lanzhou ACC
▲TOSAP			N39°57′24″ E095°04′48″		
W621					
▲MOVBI			N40°45′28″ E093°37′13″		
RNAV2	122°/--- 123	2 540		↓	Lanzhou ACC
▲敦煌 Dunhuang VOR/DME (DNH)			N40°09.8′ E094°50.7′		
RNAV2	---/261° 26	2 504		↑	Lanzhou ACC
▲NIXUK			N40°12′00″ E095°08′43″		
W622					
▲兰州 Lanzhou VOR/DME (DNC)			N36°32.5′ E103°37.1′		
RNAV2	328°/--- 53	4 407		↓	Lanzhou ACC
▲BUKPU			N36°56′13″ E103°17′02″		
参阅兰州/中川机场标准仪表离场程序。 Refer SID of LANZHOU/Zhongchuan airport.					
W623					
▲LOVTI			N37°43′05″ E115°49′25″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	315°/135° 43	637		↓↑	Beijing ACC
▲LIKTI			N37°57′44″ E115°26′16″		
RNAV2	326°/146° 18	649		↓↑	Beijing ACC
▲ALBOD			N38°05′10″ E115°18′04″		
RNAV2	326°/146° 14	756		↓↑	Beijing ACC
▲URKED			N38°11′00″ E115°11′42″		
RNAV2	270°/090° 35	772		↓↑	Beijing ACC
▲DALUP			N38°09′10″ E114°48′05″		
RNAV2	334°/154° 17	816		↓↑	Beijing ACC
▲正定 Zhengding VOR/DME (SJW)			N38°16.8′ E114°41.9′		
RNAV2	333°/153° 23	1 074		↓↑	Beijing ACC
▲行唐 Xingtang NDB (OC)			N38°27.3′ E114°33.3′		
LIKTI-行唐 NDB 段参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 LIKTI-XINGTANG NDB refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
W624					
▲UKMIS			N38°07′05″ E115°25′51″		
RNAV2	115°/295° 13	638		↓↑	Beijing ACC
▲IGMES			N38°04′48″ E115°34′05″		
RNAV2	135°/315° 32	633		↓↑	Beijing ACC
▲OTKAB			N37°54′00″ E115°51′12″		
W625					
▲LEGAG			N44°52′15″ E124°55′40″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	065°/245° 31	913		↓↑	Harbin ACC
▲DUBIK			N45°02′01″ E125°15′17″		
	087°/267° 31	850		↓↑	Harbin ACC
▲EMVIG			N45°05′54″ E125°38′33″		
	049°/229° 50	847		↓↑	Harbin ACC
▲水泉 Shuiquan NDB (LS)			N45°27.0′ E126°02.7′		
	049°/229° 26	864		↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
W626					
▲PIGAM			N45°01′23″ E124°48′41″		
	064°/244° 77	918		↓↑	Harbin ACC
▲BIKOB			N45°25′33″ E125°36′29″		
	076°/256° 55	864		↓↑	Harbin ACC
▲哈尔滨 Harbin VOR/DME (HRB)			N45°37.6′ E126°15.6′		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
W627					
▲ONINA			N46°16′17″ E125°20′09″		
	175°/355° 31	829		↓↑	Harbin ACC
▲MIBAG			N46°00′07″ E125°26′55″		
	175°/355° 32	829		↓↑	Harbin ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲IGDOS			N45°43′37″ E125°33′35″		
	139°/319° 49	846		↓↑	Harbin ACC
▲水泉 Shuiquan NDB (LS)			N45°27.0′ E126°02.7′		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
W628					
▲BUBDI			N46°29′56″ E126°27′11″		
	245°/065° 95	829		↓↑	Harbin ACC
▲MIBAG			N46°00′07″ E125°26′55″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
W629					
▲ISLUK			N44°30′22″ E126°07′39″		
	020°/--- 11	1 143		↓	Harbin ACC
▲LARUN			N44°36′29″ E126°09′01″		
	020°/--- 13	1 143		↓	Harbin ACC
▲ONOLO			N44°43′10″ E126°10′31″		
	351°/--- 40	847		↓	Harbin ACC
▲UPKED			N45°03′27″ E126°00′03″		
	016°/--- 44	847		↓	Harbin ACC
▲水泉 Shuiquan NDB (LS)			N45°27.0′ E126°02.7′		
LARUN-水泉 NDB 航段参阅哈尔滨/太平机场标准仪表进场程序。 Segments BTN LARUN and Shuiquan NDB Refer STAR of HARBIN/Taiping airport.					
W630					
▲EMVIG			N45°05′54″ E125°38′33″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
	145°/--- 22	847		↓	Harbin ACC
▲DUBAM			N44°57′32″ E125°50′20″		
	171°/--- 25	847		↓	Harbin ACC
▲PUMUP			N44°44′37″ E125°56′38″		
	199°/--- 24	1 003		↓	Harbin ACC
▲DUKIR			N44°31′56″ E125°53′51″		
参阅哈尔滨/太平机场标准仪表离场程序。 Refer SID of HARBIN/Taiping airport.					
W631					
▲PINAP			N38°25′56″ E114°44′53″		
RNAV2	336°/156° 9	1 044		↓↑	Beijing ACC
▲OSVUL			N38°30′13″ E114°41′33″		
RNAV2	336°/156° 16	1 361		↓↑	Beijing ACC
▲REVSI			N38°37′26″ E114°35′59″		
RNAV2	336°/156° 22	2 333		↓↑	Beijing ACC
▲SAKRI			N38°47′23″ E114°28′12″		
参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
W632					
▲芒市 Mangshi VOR/DME (LUM)			N24°24.3′ E098°32.4′		
RNP4	086°/266° 74	3 601		↓↑	Kunming ACC
▲TOSEM			N24°28′00″ E099°15′51″		
RNP4	087°/--- 118	3 793		↓	Kunming ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲URGAV			N24°33′02″ E100°25′48″		
RNP4	087°/--- 115	3 853		↓	Kunming ACC
▲GULOT			N24°37′24″ E101°33′51″		
W633					
▲TOSEM			N24°28′00″ E099°15′51″		
RNP4	173°/353° 105	3 597		↓↑	Kunming ACC
▲耿马 Gengma VOR/DME (GMA)			N23°31.7′ E099°24.5′		
W634					
▲RURNU			N41°56′25″ E112°38′46″		
RNAV2	124°/304° 24	2 317		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲BUTPO			N41°50′09″ E112°54′15″		
RNAV2	124°/304° 15	2 360		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲OSRUR			N41°46′15″ E113°04′06″		
参阅呼和浩特/白塔机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of HUHHOT/Baita airport.					
W635					
▲UKBET			N40°22′57″ E112°24′50″		
RNAV2	054°/234° 36	2 904		↓↑	Beijing ACC(Above 7800m) Hohhot ACC(7800m or below)
▲LUGVU			N40°35′49″ E112°43′50″		
W638					
▲IDVUK			N34°13′56″ E113°26′35″		
RNAV2	163°/343° 66	1 393		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲PASGU			N33°40′48″ E113°42′34″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV2	132°/312° 58	842		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲KAMDA			N33°21′57″ E114°12′13″		
参阅郑州/新郑机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of ZHENGZHOU/Xinzheng airport.					
W639					
▲尉氏 Weishi VOR/DME (DWS)			N34°19.4′ E114°04.7′		
RNAV2	160°/340° 87	741		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲VINIG			N33°36′52″ E114°29′06″		
RNAV2	160°/340° 50	658		↓↑	Beijing ACC(Above 7800m) Zhengzhou ACC(7800m or below)
▲DUDBI			N33°12′21″ E114°42′56″		
尉氏 VOR 至 VINIG 段参阅郑州/新郑机场标准仪表进场/标准仪表离场程序。 Segment Weishi VOR-VINIG refer STAR/SID of ZHENGZHOU/Xinzheng airport.					
W640					
▲TONOV			N38°11′20″ E114°06′24″		
	059°/239° 49	1 694		↓↑	Beijing ACC
▲行唐 Xingtang NDB (OC)			N38°27.3′ E114°33.3′		
	071°/251° 13	1 074		↓↑	Beijing ACC
▲OSVUL			N38°30′13″ E114°41′33″		
	071°/251° 17	1 115		↓↑	Beijing ACC
▲UNROD			N38°34′09″ E114°52′23″		
	071°/251° 16	1 027		↓↑	Beijing ACC
▲AREKU			N38°37′44″ E115°02′22″		
	083°/263° 44	1 027		↓↑	Beijing ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲BELAX			N38°43′12″ E115°31′35″		
TONOV 至 AREKU 航段参阅石家庄/正定机场标准仪表进场/标准仪表离场程序。 Segments BTN TONOV and AREKU refer STAR/SID of SHIJIAZHUANG/Zhengding airport.					
W643					
▲福州 Fuzhou VOR/DME (FOC)			N25°54.8′ E119°39.1′		
RNAV1	212°/032° 17	1 246		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲AVKUX			N25°46′36″ E119°34′25″		
RNAV1	232°/052° 39	1 517		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲BUPDU			N25°32′14″ E119°17′25″		
RNAV1	232°/052° 44	1 506		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲DOVPU			N25°15′50″ E118°58′18″		
RNAV1	247°/067° 40	1 440		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ATSAB			N25°05′36″ E118°37′06″		
W644					
▲福州 Fuzhou VOR/DME (FOC)			N25°54.8′ E119°39.1′		
RNAV1	032°/212° 21	1 246		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲IDMUV			N26°04′58″ E119°44′49″		
RNAV1	002°/182° 43	1 557		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲ANLUD			N26°28′09″ E119°43′22″		
RNAV1	006°/186° 59	1 745		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲LEVGU			N27°00′00″ E119°44′03″		
RNAV1	334°/154° 34	1 995		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲AKAVO			N27°15′37″ E119°33′21″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅福州/长乐机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of FUZHOU/Changle airport.					
W645					
▲福州 Fuzhou VOR/DME (FOC)			N25°54.8′ E119°39.1′		
RNAV1	190°/--- 26	1 246		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲OBGAK			N25°41′02″ E119°37′43″		
RNAV1	249°/--- 38	1 506		↓	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
▲BUPDU			N25°32′14″ E119°17′25″		
参阅福州/长乐机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of FUZHOU/Changle airport.					
W650					
▲LATUX			N35°29′00″ E120°47′00″		
RNAV1	271°/--- 22	600		↓	Qingdao ACC
▲AVLOK			N35°27′37″ E120°32′37″		
参阅青岛/胶东机场标准仪表进场程序。 Refer STAR of QINGDAO/Jiaodong airport.					
W651					
▲黄城 Huangcheng VOR/DME (HCH)			N37°39.3′ E120°32.7′		
RNAV1	204°/--- 83	1 427		↓	Qingdao ACC
▲NOKUD			N36°56′28″ E120°16′32″		
RNAV1	204°/--- 65	1 337		↓	Qingdao ACC
▲胶东 Jiaodong VOR/DME (JDG)			N36°22.7′ E120°04.0′		
NOKUD-胶东 VOR 航段参阅青岛/胶东机场标准仪表进场程序。 Segment NOKUD-Jiaodong VOR refer STAR of QINGDAO/Jiaodong airport.					
W652					
▲上马 Shangma VOR/DME (JDE)			N36°17.4′ E120°15.2′		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV1	024°/--- 66	1 201		↓	Qingdao ACC
▲LUPSA			N36°51′21″ E120°28′15″		
RNAV1	024°/--- 85	1 427		↓	Qingdao ACC
▲TEKAM			N37°35′10″ E120°45′17″		
参阅青岛/胶东机场标准仪表离场程序。 Refer SID of QINGDAO/Jiaodong airport.					
W653					
▲BUTET			N43°40′52″ E124°17′49″		
RNAV1	123°/--- 17	816		↓	Shenyang ACC
▲CC451			N43°37′13″ E124°29′29″		
RNAV1	096°/--- 34	1 150		↓	Shenyang ACC
▲AVMUT			N43°38′45″ E124°55′02″		
RNAV1	096°/--- 37	1 150		↓	Shenyang ACC
▲CC518			N43°40′17″ E125°22′36″		
RNAV1	096°/--- 45	1 287		↓	Shenyang ACC
▲BEPGU			N43°42′18″ E125°55′40″		
参阅长春/龙嘉机场标准仪表进场程序。 Refer STAR of CHANGCHUN/Longjia airport.					
W654					
▲ENPEN			N43°48′40″ E125°48′03″		
RNAV1	276°/--- 36	1 109		↓	ENPEN : Harbin ACC DUKAG : Shenyang ACC
▲DUKAG			N43°47′17″ E125°21′06″		

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重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV1	276°/--- 19	1 085		↓	Shenyang ACC
▲CC452			N43°46′31″ E125°07′17″		
RNAV1	276°/--- 54	1 085		↓	Shenyang ACC
▲CC401			N43°44′08″ E124°26′49″		
RNAV1	253°/--- 14	829		↓	Shenyang ACC
▲BUTET			N43°40′52″ E124°17′49″		
参阅长春/龙嘉机场标准仪表离场程序。 Refer SID of CHANGCHUN/Longjia airport.					
W655					
▲PABKI			N44°43′52″ E126°03′34″		
RNAV1	221°/--- 26	1 021		↓	Harbin ACC
▲DUKIR			N44°31′56″ E125°53′51″		
RNAV1	200°/--- 35	1 080		↓	Harbin ACC
▲CC512			N44°13′02″ E125°49′44″		
RNAV1	200°/--- 13	1 155		↓	Harbin ACC
▲NIMEM			N44°06′19″ E125°48′17″		
RNAV1	191°/--- 33	1 155		↓	Harbin ACC
▲ENPEN			N43°48′40″ E125°48′03″		
W656					
▲APESI			N43°45′37″ E125°58′04″		
RNAV1	020°/--- 36	1 241		↓	APESI : Shenyang ACC MAGBI : Harbin ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲MAGBI			N44°04′46″ E126°02′00″		
RNAV1	020°/--- 34	1 155		↓	Harbin ACC
▲BIXEG			N44°23′02″ E126°06′02″		
RNAV1	020°/--- 14	1 143		↓	Harbin ACC
▲ISLUK			N44°30′22″ E126°07′39″		
RNAV1	359°/--- 26	1 143		↓	Harbin ACC
▲PABKI			N44°43′52″ E126°03′34″		
W657					
▲LEMOT			N42°49′29″ E125°11′01″		
RNAV1	066°/--- 18	1 218		↓	LEMOT : Dalian ACC CC455 : Shenyang ACC
▲CC455			N42°54′50″ E125°22′01″		
RNAV1	037°/--- 99	1 287		↓	Shenyang ACC
▲BEPGU			N43°42′18″ E125°55′40″		
RNAV1	037°/--- 7	1 287		↓	Shenyang ACC
▲APESI			N43°45′37″ E125°58′04″		
CC455 至 APESI 航段参阅长春/龙嘉机场标准仪表进场程序。 Segments BTN CC455 and APESI refer STAR of CHANGCHUN/Longjia airport.					
W658					
▲ENPEN			N43°48′40″ E125°48′03″		
RNAV1	218°/--- 32	1 287		↓	ENPEN : Harbin ACC CC564 : Shenyang ACC

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲CC564			N43°33′24″ E125°36′45″		
RNAV1	217°/--- 13	1 287		↓	Shenyang ACC
▲GUPUL			N43°27′12″ E125°32′21″		
RNAV1	217°/--- 65	1 218		↓	Shenyang ACC
▲CC454			N42°56′02″ E125°10′28″		
RNAV1	186°/--- 12	1 208		↓	CC454 : Shenyang ACC LEMOT : Dalian ACC
▲LEMOT			N42°49′29″ E125°11′01″		
ENPEN 至 CC454 航段参阅长春/龙嘉机场标准仪表离场程序。 Segments BTN ENPEN and CC454 refer SID of CHANGCHUN/Longjia airport.					
W659					
▲DUKAG			N43°47′17″ E125°21′06″		
RNAV1	168°/--- 40	1 131		↓	Shenyang ACC
▲GUPUL			N43°27′12″ E125°32′21″		
参阅长春/龙嘉机场标准仪表离场程序。 Refer SID of CHANGCHUN/Longjia airport.					
W660					
▲AVMUT			N43°38′45″ E124°55′02″		
RNAV1	058°/238° 22	1 150		↓↑	Shenyang ACC
▲CC452			N43°46′31″ E125°07′17″		
RNAV1	058°/238° 46	1 085		↓↑	CC452 : Shenyang ACC CC411 : Harbin ACC
▲CC411			N44°02′43″ E125°33′05″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV1	058°/238° 29	1 080		↓↑	Harbin ACC
▲CC512			N44°13′02″ E125°49′44″		
RNAV1	058°/238° 28	1 143		↓↑	Harbin ACC
▲BIXEG			N44°23′02″ E126°06′02″		
参阅长春/龙嘉机场标准仪表进离场程序。 Refer STAR/SID of CHANGCHUN/Longjia airport.					
W661					
▲临沂 LINYI VOR/DME (LNY)			N35°03.0′ E118°24.8′		
RNAV2	279°/099° 64	1 180		↓↑	Beijing ACC(Above 7800m) Jinan ACC(7800m or below)
▲OVTIT			N35°04′14″ E117°42′45″		
参阅临沂/启阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LINYI/Qiyang airport.					
W662					
▲临沂 LINYI VOR/DME (LNY)			N35°03.0′ E118°24.8′		
RNAV2	254°/074° 61	1 078		↓↑	Linyi VOR/DME: Beijing ACC(Above 7800m) Jinan ACC(7800m or below) AVPEP: Shanghai ACC
▲AVPEP			N34°50′34″ E117°47′45″		
参阅临沂/启阳机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of LINYI/Qiyang airport.					
W663					
▲运城 Yuncheng VOR/DME (YCE)			N35°06.8′ E110°59.9′		
RNP1	178°/358° 27	2 120		↓↑	Xi'an ACC
▲PATVU			N34°52′24″ E111°02′02″		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
参阅运城/张孝机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YUNCHENG/Zhangxiao airport.					
W664					
▲运城 Yuncheng VOR/DME (YCE)			N35°06.8′ E110°59.9′		
RNP1	037°/217° 22	2 040		↓↑	Xi'an ACC
▲IBUDO			N35°16′51″ E111°07′42″		
参阅运城/张孝机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of YUNCHENG/Zhangxiao airport.					
W665					
▲运城 Yuncheng VOR/DME (YCE)			N35°06.8′ E110°59.9′		
RNAV2	081°/261° 3	2 040		↓↑	Xi'an ACC
▲PONAV			N35°07′10″ E111°02′03″		
RNAV2	114°/294° 85	2 245		↓↑	Xi'an ACC
▲OMLIX			N34°52′27″ E111°55′01″		
W667					
▲河口 Hekou VOR/DME (HOK)			N31°19.5′ E114°25.8′		
RNAV1	180°/--- 51	1 474		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲黄陂 Huangpi VOR/DME (DHP)			N30°52.2′ E114°28.2′		
RNAV1	124°/--- 57	1 200		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲回龙山 Huilongshan VOR/DME (MOU)			N30°36.7′ E114°59.3′		
黄陂 VOR 至回龙山 VOR 段参阅鄂州/花湖机场标准仪表进场程序。 Segment Huangpi VOR to Huilongshan VOR refer STAR of EZHOU/Huahu airport.					
W668					
▲天门 Tianmen VOR/DME (WTM)			N30°45.2′ E113°08.5′		
RNAV1	099°/--- 80	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度 (km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲荷苞湖 Hebaohu VOR/DME (DHB)			N30°41.9′ E113°58.3′		
RNAV1	108°/--- 32	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲VIMAK			N30°37′59″ E114°17′48″		
RNAV1	108°/288° 66	1 100		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲AGUXI			N30°29′53″ E114°58′00″		
参阅鄂州/花湖机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of EZHOU/Huahu airport.					
W669					
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
RNAV1	032°/--- 107	2 329		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲URGEB			N31°17′29″ E115°47′04″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W670					
▲OTBUG			N30°49′00″ E115°50′31″		
RNAV1	263°/--- 70	2 232		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲天山 Tianshan VOR/DME (XGD)			N30°41.5′ E115°07.4′		
参阅鄂州/花湖机场标准仪表进场程序。 Refer STAR of EZHOU/Huahu airport.					
W671					
▲VADBU			N30°50′53″ E114°54′04″		
RNAV1	347°/--- 45	1 584		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲PAVPA			N31°14′09″ E114°45′22″		
RNAV1	347°/--- 16	1 371		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ONUDU			N31°22′18″ E114°42′18″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV1	330°/--- 60	1 408		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲BENBI			N31°48′57″ E114°20′43″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W672					
▲蔡甸 Caidian VOR/DME (DCD)			N30°26.4′ E114°09.5′		
RNAV1	221°/--- 27	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IGNIK			N30°14′42″ E113°59′03″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W673					
▲SALUG			N30°33′18″ E114°50′30″		
RNAV1	278°/--- 64	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OSIRU			N30°35′28″ E114°10′15″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W674					
▲OSIRU			N30°35′28″ E114°10′15″		
RNAV1	278°/--- 33	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UNTIN			N30°36′30″ E113°49′35″		
RNAV1	239°/--- 75	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUGAM			N30°12′59″ E113°11′08″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W675					
▲AVLEN			N31°14′40″ E114°31′37″		

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航路代号 Route designator					
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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNAV1	192°/--- 42	1 200		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲黄陂 Huangpi VOR/DME (DHP)			N30°52.2′ E114°28.2′		
参阅鄂州/花湖机场标准仪表进场程序。 Refer STAR of EZHOU/Huahu airport.					
W676					
▲黄陂 Huangpi VOR/DME (DHP)			N30°52.2′ E114°28.2′		
RNAV1	216°/--- 31	1 200		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲VIMAK			N30°37′59″ E114°17′48″		
RNAV1	216°/--- 25	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲蔡甸 Caidian VOR/DME (DCD)			N30°26.4′ E114°09.5′		
RNAV1	259°/--- 97	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲GUGAM			N30°12′59″ E113°11′08″		
参阅鄂州/花湖机场标准仪表离场程序。 Refer SID of EZHOU/Huahu airport.					
W679					
▲稻城 Daocheng VOR/DME (MYD)			N29°21.4′ E100°02.7′		
	063°/243° 185	6 304		↓↑	Chengdu ACC
▲康定 Kangding VOR/DME (KDJ)			N30°08.5′ E101°43.9′		
W685					
▲天门 Tianmen VOR/DME (WTM)			N30°45.2′ E113°08.5′		
RNP1	111°/--- 69	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲IDGAG			N30°34′38″ E113°49′57″		
参阅武汉/天河机场标准仪表进场程序。 Refer STAR of WUHAN/Tianhe airport.					
W686					

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
▲UPMAT			N29°56′42″ E113°35′44″		
RNP1	043°/--- 86	1 100		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲UDUMI			N30°32′51″ E114°08′50″		
参阅武汉/天河机场标准仪表进场程序。 Refer STAR of WUHAN/Tianhe airport.					
W687					
△SARID			N30°25′55″ E113°51′01″		
RNP1	226°/--- 29	954		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
△OMLAP			N30°14′20″ E113°39′19″		
RNP1	168°/--- 43	925		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲OLMIB			N29°52′17″ E113°47′05″		
参阅武汉/天河机场标准仪表离场程序。 Refer SID of WUHAN/Tianhe airport.					
W688					
△ALBIG			N31°08′02″ E114°34′05″		
RNP1	095°/275° 29	1 241		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
△POPOM			N31°07′56″ E114°52′15″		
RNP1	159°/339° 14	1 584		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
△ATLUT			N31°01′09″ E114°56′09″		
RNP1	159°/339° 72	1 640		↓↑	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲浠水 Xishui VOR/DME (XSH)			N30°26.1′ E115°16.0′		
参阅武汉/天河机场标准仪表进场/标准仪表离场程序。 Refer STAR/SID of WUHAN/Tianhe airport.					
W689					
△IGDEN			N30°55′56″ E114°39′39″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP1	010°/--- 49	1 371		↓	Guangzhou ACC(Above 7800m) Wuhan ACC(7800m or below)
▲ONUDU			N31°22′18″ E114°42′18″		
参阅武汉/天河机场标准仪表离场程序。 Refer SID of WUHAN/Tianhe airport.					

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ENR 3.3
空中交通服务航路-区域导航航路
ATS routes-area navigation routes
ENR 3.3.1
区域导航航路
Area navigation routes

航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
GYA01					
✦UKMAX			N23°26′16″ E111°42′00″		
RNAV2	203°/--- 20	1 599		↓	Guangzhou ACC
✦UKMA2			N23°16′06″ E111°37′57″		
RNAV2	191°/--- 20	1 599		↓	Guangzhou ACC
✦UKMA3			N23°05′22″ E111°36′25″		
RNAV2	178°/--- 20	1 415		↓	Guangzhou ACC
✦UKMA4			N22°54′34″ E111°37′30″		
RNAV2	165°/--- 20	1 415		↓	Guangzhou ACC
✦UKMA5			N22°44′16″ E111°41′07″		
RNAV2	152°/--- 20	1 665		↓	Guangzhou ACC
✦UKMA6			N22°34′57″ E111°47′06″		
RNAV2	056°/--- 90	1 665		↓	Guangzhou ACC
✦高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		

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使用高度为 6 300 米(含)以下，仅供落地广州机场的航班使用，在满足管制间隔时，可在UKMAX-UKMA2-UKMA3-UKMA4-UKMA5-UKMA6 之间的任意位置引导航空器直飞高要 VOR。 Altitude 6300m or below,only available for flights landing at ZGGG;when the separation is satisfied,the aircraft can be guided straight to the Gaoyao VOR at any position between UKMAX-UKMA2-UKMA3-UKMA4-UKMA5-UKMA6.					
GYA03					
✦IGIVI			N23°26′24″ E110°43′15″		
RNAV2	166°/--- 29	1 393		↓	Nanning ACC
✦OVLUG			N23°11′36″ E110°48′01″		
RNAV2	106°/--- 50	1 486		↓	Guangzhou ACC(Above 7800m) NanningACC(7800m or below)
✦AVDOK			N23°05′41″ E111°16′47″		
RNAV2	094°/--- 34	1 486		↓	AVDOK : Guangzhou ACC(Above 7800m) NanningACC(7800m or below) UKMA3 : Guangzhou ACC
✦UKMA3			N23°05′22″ E111°36′25″		
RNAV2	178°/--- 20	1 415		↓	Guangzhou ACC
✦UKMA4			N22°54′34″ E111°37′30″		
RNAV2	165°/--- 20	1 415		↓	Guangzhou ACC
✦UKMA5			N22°44′16″ E111°41′07″		
RNAV2	152°/--- 20	1 665		↓	Guangzhou ACC
✦UKMA6			N22°34′57″ E111°47′06″		
RNAV2	056°/--- 90	1 665		↓	Guangzhou ACC
✦高要 Gaoyao VOR/DME (GYA)			N23°04.2′ E112°29.2′		

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
使用高度为 6 300 米(含)以下，仅供落地广州机场的航班使用，在满足管制间隔时，可在UKMAX-UKMA2-UKMA3-UKMA4-UKMA5-UKMA6 之间的任意位置引导航空器直飞高要 VOR。 Altitude 6300m or below,only available for flights landing at ZGGG;when the separation is satisfied,the aircraft can be guided straight to the Gaoyao VOR at any position between UKMAX-UKMA2-UKMA3-UKMA4-UKMA5-UKMA6.					
L181					
✦AGVUT			N37°58′28″ E074°54′51″		
RNP4	078°/258° 191	7 628		↓↑	Urumqi ACC
✦叶尔羌 Yarkant VOR/DME (DSC)			N38°13.3′ E077°04.3′		
使用高度为 10 100 米(含)-12 500 米(含)。 En-route altitude 10 100m-12 500m.					
L642					
✦EPKAL			N17°51′30″ E112°57′18″		
RNP10	218°/--- 64NM	2 100FT	93	↓	Sanya ACC(4270m or above)
✦EGEMU			N17°00′00″ E112°17′00″		
RNP10	217°/--- 121NM	2 100FT	93	↓	Sanya ACC(4270m or above)
✦EXOTO			N15°21′30″ E111°03′00″		
相关规定见 ENR3.3.2.1、ENR3.3.2.2、ENR3.3.2.3。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3.					
L888					
✦BIDRU			N22°43′06″ E100°57′54″		
RNP4	346°/166° 161	4 722	56	↓↑	Kunming ACC
✦MAKUL			N24°07′19″ E100°33′21″		
RNP4	346°/166° 49	3 853	56	↓↑	Kunming ACC
✦URGAV			N24°33′02″ E100°25′48″		
RNP4	346°/166° 57	3 815	56	↓↑	Kunming ACC

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航路代号 Route designator					
重要点名称、类型、识别 Significant Point Name,Type,Identification			重要点坐标 Significant Point Coordinates		
导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
◇DONEN			N25°02′42″ E100°17′00″		
RNP4	346°/166° 11	4 722	56	↓↑	Kunming ACC
✦UPGED			N25°08′18″ E100°15′21″		
RNP4	346°/166° 99	4 722	56	↓↑	Kunming ACC
✦NIVUX			N26°00′00″ E100°00′00″		
RNP4	001°/181° 161	6 196	56	↓↑	Kunming ACC
✦UKDAB			N27°26′32″ E100°00′00″		
RNP4	001°/181° 56	5 839	56	↓↑	Kunming ACC
✦LEVBA			N27°56′56″ E100°00′00″		
RNP4	001°/181° 259	6 171	56	↓↑	Chengdu ACC
✦BIGOR			N30°16′50″ E100°00′00″		
RNP4	001°/181° 72	5 742	56	↓↑	Chengdu ACC
✦PEXUN			N30°55′44″ E100°00′00″		
RNP4	001°/181° 119	6 592	56	↓↑	Chengdu ACC
✦SANLI			N32°00′00″ E100°00′00″		
RNP4	306°/126° 115	6 592	56	↓↑	Chengdu ACC
◇LUVAR			N32°36′06″ E099°00′00″		
RNP4	306°/126° 67	5 568	56	↓↑	LUVAR : Chengdu ACC KADKI : Lanzhou ACC
✦KADKI			N32°57′19″ E098°25′15″		

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	306°/126° 220	5 928	56	↓↑	Lanzhou ACC
◇MUMAN			N34°06′30″ E096°30′00″		
RNP4	306°/126° 258	6 713	56	↓↑	Lanzhou ACC
✦TEMOL			N35°27′03″ E094°12′11″		
RNP4	306°/126° 105	6 778	56	↓↑	Lanzhou ACC
◇LEBAK			N36°00′00″ E093°15′30″		
RNP4	305°/125° 336	6 778	56	↓↑	Lanzhou ACC
✦TONAX			N37°45′30″ E090°11′18″		
RNP4	304°/124° 51	5 972	56	↓↑	Lanzhou ACC
✦BEVTA			N38°01′19″ E089°43′05″		
RNP4	304°/124° 108	6 561	56	↓↑	Urumqi ACC
✦NOLEP			N38°34′30″ E088°42′30″		
RNP4	304°/124° 286	6 662	56	↓↑	Urumqi ACC
✦SADAN			N40°04′36″ E086°00′00″		
RNP4	301°/121° 155	1 643	56	↓↑	Urumqi ACC
◇KAGSO			N40°51′53″ E084°29′06″		
RNP4	300°/120° 164	2 792	56	↓↑	Urumqi ACC
✦龟兹 Qiuci VOR/DME (XKC)			N41°40.6′ E082°50.6′		
航路高度 9 200 米(含)以上； 实施数据链运行，详情参见 ENR3.3.2.4。 En-route altitude 9 200m or above. Data link service implemented, refer to ENR3.3.2.4 for details.					

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导航规范 Navigation specification	航迹(MAG)距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
M503					
✦LELIM			N22°56′21″ E117°18′42″		
RNAV2	052°/232° 9	651		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦LAPUG			N22°59′41″ E117°22′50″		
RNAV2	052°/232° 16	651		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦TOLAK			N23°05′28″ E117°30′00″		
RNAV2	052°/232° 129	651		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦APAKA			N23°51′50″ E118°26′40″		
RNAV2	052°/232° 193	600		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦OBKEL			N25°00′00″ E119°52′58″		
RNAV2	041°/221° 87	600		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦PONEN			N25°37′30″ E120°24′00″		
RNAV2	033°/213° 142	600		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦NUDPO			N26°45′00″ E121°04′15″		
RNAV2	033°/213° 61	600		↓↑	Shanghai ACC(Above 7800m) Xiamen ACC(7800m or below)
✦NUNVO			N27°14′04″ E121°21′49″		
RNAV2	033°/213° 44	600		↓↑	Shanghai ACC
✦OKATO			N27°35′06″ E121°34′38″		
RNAV2	033°/213° 53	600		↓↑	Shanghai ACC
✦BEGMO			N28°00′00″ E121°50′00″		
航线高度 8 400 米至 12 500 米。 En-route altitude 8 400m—12 500m.					

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
M771					
✦****			N14°34′00″ E111°55′30″		
RNP10	036°/--- 10NM	2 100FT	93	↓	Ho Chi Minh ACC
✦DONDA			N14°42′12″ E112°01′18″		
RNP10	036°/--- 169NM	2 100FT	93	↓	Sanya ACC(4270m or above)
✦DOSUT			N17°02′00″ E113°40′48″		
相关规定见 ENR3.3.2.1、ENR3.3.2.2、ENR3.3.2.3。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3.					
N892					
✦MIGUG			N15°16′24″ E114°00′00″		
RNP10	217°/--- 57NM	2 100FT	110	↓	Sanya ACC(4270m or above)
✦MONBO			N14°30′00″ E113°25′42″		
相关规定见 ENR3.3.2.1、ENR3.3.2.2、ENR3.3.2.3。 三亚飞行情报区内 N892 航路上的空中交通服务委托胡志明 ACC 负责提供，该航段上的空中交通情况应通知三亚 ACC。在航空器偏离飞行计划航迹并可能侵犯三亚 ACC 管制的空域的情况下，胡志明或马尼拉 ACC，如可行，必须协调取得进入该空域的许可。如果飞行员在未获许可时要求偏离，必须采用国际民航组织附件和地区补充程序（Doc7030）里的国际民航组织空域规则。 在 N892 航路上飞行的所有航空器，如因天气等原因向航路北侧偏航时，需事先征得三亚 ACC 同意，并与三亚 ACC 保持无线电联系。 Relevant rules see ENR3.3.2.1, ENR3.3.2.2, ENR3.3.2.3. The responsibility of Air Traffic Services on the portion of ATS route N892 in Sanya FIR is delegated to Ho Chi Minh ACC and air traffic shall be notified to Sanya ACC. In the case of an aircraft which deviates off flight plan track and is likely to infringe the airspace under the control of Sanya ACC, Ho Chi Minh or Manila ACC, as appropriate, shall coordinate a clearance for entry into that airspace. If the pilot is required to deviate without clearance, the ICAO rules of the air provisions incorporated in the ICAO Annexes and Regional Supplementary Procedures (Doc 7030) shall apply. All aircraft operating on route N892, in case of weather and etc., deviate to the north of this route, shall be subject to obtain prior approval of Sanya ACC and maintain communication with Sanya ACC.					
Y1					
✦SADAN			N40°04′36″ E086°00′00″		

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
RNP4	109°/289° 399	5 180	56	↓↑	Urumqi ACC
◇SUNPU			N38°47′55″ E090°20′31″		
RNP4	109°/289° 34	5 390	56	↓↑	SUNPU : Urumqi ACC MAGOD : Lanzhou ACC
✦MAGOD			N38°41′00″ E090°42′06″		
RNP4	109°/289° 167	5 390	56	↓↑	Lanzhou ACC
✦DUMIN			N38°10′00″ E092°30′00″		
RNP4	116°/296° 294	4 157	56	↓↑	Lanzhou ACC
✦LUSMA			N37°00′00″ E095°30′00″		
RNP4	117°/297° 56	4 487	56	↓↑	Lanzhou ACC
✦IRTOL			N36°46′42″ E096°03′36″		
RNP4	117°/297° 53	4 487	56	↓↑	Lanzhou ACC
✦AKAGI			N36°34′00″ E096°35′30″		
RNP4	117°/297° 104	4 487	56	↓↑	Lanzhou ACC
✦MEPEP			N36°09′06″ E097°38′00″		
RNP4	118°/298° 483	5 600		↓↑	Lanzhou ACC
✦NUPNI			N34°11′25″ E102°22′04″		
RNP4	120°/300° 199	5 095	56	↓↑	Lanzhou ACC
✦OMBON			N33°21′26″ E104°16′15″		

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航路高度 9 200 米(含)以上； 实施数据链运行，详情参见 ENR3.3.2.4。 En-route altitude 9 200m or above. Data link service implemented, refer to ENR3.3.2.4 for details.					
Y2					
◇LUVAR			N32°36′06″ E099°00′00″		
RNP4	343°/163° 414	6 086		↓↑	Lanzhou ACC
✦MEPEP			N36°09′06″ E097°38′00″		
航路高度 9 200 米(含)以上； 实施数据链运行，详情参见 ENR3.3.2.4。 En-route altitude 9 200m or above. Data link service implemented, refer to ENR3.3.2.4 for details.					
Y3					
✦稻城 Daocheng VOR/DME (MYD)			N29°21.4′ E100°02.7′		
RNP4	275°/095° 433	7 012		↓↑	DAOCHENG VOR/DME: Chengdu ACC ENPAT: Lhasa ACC
✦ENPAT			N29°35′14″ E095°35′09″		
RNP4	262°/082° 111	8 214		↓↑	Lhasa ACC
✦嘎玛 Gama VOR/DME (GMM)			N29°25.8′ E094°27.3′		
RNP4	244°/064° 245	6 675		↓↑	Lhasa ACC
✦隆子 Longzi VOR/DME (LZP)			N28°25.8′ E092°13.1′		
RNP4	271°/091° 256	7 773		↓↑	Lhasa ACC
✦ISMUL			N28°28′12″ E089°36′12″		
RNP4	266°/086° 150	6 673		↓↑	Lhasa ACC

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导航规范 Navigation specification	航迹(MAG) 距离(km) Track(MAG) DIST(km)	最低飞行高度(m) MNM flight altitude(m)	航路宽度(km) Lateral limits(km)	航段方向 Direction of segment	管制单位、备注 Controlling unit, Remarks
✦OLGUT			N28°22′35″ E088°04′47″		
RNP4	282°/102° 117	6 859		↓↑	Lhasa ACC
✦东定日 Dongdingri VOR/DME (DRD)			N28°35.9′ E086°54.9′		
RNP4	295°/115° 202	6 981		↓↑	Lhasa ACC
✦UBGEM			N29°22′57″ E085°02′26″		
RNP4	293°/113° 385	7 056		↓↑	UBGEM: Lhasa ACC Mapangyong VOR/DME: Urumqi ACC
✦玛旁雍 Mapangyong VOR/DME (OLP)			N30°47.8′ E081°23.7′		
RNP4	316°/136° 179	7 052		↓↑	Urumqi ACC
◇阿里 Ali VOR/DME (KUS)			N31°58.9′ E080°07.6′		
RNP4	351°/171° 53	6 929		↓↑	Urumqi ACC
✦狮泉河 Shiquanhe VOR/DME (SQH)			N32°27.5′ E080°03.6′		
使用高度为 8100 米(含)以上。 En-route altitude 8 100m or above.					

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ENR3.3.2 其它规定

3.3.2.1 南中国海地区实施修改的 ATS 航路结构及 RNP 10 运行

1. RNP10 导航要求

1.1 在三亚飞行情报区的以下航段上，实施修改的 RNP10 运行。其它航路不需要采用 RNP10。

L642：EPKAL 至 EXOTO

M771：N14°34.0′E111°55.5′至 DONDA 至 DOSUT

N892：MIGUG 至 MONBO（60 海里侧向间隔标准）

1.2 飞行员必须将低于 RNP10 导航要求的导航设备性能的降低或故障情况通报 ATC 部门。ATC 部门随后应提供备用间隔及/或备份航路。

1.3 符合 RNP10 要求航空器的飞行员必须在 ICAO 飞行计划第 10 项注明/R。

2. 不符合 RNP10 要求的航空器的飞行

2.1 不能满足第 1.1 款最低导航要求的航空器必须提交飞行计划，在 FL280 或以下飞行。根据第 2.3 款规定，此类航空器在 FL280 以上的飞行需事先经 ATC 部门许可。

2.2 希望沿第 1.1 款规定的 ATS 航路，在 FL290 或以上飞行的航空器的飞行员必须在 ICAO 飞行计划第

ENR3.3.2 Other Rules

3.3.2.1 Implementation of a revised ATS route structure and RNP 10 operations in the South China Sea area

1. RNP 10 navigation requirements

1.1 RNP 10 operations will be implemented on those segments of the following routes, which fall within the Sanya FIR. For other routes RNP10 approval is not required.

L642: EPKAL to EXOTO

M771: N14°34.0′E111°55.5′ to DONDA to DOSUT

N892: MIGUG to MONBO (60NM lateral separation minima)

1.2 Pilots must advise ATC of any deterioration or failure of the navigation systems below the navigation requirements for RNP 10. ATC shall then provide alternative separation and/or alternative routing.

1.3 Pilots of aircraft meeting RNP 10 requirements must indicate/R at Item 10 of the ICAO Flight Plan.

2. Operations by aircraft not meeting RNP 10

2.1 An aircraft that is unable to meet the minimum navigation requirements described in section 1.1 above must file flight plan at FL280 or below. Operations above FL280 for these aircraft will be subject to ATC approval, in accordance with the provisions of section 2.3.

2.2 Pilots of such aircraft wishing to operate on ATS routes specified in paragraph 1.1, at or above FL290,

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18 项“RMK/REQ FL/要求的高度（插入高度）”注明高度要求。在优先选择的高度上飞行需经 ATC 协调和许可。未被批准沿上述高度飞行的航空器，需在 FL280 或以下飞行或沿备份航路飞行。

must indicate their level requirements at Item 18 of the ICAO Flight plan as RMK/REQ FL(insert level). Approval to operate at the preferred level will be subject to ATC co-ordination and clearance. Flights that are not approved will be required to operate at FL280 or below or via alternative routes.

2.3 收到非 RNP10 航空器申请沿第 1.1 款规定的 ATS 航路，在 FL290 或以上飞行的 ATC 部门应与受此飞行影响的相邻 ATC 部门进行协调。在决定是否批准该飞行时，各 ATC 部门应对以下因素进行考虑:

2.3 ATC units receiving a request for a non-RNP 10 approved aircraft to operate on ATS routes specified in paragraph 1.1, at or above FL290, will co-ordinate with adjacent ATC units affected by the flight. In deciding whether or not to approve the flight, each ATC unit will take into consideration:

a.交通密度;

a. Traffic density;

b.通信，包括正常情况下通信设备的不可用性;

b. Communications, including the non-availability of normal communications facilities;

c.航路天气情况；及

c. Weather conditions en-route; and

d.当时的其它有关因素。

d. Any other factors pertinent at the time.

3. 安全评估标准

3. Safety assessment criteria

3.1 根据 RNP10 导航性能要求确定，航空器导航性能要求的侧向偏航标准应小于 8.7 公里(4.7 海里)。

3.1 The safety criteria in accordance with the requirements for RNP 10 navigation performance, aircraft navigation performance shall be such that the standard deviation of lateral track errors shall be less than 8.7km(4.7NM).

4. 航空器导航性能监测

4. Monitoring of aircraft navigation performance

4.1 航空器导航性能监测是营运人、注册国或营运人所在国（如可能）、制定规章机构及 ATS 提供者的共同责任。对不符合以下导航要求参数的检测和报告将

4.1 Monitoring of aircraft navigation performance is a joint responsibility among operators, States of Registry or States of Operators (as applicable), regulatory

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主要依靠 ATC 部门的雷达监控获得：侧向偏离:根据雷达监控偏离航迹中心线 15 海里或更远；纵向偏离：

authorities and the ATS providers. The detection and reporting of non-conformance with the navigation requirements against the following parameters will rely primarily on radar monitoring by ATC units:Lateral deviations: a deviation of 15NM or more from track centerline based on radar observations;Longitudinal deviations:

a.在 ATC 部门采用时间间隔的情况下，当 ATC 部门证实飞行员预计的报告时间间隔与在报告点预测的时间间隔相差 3 分钟或更长时，即产生纵向偏离；

a. where time separation is being applied by ATC-when the reported separation based on ATC verified pilot estimates varies by 3 minutes or more from the expected separation at the reporting point; or

b.在 ATC 部门采用距离间隔标准的情况下，当 ADS、或雷达监控或 RNAV 距离报告测得的距离与预测距离相差 10 海里或以上时，即产生纵向偏离。

b. Where a distance based standard is being applied by ATC based on either ADS, radar observation of RNAV distance reports-when the distance varies by 10NM or more from the expected distance.

4.2 当 ATC 部门监控到偏航时，应通报机长并采用要求的检查程序。

4.2 ATC will advise the pilot in command when such deviations are observed and implement the required investigation procedures.

4.3 ATC 当局应与航空器营运人、注册国或营运人所在国（如可能）一起对偏航原因进行调查。

4.3 The ATC authority will investigate the causes of such deviations in conjunction with the aircraft operator and the State of Registry, or the State of the Operator, as applicable.

5. 间隔标准

5. Separation minima

5.1 侧向间隔标准

5.1 Lateral Separation Minima

5.1.1 当按照第 1.1 款规定配备机载设备的航空器在 FL290 或以上飞行时，沿 L642、M771 飞行的航空器之间可采用 50 海里侧向间隔标准，沿 N892 飞行的航空器之间只可采用 60 海里侧向间隔标准

5.1.1 When operating at FL290 or above, between aircrafts equipped in accordance with the provisions of paragraph 1.1, a lateral separation minima of 50NM may be applied on L642, M771, a lateral separation minima

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of 60NM may only be applied on N892.

5.1.2 当不符合第 1.1 款要求的航空器被允许沿第 1.1 款所示航路在 FL290 或以上飞行时，应与在相邻航线上飞行的航空器之间采用垂直间隔。

5.1.2 When an aircraft not meeting the requirements of paragraph 1.1 is approved to operate at or above FL290, on the routes shown in paragraph1.1, vertical separation shall be applied with aircraft operating on adjacent routes.

5.2 纵向间隔

5.2 Longitudinal Separation

5.2.1 沿 L642、M771 飞行的航空器之间可采用 50 海里间隔标准，沿 N892 飞行的航空器之间可采用 80 海里 RNAV 或 10 分钟（或更小）马赫数技术（MNT）间隔标准。

5.2.1 50NM separation minima may be applied between aircrafts on L642, M771, 80NM RNAV or 10 minutes (or less) Mach number technique (MNT) separation minima may be applied between aircrafts on N892.

5.3 垂直间隔

5.3 Vertical Separation

5.3.1 沿第 1.1 款所示 ATS 航路在 FL290 或以上飞行的航空器之间应采用 2 000 英尺的垂直间隔标准。

5.3.1 A vertical separation minima of 2 000FT will be applied between aircraft operating at FL290 or above, on the ATS routes shown in paragraph 1.1.

6. 营运人规定

6. Operators procedures

6.1 根据 RNP10 要求,营运人应保证提供空中运行程序、机组手册和培训计划。

6.1 The operator shall ensure in-flight procedures, crew manuals and training programmers are established in accordance with RNP 10 requirements.

7. 应急程序（包括危险天气避让）

7. Contingency procedures (including weather deviation)

7.1 应急程序，包括危险天气避让应按照以下具体规定执行。

7.1 Contingency procedures, including weather deviation, shall be in accordance with the provisions detailed below.

7.2 当航空器在三亚飞行情报区岛内管制空域飞行时，飞行员在采取任何偏航行动前必须获得 ATC 许可。

7.2 When an aircraft is flying in island controlled airspace in the Sanya FIR, the pilot shall obtain the ATC clearance before initiating any deviation action.

7.3 如果航空器不能按照 ATC 许可继续飞行时，如可

7.3 If an aircraft is unable to continue flight in

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能，飞行员应在采取行动前用适当的 R/T 频率上发送紧急遇险信号，重新获得新的许可。

accordance with its ATC clearance, the pilot shall, whenever possible, obtain a revised clearance prior to initiating any action by making a distress of urgency transmission on the appropriate R/T frequency.

7.4 当航空器在三亚飞行情报区洋区管制空域飞行且不能继续沿 ATC 指令飞行时，但能建立管制员-飞行员通信，管制员应:

7.4 When an aircraft is flying in oceanic controlled airspace in the Sanya FIR, and unable to continue flight in accordance with its ATC clearance and controller-pilot communications are established, the controller shall:

a.如可能，建立标准的间隔;

a. if possible, establish standard separation;

b.如不可能,向所有有关航空器提供必要的交通信息，且可为解决此问题提供咨询信息，包括采用缩小的垂直间隔。

b. If this is not possible, provide essential traffic information to all aircraft affected and may provide advice to resolve the situation, including the use of reduced vertical separation.

7.5 当航空器在三亚飞行情报区洋区管制空域飞行,不能继续沿 ATC 指令飞行,且无法建立管制员-飞行员通信时,飞行员应按照 ICAO 地区补充程序(7030)MID/Asia/RAC-4, 第 2.2.4 段中的规定执行。

7.5 If in the event that a pilot is flying in oceanic controlled airspace in the Sanya FIR, and unable to continue flight in accordance with its ATC clearance and pilot-controller communications are not established, the pilot shall comply with the ICAO Regional Supplementary Procedures (7030) MID/Asia/RAC-4, PARA 2.2.4.

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3.3.2.2 三亚飞行情报区海洋空域缩小垂直间隔标准的政策和程序

1. RVSM 空域

1.1 RVSM 空域

1.1 三亚飞行情报区海洋空域内实施 RVSM 的航路包括 A1、L642、M771 和 N892。其中 L642，M771，N892 航路的 RVSM 高度层为：FL310、FL320、FL350、FL360、FL390 和 FL400。A1 航路的 RVSM 高度层为：向东飞行-FL290，FL330，FL370，FL390 和 FL410；向西飞行-FL280，FL300，FL340，FL380 和 FL400。RVSM 空域水平范围与海洋飞行区域一致。

2. 航空器适航和运行审批和监督

2.1 批准手续

运营人必须取得适当的注册国或运营人所属国的适航和运行批准，方可实施 RVSM 运行。有关要求参见中国民用航空局相关的 RVSM 适航和飞标政策。

2.2 航空器的监督

要求运营人应当参加 RVSM 航空器监控项目。这是 RVSM 实施计划的一个重要组成部分，因为它可以确认航空器是否符合高度保持性能标准。亚太地区审批注册和监控组织（APARMO）将处理监控的结果。有关 RVSM 监控的进一步信息，可登陆 APARMO 网站：

3.3.2.2 RVSM policy and procedures in the oceanic airspace of sanya FIR

1. Identification of RVSM Airspace

1.1 Identification of RVSM Airspace

1.1The RVSM routes in the Oceanic airspace of Sanya FIR include: A1, L642, M771 and N892. The RVSM levels for L642, M771, N892 would be FL310, FL320, FL350, FL360, FL390 and FL400. The RVSM levels for A1 would be FL290, FL330, FL370, FL390 and FL410 for eastbound traffic or FL280, FL300, FL340, FL380 and FL400 for westbound traffic.

The boundary of the RVSM airspace is the same with the Oceanic airspace of Sanya FIR.

2. Airworthiness and Operational Approval and Monitoring

2.1 Approval process

Operators must obtain airworthiness and operational approval from the State of Registry or State of the Operator, as appropriate, to conduct RVSM operations. Relevant requirements will be contained in CAAC RVSM airworthiness and flight standards policies.

2.2 Aircraft monitoring

Operators are required to participate in the RVSM aircraft monitoring program. This is an essential element of the RVSM implementation program in that it confirms that the aircraft altitude-keeping performance standard is being met. The Asia Pacific Approvals Registry and Monitoring Organization (APARMO) will

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process the results of monitoring. For further information on RVSM monitoring, the APARMO web site can be accessed by:

(a)进入 FAA RVSM 网站的“RVSM Documentation”部分并点击 APARMO 网站的链接， 或

(a)Accessing the “RVSM Documentation” section of the FAA RVSM website and clicking on the link to the APARMO website or…

(b) 使用网址:

http://www.tc.faa.gov/niaab/act500/rvsm/aparmo_intro.html

(b)Using this Internet address:

http://www.tc.faa.gov/niaab/act500/rvsm/aparmo_intro.html

2.2.1 其它地区的监控结果可用来满足亚太地区的监控要求。APARMO 将与其它监控机构协调以获取该信息。运营人可按下面的地址与 APARMO 监控承包人联系，询问亚太地区的监控服务:

2.2.1 Monitoring accomplished for other regions can be used to fulfill the monitoring requirements for the Asia/Pacific region. The APARMO will coordinate with other monitoring agencies to access this information. For monitoring services in the Asia/Pacific region, operators should contact the APARMO monitoring contractor as follows:

电话：+1 202 863 2175

传真：+1 202 862 2398

电子邮件：monitor@cssiinc.com

Phone:+1 202 863 2175

Fax:+1 202 862 2398

Email: monitor@cssiinc.com

3. ACAS II 与应答机的装备

3. ACAS II and Transponder Equipage

3.1 ICAO 亚太地区 RVSM 实施工作组建议装备有 ACAS 并在 RVSM 空域飞行的航空器装备 ACAS II（具有 7.0 版本的 TCAS 系统符合 ICAO ACAS II 标准）。

3.1 The ICAO Asia/Pacific RVSM Implementation Task Force recommends that those aircraft equipped with ACAS and operated in RVSM airspace be equipped with ACAS II. (TCAS II systems with Version 7.0 incorporated meet ICAO ACAS II standards).

3.1.1 营运人应当按照中国 AIP 中的有关要求，安装符合要求的 ACAS II。

3.1.1 Operators shall equip their aircraft with ACAS II as required by AIP China.

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3.2 国际通用航空（IGA）应答机装备

ICAO 附件六第二部分阐明：自 2000 年 1 月 1 日起，IGA 飞机必须装备有被适当的国家当局认证为符合国际民航组织附件十规定的气压高度报告应答机。

3.2 INTERNATIONAL GENERAL AVIATION (IGA) TRANSPONDER EQUIPAGE.

ICAO Annex 6, Part II, states that, starting 1 January 2000, IGA airplanes shall be equipped with a pressure altitude reporting transponder certified by the appropriate State authority as meeting the provisions of Annex 10.

4. RVSM 空域中的飞行程序

4.1 在进入 RVSM 空域之前，飞行员应当检查所要求设备的状况。（有关飞行员的 RVSM 程序，见民航飞发[1999]144 号文件第 12.d 条或 FAA IG 91-RVSM 的附件 4）。下列设备应当工作正常：

(a) 两套主用高度测量系统；

(b) 一套自动高度保持装置；及

(c) 一套高度告警装置。

4.2 有关在应急情况中飞行员和管制员的行动，参见 ENR3.3.2.2-附件 A 或 FAA IG 91-RVSM 的附件 5。当航空器处于以下情况时，飞行员必须通知 ATC：

(a) 由于设备失效，不再继续执行 RVSM；或

(b) 失去高度测量系统的冗余；或

(c) 遇上影响保持高度能力的颠簸。

4.3 飞行高度层间的过渡

4. In-flight Procedures within RVSM Airspace

4.1 Before entering RVSM airspace, the pilot should review the status of required equipment (see 12.d of CAAC flight standards [1999] Doc 144, or Appendix 4 of FAA IG 91-RVSM for pilot RVSM procedures). The following equipment should be operating normally:

(a) two primary altimetry systems;

(b) one automatic altitude-keeping device; and

(c) One altitude-alerting device.

4.2 See ENR3.3.2.2-Attachment A or Appendix 5 of FAA IG 91-RVSM for pilot and controller actions in contingencies. The pilot must notify ATC whenever the aircraft:

(a) Is no longer RVSM compliant due to equipment failure; or

(b) Experiences loss of redundancy of altimetry systems; or

(c) Encounters turbulence that affects the capability to maintain flight level.

4.3 Transition between FL's

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在许可的高度层间进行过渡时，航空器在指定的高度层上改平不得提前或滞后超过 150 英尺（45 米）。

During cleared transition between levels, the aircraft should not overshoot or undershoot the assigned FL by more than 150 ft (45 m).

4.4 飞行员高度层报告

在 RVSM 空域内除有 ADS 或雷达管制的条件外，飞行员到达任何指定高度，都必须报告。

4.4 Pilot level call

Except in an ADS or radar environment, pilots shall report reaching any altitude assigned within RVSM airspace.

4.5 应急程序

下列 5、6、7 和 8 各段中包含有已根据 RVSM 运行进行更新后的飞行中应急程序。在海洋飞行中应当应用 5 至 6 中的应急程序和 8 中的偏离程序。7 中的绕飞天气程序可适用于本区的所用空域。

4.5 Contingency procedures

Paragraphs 5, 6, 7 and 8 below contain procedures for in-flight contingencies that have been updated for RVSM operations. The contingency procedures in paragraphs 5-6 and the offset procedures in paragraph 8 should be applied in Oceanic operations. The weather deviation procedures in paragraph 7 may be applied in all airspaces in the region.

5. 三亚飞行情报区海洋空域内飞行中应急情况的处置程序

通用程序

5.1 下列通用程序仅作指导之用，它们适用于亚音速和超音速两种航空器。它们尽管不能涵盖所有可能的应急情况，却提供有由于以下原因不能保持高度的情况:

(a) 天气;

(b) 航空器性能;

(c) 增压失效；及

(d) 与高空超音速飞行相关的故障。

5. Special procedures for In-flight contingencies in Oceanic Airspace in the Sanya FIR

General procedures

5.1 The following general procedures apply to both subsonic and supersonic aircraft and are intended as guidance only. Although all possible contingencies cannot be covered, they provide for cases of inability to maintain assigned level due to:

(a) Weather;

(b) Aircraft performance;

(c) Pressurization failure; and

(d) Problems associated with high-level supersonic flight.

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5.2 本程序主要适用于要求迅速下降及/或返航或备降的情况。飞行员应根据对特定情况的判断而最终决定如何先后采取多种行动。

5.2 The procedures are applicable primarily when rapid descent and/or turn-back or diversion to an alternate airport is required. The pilot's judgment shall determine the sequence of actions to be taken, taking into account specific circumstances.

5.3 如果航空器不能按照空中交通管制许可继续飞行，在采取任何行动之前应当尽可能获取修订的 ATC 许可，必要时可使用遇险或紧急信号。

5.3 If an aircraft is unable to continue flight in accordance with its air traffic control clearance, a revised clearance shall, whenever possible, be obtained prior to initiating any action, using a distress or urgency signal as appropriate.

5.4 如果航空器驾驶员不能事先获得许可，采取行动之后应当及早获取 ATC 许可；在收到修改的许可之前，飞行员应当：

5.4 If prior clearance cannot be obtained, an ATC clearance shall be obtained at the earliest possible time and, until a revised clearance is received, the pilot shall:

(a) 如有可能，偏出有组织的航迹或航线系统；

(a)If possible, deviate away from an organized track or route system;

(b) 在现用的频率及 121.5 MHz 频率上以（或者，作为备份手段，在飞行员之间的空对空 VHF 频率 123.45 MHz 上），以合适的时间间隙、用广播方式与附近航空器建立联系并对它们进行警告，内容包括：航班号、飞行高度层、航空器位置（包括 ATS 航线名称或航迹代号）和意图；

(b)Establish communications with and alert nearby aircraft by broadcasting, at suitable intervals: flight identification, flight level, aircraft position, (including the ATS route designator or the track code) and intentions on the frequency in use, as well as on frequency 121.5 MHz (or, as a back-up, the VHF inter-pilot air-to-air frequency 123.45 MHz);

(c) 目视或参照 ACAS（如果装备有）观察冲突活动；并

(c)Watch for conflicting traffic both visually and by reference to ACAS (if equipped); and

(d) 打开航空器所有外部灯光（要符合必要的运行限制）。

(d)Turn on all aircraft exterior lights (commensurate with appropriate operating limitations).

6. 三亚飞行情报区海洋空域内要求迅速下降、返航或备降的亚音速航空器的飞行中应急程序

6. In-flight Contingency Procedures for Subsonic Aircraft Requiring Rapid Descent, Turn-Back or

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Diversion in Oceanic Airspace in the Sanya FIR.

起始行动

6.1 航空器如果不能按照 5.3 中的规定获得修改的 ATC 许可，如果可行，应当右转或左转 90 度，离开其指定航线或航迹。转弯的方向应当根据航空器相对于有组织的航线或航迹系统的位置确定（例如：航空器是位于系统之外，系统的边缘，或是系统之内）。其它应当考虑的因素还有：超障余度和分配给相邻航线或航迹的高度层。

Initial action

6.1 If unable to comply with the provisions of paragraph 5.3 to obtain a revised ATC clearance, the aircraft should leave its assigned route or track by turning 90 degrees right or left whenever this is possible. The direction of the turn should be determined by the position of the aircraft relative to any organized route or track system (for example, whether the aircraft is outside, at the edge of, or within the system). Other factors to consider are terrain clearance and the levels allocated to adjacent routes or tracks.

随后行动

6.2 航空器可以保持高度层

可以保持指定高度层的航空器，应当获取并保持一个距指定航线或航迹左右两侧侧向间隔为 25 NM 的航迹，在建立偏离航迹后，上升或下降 500 英尺（150 米）。

Subsequent action

6.2 Aircraft able to maintain level

An aircraft able to maintain its assigned level should acquire and maintain in either direction a track laterally separated by 25 NM from its assigned route or track and once established on the offset track, climb or descend 500 ft (150m).

6.3 航空器不能保持高度层

不能保持指定高度层的航空器，在转弯获取并保持一个距指定航线或航迹左右两侧侧向间隔为 25NM 的航迹过程中，如果可行，应当将下降率控制为最小。之后应当选取与正常使用的高度层相差 500 英尺（150 米）的飞行高度层。

6.3 Aircraft unable to maintain level

An aircraft NOT able to maintain its assigned level should, whenever possible, minimize its rate of descent while turning to acquire and maintain in either direction a track laterally separated by 25 NM from its assigned route or track. For subsequent level flight, a level should be selected which differs by 500 ft (150 m) from those normally used.

6.4 改航穿越相邻的航线

6.4 Diversion across the flow of adjacent traffic

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航空器在开始改航穿越相邻的航线之前，应当保持偏离中心线 25NM，加速上升或下降到大多数航空器飞行的各高度层之上或之下(例: 到 FL400 之上或 FL290 之下)，然后保持与正常使用的高度层相差 500 英尺（150 米）的高度层。然而，如果飞行员不能或不愿进行大幅度上升或下降，在获得新 ATC 许可之前，航空器应当在正常使用的各飞行高度层之上或之下 500 英尺（150 米）处的高度层飞行。

Before commencing a diversion across the flow of adjacent traffic, the aircraft should, while maintaining the 25 NM offset, expedite climb above or descent below levels where the majority of aircraft operate (e.g. to a level above FL400 or below FL290) and then maintain a level which differs by 500 ft (150 m) from those normally used. However, if the pilot is unable or unwilling to carry out a major climb or descent, the aircraft should be flown at a level 500 ft above or below levels normally used until a new ATC clearance is obtained.

6.5 延程飞行（ETOPS）航空器

如果双发航空器由于发动机关车或 ETOP 关键系统失效使用本应急程序，飞行员应当将情况尽快告知 ATC，提醒 ATC 所涉及的航空器类型并请求迅速处置。

6.5 Etops aircraft

If these contingency procedures are employed by a twin-engine aircraft as a result of an engine shutdown or a failure of an ETOPS critical system, the pilot should advise ATC as soon as practicable of the situation, reminding ATC of the type of aircraft involved and requesting expeditious handling.

7. 三亚飞行情报区海洋空域的绕飞天气程序

7. Weather Deviation Procedures in the Oceanic Airspace of Sanya FIR.

通用程序

7.1 下列程序旨在提供指导，并不涵盖所有可能发生的情况。飞行员的判断应最终决定如何先后采取的行动；管制员必须尽一切可能提供协助。

General procedures

7.1 The following procedures are intended to provide guidance. All possible circumstances cannot be covered. The pilot's judgment shall ultimately determine the sequence of actions taken and ATC shall render all possible assistance.

7.2 如果航空器有必要偏离航线绕飞天气，且不能事先获得许可，之后应当尽早获取空中交通管制许可。

7.2 If the aircraft is required to deviate from track to avoid weather and prior clearance cannot be obtained,

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同时航空器应当遵循 7.9 中的详细程序。

an air traffic control clearance shall be obtained at the earliest possible time. In the meantime, the aircraft shall follow the procedures detailed in paragraph 7.9 below.

7.3 当不再需要绕飞或绕飞结束并返回到原许可航线的中心线时，飞行员应当告知 ATC。

7.3 The pilot shall advise ATC when weather deviation is no longer required, or when a weather deviation has been completed and the aircraft has returned to the centerline of its cleared route.

7.4 当飞行员联系 ATC 时，讲明“WEATHER DEVIATION REQUIRED”可以获得迅速回答；这表示期望在频率上通信和 ATC 回答时予以优先。

7.4 When the pilot initiates communications with ATC, rapid response may be obtained by stating "WEATHER DEVIATION REQUIRED" to indicate that priority is desired on the frequency and for ATC response.

7.5 飞行员还可以选择使用紧急呼叫通信“PAN PAN”，以警示收听各方这是需要特殊处置的情况，以优先获得 ATC 发布许可或协助。

7.5 The pilot still retains the option of initiating the communications using the urgency call "PAN PAN" to alert all listening parties to a special handling condition, which may receive ATC priority for issuance of a clearance or assistance.

7.6 在建立管制员与飞行员的联络时，飞行员应当告知 ATC 并请求偏离航迹的许可；如有可能，同时告知希望绕飞的范围。ATC 将采取下列行动之一:

7.6 When controller-pilot communications are established, the pilot shall notify ATC and request clearance to deviate from track, advising, when possible, the extent of the deviation expected. ATC will take one of the following actions:

(a) 如果在水平范围内没有冲突活动，ATC 将发布偏离航迹的许可；或

(a) If there is no conflicting traffic in the horizontal dimension, ATC will issue clearance to deviate from track; or

(b) 如果在水平范围内有冲突活动，ATC 将建立垂直间隔进行调配；如果不能建立垂直间隔，ATC 将:

(b) If there is conflicting traffic in the horizontal dimension, ATC will separate aircraft by establishing vertical separation or, if unable to establish vertical separation, ATC shall:

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i) 告知飞行员不能发布其申请绕飞的许可

i) Advise the pilot unable to issue clearance for requested deviation

ii) 告知飞行员冲突活动

ii) Advise pilot of conflicting traffic

iii) 询问飞行员意图

iii) Request pilot's intentions

术语样例:

SAMPLE PHRASEOLOGY:

“Unable (申请的绕飞), traffic is (呼号、位置、高度、方向), advise intentions.”

“Unable (requested deviation), traffic is (call sign, position, altitude, direction), advise intentions.”

7.7 飞行员将采取以下行动:

7.7 The pilot will take the following actions:

(a)以可用的、最迅速的方式将意图告知给 ATC。

(a) Advise ATC of intentions by the most expeditious means available.

(b)遵照已发布的空中交通管制许可，或

(b) Comply with air traffic control clearance issued or…

(c)执行以下 7.9 中的程序（ATC 将为所有受影响的航空器发布重要交通情报）。

(c) Execute the procedures detailed in 7.9 below (ATC will issue essential traffic information to all affected aircraft).

(d)如有必要，可与 ATC 建立话音通信，以加速有关情况的对话。

(d) If necessary, establish voice communications with ATC to expedite dialogue on the situation.

无法获得修订的空中交通管制许可时应当采取的行动

Actions to be taken if a revised air traffic control clearance cannot be obtained.

7.8 当从安全考虑认为绝对必要时，依据飞行员可以背离空中规则（例: 沿航线或航迹中心线飞行的要求，ATC 另有指示除外）的条款，飞行员可以采取以下所列的行动。

7.8 The pilot shall take the actions listed below under the provision that the pilot may deviate from rules of the air (e.g., the requirement to operate on route or track center line unless otherwise directed by ATC), when it is absolutely necessary in the interests of safety to do so.

7.9 如果无法获得修改的空中交通管制许可并且必须偏离航迹避开天气时，飞行员应当采取以下行动:

7.9 If a revised air traffic control clearance cannot be obtained and deviation from track is required to avoid weather, the pilot shall take the following actions:

(a)如果可能，偏离有组织的航迹或航线系统;

(a) If possible, deviate away from an organized track or

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route system;

(b)在现用的频率及 121.5 MHz 频率上（或者，作为备份手段，在飞行员之间的空对空 VHF 频率 123.45 MHz 上），以合适的时间间隙、用广播方式与附近航空器建立联系并对它们予以告警，内容包括：航班号、飞行高度层、航空器位置（包括 ATS 航线名称或航迹代号）和意图（预计偏离的程度）；

(b) Establish communication with and alert nearby aircraft by broadcasting, at suitable intervals: flight identification, flight level, aircraft position (including the ATS route designator or the track code) and intentions (including the magnitude of the deviation expected) on the frequency in use, as well as on frequency 121.5 MHz (or, as a back-up, the VHF inter-pilot air-to-air frequency 123.45 MHz).

(c)目视或参照 ACAS（如果装备有）观察冲突活动；并

(c) Watch for conflicting traffic both visually and by reference to ACAS (if equipped);

(d)打开航空器所有外部灯光（符合相关的操作限制）；

(d) Turn on all aircraft exterior lights (commensurate with appropriate operating limitations);

(e)偏离小于 10NM 时，航空器应当保持 ATC 指定的高度；

(e) For deviations of less than 10NM, aircraft should remain at the level assigned by ATC;

(f)偏离大于 10NM 时，当航空器距航迹大约 10NM 时，按照以下准则改变高度层：

(f) For deviations of greater than 10NM, when the aircraft is approximately 10 NM from track, initiate a level change based on the following criteria:

航线中心线航迹 Route center line track	偏离大于 10NM Deviations >10 NM	高度层改变 Level change
东向 EAST 000°-179°磁航迹 magnetic	左 LEFT	下降 300 英尺 Descend 300 ft
	右 RIGHT	上升 300 英尺 Climb 300 ft
西向 WEST 180°-359°磁航迹 magnetic	左 LEFT	上升 300 英尺 Climb 300 ft

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	右 RIGHT	下降 300 英尺 Descend 300 ft

注：以上 7.9 中 b）和 c）要求飞行员：广播航空器的位置；识别冲突活动；并与附近航空器建立空对空联络。如果飞行员确定在同一高度层及其附近有可能冲突的另一架航空器，飞行员应当根据需要调整航空器路径避免冲突。

Note: 7.9 (b) and (c) above calls for the pilot to: broadcast aircraft position and pilot's intentions, identify conflicting traffic and communicate air-to-air with near-by aircraft. If the pilot determines that there is another aircraft at or near the same FL with which his aircraft might conflict, then the pilot is expected to adjust the path of the aircraft, as necessary, to avoid conflict.

(g)如果在偏离之前未建立联系，继续设法与 ATC 建立联系并获取许可。如果已建立联系，随时将意图告知给 ATC 并获取重要交通情报。

(g) If contact was not established prior to deviating, continue to attempt to contact ATC to obtain a clearance. If contact was established, continue to keep ATC advised of intentions and obtain essential traffic information.

(h)返回航迹过程中，当航空器距中心线约 10NM 时，保持指定的飞行高度层。

(h)When returning to track, be at its assigned flight level, when the aircraft is within approximately 10NM of centerline.

8. 三亚飞行情报区的海洋空域内减缓尾流影响和航空器系统警告干扰程序

8. Special Procedures to Mitigate Wake Turbulence Encounters and Distracting Aircraft System Alerts in the Oceanic Airspace of the Sanya FIR.

8.1 下列特殊程序适用于在亚太地区应用 RVSM 的空域内减缓尾流影响和航空器系统警告（例：ACAS、近地警告系统（GPWS））干扰:

8.1 The following special procedures are applicable to mitigate wake turbulence or distracting aircraft system alerts (e.g., ACAS, Ground Proximity Warning System (GPWS)) in Asia and Pacific airspace where RVSM is applied:

注: 在下列应急情况中，ATC 将不发布侧向偏离许可，

NOTE: in the contingency circumstances below, ATC

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一般也不对飞行员采取的行动做出反应。

will not issue clearances for lateral offsets and will not normally respond to actions taken by the pilots.

注: 在下列应急情况中，ATC 将不发布侧向偏离许可，一般也不对飞行员采取的行动做出反应。

NOTE: in the contingency circumstances below, ATC will not issue clearances for lateral offsets and will not normally respond to actions taken by the pilots.

8.2 遇上尾流或受到航空器系统警告干扰的航空器应当告知 ATC 并申请改变飞行高度层、航迹或速度，以避免这种情况。然而，在这些改变不可能或不可行的情况下，飞行员可以主动执行以下临时偏离程序，但应当尽可能早地返回中心线:

8.2 An aircraft that encounters wake vortex turbulence or experiences distracting aircraft system alerts shall notify ATC and request a flight level, track or speed change to avoid the condition. However, in situations where such a change is not possible or practicable, the pilot may initiate the following temporary lateral offset procedure with the intention of returning to center line as soon as practicable:

(a) 如果可能，在适当的 VHF 飞行员之间空对空频率 -123.45 MHz 上与其它航空器建立联络，并

(a) The pilot should establish contact with other aircraft, if possible, on the appropriate VHF inter-pilot air to air frequency; 123.45 MHz, and

(b) 其中一架（或双方）可主动进行距指定航迹不超过 2NM 的侧向偏离，但要求:

(b) One (or both) aircraft may initiate lateral offset(s) not to exceed 2 NM from the assigned track, provided that:

i)偏离航空器应当尽快通知 ATC 它已采取侧向偏离，并说明缘由（ATC 一般不会做出回答）; 并且

i)As soon as practicable to do so, the offsetting aircraft notify ATC that temporary lateral offset action has been taken and specify the reason for doing so (ATC will not normally respond); and

ii)当重新建立指定航线或航迹时，偏离航空器应当尽快通知 ATC（ATC 一般不会做出回答）

ii)The offsetting aircraft notify ATC when re-established on assigned route(s) or track(s) (ATC will not normally respond).

9. 过渡区域

9. Transition Areas

9.1 三亚飞行情报区海洋空域相邻的香港飞行情报区

9.1 The adjacent Hongkong FIR and Ho Chi Minh FIR

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和胡志明飞行情报区都为 RVSM 空域，故没有设立 RVSM 过渡区域。

are also RVSM airspace, so no RVSM Transition areas are established.

10. 飞行计划要求

10.1 除按以下有特殊安排外，在指定的 RVSM 空域内飞行，要求航空器取得 RVSM 批准。运营人必须确定有关国家当局已经给予他们 RVSM 运行准许并且满足填报的飞行航线与计划的备份航线的 RVSM 要求。在 ICAO 标准飞行计划的第 10 项（设备）中应当填入字母“W”，表示航空器和运营人都已取得 RVSM 批准。

10. Flight Planning Requirements

10.1 Unless special arrangement is made as detailed below, RVSM approval is required for operators and aircraft to operate within designated RVSM airspace. The operator must determine that the appropriate State authority has granted them RVSM operational approval and they will meet the RVSM requirements for the filed route of flight and any planned alternate routes. The letter “W” shall be inserted in item 10 (Equipment) of the ICAO standard flight plan to indicate that both the aircraft and operator are RVSM approved.

10.2 其他飞越三亚飞行情报区的飞行计划要求，见 CHINA AIP ENR 2.1.6.1。

10.2 Other flight planning requirements for flying over Sanya FIR are indicated in CHINA AIP ENR 2.1.6.1.

11. RVSM 空域中不符合 RVSM 运行的航空器的运行程序

11.1 飞行优先权

应当注意到：在高度层分配时，符合 RVSM 运行的航空器将获得优于不符合 RVSM 运行的航空器。

11. Procedures for Operation of Non-RVSM Compliant Aircraft in RVSM Airspace

11.1 Flight priority

It should be noted that RVSM approved aircraft will be given priority for level allocation over non-RVSM approved aircraft.

11.2 应用的间隔

在 RVSM 层内飞行的不符合 RVSM 运行的航空器与所有其它航空器之间的垂直间隔标准为 2 000 英尺。

11.2 Vertical separation applied

The vertical separation minimum between non-RVSM aircraft operating in the RVSM stratum and all other aircraft is 2 000 ft.

11.3 术语

在 RVSM 层内飞行的不符合 RVSM 运行的航空器应当使用附件 B 中的术语。

11.3 Phraseology

Non-RVSM compliant aircraft operating in RVSM airspace should use the phraseology contained in

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Attachment B.

11.4 不符合 RVSM 运行的航空器连续上升下降通过 RVSM 空域

11.4 Continuous climb/descent of non-compliant aircraft through RVSM airspace

可以许可不符合 RVSM 运行的航空器上升至 FL410 并在此高度层以上飞行，或者下降至 FL290 并在此高度层以下飞行，但航空器：

Non-RVSM compliant aircraft may be cleared to climb to and operate above FL410 or descend to and operate below FL290 provided that they:

(a) 不得以小于航空器的正常上升下降率上升或下降，并

(a) Do not climb or descend at less than the normal rate for the aircraft and

(b) 在通过 RVSM 层当中，不得在中间的高度层上改平。

(b) Do not level off at an intermediate level while passing through the RVSM stratum.

11.5 不符合 RVSM 运行的航空器在 RVSM 空域做巡航飞行的特殊协调程序

11.5 Special coordination procedures for cruise operation of Non-RVSM compliant aircraft in RVSM airspace

不符合 RVSM 运行的航空器不得计划在 RVSM 空域内 FL290 和 FL410（含）之间飞行，但下列情况除外：

Non-RVSM compliant aircraft may not flight plan between FL 290 and FL410 inclusive within RVSM airspace, except for the following situations:

(a) 该飞机正在被起始交付给注册国或运营人的航空器（见：12 中的附加详细资料）；或

(a) The aircraft is being initially delivered to the State of Registry or Operator (see Paragraph 12 for additional details and information); or

(b) 该飞机以前取得了 RVSM 批准，但在经历设备失效之后，为了满足 RVSM 要求或取得批准，正在飞往维修设施进行修理的航空器；或

(b) The aircraft was RVSM approved but has experienced an equipment failure and is being flown to a maintenance facility for repair in order to meet RVSM requirements and/or obtain approval; or

(c) 该飞机正在运送机翼下加装的发动机的航空器；或

(c) The aircraft is transporting a spare engine mounted under the wing; or

(d) 该飞机正在用作慈善或人道主义目的的航空器；或

(d) The aircraft is being utilized for mercy or humanitarian purposes; or

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(e) 国家航空器（用作军事、海关和公安服务的航空器被认作为国家航空器）。

(e) State aircraft (those aircraft used in military, custom and police services shall be deemed state aircraft)

11.5.1 上段所述的不符合 RVSM 运行的航空器飞行高度层的分配按照管制指令执行，航空器运营人应当在 ICAO 飞行计划中第 18 字段中填写“STS/任务性质(即 FERRY/ HUMANITARIAN/ MILITARY/CUSTOMS/POLICE)/NON-RVSM COMPLIANT”。

11.5.1 The assignment of cruising levels to non-RVSM compliant aircraft listed in paragraph 11.5 (a) to (e) shall be subject to an ATC clearance. Aircraft operators shall include the “STS/ Category of operations (i.e. FERRY/HUMANITARIAN/ MILITARY/CUSTOMS/POLICE)/NON-RVSM COMPLIANT” in Field 18 of the ICAO Flight Plan.

11.5.2 必要时，可以与有关单位联系，地址为：中国民航局空管局运行中心

AFTN:ZBBBZGZX

电传:(86-10) 65135983

三亚区域管制中心

电话:(86-898)65751408

AFTN: ZJSAZRZX

电传:(86-898)65751400

11.5.2 Where necessary, the unit or Air Traffic Control Centre may be contacted as follows:

The Operational Center of ATMB of CAAC:

AFTN:ZBBBZGZX

FAX:(86-10) 65135983

Sanya Area Control Center

Telephone:(86-898)65751408

AFTN:ZJSAZRZX

FAX:(86-898)65751400

11.5.3 本批准手续仅供以上指明的目的，不得用作逃避正常批准手续的手段。

11.5.3 This approval process is intended exclusively for the purposes indicated above and not as a means to circumvent the normal RVSM approval process.

12. 交付符合 RVSM 要求的航空器时的交付飞行

12. Delivery Flights for Aircraft that are RVSM Compliant on Delivery

12.1 符合 RVSM 要求的航空器，在交付时，可在 RVSM 空域飞行，但机组必须经过空域内有关的

12.1 An aircraft that is RVSM compliant on delivery may operate in RVSM airspace provided that the crew is

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RVSM 政策和程序的培训，并且有关国家为运营人颁发有准许运行的批准书。国家应当以书信、电子邮件或传真形式通知 APARMO，为该一次性飞行出具证明文件。其中应当包括：计划飞行日期，飞行识别，注册号和机型/系列等。

trained on RVSM policies and procedures applicable in the airspace and the responsible State issues the operator a letter of authorization approving the operation. State notification to the APARMO should be in the form of a letter, e-mail or fax documenting the one-time flight. The planned date of the flight, flight identification, registration number and aircraft type/series should be included.

13. RVSM 的暂停程序

13.1 当飞行员报告有中度以上颠簸时，空中交通服务将考虑在三亚飞行情报区海洋空域受影响的区域内暂停 RVSM 程序。在 RVSM 程序被暂停的区域内，所有航空器之间的垂直间隔标准为 2 000 英尺。高度层分配时,在六条主要的 RVAV 航路 L642、M771、N892、L625、N884 和 M767 上飞行的航空器将优先，其它与这六条主要航路交叉的航路，在其上飞行的航空器的高度层分配要经过与受影响的 FIR 协调。

13. Procedures for Suspension of RVSM

13.1 Air traffic services will consider suspending RVSM procedures within affected areas of the Oceanic Airspace of Sanya FIR when there are pilot reports of greater than moderate turbulence. Within areas where RVSM procedures are suspended, the vertical separation minimum between all aircraft will be 2 000 ft. In the assignment of levels, aircraft operating on the six major RNAV routes (viz L642, M771, N892, L625, N884 and M767) would have priority. Aircraft operating on routes that cross the six major routes would be assigned levels, subject to coordination with the affected FIRs.

14. 航空器系统故障或遇上中度以上颠簸情况下，管制员和飞行员的行动指导

14.1 在这些情况下的指导，见 ENR3.3.2.2-附件 A。

14. Guidance for Pilots and Controllers for Actions in the Event of Aircraft System Malfunction or Turbulence Greater than Moderate

14.1 See ENR3.3.2.2-Attachment A for guidance in these circumstances.

15. 陆空通信失效程序的处置程序

15.1 结合中国 AIP，按照 ICAO 空中导航服务程序空

15. Procedures for Air-Ground Communication Failure

15.1 The air-ground communication failure procedures

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中交通管理-4444 文件中所规定的陆空通信失效程序。

specified in ICAO PANS-ATM Doc 4444 should be applied, in conjunction with AIP China.

应急情形

以下各段总结了在一些应急情况下飞行员减小与其它航空器潜在冲突可能性的行动。在查看这些行动时，应当参照含有扩展的应急情况的附件 A-扩充的设备失效和遇上颠簸的情形，在其中有附加的技术和运行细节。

Contingency scenarios

The following paragraphs summarize pilot actions to mitigate the potential for conflict with other aircraft in certain contingency situations. They should be reviewed in conjunction with the expanded contingency scenarios detailed on Attachment A-Expanded equipment failure and turbulence encounter scenarios, which contain additional technical and operational detail.

情形 1：飞行员：1）由于主高度测量系统失效或等级降低，不知航空器的垂直位置，或 2）由于颠簸或所有自动高度控制系统失效，不知是否有能力保持许可的飞行高度层

*Scenario 1: The pilot is: 1) unsure of the vertical position of the aircraft due to the loss or degradation of all primary altimetry systems, or 2) unsure of the capability to maintain cleared flight level (CFL) due to turbulence or loss of all automatic altitude control systems.

飞行员应当: The Pilot should:	可期待 ATC: ATC can be expected to:
在评估情况的同时保持 CFL Maintain CFL while evaluating the situation;	
目视或参照 ACAS(如果装备有)观察冲突活动 Watch for conflicting traffic both visually and by reference to ACAS, if equipped;	
如果认为必要,用以下方式警告附近航空器: 1)充分使用外部灯光; 2)在 121.5MHz 上(作为备份手段,可使用飞行员之间的空对空 VHF 频率 123.45),广播位置、飞行高度层和	

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意图。 If considered necessary, alert nearby aircraft by 1)making maximum use of exterior lights; 2)Broadcasting position, FL, and intentions on 121.5?MHz (as a back up, the VHF inter-pilot air-to-air frequency, 123.45MHz, may be used).	
将情况和打算采取的行动告知 ATC。可能采取的行动包括: Notify ATC of the situation and intended course of action. Possible courses of action include:	获取飞行员的意图;发送重要交通情报。 Obtain the pilot's intentions and pass essential traffic information.
1)如果 ATC 能够提供侧向、纵向或常规的垂直间隔,保持 CFL 和航线 1)Maintaining the CFL and route provided that ATC can provide lateral, longitudinal or conventional vertical separation.	1)如果飞行员打算继续在 RVSM 空域中飞行,评估交通情况并确定可否为该航空器配备侧向、纵向或常规的垂直间隔;如果可以,应用恰当的标准。 1)If the pilot intends to continue in RVSM airspace, assess traffic situation to determine if the aircraft can be accommodated through the provision of lateral, longitudinal, or conventional vertical separation, and if so, apply the appropriate minimum.
2)如果航空器无法保持 CFL 并且 ATC 无法建立与其它航空器足够的间隔,申请上升到 RVSM 空域之上或下降到它之下的 ATC 许可。 2)Requesting ATC clearance to climb above or descend below RVSM airspace if the aircraft cannot maintain CFL and ATC cannot establish adequate separation from other aircraft.	2)如果飞行员申请脱离 RVSM 空域,如果可能,迅速安排。 2)If the pilot requests clearance to exit RVSM airspace, accommodate expeditiously, if possible.
3)如果无法获得 ATC 许可并且航空器无法保持 CFL,执行5和6中所述的应急机动飞行,偏出指定航迹和飞行高度层。	3)如果无法保持足够的间隔并且不可能允许飞行员脱离 RVSM 空域的申请,告知附近其它航空器并继续监视情况。

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3)Executing the contingency maneuver shown in paragraphs 5 and 6 to offset from the assigned track and FL, if ATC clearance cannot be obtained and the aircraft cannot maintain CFL.	3)If adequate separation cannot be established and it is not possible to comply with the pilot's request for clearance to exit RVSM airspace, advise the pilot of essential traffic information, notify other aircraft in the vicinity and continue to monitor the situation.
	4)将情况告知邻近的 ATC 单位/扇区 4)Notify adjoining ATC facilities/sectors of the situation.

情形 2: 一套主用高度测量系统失效或失准（例: 两套主用高度表相差大于 200 英尺）

Scenario 2: There is a failure or loss of accuracy of one primary altimetry system (e.g., greater than 200 foot difference between primary altimeters)

飞行员应当: The Pilot should
对照检查备用高度表,证实主用高度表系统的准确性并告知 ATC 失去冗余。如果不能证实主用高度表系统的准确性,遵照前一情形中所列出的飞行员行动。 Cross check standby altimeter, confirm the accuracy of a primary altimeter system and notify ATC of the loss of redundancy. If unable to confirm primary altimeter system accuracy, follow pilot actions listed in the preceding scenario.

扩充的设备失效和遇上颠簸的情形

Expanded equipment failure and turbulence encounter scenarios.

运营人可考虑用本材料作培训科目。

Operators may consider this material for use in training programs.

情形 1: 所有自动高度控制系统失效（例: 自动高度保持）

*Scenario 1: All automatic altitude control systems fail (e.g., Automatic Altitude Hold).

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飞行员应当: The Pilot should	可期待 ATC: ATC can be expected to
起始 Initially	
保持 CFL Maintain CFL	
评估航空器通过人工操纵保持高度的能力。 Evaluate the aircraft's capability to maintain altitude through manual control.	
随后 Subsequently	
目视或参照 ACAS(如果装备有)观察冲突活动 Watch for conflicting traffic both visually and by reference to ACAS, if equipped.	
如果认为必要,用以下方式警告附近航空器: 1)充分使用外部灯光; 2)在 121.5MHz 上(作为备份手段,可使用飞行员之间的空对空 VHF 频率 123.45),广播位置、飞行高度层和意图。 If considered necessary, alert nearby aircraft by 1)making maximum use of exterior lights; 2)Broadcasting position, FL, and intentions on 121.5MHz (as a back-up, the VHF inter-pilot air-to-air frequency, 123.45MHz, may be used.)	
将失效情况和打算采取的行动告知 ATC。可能采取的行动包括: Notify ATC of the failure and intended course of action. Possible courses of action include:	

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1)如果航空器能保持高度,保持 CFL 和航线 1)Maintaining the CFL and route, provided that the aircraft can maintain level.	1)如果飞行员打算继续在 RVSM 空域中飞行,评估交通情况并确定可否为该航空器配备侧向、纵向或常规的垂直间隔;如果可以,应用恰当的标准。 1)If the pilot intends to continue in RVSM airspace, assess traffic situation to determine if the aircraft can be accommodated through the provision of lateral, longitudinal, or conventional vertical separation, and if so, apply the appropriate minimum.
2)如果航空器无法保持 CFL 并且 ATC 无法建立侧向、纵向或常规垂直间隔,申请上升到 RVSM 空域之上或下降到它之下的 ATC 许可。 2)Requesting ATC clearance to climb above or descend below RVSM airspace if the aircraft cannot maintain CFL and ATC cannot establish lateral, longitudinal or conventional vertical separation.	2)如果飞行员申请脱离 RVSM 空域,如果可能,迅速安排。 2)If the pilot requests clearance to exit RVSM airspace, accommodate expeditiously, if possible.
3)如果无法获得 ATC 许可并且航空器无法保持 CFL,执行 5 和 6 中所述的应急机动飞行,偏出指定航迹和飞行高度层。 3)Executing the contingency maneuver shown in paragraphs 5 and 6 to offset from the assigned track and FL, if ATC clearance cannot be obtained and the aircraft cannot maintain CFL.	3)如果无法保持足够的间隔并且不可能允许飞行员脱离 RVSM 空域的申请,告知附近其它航空器并继续监视情况。 3)If adequate separation cannot be established and it is not possible to comply with the pilot's request for clearance to exit RVSM airspace, advise the pilot of essential traffic information, notify other aircraft in the vicinity and continue to monitor the situation.
	4)将情况告知邻近的 ATC 单位/扇区 4)Notify adjoining ATC facilities/ sectors of the situation.

情形 2: 主用高度测量系统的失去冗余 *Scenario 2: Loss of redundancy in primary altimetry

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systems

飞行员应当: The Pilot should	可期待 ATC: ATC can be expected to
如果剩余高度测量系统工作正常,将该系统与自动高度控制系统耦合,告知 ATC 失去冗余并注意高度的保持。 If the remaining altimetry system is functioning normally, couple that system to the automatic altitude control system, notify ATC of the loss of redundancy and maintain vigilance of altitude keeping.	表示收到情况的报告并继续监视进展情况。 Acknowledge the situation and continue to monitor progress.

情形 3:所有的主用高度测量系统都被认为是不可靠的或失效的

Scenario 3: All primary altimetry systems are considered unreliable or fail

飞行员应当: The Pilot should	可期待 ATC: ATC can be expected to
参照备用高度表(如果航空器装备有)保持 CFL Maintain CFL by reference to the standby altimeter (if the aircraft is so equipped).	
如果认为必要,用以下方式警告附近航空器: 1) 充分使用外部灯光; 2)在 121.5MHz 上(作为备份手段,可使用飞行员之间的空对空 VHF 频率 123.45),广播位置、飞行高度层和意图。 Alert nearby aircraft by 1)making maximum use of exterior lights; 2)Broadcasting position, FL, and intentions on	

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121.5?MHz (as a back up, the VHF inter-pilot air-to-air frequency, 123.45MHz, may be used).	
考虑宣布紧急情况,将失效情况和打算采取的行动告知 ATC。可能采取的行动包括: Consider declaring an emergency. Notify ATC of the failure and intended course of action. Possible courses of action include:	获取飞行员的意图;发送重要交通情报。 Obtain pilot's intentions, and pass essential traffic information.
1)如果 ATC 能够提供侧向、纵向或常规的垂直间隔,保持 CFL 和航线 1)Maintaining CFL and route provided that ATC can provide lateral, longitudinal or conventional vertical separation.	1)如果飞行员打算继续在 RVSM 空域中飞行,评估交通情况并确定可否为该航空器配备侧向、纵向或常规的垂直间隔;如果可以,应用恰当的标准。 1)If the pilot intends to continue in RVSM airspace, assess traffic situation to determine if the aircraft can be accommodated through the provision of lateral, longitudinal, or conventional vertical separation, and if so, apply the appropriate minimum.
2)如果 ATC 无法建立与其它航空器足够的间隔,申请上升到 RVSM 空域之上或下降到它之下的 ATC 许可。 2)Requesting ATC clearance to climb above or descend below RVSM airspace if ATC cannot establish adequate separation from other aircraft.	2)如果飞行员申请脱离 RVSM 空域,如果可能,迅速安排。 2)If the pilot requests clearance to exit RVSM airspace, accommodate expeditiously, if possible.
3)如果无法获得 ATC 许可,执行 5 和 6 中所述的应急机动飞行,偏出指定航迹和飞行高度层。 3)Executing the contingency maneuver shown in paragraphs 5 and 6 to offset from the assigned track and FL, if ATC clearance cannot be obtained.	3)如果无法保持足够的间隔并且不可能允许飞行员脱离 RVSM 空域的申请,告知飞行员重要交通情报,通知附近其它航空器并继续监视情况。 3)If adequate separation cannot be established and it is not possible to comply with the pilot's request for clearance to exit RVSM airspace, advise the pilot of essential traffic information, notify other aircraft in the vicinity and continue to monitor the situation.

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	4)将情况告知邻近的 ATC 单位扇区 4)Notify adjoining ATC facilities/sectors of the situation.

情形 4: 主用高度测量系统之间相差 200 英尺(60 米)以上

Scenario 4: The primary altimeters diverge by more than 200ft (60m)

飞行员应当: The Pilot should
使用确立的故障排除程序并且/或者比较主用高度表与备用高度表(如果必要,按修正卡进行修正)的偏差设法断定故障系统。 Attempt to determine the defective system through established trouble-shooting procedures and/or comparing the primary altimeter displace to the standby altimeter (as corrected by the correction cards, if required).
如果可以断定故障系统,将工作正常的高度表系统与高度保持装置耦合。 If the defective system can be determined, couple the functioning altimeter system to the altitude-keeping device.
如果无法断定故障系统,遵循情形 3 种的所有主用高度表的高度指示失效或不可靠的指导。 If the defective system cannot be determined, follow the guidance in Scenario 3 for failure or unreliable altimeter indications of all primary altimeters.

情形 5: 飞行员确信会影响航空器保持飞行高度层的颠簸情况（中度以上）

*Scenario 5: Turbulence (greater than moderate) which the pilot believes will impact the aircraft's capability to maintain flight level.

飞行员应当: The Pilot should	可期待 ATC: ATC can be expected to
目视或参照 ACAS (如果装备有)观察冲突活动 Watch for conflicting traffic both visually and by	

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reference to ACAS, if equipped.	
如果认为必要,用以下方式警告附近航空器: 1)充分使用外部灯光; 2)在 121.5MHz 上(作为备份手段,可使用飞行员之间的空对空 VHF 频率 123.45),广播位置、飞行高度层和意图。 If considered necessary, alert nearby aircraft by: 1)making maximum use of exterior lights; 2)Broadcasting position, FL, and intentions on 121.5?MHz (as a back up, the VHF inter-pilot air-to-air frequency, 123.45MHz, may be used).	
将打算采取的行动尽快告知 ATC。可能采取的行动包括: Notify ATC of intended course of action as soon as possible. Possible courses of action include:	
1)如果 ATC 能够提供侧向、纵向或常规的垂直间隔,保持 CFL 和航线 1)Maintaining CFL and route provided ATC can provide lateral, longitudinal or conventional vertical separation.	1)评估交通情况并确定可否为该航空器配备侧向、纵向或常规的垂直间隔;如果可以,应用恰当的标准。 1)Assess traffic situation to determine if the aircraft can be accommodated through the provision of lateral, longitudinal, or conventional vertical separation, and if so, apply the appropriate minimum.
2)如有必要,申请改变飞行高度层 2)Requesting flight level change, if necessary.	2)如果不能提供足够的间隔,告知飞行员重要交通情报并询问飞行员的意图。 2)If unable to provide adequate separation, advise the pilot of essential traffic information and request pilot's intentions.
3)如果无法获得 ATC 许可并且航空器无法保持 CFL,执行5和6中所述的应急机动飞行,偏出指定航迹和飞	3)告知附近其它航空器并监视情况。 3)Notify other aircraft in the vicinity and monitor the

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行高度层。 3)Executing the contingency maneuver shown in paragraphs 5 and 6 to offset from the assigned track and FL, if ATC clearance cannot be obtained and the aircraft cannot maintain CFL.	situation.
	4)将情况告知邻近的 ATC 单位/扇区 4)Notify adjoining ATC facilities/sectors of the situation.

有关 RVSM 运行的术语

管制员-飞行员术语:

Phraseology Related to RVSM Operations

Controller-pilot phraseology:

语义 Message	术语 Phraseology
用于管制员确认航空器的 RVSM 准许状况: For a controller to ascertain the RVSM approval status of an aircraft:	(呼号 call sign) COMFIRM RVSM APPROVED
用于飞行员报告非 RVSM 准许状况: i)在 RVSM 空域的频率上首次呼叫(管制员将复诵相同的短语),及 ii)在申请所有有关 RVSM 空域的飞行高度层的飞行高度层改变时;及 iii)在复诵所有有关 RVSM 空域的飞行高度层的飞行高度层许可时。 此外,除国家航空器外,飞行员在复诵涉及垂直穿越 FL 290 或 FL 410 的飞行高度层许可时应当包括该短语。见下面的例子。 For a pilot to report non-RVSM approval status:	NEGATIVE RVSM*

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i)on the initial call on any frequency within the RVSM airspace (controllers shall provide a readback with this same phrase), and ii)in all requests for flight level changes pertaining to flight levels within the RVSM airspace; and iii) In all read-backs to flight level clearances pertaining to flight levels within the RVSM airspace. Additionally, except for State aircraft, pilots shall include this phrase to read back flight level clearances involving the vertical transit through FL 290 or FL 410. See examples that follow.	
用于飞行员报告 RVSM 准许状况。 For a pilot to report RVSM approval status.	AFFIRM RVSM*
用于非 RVSM 准许的国家航空器的飞行员在回答短语“(呼号)CONFIRM RVSM APPROVED”时,报告非 RVSM 准许状况。 For a pilot of a non-RVSM approved State aircraft to report non-RVSM approval status, in response to the phrase (call sign) CONFIRM RVSM APPROVED.	NEGATIVE RVSM STATE AIRCRAFT*
用于拒绝进入 RVSM 空域 Denial of clearance into the RVSM airspace:	(呼号 call sign)UNABLE CLEARANCE INTO RVSM AIRSPACE, MAINTAIN [or DESCEND TO, or CLIMB TO] FLIGHT LEVEL (数字 number)
用于飞行员报告严重颠簸影响航空器保持 RVSM 的高度保持要求的能力 For a pilot to report when severe turbulence affects the aircraft’s capability to maintain the height-keeping requirements for RVSM.	UNABLE RVSM DUE TURBULENCE*
用于飞行员报告航空器的设备等级已经降低到	UNABLE RVSM DUE EQUIPMENT*

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RVSM 空域内飞行所要求的 MASPS 以下。 (该短语用来表示不符和 MASPS,既用于起始时,也用于在问题消除之前或航空器脱离 RVSM 空域之前,在 RVSM 空域的侧向界限之内的所用频率上的首次联络时。) For a pilot to report that the aircraft's equipment has degraded enroute below that required for flight within the RVSM airspace. (See Attachment A) (This phrase is to be used to convey both the initial indication of the non-MASPS compliance, and henceforth, on initial contact on all frequencies within the lateral limits of the RVSM airspace until such time as the problem ceases to exist, or the aircraft has exited the RVSM airspace.)	
用于在设备或与天气有关的应急情况之后,飞行员报告可恢复在 RVSM 空域飞行的能力。 For a pilot to report the ability to resume operations within the RVSM airspace after an equipment or weather-related contingency.	READY TO RESUME RVSM
用于管制员确认航空器已经再次取得 RVSM 准许的状况,或确认飞行员已经准备好恢复 RVSM 飞行。 For a controller to confirm that an aircraft has regained its RVSM approval status or to confirm that the pilot is ready to resume RVSM operations.	REPORT ABLE TO RESUME RVSM

例 1:非 RVSM 准许的国家航空器,现在保持 FL 260,

随后申请上升到 FL 320。

Example 1: A non-RVSM approved aircraft, maintaining

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FL 260, subsequently requests a climb to FL 320.

Pilot: (call sign) REQUEST FL 320, NEGATIVE RVSM

Controller: (call sign) CLIMB TO FL 320

Pilot:(call sign) CLIMB TO FL 320, NEGATIVE RVSM

例 2:非 RVSM 准许的国家航空器,现在保持 FL 260,

随后申请上升到 FL 430。

Example 2: A non-RVSM approved aircraft, maintaining

FL 260, subsequently requests a climb to FL 430.

Pilot(call sign) REQUEST FL 430, NEGATIVE RVSM

Controller:#x20;(call sign) CLIMB TO FL 430

Pilot:(call sign) CLIMB TO FL 430, NEGATIVE RVSM

例 3: 非 RVSM 准许的国家航空器,现在保持 FL 360,

随后申请上升到 FL 380。

Example 3: A non-RVSM approved aircraft,

maintaining FL 360, subsequently requests a climb to

FL 380.

Pilot:(call sign) REQUEST FL 380, NEGATIVE RVSM

Controller:(call sign) CLIMB TO FL 380

Pilot:(call sign) CLIMB TO FL 380, NEGATIVE RVSM

例 4: 非 RVSM 准许的民用航空器,现在保持 FL 280,

随后申请上升到 FL 320。

Example 4: A non-RVSM approved civil aircraft

maintaining FL 280, subsequently requests a climb to

FL 320.

Pilot:(call sign) REQUEST FL 320, NEGATIVE RVSM

Controller:#x20;(call sign) UNABLE CLEARANCE

INTO RVSM AIRSPACE, MAINTAIN FL 280

ATS 部门之间的协调

Coordination between ATS units

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段落 Para	语义 Message	术语 Phraseology
1	口头补充未能自动传输的第 18 项飞行计划信息的自动化预计电报交换 To verbally supplement an automated estimate message exchange which does not automatically transfer Item 18 flight plan information.	NEGATIVE RVSM or NEGAVIVE RVSM STATE AIRCRAFT [根据可应用性 as applicable]
2	口头补充非 RVSM 准许航空器的预计电报 To verbally supplement estimate messages of non-RVSM approved aircraft.	NEGATIVE RVSM or NEGAVIVE RVSM STATE AIRCRAFT [根据可应用性 as applicable]
3	交流有关航空器由于严重颠簸或严重的天气现象[设备失效,根据可应用性]造成的不能进行 RVSM 飞行的原因 To communicate the cause of a contingency relating to an aircraft that is unable to conduct RVSM operations due to severe turbulence or other severe weather-related phenomenon [or equipment failure, as applicable].	UNABLE RVSM DUE TURBULENCE [or EQUIPMENT, 根据可应用性 as applicable]

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3.3.2.3 三亚飞行情报区海洋空域实施策略横向偏移程序

在洋区空域的策略横向偏移程序

1. 横向偏移仅适用于三亚飞行情报区洋区空域内的A1、L642、M771 和 N892 航路。

2. 横向偏移仅适用于具有自动偏移跟踪能力的航空器。

3. 以下要求适用于使用横向偏移:

a.飞行机组负责决定是否使用策略横向偏移;

b.横向偏移只能在飞行方向中心线右侧 1 海里或者 2 海里的距离上实施;

c.设计策略横向偏移程序的目的是利用偏移来缓解前面航空器的尾流效应。如果需要避免尾流效应，则应当使用 3 种可用的方法之一（中心线、右侧偏移 1 海里或者 2 海里）;

d.在已经批准使用该程序的空域内，航空器驾驶员无须将正在使用偏移的情况通知空中交通管制单位。

e.航空器在允许偏移航迹的空域内，经过雷达或ADS-B 覆盖的区域时，可以启动或继续偏移，航空器驾驶员应将正在使用偏移的情况通知空中交通管制单位。

3.3.2.3 Implementation of strategic lateral offset procedures in the oceanic airspace of sanya FIR

Strategic lateral offsets in oceanic airspace

1. Offsets are only applied on routes A1, L642, M771 and N892 in the oceanic airspace of Sanya FIR.

2. Offsets are applied only by aircraft with automatic offset tracking capability.

3. The following requirements apply to the use of the offset:

a. The decision to apply a strategic lateral offset is the responsibility of the flight crew.

b. The offset shall be established at a distance of one or two nautical miles to the right of the centre line relative to the direction of flight.

c. The strategic lateral offset procedure has been designed to include offsets to mitigate the effects of wake turbulence of preceding aircraft. If wake turbulence needs to be avoided, one of the three available options (centerline, 1NM or 2NM right offset) shall be used.

d. In airspace where the use of lateral offsets has been authorized, pilots are not required to inform air traffic control that an offset is being applied.

e. Aircraft transiting areas of radar or ADS-B coverage in airspace where offset tracking is permitted may initiate or continue an offset, pilots are required to inform air traffic contorl that an offset is being applied.

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3.3.2.4 中国大陆地区提供 CPDLC/ADS-C 数据链服务的航路

1. 数据链服务范围和规范

中国大陆飞行情报区内提供CPDLC/ADS-C数据链服务的空域/航路范围包括：L888（KADKI-XKC 航段）、Y1、Y2。这些空域/航路的通信和监视手段，所需通信和/或监视性能规范，管制最低纵向间隔标准详见附件 A。相关管制单位 CPDLC/ADS-C 地面系统支持 FANS 1/A 应用。

2. 运营要求

拟使用数据链航路的航空公司开飞之前应向中国民用航空局空中交通管理局递交飞行申请，申请应包括：：a.城市对；b.航班时刻；c.开飞时间；d.使用机型；e.机队卫星电话号码表；f.航路紧急脱离程序（使用 Y1、Y2 航路不包括此项内容）。

航空运营人应当依据相关政策在航空公司注册国或航空器注册国取得 CPDLC 和 ADS-C 运行资质。

在 CPDLC/ADS-C 作为主用通信/监视手段的地区，管制单位在上述航路对于同时具备 RCP240 和 RSP180 能力的两架航空器之间可以执行缩小纵向间隔标准。但是，在以上航路运行时，并不强制要求航空器必须

3.3.2.4 Data link routes with CPDLC/ADS-C application in china mainland

1. Airspace of application and operational specification

In the China mainland airspace, the datalink service, CPDLC/ADS-C, is applied to the routes: L888 (KADKI-XKC), Y1 and Y2. Please refer to attachment A for the RCP/RSP specification, and the applied Longitudinal Separation Minima on above-mentioned routes. The relevant ATS units support FANS 1/A CPDLC/ADS-C applications.

2. Operational Requirement

The operators are required to submit a formal application to the Air Traffic Management Bureau of the Civil Aviation Administration of China before starting operations on the data link routes. The application shall include:a. City pairs;b. Flight Schedules;c. Starting time;d. Aircraft Type;e. Satellite telephone numbers for the fleet;f. Procedure of emergent escape (Y1, Y2 exceptive).

The operators should obtain CPDLC and ADS-C operational approval in accordance with policies established by the State of Registry or State of the Operator.

In the area where CPDLC/ADS-C is the primary means of communication/surveillance on above mentioned routes, reduced longitudinal separation may be applied between the aircraft with a specific operation approval

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具备 RCP240 或 RSP180 运行能力。两架航空器之间如果任一航空器不具备 RCP240 或 RSP180 能力，则管制单位将在相关航空器之间执行程序管制最低间隔标准。

of RCP240 and RSP180. However, RCP240 and RSP180 are not mandated for flying on these routes. If either or both aircraft do not have RCP240 or RSP180 approval, the ATS units will apply procedural separation minimum between them.

当 CPDLC/ADS-C 作为备用通信/监视手段时，飞行员也应与负责的管制单位建立 CPDLC/ADS-C 连通。当主用通信和（或）监视系统失效时，飞行员应立即切换至备用手段，以确保后续 CPDLC/ADS-C 程序可实现无缝地执行。

When CPDLC/ADS-C is applied as alternate means of communication/surveillance, the pilot should also establish CPDLC/ADS-C connection with the controlling ATS unit. In the event that the primary means of communication and/or surveillance fails, the pilot shall switch to above alternate means seamlessly and adhere to the following CPDLC/ADS-C procedures.

3. CPDLC 服务

3. Controller-pilot data link communications (CPDLC)

3.1 总则

3.1 General

管制员/航空器驾驶员如果启动并使用 CPDLC，应当执行 ICAO PANS-ATM Doc4444（2016 年，第 16 版）（下同）第 14 章中相关规则、标准和程序。

The controller or pilot using CPDLC should adhere to the provisions, standards and procedures in ICAO PANS-ATM Doc4444 (Sixteenth Edition, 2016, the same below).

管制员/航空器驾驶员如果启动并使用 CPDLC，应当使用 ICAO PANS-ATM Doc4444 12.3.6 中 CPDLC 用语。

The controller or pilot using CPDLC should adhere to Section 12.3.6 of ICAO PANS-ATM Doc4444 for phraseologies to be used related to CPDLC.

当开始使用 CPDLC 通信时，管制单位应通知航空器备用的 VHF 或 HF 话音频率。

The ATS units should notify the pilot of the VHF or HF frequency of voice communication as alternate means when starting a CPDLC application.

一旦 CPDLC 连通建立，航空器驾驶员应下发一个 CPDLC 位置报告。

Once a CPDLC connection is established, the pilot should send a downlink CPDLC position report.

航空器驾驶员用以登录地面系统的识别标志必须与

The flight identification used by the pilot in the logon

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飞行计划相关项写的航空器识别标志一致。

process should be in accordance with that contained in the flight plan.

航空器驾驶员如果启动并使用 CPDLC，应当在收到 CPDLC 上行指令的 60 秒内完成回复，或者当飞行员需要额外的时间考虑如何回复指令时，应选择 STANDBY，不需要回复的指令除外。

Once a CPDLC application is initiated, the pilot should respond to CPDLC uplinks within one minute or select STANDBY when additional time is required to respond.

除紧急情况外，管制员或驾驶员通过 CPDLC 进行通信联络，通常应通过 CPDLC 回答。如管制员或驾驶员通过话音进行通信联络，通常应通过话音回答。无论何时，只要管制员认为有必要对通过 CPDLC 拍发的电报进行更正或需要对电报内容加以澄清，管制员或驾驶员可以使用可供使用的最适当手段更正或者澄清指令/请求。使用话音通信对尚未收到运行答复的 CPDLC 电报进行更正时，管制员或驾驶员的通话之前须加用语“CPDLC（电报类型）作废”，后接正确的管制指令或者请求。

Except emergencies, when a controller or pilot communicates via CPDLC, the response should be via CPDLC. When a controller or pilot communicates via voice, the response should be via voice. Whenever a correction to a message sent via CPDLC is deemed necessary or the contents of a message need to be clarified, the controller or pilot shall use the most appropriate means available for issuing the correct details or for providing clarification. When voice communications are used to correct a CPDLC message for which no operational response has yet been received, the controller's or pilot's transmission shall be prefaced by the phrase: 'DISREGARD CPDLC (message type) MESSAGE, BREAK' - followed by the correct clearance, instruction, information or request.

3.2 CPDLC 服务移交

3.2 Transferring CPDLC connections

航空器从一个不提供 CPDLC 服务的区域，飞入提供（或备份）有 CPDLC 服务的区域，航空器驾驶员必须在预计进入 CPDLC 区域前 15 分钟，人工登录到地面系统。

When the aircraft is within a non-CPDLC service area and the next controlling ATS unit which is a CPDLC service area, the pilot should initiate a logon to the next ATS unit 15 minutes in advance.

在同时提供 CPDLC 服务的管制区之间飞行时，除非地面管制单位要求，接受 CPDLC 服务的航空器在从

When flying through CPDLC service areas, the CPDLC connection will be transferred automatically between

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一个管制区飞入另一个提供 CPDLC 服务的管制区时，一般不需要人工登录到下一个地面系统。向下一个地面系统进行登录的工作，由正在为航空器提供服务的管制单位在航空器进入下一个区域前完成，而不需要飞行机组的干预。

ATS units by the Address Forwarding process, unless the transferring ATS unit instruct the flight crew to logon manually at an appropriate time/distance prior to the next ATS unit boundary.

移交 CPDLC 服务时，话音通信和 CPDLC 的移交须同时进行。当一架航空器被从能提供 CPDLC 的管制单位移交给不能提供 CPDLC 的管制单位时，CPDLC 的终止须和话音通信的移交同时进行。

When CPDLC is transferred, the transfer of voice communications and CPDLC shall commence concurrently. When an aircraft is transferred from an ATS unit where CPDLC is available to an ATS unit where CPDLC is not available, CPDLC termination shall commence concurrent with the transfer of voice communications.

如 CPDLC 移交导致数据权限改变，而且有些电文尚没有收到结束的答复（如未完成的电文）时，应通知相关管制员。

When a transfer of CPDLC results in a change of data authority, and there are still messages for which the closure response has not been received (i.e. messages outstanding), the controller shall be informed.

管制员对有待答复的上行电文尚未收到飞行员的答复就决定移交航空器的，该管制员应该换用话音通信以澄清与未复电文有关的任何疑问。

When the controller decides to transfer the aircraft without receiving pilot responses to any uplink message(s) outstanding, the controller should revert to voice communications to clarify any ambiguity associated with the message(s) outstanding.

3.3 CPDLC 紧急情况程序

3.3 CPDLC Emergency procedures

当收到 CPDLC 紧急电文时，管制员应以最有效的方式确认收到电文。

When a CPDLC emergency message is received, the controller shall acknowledge receipt of the message by the most efficient means available.

当通过 CPDLC 对所有其他紧急或应急电文作答复时，上行电文须使用“ROGER”。

When responding via CPDLC to all other emergency or urgency messages, uplink message 'ROGER' shall be used.

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当 CPDLC 电文要求逻辑认收和/或运行答复但没有收到此种答复时，须向驾驶员或管制员发出适当的告警。

When a CPDLC message requires a logical acknowledgement and/or an operational response, and such a response is not received, the pilot or controller, as appropriate shall be alerted.

4. ADS-C 服务

4. ADS-C Service

4.1 总则

4.1 General

在进入有关区域之前，航空器驾驶员应确认 ADS-C 服务可用。

Prior to entering the designated airspace, the pilot shall verify ADS-C service is available for operation.

在提供 ADS-C 服务的空域内，管制员/航空器驾驶员应当执行 ICAO PANS-ATM Doc4444 第 13 章契约式自动相关监视（ADS-C）服务相关规定、标准和程序。

The controller or pilot should adhere to the provisions, standards and procedures in Chapter 13 of ICAO PANS-ATM Doc4444 in the ADS-C service area.

在提供 ADS-C 服务的空域内，应当使用 ICAO PANS-ATM Doc4444 12.5 中契约式自动相关监视（ADS-C）用语。

The controller or pilot should adhere to Section 12.5 of ICAO PANS-ATM Doc4444 for phraseologies to be used related to ADS-C.

如果航空器在航向选择模式下偏离航路或平行航路飞行，航空器的预计航迹仍将是 FMC 中的计划航迹，为避免管制员看到错误的推测航迹，航空器驾驶员应按照实际的预飞航路修改 FMC 飞行计划航路。

If the aircraft is flying an offset route or diverting while operating in heading select mode, the intent of the aircraft will still be projected along the FMC flight plan route regardless of the actual route flown. To avoid misinformation being displayed to the controller, the FMC flight plan route should be amended to the actual route being flown.

航空器必须有能力同时支持至少装有 4 套空中交通管制的 ADS-C 地面系统的 ADS-C 协议。

The aircraft must be capable of supporting ADS-C agreements with at least four ATC unit ADS-C ground systems simultaneously.

当一套 ADS-C 地面系统试图与一架航空器建立 ADS-C 协议，却因航空器没有能力支持额外的 ADS 契约而未能做到时，航空器应该以 ICAO 的地名代码或目前与它有合同的地面系统的 8 位字母的系统指示

When an ADS-C ground system attempts to establish an ADS-C agreement with an aircraft and is unable to do so due to the aircraft's inability to support an additional ADS contract, the aircraft should reply with the ICAO

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器答复，以使 ATC 单位能谈判发放契约。

location indicators or eight-letter facility indicators of the ground systems with which it currently has contracts, in order for the ATC unit to negotiate a contract release.

4.2 ADS-C 服务移交

管制接收单位必须与受影响的航空器在到达管制移交点之前建立契约。如管制接收单位不能建立契约，必须通知移交单位提供地面转发的 ADS-C 数据，以便提供不间断的 ADS-C 服务。

4.2 Transfer of control of ADS-C aircraft

The accepting ATC unit shall establish a contract with the affected aircraft prior to reaching the transfer of control point. Should the accepting ATC unit be unable to establish a contract, the transferring ATC unit shall be notified in order to provide ground forwarding of ADS-C data to permit an uninterrupted ADS-C service.

根据航空器穿越的管制单位之间签署的协议，ADS-C 地面系统可以人工或自动终止 ADS 契约。

ADS contracts may be terminated manually, or automatically by the ADS-C ground system, based on agreements between ATS units.

当航空器退出数据链服务航路时，航空器驾驶员应恢复使用话音通信与地面联系。

The pilot shall re-establish communication via voice with the ATS unit as soon as the exit of data link route service.

4.3 ADS-C 紧急情况

管制员收到 ADS 紧急状况提示后，将向航空器发出固定格式的上行报文“ROGER”。此上行报文不需要航空器驾驶员回复。

4.3 ADS-C Emergency

When responding to ADS emergency alerts, uplink message 'ROGER' shall be used by the controller. This uplink message shall not be replied by the pilot.

5. 飞行计划

从中国大陆飞行情报区以外起飞进入中国大陆飞行情报区，且在上述航路运行的航空运营人及其代理人，在向中国大陆空管单位拍发 FPL/CHG/DLA/CNL/DEP/ARR 等电报时，应当加发中国民航空管飞行计划处理中心 AFTN 地址（ZBPEZMFP 和 ZSHAZMFP）。

5. Flight Plan

Operators and their flight service agencies that conduct operations on above-mentioned data link routes entering China mainland FIR should add the AFTN address of Flight Plan Processing Center of ATMB, CAAC (ZBPEZMFP and ZSHAZMFP) when filing flight plan messages(FPL/CHG/DLA/CNL/DEP/ARR, etc.).

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计划在上述航路运行的航空器运营人，在提交飞行计划时，应当按照 ICAO PANS-ATM Doc4444 文件附录 2 飞行计划格式，提交相关航空器已经获得航空器注册国或航空公司注册国批准的 RCP 和 RSP 运行能力，并对填报信息的正确性负责。

Operators planned to conduct flights on above-mentioned data link routes should file the RCP and RSP capabilities approved by the State of Registry or State of Operator in the flight plan in accordance with the requirement of Appendix 2 of ICAO PANS-ATM Doc4444. The operators should be responsible for the accuracy of the filed RCP and RSP capability.

管制单位将以相关航空器在飞行计划中提交的 RCP 和 RSP 运行能力信息为依据，提供空中交通服务。

The ATS units shall provide corresponding ATS service to the aircraft according to the RCP and RSP capability in the flight plan.

计划在上述航路运行的航空器，其航空运营人应当在提交飞行计划的同时，在飞行计划编组 18 的“COM/”后提交相关航空器卫星电话联系号码。譬如：“COM/SAT PHONE 20441720”。

Operators planned to conduct flights on above-mentioned data link routes should file 'COM/' of Field Type 18 with the SATVOICE phone number in the flight plan. For instance: 'COM/SAT PHONE 20441720'.

6. 应急程序

6. Emergency Procedures

6.1 CPDLC 失效

6.1 CPDLC failure

一旦发现 CPDLC 失效，须立即向管制员和驾驶员告警。

The controller and pilot shall be alerted to the failure of CPDLC as soon as the failure has been detected.

当管制员和驾驶员被告警 CPDLC 失效，而且管制员或驾驶员需要在 CPDLC 恢复之前进行通信联络时，管制员或驾驶员应转换到话音通信，并在沟通信息前增加说明：“CPDLC 失效”。

When a controller or pilot is alerted that CPDLC has failed, and the controller or pilot needs to communicate prior to CPDLC being restored, the controller or pilot should revert to voice, if possible, and preface the information with the phrase: 'CPDLC FAILURE'.

6.2 ADS-C 失效

6.2 ADS-C failure

当 ADS-C 发生计划外终止时，管制单位应建立位置报告程序，确保按要求建立话音和 CPDLC 联系，直到重新建立 ADS 契约。

ATS authorities shall establish position-reporting procedures to ensure that voice and CPDLC contracts are re-established as required when unplanned ADS-C

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termination occurs, until the ADS contract is re-established.

当在规定的时间参数内未收到航空器预期的位置报告，管制员应当通过语音或者 CPDLC，立即查明航空器的位置。

Where an expected position report is not received within a prescribed time parameter, action shall be taken, as appropriate, to ascertain the position of the aircraft. This may be achieved by the use of CPDLC or voice communications.

如果 ADS-C 地面系统发生计划外关闭，管制员应当通知所有受影响的航空器，并向其告知用话音或 CPDLC 进行位置报告。管制员应为航空器间配备足够间隔，通过直接协调通知相邻的管制单位，必要时发布 NOTAM。

In the event of an unplanned ADS-C ground system shutdown, the relevant ATS provider shall inform all affected aircraft and advise them of the requirement for position reports via voice or CPDLC. The controller shall take necessary action to establish alternative separation, if required; inform the adjacent ATS unit(s) by direct coordination; and inform all other relevant parties via the publication of a NOTAM, if appropriate.

6.3 运行中不再满足 RCP240/RSP180 运行要求的处置程序

6.3 Procedures for no longer meeting RCP240/RSP180 operational requirement

在主用或备用系统为 CPDLC/ADS-C 服务的空域内，如果航空器丧失 RCP240/RSP180 运行能力，航空器驾驶员应当立即报告管制员。

The pilot should contact the controller immediately after the loss of RCP240/RSP180 capability during the flight in the CPDLC/ADS-C service area where CPDLC/ADS-C is the primary or alternate means of communication/surveillance.

在提供 CPDLC/ADS-C 服务的空域内，如果航空器在运行中失去 RCP240/RSP180 运行能力，管制员应当尽快为该航空器与其他航空器间配备 ICAO 程序管制间隔。

In the CPDLC/ADS-C service area, if the aircraft loss the RCP240/RSP180 operational capability, the controller shall take necessary action to establish ICAO procedural separation for the affected flights as soon as possible.

6.4 空中紧急情况

6.4 Emergency Procedures

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发生紧急情况时，航空器驾驶员应将 ACARS 设备调至 ADS EMMERGENCY MODE，并尽早利用最有效的方法与管制单位恢复话音通信。

In case of emergency, the pilot shall operate the ACARS with an ADS EMERGENCY MODE to notify the ground facility for the emergency, and resume voice communication with ATC authority by the most efficient method as soon as possible.

L888 航路的备降机场是：昆明机场、成都机场、乌鲁木齐机场和喀什机场。

The available alternate airports for route L888 are: Kunming airport, Chengdu airport, Urumqi airport and Kashi airport.

航空器遇到紧急情况需要脱离或备降时，航空器驾驶员应按照航图中的路线脱离 L888。BIDRU--直飞昆明机场；MAKUL--直飞昆明机场；NIVUX--飞往 XIC (VOR)、SB (NDB)、XFA (VOR)至昆明机场；LEVBA--飞往 XIC (VOR)、SB (NDB)、XFA (VOR)至昆明机场；PEXUN--飞往 JTG (VOR)至成都机场；SANLI--飞往 JTG (VOR)至成都机场；LUVAR--飞往 MEPEP、LUSMA、DUMIN、TUSLI、HAM (VOR)、MIMAR、VIKOL、FKG(VOR)至乌鲁木齐机场；MUMAN--飞往 LUSMA、DUMIN、TUSLI、HAM (VOR)、MIMAR、VIKOL、FKG(VOR)至乌鲁木齐机场；LEBAK--飞往 LUSMA/DUMIN、TUSLI、HAM (VOR)、MIMAR、VIKOL、FKG(VOR)至乌鲁木齐机场；TONAX--飞往 DUMIN、TUSLI、HAM (VOR)、MIMAR、VIKOL、FKG(VOR)至乌鲁木齐机场。

The pilot shall fly via regulated way points to evacuate from route L888 when evacuating or alternating is decided in an emergent condition. The breaking points are:BIDRU-- direct to Kunming airport;MAKUL-- direct to Kunming airport;NIVUX-- direct to XIC(VOR), SB(NDB), XFA(VOR), Kunming airport;LEVBA-- direct to XIC(VOR), SB(NDB), XFA(VOR), Kunming airport;PEXUN-- direct to JTG(VOR), Chengdu airport;SANLI-- direct to JTG(VOR), Chengdu airport;LUVAR-- direct to MEPEP, LUSMA, DUMIN, TUSLI, HAM (VOR), MIMAR, VIKOL, FKG(VOR), Urumqi airport;MUMAN-- direct to LUSMA, DUMIN, TUSLI, HAM (VOR), MIMAR, VIKOL, FKG(VOR), Urumqi airport;LEBAK-- direct to LUSMA/DUMIN, TUSLI, HAM (VOR), MIMAR, VIKOL, FKG(VOR), Urumqi airport;TONAX-- direct to DUMIN, TUSLI, HAM (VOR), MIMAR, VIKOL, FKG(VOR), Urumqi airport.

航空器驾驶员对座舱释压紧急下降时的超障高度和机动飞行的轨迹负责。

The pilot shall be responsible for the obstacle clearance altitude and maneuvering track when emergency descent

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is executed in the condition of air cabin depressurizing.

7. 通信地址

7.1 CPDLC

在建立 CPDLC 连接之前，航空器必须先登录到地面系统。航空固定服务登录的地址如下:

7. Contact Address

7.1 CPDLC Contact Address

The pilot shall log on to the ground system before the establishment of CPDLC connection. The AFTN address is:

管制单位 ATS Units	ICAO 机构代号 ICAO Facility Designator	ACARS 地址 ACARS Address
兰州区域管制室 Lanzhou ACC	ZLLL	LHWE1YA
乌鲁木齐区域管制中心 Urumqi ACC	ZWWW	URCE1YA

紧急联系电话

7.2 The emergency telephone

管制单位 ATS Units	电话号码 Telephone Number
兰州区域管制室 Lanzhou ACC	+86-931-8168324

8. 数据链质量问题报告机制

管制部门在系统运行使用过程中发现数据链质量相关问题，应会同设备维护部门对问题经过研究确认后，填报《数据链质量问题报告表》，上报地区空管局空管部。地区空管局空管部负责对本地区管制运行单位上报的报告进行审核把关，会同通导部，对发现的本地区职责内的管制或设备运行问题进行规范处理，问题报告应于事件发生后的 3 日之内汇总上报民航局空管局，邮件发送至民航数据公司，并抄送民航

8. Data link problem reporting mechanism

The ATS units that encountered problems with data link service shall report to the ATC division of its responsible regional ATMB after initial investigation with local system maintenance department. The responsible ATC division of the regional ATMB, together with the responsible CNS division, shall take remedial actions to investigate the ATC operation and CNS systems concerning the related problems, and send the problem

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局空管局空管部、通导部。《数据链质量问题报告表》模板参见附件 B。

report(s) to ADCC (Aviation Data Communication Corporation) of ATMB, CAAC, and copy to ATC division and CNS division of ATMB within 3 days of occurrence. The problem report table please refer to Attachment B.

在以上航路运行的航空运营人在运行过程中发现数据链质量相关问题应于事件发生后尽快提交问题报告，邮件直接发送至民航数据公司。《数据链质量问题报告表》模板参见附件 B。

The operators operating on the data link routes and encountering problems with data link service shall send problem report(s) directly to ADCC (Aviation Data Communication Corporation) of ATMB, CAAC as expeditiously as possible. The problem report table please refer to Attachment B.

数据链质量问题报告联络人和联系方式为：民航数据公司联络人：兆珺电话：010-82328200 邮箱：rmachina@rmachina.cn 民航局空管局通导部联络人：蔡晶电话：010-87786915 邮箱：caijing@atmb.net.cn 民航局空管局空管部联络人：刘亮电话：010-87786825 邮箱：liuliang@atmb.net.cn

China Data link Problem Reporting Point of Contact:ADCC of ATMB, CAAC: Ms. Jun ZHAOPhone: +86 10 82328200E-mail: rmachina@rmachina.cnCNS division of ATMB, CAAC: Ms. Jing CAIPhone: +86 10 87786915E-mail: caijing@atmb.net.cnATC division of ATMB, CAAC: Mr. Liang LIUPhone: +86 10 87786825E-mail: liuliang@atmb.net.cn

附件 A 中国大陆地区数据链服务航路情况说明

Attachment A China Mainland Data Link Routes Operational Conditions

航路 Route Designator	管制区 Area Control Center (Unit)	航段范围 Route Segment	通信方式和 RCP 规范 Communication means and RCP specification		监视方式和 RSP 规范 ATS Surveillance means and RSP specification		最低纵向间隔标准 Longitudinal Separation
L888	兰州 ACC	SANLI-	主用	CPDLC	主用	ADS-C	PBCS

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	Lanzhou ACC	BEVTA	PRIM	RCP: FANS 1/A CPDLC RCP 240	PRIM	RSP: FANS 1/A ADS-C RSP180	管制间隔 PBCS separation
			备用 1 ALTN1	VHF (LUVAR-SANLI 未覆盖) (no coverage from LUVAR to SANLI)	备用 ALTN	ADS-B (大部分覆盖) (Cover most area)	
			备用 2 ALTN2	HF			
	乌鲁木齐 ACC Urumqi ACC	BEVTA-XKC	主用 PRIM	VHF	主用 PRIM	ADS-B	监视间隔 ATS surveillance separation
			备用 ALTN	CPDLC RCP: FANS 1/A CPDLC RCP 240	备用 ALTN	ADS-C RSP: FANS 1/A ADS-C RSP180	
			#x20; #x20;				
Y1	兰州 ACC Lanzhou ACC	OMBON-MAGOD	主用 PRIM	VHF	主用 PRIM	ADS-B/二次雷达 ADS-B/SSR	监视间隔 ATS surveillance separation
			备用 1 ALTN1	CPDLC RCP:FANS	备用 ALTN	ADS-C RSP:FANS	

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				1/A CPDLC RCP240		1/A ADS-C RSP180	
			备用 2 ALTN2	HF			
	乌鲁木齐 ACC Urumqi ACC	MAGOD-SADAN	主用 PRIM	VHF	主用 PRIM	ADS-B	监视间隔 ATS surveillance separation
			备用 ALTN	CPDLC RCP:FANS 1/A CPDLC RCP240	备用 ALTN	ADS-C RSP:FANS 1/A ADS-C RSP180	
			#x20; #x20;				
Y2	兰州 ACC Lanzhou ACC	LUVAR-MEPEP	主用 PRIM	VHF	主用 PRIM	ADS-B	监视间隔 ATS surveillance separation
			备用 1 ALTN1	CPDLC RCP:FANS 1/A CPDLC RCP240	备用 ALTN	ADS-C RSP:FANS 1/A ADS-C RSP180	
			备用 2 ALTN2	HF			
以上航路的所需导航性能规范:RNP4。The RNP specification for the data link routes: RNP4. 以上航段方向均为双向。Direction of all route segments: bidirectional. 航路高使用度均为 9 200m(含)以上。Available flight levels: 9 200m and above. 航路宽度均为 56km。Route Lateral limits: 56km.							

附件 B 数据链质量问题报告模板 **Attachment B FANS 1/A Problem Report Form**

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<table>
<tr><td>问题报告索引编号</td><td colspan="4"></td></tr>
<tr><td>问题报告标题</td><td colspan="4"></td></tr>
<tr><td>日期(UTC)</td><td colspan="2"></td><td>时间(UTC)</td><td></td></tr>
<tr><td>航空器注册号</td><td colspan="2"></td><td>航班号</td><td></td></tr>
<tr><td>起飞落地机场</td><td colspan="2"></td><td>航路</td><td></td></tr>
<tr><td>报告单位</td><td colspan="2"></td><td>机型</td><td></td></tr>
<tr><td>报告单位所属地区空管局(仅管制单位填写)</td><td colspan="4"></td></tr>
<tr><td>当前管制单位</td><td colspan="2"></td><td>下一管制单位</td><td></td></tr>
<tr><td rowspan="3">事件位置</td><td>经纬度</td><td colspan="2"></td><td>或</td></tr>
<tr><td>航空器距附近台站、报告点相对位置</td><td colspan="2"></td><td>或</td></tr>
<tr><td>有持续性事件可提供航段描述</td><td></td><td>至</td><td></td></tr>
<tr><td>问题情况描述</td><td colspan="4"></td></tr>
<tr><td>其他补充信息(报告单位可另附页,提供涉及数据链问题的其他补充信息,例如:问题描述的图片、初步调查分析的结论、其他辅助数据等有用信息)</td><td colspan="4"></td></tr>
</table>

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3.3.2.5 M503

1. 通信导航监视

M503 航线采用 RNAV2 技术标准，全程雷达和 VHF 覆盖，全程提供雷达管制服务。目前阶段仅支持使用全球导航卫星系统（GNSS）进行位置更新。

2. 航空器及营运人要求

在 M503 航线上运行的航空器应当获得基于 GNSS 导航的 RNAV2 适航许可及运行批准。航空器营运人必须确保机载设备、人员资质和运行程序等符合该航线的运行要求。

航空器营运人使用该航线，应当在领航计划报（FPL）第 10 项中填写字母“R”，第 18 项填写补充信息“PBN/C1”或“PBN/C2”，表明航空器机载设备具备 RNAV2（基于 GNSS 导航）运行的能力。

3. 运行要求

3.1 飞行高度使用

M503 航线使用高度为 8400 米(含)至 12500 米(含)。通常情况下，ATC 仅会批准航空器使用 9200 米（含）以上高度。

3.2 导航能力

航空器在 M503 航线上运行，需使用 GNSS 导航。如

3.3.2.5 M503

1. CNS Requirements

M503 is a RNAV2 route entirely within radar coverage and VHF coverage. Radar control service is provided along the route. At present, the position updating of the aircraft operating on this air route is provided by GNSS only.

2. Requirements for aircraft and operators

Operators shall not file flight plans for operations on M503 unless they have obtained the airworthiness and the operational approval of RNAV2 based on GNSS navigation for the aircraft. Operators shall ensure that the on-board equipment, personnel qualification and operational procedures abide by the operational requirements of the route.

While conducting flight on M503, operators shall insert letter “R” in Item 10 of the Flight Plan (FPL) and supplementary information of “PBN/C1” or “PBN/C2” in Item 18 to indicate the on-board equipment capability of aircraft for RNAV2 (GNSS required）operation.

3. Operational Requirements

3.1 Flight levels usage

The available flight levels of M503 are between 8400m and 12500m. Normally ATC will only approve the usage of flight levels 9200m or above.

3.2 Navigation capability

GNSS navigation is required for aircraft operating on

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果航空器的导航能力无法继续满足该航线运行要求，驾驶员必须及时告知相关空中交通管制单位。

M503. If aircraft navigation capability is unable to meet the relevant operational requirements of this route, the pilot shall immediately notify the relevant ATC unit.

3.3 策略性侧向偏置

3.3 Strategic lateral offset

空中交通管制单位根据实际运行情况指挥航班实施偏置。

ATC unit will implement lateral offset according to operational needs.

不具备平行偏置功能的航空器，在加入 M503 航线前，驾驶员应主动告知相关空中交通管制单位。

In case of aircraft without parallel offset function, pilot shall inform the relevant ATC unit of this situation before joining M503.

航空器在 M503 航线运行期间如失去平行偏置功能，驾驶员应及时告知相关空中交通管制单位。

If aircraft loses the parallel offset function while operating on M503, pilot shall immediately inform relevant ATC unit.

3.4 特殊要求

3.4 Special requirements

航空器未经 ATC 许可，不得擅自偏航。

Aircraft is prohibited to initiate any deviation without ATC clearance.

航空器不得向 M503 航线东侧偏航。如遇紧急情况，处置措施应向 ATC 提出申请，以便相关空中交通管制单位进行管制协调。

Aircraft is not allowed to deviate eastwards beyond M503. In an emergency condition,pliot shall present a request to ATC concerned to make a deviaton, so the relevant ATC unit could conduct operational coordination accordingly.

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ENR3.4
直升机航路
Helicopter routes

（待补充） (to be developed.)

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ENR3.5
其它航路
Other routes

ENR3.5.1 A593 的备份航路

为避开 A593 空中交通服务航路上的恶劣天气或者为了满足其它飞行要求，来往于中日之间的航空器可使用备份航路 AKARA－APITO－MIKES。有关位置报告点及程序如下:

ENR3.5.1 A593 Alternate route

To avoid severe weather conditions on the ATS route A593 or to meet other flight operations requirements, an aircraft operating between China and Japan will be cleared to use , alternate route AKARA－APITO－MIKES.Related reporting points and procedures are as follows:

1. 位置报告点

1. Reporting points

AKARA	N31°30.0′E123°30.0′	非强制	non compulsory
APITO	N29°35.0′E124°00.0′	强制	compulsory
MIKES	N29°35.0′E125°45.0′	强制	compulsory

2. 方位和距离

2. Bearings and distances

AKARA-APITO	171°/351°(磁向 MAG)	219 千米 km
APITO-MIKES	094°/274°(磁向 MAG)	170 千米 km

3. 飞行高度层

3. Flight levels

向东飞行 Eastbound	向西飞行 Westbound
FL250	FL240
FL290	FL280
FL310	FL300

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FL390	FL400

4. 通信规定程序

除非空中交通管制另有指示，在此航路上飞行的航空器，在 E124°00.0′以东飞行时，应在那霸区域管制中心的有关频率上保持长守，在 E124°00.0′以西飞行时，应在上海区域管制中心的有关频率上保持长守。

4. Communication procedures

Flights operating along this route shall maintain a constant watch on the appropriate frequency for Naha ACC to the east of E124°00.0′and for Shanghai ACC to the west of E124°00.0′unless otherwise instructed by ATC.

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ENR3.5.2 AKARA－福江空中走廊

1. AKARA－福江空中走廊

1.1 横剖面：由两条平行线所划定的四方形空域，其宽度为以福江导航台连接 AKARA 之一点的直线航路两侧各 25 海里，一侧以 E124°为界，另一侧以福冈/仁川飞行情报区为界。

1.2 纵剖面：

a. FL390 至 FL400（含）

b. FL300 至 FL310（含）

c. FL280 至 FL290（含）

d. FL240 至 FL250（含）

2. 位置报告点

ENR3.5.2 AKARA－Fukue Corridor

1. AKARA－Fukue Corridor

1.1 HorizontallyA square bounded by 2 parallel lines being 25NM on both sides of a direct route connecting Fukue NDB and point AKARA, 124 degrees east longitude and Fukuoka/Incheo FIR boundary.

1.2 Vertically

a. FL390 through FL400 inclusive

b. FL300 through FL310 inclusive

c. FL280 through FL290 inclusive

d. FL240 through FL250 inclusive

2. Reporting point

浦东 PUDONG	N31°10.3′E121°47.0′	强制	Compulsory
DUMET	N31°21.7′E122°46.5′	强制	Compulsory
AKARA	N31°30.0′E123°30.0′	非强制	Non Compulsory
LAMEN	N31°36.6′E124°00.0′	强制	Compulsory
SADLI	N31°49.8′E125°00.0′	强制	Compulsory
NIRAT	N32°03.7′E126°03.6′	非强制	Non Compulsory
ONIKU	N32°11.5′E126°39.4′	强制	Compulsory
POTET	N32°16.6′E127°02.5′	非强制	Non Compulsory
AZUKI	N32°24.1′E127°34.9′	非强制	Non Compulsory
GOMAR	N32°27.7′E127°51.5′	非强制	Non Compulsory
福江 Fukue VOR	N32°40.1′E128°49.6′	非强制	Non Compulsory

3. A593 号空中交通服务航路

3. ATS Route A593

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航段 SEGMENT	航向(磁向) BEARING (MAG)	距离(千米) DISTANCE (KM)	最低航路高度 MEA
浦东 PUDONG-DUMET	082°/262°	97	
DUMET-AKARA	082°/262°	70	
AKARA-LAMEN	080°/260°	49	FL240*
LAMEN-SADLI	080°/260°	98	FL240*
SADLI-NIRAT	080°/260°	104	FL240
NIRAT-ONIKU	081°/261°	57	FL240
ONIKU-POTET	082°/262°	37	FL240
POTET-AZUKI	081°/262°	52	FL240
AZUKI-GOMAR	083°/263°	26	FL240
GOMAR-福江 Fukue VOR	083°/263°	94	FL210
*对不能在 FL250 过 LAMEN 向东飞的航空器,可以指示该航空器在 FL230 或 FL230 以上过 LAMEN,以便到 SADLI 时达到 FL250。 *Eastbound flights unable to cross LAMEN at FL250 may be instructed to cross LAMEN at or above FL230 to reach FL250 by SADLI.			

4. 走廊空域的使用

4.1 向西飞行

向西飞行的航空器申报飞行计划时，在走廊这一段应申报使用 FL240，FL280，FL300 或 FL400。如果在其它飞行高度层上飞行时，在未过 ONIKU 以前，应尽早向空中交通管制申请在该走廊的一个飞行高度层上过 ONIKU。但如果飞行情况允许，可以批准向西飞的航空器使用其它高度层。

4. Use of Corridor Airspace

4.1 Westbound

Westbound flights shall flight-plan either FL240, FL280, FL300 or FL400 for the corridor segment and shall request as early as possible ATC clearance to cross ONIKU at one corridor flight level before crossing ONIKU if operating at other flight level. However, if traffic permits, westbound flights may be cleared to

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operate at other flight levels.

4.2 向东飞行

向东飞行的航空器申报飞行计划时，在走廊这一段申报使用 FL250、FL290，FL310 或 FL390。如果在其它飞行高度层上飞行时，在未过 LAMEN 以前，应尽早向空中交通管制申请在该走廊的一个飞行高度层上过 LAMEN。航空器不能在 LAMEN 达到 FL250 时，经驾驶员要求，可批准该航空器在 FL230 或 FL230 以上过 LAMEN，以便到 SADLI 时达到 FL250。

4.2 Eastbound

Eastbound flights shall flight-plan either FL250, FL290, FL310 or FL390 for the corridor segment and shall request as early as possible ATC clearance to cross LAMEN at one corridor flight level before crossing LAMEN if operating at other flight level. Flights unable to reach FL250 by LAMEN may, at pilot request, be cleared to cross LAMEN at or above FL230 in order to reach FL250 by SADLI.

4.3 沿 B576 号空中交通服务航路向北飞行

沿 B576 号空中交通服务航路向北飞行的航空器申报飞行计划时，在 ATOTI 以北，应申报使用 FL270、FL330 或 FL370。如果分配的飞行高度层不是这样安排，应向空中交通管制提出申请，要求安排在 FL270、FL330 或 FL370 过 ATOTI。

4.3 Northbound on ATS Route B576

Northbound flights shall flight-plan FL270, FL330 or FL370 to the north of ATOTI and shall request ATC clearance to cross ATOTI at FL270, FL330 or FL370 if not so assigned.

4.4 沿 B576 号空中交通服务航路向南飞行

沿 B576 号空中交通服务航路向南飞行的航空器，在横向通过该走廊空域范围时，将被指示保持 FL260、FL310、FL350 或与该走廊飞行不相冲突的其它飞行高度层。

4.4 Southbound on ATS Route B576

Southbound flights on B576 will be instructed to maintain FL260, FL310, FL350 or other flight levels not conflicting the corridor traffic while passing through the lateral dimension of the corridor airspace.

4.5 飞行高度层的保持

航空器在该走廊空域内飞行时，必须保持指定的飞行高度层。

4.5 Maintaining of Flight Level

Flights shall maintain their assigned flight levels while operating within the corridor airspace.

5. 通信规定程序

在走廊空域内飞行的航空器，除非空中交通管制另有指示，在 SADLI 以东飞行时，应在福冈区域管制中

5. Communications procedures

Flights operation in the corridor airspace shall maintain a constant watch on the appropriate frequency for

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心的有关频率上保持长守，而在 SADLI 以西飞行时，应在上海区域管制中心的有关频率上保持长守。

Fukuoka ACC to the east or SADLI and for Shanghai ACC to the west of SADLI unless otherwise instructed by ATC.

6. 管制交接点

在走廊空域内飞行的航空器，其管制的交接工作将在强制位置报告点 SADLI 点上进行。

6. Transfer of Control point

Transfer of control for aircraft operating in the corridor airspace will be made at the compulsory reporting point SADLI.

7. 拍发飞行计划及起飞电报使用的地址

拟在 AKARA－福江空中走廊内飞行的飞行计划及起飞电报，除了要拍发给其它有关地址以外，还应拍发给东京区域管制中心通信部门，即 RJTGYJYX。

7. Addressing of Flight plan and Departure Messages

Flight plan and departure messages of flights to operate in AKARA-Fukue corridor shall be addressed to RJTGYJYX in addition to other addresses.

8. 由飞行中的驾驶员转发空中交通管制电报

如果上海至福冈两个区域管制中心的直达话路不能使用时，有关空中交通管制部门可以要求飞经该走廊的飞行中的驾驶员，在相应的高频频率上呼叫上海或那霸无线电台，以便把一个区域管制中心的电报转给另一个区域管制中心。见附图。

8. Relay of ATC Messages by a pilot in Flight

In case it is found that ATC direct speech circuit between Shanghai and Fukuoka ACCs become unavailable, a pilot in flight to operate in the corridor will be requested by ATC to call Shanghai or Naha Radio on an appropriate HF frequency to relay messages from one ACC to the other.See attached chart.

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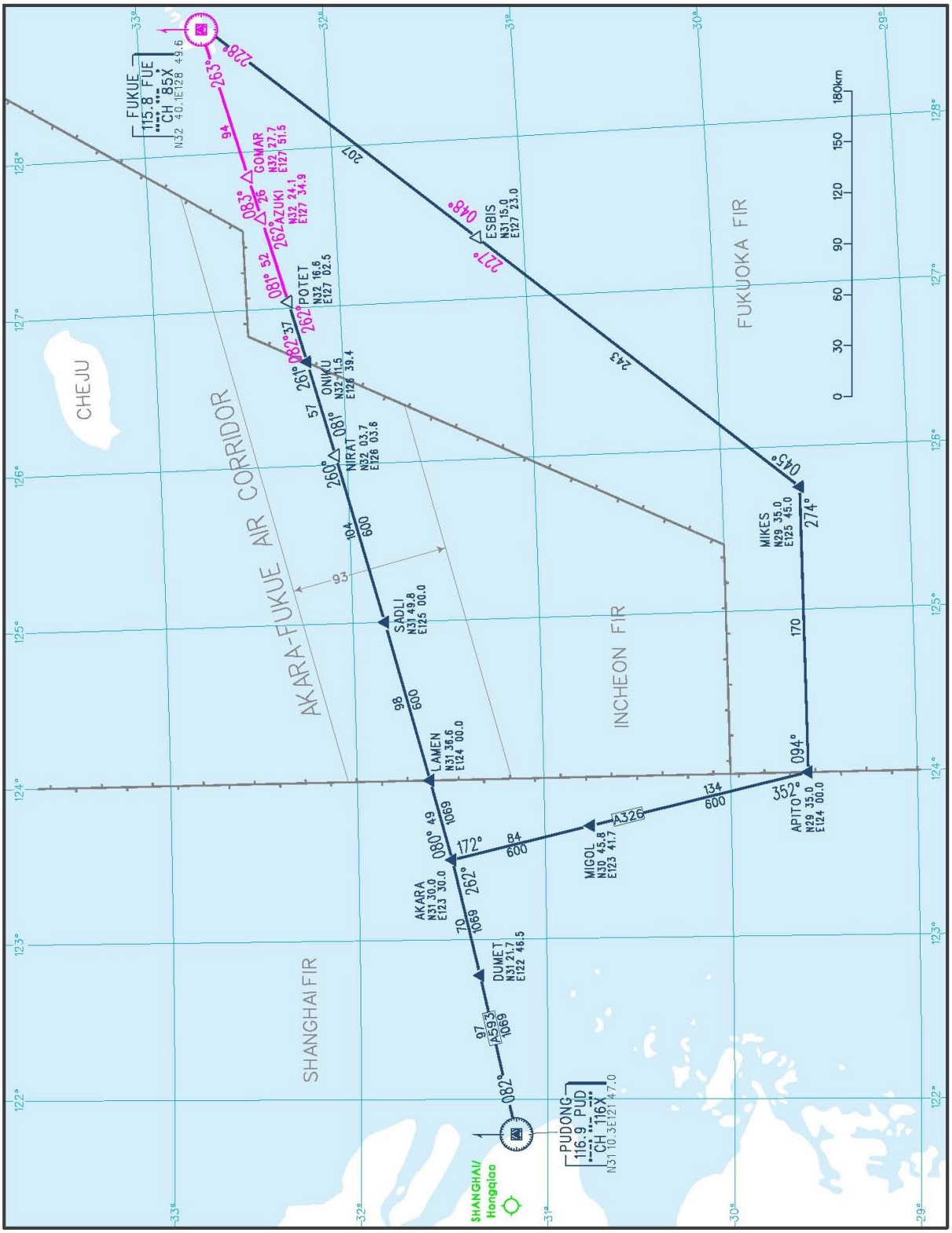

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ENR3.6
航路等待
En-route holding

1. 与进近程序有关的等待航线，参见第三部分-机场中公布的有关机场航图。

2. 航路等待航线具体参见航路图。

1. For holding patterns applied in connection with approach procedures, see relevant AD charts published in Part 3 -aerodromes

2. For en-route holding patterns, see En-route Chart.

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ENR 4
无线电导航设施/系统
RADIO NAVIGATION AIDS/SYSTEMS
ENR 4.1
无线电导航设施—— 航路
Radio navigation aids — en-route

导航设施名称、类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作时间 Hours of operation	坐标 Coordinates	DME 天线标高 ELEV of DME antenna(m)	备注 Remarks
阿克苏 Aksu VOR/DME	AKS	115.1 MHz CH 98X	H24	N41°15.7′ E080°17.1′	1 185	
阿里 Ali VOR/DME	KUS	113.7 MHz CH 84X	H24	N31°58.9′ E080°07.6′		
阿勒泰 Altay VOR/DME	TAI	114.3 MHz CH 90X	H24	N47°44.8′ E088°05.0′	766	
庵东 Andong VOR/DME	AND	114.8 MHz CH 95X	H24	N30°15.4′ E121°13.3′	32	
安康富强东 Ankangfuqiangdong VOR/DME	AKD	113.8 MHz CH 85X	H24	N32°45.2′ E108°55.8′	406	For VOR/DME: R335°-R350° clockwise U/S. For DME: Beyond 18NM on R320° U/S.
柏鹤寺 Baihesi VOR/DME	BHS	117.9 MHz CH 126X	H24	N30°30.7′ E104°12.0′		For VOR: Beyond 20NM on R219° for STAR U/S.
邦达 Bangda VOR/DME	DCH	113.3 MHz CH 80X	H24	N30°31.3′ E097°08.5′	4 322	R005°-R100° clockwise, R180°-R300° clockwise, beyond 22NM on R003°, beyond 19NM on R097°, beyond 20NM on R107°, and beyond 8NM on R258° U/S.
半塔集 Bantaji NDB	OF	340 kHz	H24	N32°40.4′ E118°34.7′		

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导航设施名称、类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作时间 Hours of operation	坐标 Coordinates	DME 天线标高 ELEV of DME antenna(m)	备注 Remarks
抱龙 Baolong NDB	WL	426 kHz	H24	N18°29.3′ E109°24.2′		
包头 Baotou VOR/DME	BAV	117.3 MHz CH 120X	H24	N40°33.4′ E109°59.9′	1 019	
倍加皂 Beijiazao VOR/DME	BJZ	108.2 MHz CH 19X	H24	N40°03.3′ E113°29.6′		
奔牛 Benniu NDB	ZJ	217 kHz	H24	N31°56.5′ E119°42.6′		
博鳌 Boao VOR/DME	DBA	115.4 MHz CH 101X	H24	N19°09.7′ E110°26.5′	33	For DME:beyond 30NM on R272° U/S.
百色 Bose VOR/DME	BSE	115.9 MHz CH 106X	H24	N23°55.4′ E106°36.1′	380	
蔡甸 Caidian VOR/DME	DCD	114.25 MHz CH 89Y	H24	N30°26.4′ E114°09.5′	50	For VOR: BTN 16-17.7NM on R030° U/S.
岑村 Cencun VOR/DME	CEN	114.6 MHz CH 93X	H24	N23°09.1′ E113°25.0′	108	
茶庵 Cha'an VOR/DME	HFC	111.8 MHz CH 55X	H24	N32°04.8′ E116°46.1′	47	
昌北 Changbei VOR/DME	NCH	115.1 MHz CH 98X	H24	N28°53.1′ E115°54.7′	43	
常德 Changde NDB	CD	225 kHz	H24	N28°50.9′ E111°37.3′		Beyond 12NM on BRG009° for SID U/S.
昌都 Changdu NDB	RG	247 kHz	H24	N31°08.8′ E097°10.6′		BTN 17-25NM on BRG 003°,beyond 12NM on BRG 052°,BTN 9-12NM on BRG 059° U/S.

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长海 Changhai VOR/DME	CHI	116.8 MHz CH 115X	H24	N39°16.0′ E122°37.0′	46	For VOR: BTN 20-22NM on R257° U/S.
长生桥 Changshengqiao VOR/DME	SHC	111.0 MHz CH 47X	H24	N29°25.9′ E106°43.7′	500	
长武 Changwu NDB	HO	375 kHz	H24	N35°12.6′ E107°46.1′		Beyond 40NM on BRG 070° U/S.
长治 Changzhi NDB	SQ	398 kHz	H24	N36°14.4′ E113°07.0′		
朝阳 Chaoyang VOR/DME	CHG	114.5 MHz CH 92X	H24	N41°32.2′ E120°26.0′	183	
茶山 Chashan VOR/DME	KGF	116.45 MHz CH 111Y	H24	N30°09.0′ E114°45.7′	114	
车道峪 Chedaoyu NDB	CDY	292 kHz	H24	N40°34.7′ E117°13.4′		U/S.
承德 Chengde VOR/DME	DHC	112.3 MHz CH 70X	H24	N41°07.7′ E118°02.8′	687	
成都 Chengdu NDB	ZW	260 kHz	H24	N30°30.0′ E103°54.5′		Beyond 30NM on BRG122°, beyond 10NM on BRG260° for SID, beyond 10NM on BRG269° for STAR/SID U/S.
程海 Chenghai VOR/DME	CEH	113.4 MHz CH 81X	H24	N26°39.9′ E100°43.2′	2 629	
赤峰 Chifeng VOR/DME	CHF	115.5 MHz CH 102X	H24	N42°11.4′ E118°48.7′	748	

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崇州 Chongzhou VOR/DME	CZH	114.5 MHz CH 92X	H24	N30°38.7′ E103°41.2′		
从化 Conghua VOR/DME	CON	113.0 MHz CH 77X	H24	N23°35.3′ E113°35.2′	77	
大虎山 Dahushan VOR/DME	DHN	116.5 MHz CH 112X	H24	N41°38.7′ E122°06.9′		
大理 Dali VOR/DME	DAL	112.6 MHz CH 73X	H24	N25°38.6′ E100°19.4′	2 199	For VOR/DME: R064°-R107° clockwise U/S; For DME: Beyond 22NM on R020° for STAR/SID U/S.
大连 Dalian VOR/DME	DBL	115.4 MHz CH 101X	H24	N38°57.7′ E121°34.2′	59	
丹东 Dandong VOR/DME	DDG	113.9 MHz CH 86X	H24	N40°15.4′ E124°17.0′	98	
党山 Dangshan VOR/DME	DSH	117.3 MHz CH 120X	H24	N30°08.9′ E120°30.1′	38	
当阳 Dangyang NDB	VL	261 kHz	H24	N30°45.1′ E111°51.2′		
稻城 Daocheng VOR/DME	MYD	115.9 MHz CH 106X	H24	N29°21.4′ E100°02.7′	4 428	
大榕江 Darongjiang NDB	VQ	398 kHz	H24	N25°33.7′ E110°28.6′		
大托铺 Datuopu NDB	ZK	520 kHz	H24	N28°01.1′ E112°57.8′		

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大王庄 Dawangzhuang VOR/DME	VYK	112.7 MHz CH 74X	H24	N39°11.7′ E116°34.3′		
磴口 Dengkou VOR/DME	DKO	113.5 MHz CH 82X	H24	N40°18.5′ E106°57.8′	1 019	
德新 Dexin VOR/DME	CDX	116.35 MHz CH 110Y	H24	N31°15.0′ E104°22.8′	540	R255°-R360° clockwise U/S.
东定日 Dongdingri VOR/DME	DRD	117.1 MHz CH 118X	H24	N28°35.9′ E086°54.9′	4 301	For VOR/DME: R141°-R210° clockwise U/S; For VOR: beyond 20NM on R003° for ENR,beyond 13NM on R003° for STAR/SID,R210°-R218° clockwise,R310°-R016°(except R003°)clockwise U/S; For DME: beyond 13NM on R003° for ENR,beyond 9NM on R003° for STAR/SID,R210°-R226° clockwise,R307°-R036°(except R003°)clockwise U/S.
东木栏头 Dongmulantou VOR/DME	MLT	112.7 MHz CH 74X	H24	N20°09.1′ E110°40.4′	61	For VOR: beyond 21NM on R260° U/S
东山 Dongshan VOR/DME	DST	109.2 MHz CH 29X	H24	N27°45.0′ E120°37.8′	39	VOR/DME: R021°-R041° clockwise for IAP and beyond 22NM on R036° for STAR/SID U/S; For VOR: Beyond 22NM on R032° for IAP U/S; For DME: Beyond 17NM on R032° for IAP and beyond 37NM on R294° for STAR/SID U/S.
东羊角 Dongyangjiao NDB	PU	296 kHz	H24	N41°30.4′ E123°17.5′		

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东营 Dongying VOR/DME	DYN	114.0 MHz CH 87X	H24	N37°31.7′ E118°47.2′	14	
敦煌 Dunhuang VOR/DME	DNH	115.5 MHz CH 102X	H24	N40°09.8′ E094°50.7′	1 122	
额济纳旗 Ejinaqi VOR/DME	JNQ	112.7 MHz CH 74X	H24	N41°59.4′ E101°03.0′		
恩施 Enshi VOR/DME	ENH	114.7 MHz CH 94X	H24	N30°17.5′ E109°36.1′	1 147	For VOR: BTN 15-16NM on R247° for SID U/S.
二连浩特 Erenhot VOR/DME	LHT	112.5 MHz CH 72X	H24	N43°24.8′ E112°07.6′	1 014	R255°-R025° clockwise (except R283°, R297°, R314° and R335°) U/S.
二塘 Ertang NDB	QP	213 kHz	H24	N24°40.2′ E110°46.6′		
阜康 Fukang VOR/DME	FKG	116.3 MHz CH 110X	H24	N44°10.4′ E087°59.0′	551	For DME: Beyond 15NM on R224° and beyond 33NM on R245° U/S.
涪陵 Fuling VOR/DME	FLG	114.0 MHz CH 87X	H24	N29°42.0′ E107°22.7′		For VOR: R165°-R190° clockwise, R210°-R225° clockwise U/S; For DME: R165°-R240° clockwise, beyond 17NM on R247° for SID, beyond 24NM on R247° for ENR U/S.
福清 Fuqing VOR/DME	FQG	117.4 MHz CH 121X	H24	N25°44.4′ E119°23.1′		Beyond 24NM on R040° and R041° for IAP U/S.
阜阳 Fuyang VOR/DME	FYG	112.9 MHz CH 76X	H24	N32°53.0′ E115°44.0′	42	
扶余 Fuyu VOR/DME	FYU	113.7 MHz CH 84X	H24	N44°54.7′ E124°48.2′		

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富蕴 Fuyun VOR/DME	XFY	114.7 MHz CH 94X	H24	N46°47.7′ E089°32.4′	938	
福州 Fuzhou VOR/DME	FOC	116.8 MHz CH 115X	H24	N25°54.8′ E119°39.1′		R010°-R160° clockwise (except R014°, R030°) U/S.
嘎玛 Gama VOR/DME	GMM	112.5 MHz CH 72X	H24	N29°25.8′ E094°27.3′		
高栏 Gaolan NDB	UJ	204 kHz	H24	N21°55.2′ E113°17.6′		
高密 Gaomi NDB	YO	443 kHz	H24	N36°26.3′ E119°41.3′		
高要 Gaoyao VOR/DME	GYA	116.5 MHz CH 112X	H24	N23°04.2′ E112°29.2′		
耿马 Gengma VOR/DME	GMA	114.7 MHz CH 94X	H24	N23°31.7′ E099°24.5′		R150°-R215° clockwise U/S.
广元 Guangyuan VOR/DME	GYN	115.1 MHz CH 98X	H24	N32°23.2′ E105°41.4′	627	
观澜 Guanlan VOR/DME	GLN	112.0 MHz CH 57X	H24	N22°42.5′ E114°02.0′		
贵阳 Guiyang VOR/DME	KWE	114.3 MHz CH 90X	H24	N26°31.4′ E106°47.7′	1 178	
谷塘 Gutang NDB	W	388 kHz	H24	N28°13.1′ E113°13.0′		BTN 5-15NM on BRG 083°,beyond 20NM on BRG 297° U/S.
固原 Guyuan VOR/DME	GUY	112.6 MHz CH 73X	H24	N36°04.8′ E106°12.9′	1 735	For DME:Beyond 31NM on R219° for ENR U/S.

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海拉尔 Hailar VOR/DME	HLD	115.1 MHz CH 98X	H24	N49°12.2′ E119°49.3′	667	
海青 Haiqing NDB	IJ	394 kHz	H24	N47°52.1′ E134°38.7′		BRG130°-BRG060° clockwise, within 27NM on BRG 081° U/S.
杭州 Hangzhou VOR/DME	HGH	113.0 MHz CH 77X	H24	N30°14.4′ E120°27.7′	13	
哈尔滨 Harbin VOR/DME	HRB	112.5 MHz CH 72X	H24	N45°37.6′ E126°15.6′	137	
荷苞湖 Hebaohu VOR/DME	DHB	114.45 MHz CH 91Y	H24	N30°41.9′ E113°58.3′	100	
黑河 Heihe VOR/DME	HEK	114.0 MHz CH 87X	H24	N50°10.1′ E127°18.6′	330	R330°-R190° clockwise （except R029° for STAR/SID/ENR, R189° and R190° for IAP, R165° and R351° for IAP, RWY35 DME for IAP）U/S.
河口 Hekou VOR/DME	HOK	116.0 MHz CH 107X	H24	N31°19.5′ E114°25.8′		
合流水 Heliushui NDB	DS	250 kHz	H24	N30°12.0′ E106°50.9′		
横沙 Hengsha VOR/DME	HSH	114.4 MHz CH 91X	H24	N31°22.1′ E121°50.8′	24	
衡水 Hengshui NDB	HG	350 kHz	H24	N37°43.0′ E115°42.3′		
河西 Hexi NDB	SB	319 kHz	H24	N27°44.4′ E102°09.9′		BTN 5-18NM on BRG 051° for SID, BTN 6-11NM, 17-19NM on BRG 132° for SID, BTN 5-11NM, 19-22NM on BRG 245° for SID, BTN 11-16NM on BRG 345° for SID U/S.

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呼和浩特 Hohhot VOR/DME	HET	116.9 MHz CH 116X	H24	N40°43.5′ E111°54.0′	1 095	
和田 Hotan VOR/DME	HTN	113.1 MHz CH 78X	H24	N37°02.2′ E079°52.1′	1 431	
淮安 Huaian VOR/DME	HUN	113.3 MHz CH 80X	H24	N33°46.4′ E119°06.6′	18	
怀来 Huailai NDB	KM	360 kHz	H24	N40°23.3′ E115°29.8′		U/S.
怀柔 Huairou VOR/DME	HUR	113.6 MHz CH 83X	H24	N40°19.8′ E116°44.9′	62	
黄城 Huangcheng VOR/DME	HCH	116.1 MHz CH 108X	H24	N37°39.3′ E120°32.7′	34	
黄陂 Huangpi VOR/DME	DHP	113.75 MHz CH 84Y	H24	N30°52.2′ E114°28.2′	55	
黄平 Huangping VOR/DME	KHP	113.4 MHz CH 81X	H24	N26°58.4′ E107°59.5′	943	
黄山 Huangshan VOR/DME	TXN	116.1 MHz CH 108X	H24	N29°44.3′ E118°15.2′	141	BTN 37-49.5NM on R011° for STAR/SID U/S.
花垣 Huayuan VOR/DME	HUY	112.0 MHz CH 57X	H24	N28°34.8′ E109°27.0′		R010°-R030° clockwise U/S.

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湖光 Huguang NDB	LH	356 kHz	H24	N21°08.1′ E110°20.0′		Beyond 30NM on BRG120° for ENR, beyond 5NM on BRG163° for IAP, BTN 8-15NM, 26-32NM, beyond 36NM on BRG174° for ENR, beyond 37NM on BRG175° for SID, beyond 7NM on BRG186° for STAR, BTN 6-12NM, beyond 25NM on BRG187° for STAR, BRG196°- BRG206° clockwise, BTN 5-14NM on BRG228° for SID, BTN 4-9NM, 10-12NM on BRG254° for STAR/SID U/S.
回龙 Huilong VOR/DME	HLC	115.95 MHz CH 106Y	H24	N30°18.1′ E103°41.7′	567	
回龙山 Huilongshan VOR/DME	MOU	114.95 MHz CH 96Y	H24	N30°36.7′ E114°59.3′	112	
佳木斯 Jiamusi VOR/DME	JMU	113.5 MHz CH 82X	H24	N46°50.5′ E130°27.9′	91	
江北 Jiangbei VOR/DME	CKG	116.1 MHz CH 108X	H24	N29°44.8′ E106°39.2′	418	
笕桥 Jianqiao NDB	CJ	324 kHz	H24	N30°18.3′ E120°10.0′		
胶北 Jiaobei VOR/DME	JDW	116.85 MHz CH 115Y	H24	N36°19.8′ E119°58.6′	49	
胶东 Jiaodong VOR/DME	JDG	114.45 MHz CH 91Y	H24	N36°22.7′ E120°04.0′	13	
嘉峪关 Jiayuguan VOR/DME	CHW	114.5 MHz CH 92X	H24	N39°51.3′ E098°21.0′	1 559	For DME: BTN 58-63NM on R310° U/S.

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济南 Jinan VOR/DME	YQG	113.7 MHz CH 84X	H24	N36°50.0′ E117°12.9′	31	
静宁 Jingning VOR/DME	JIG	113.7 MHz CH 84X	H24	N35°31.9′ E105°43.4′		
景泰 Jingtai VOR/DME	JTA	114.9 MHz CH 96X	H24	N37°11.8′ E104°04.8′		For VOR:Beyond 30NM on R232° ,beyond 65NM on R279° U/S; For DME:Beyond 25NM on R232° ,beyond 50NM on R279° U/S.
荆州 Jingzhou VOR/DME	DJZ	115.55 MHz CH 102Y	H24	N30°15.8′ E112°26.9′	45	
晋江 Jinjiang VOR/DME	JNJ	117.0 MHz CH 117X	H24	N24°48.1′ E118°35.8′	16	Beyond 15NM on R150°-R235° clockwise U/S.
晋宁 Jinning VOR/DME	XSJ	108.2 MHz CH 19X	H24	N24°41.0′ E102°48.0′	2 383	
金堂 Jintang VOR/DME	JTG	115.4 MHz CH 101X	H24	N30°52.3′ E104°23.4′		For VOR: Beyond 24NM on R029° for STAR, beyond 37NM on R068° for SID, R170°-R205° clockwise, beyond 20NM on R206° for SID, R320°-R360° clockwise U/S; For DME: Beyond 40NM on R068° for SID, R170°-R205° clockwise U/S.
九亭 Jiuting VOR/DME	JTN	109.6 MHz CH 33X	H24	N31°07.4′ E121°20.5′	28	
九洲 Jiuzhou VOR/DME	ZAO	117.2 MHz CH 119X	H24	N22°14.7′ E113°36.7′	47	
济源 Jiyuan NDB	GU	234 kHz	H24	N35°06.6′ E112°31.8′		

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开原 Kaiyuan VOR/DME	KYU	114.9 MHz CH 96X	H24	N42°37.9′ E124°00.4′		
康定 Kangding VOR/DME	KDJ	112.4 MHz CH 71X	H24	N30°08.5′ E101°43.9′	4 247	R040°-R115° clockwise U/S.
喀什 Kashi VOR/DME	KHG	115.7 MHz CH 104X	H24	N39°32.8′ E076°01.4′	1 401	
寇岭 Kouling VOR/DME	KLX	110.6 MHz CH 43X	H24	N34°15.9′ E109°14.9′	908	For VOR: Beyond 10NM on R100° U/S; For DME: Beyond 20NM on R340° U/S.
临沂 LINYI VOR/DME	LNY	112.8 MHz CH 75X	H24	N35°03.0′ E118°24.8′	74	
来宾 Laibin VOR/DME	LBN	113.7 MHz CH 84X	H24	N23°45.8′ E109°08.8′	126	
莱阳 Laiyang NDB	FD	298 kHz	H24	N36°55.8′ E120°37.9′		
兰州 Lanzhou VOR/DME	DNC	114.0 MHz CH 87X	H24	N36°32.5′ E103°37.1′	1 965	
老粮仓 Laoliangcang NDB	GJ	245 kHz	H24	N28°05.0′ E112°13.0′		
老粮仓 Laoliangcang VOR/DME	LLC	116.2 MHz CH 109X	H24	N28°04.1′ E112°12.5′		
拉萨 Lhasa VOR/DME	LXA	113.1 MHz CH 78X	H24	N29°17.8′ E090°59.9′	3 571	For VOR:R175°-R185° clockwise U/S; For DME:R168°-R220° clockwise U/S.
凉城 Liangcheng NDB	SZ	282 kHz	H24	N40°31.1′ E112°29.7′		BTN 4-6NM on BRG 312°, BTN 4-6NM and 14-16NM on BRG 315°, beyond 17NM on BRG 343° U/S.

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良乡 Liangxiang NDB	JR	475 kHz	H24	N39°43.2′ E116°05.7′		
连江 Lianjiang VOR/DME	LJG	117.6 MHz CH 123X	H24	N26°13.2′ E119°32.9′		For VOR/DME: R070°-150° clockwise (except R107° for IAP, R131° for SID) U/S; For DME: beyond 35NM on R006° for ENR, beyond 10NM on R131° for SID U/S.
连胜围 Lianshengwei VOR/DME	ZUH	116.7 MHz CH 114X	H24	N22°13.3′ E113°28.0′	68	For VOR/DME: R136°-156° clockwise (except R147°), beyond 16NM on R210° for STAR/IAP U/S; For DME:beyond 15NM on R147° for ENR,beyond 23NM on R227° for IAP U/S.
连云港 Lianyungang VOR/DME	GFK	117.65 MHz CH 123Y	H24	N34°23.5′ E119°09.9′	18	
荔波 Libo VOR/DME	GLB	112.8 MHz CH 75X	H24	N25°27.3′ E107°57.8′	854	
丽江 Lijiang VOR/DME	LJA	113.7 MHz CH 84X	H24	N26°46.4′ E100°16.4′	2 438	For VOR/DME: Within 0.4NM on R015° for IAP, R070°-R090° clockwise,within 0.8NM on R195° for IAP U/S; For VOR: Beyond 25NM enroute ALT 5100m on R053°, beyond 22NM on R106° for STAR U/S; For DME: Beyond 17NM enroute ALT 5100m on R053°, beyond 13NM on R106° for STAR, beyond 26NM enroute ALT 4800m on R179°, R319°-R321° clockwise U/S.
醴陵 Liling VOR/DME	LIG	112.4 MHz CH 71X	H24	N27°38.9′ E113°31.0′	85	
临澧 Linli VOR/DME	LIN	117.5 MHz CH 122X	H24	N29°21.2′ E111°38.9′	108	

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导航设施名称、类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作时间 Hours of operation	坐标 Coordinates	DME 天线标高 ELEV of DME antenna(m)	备注 Remarks
栎社 Lishe NDB	BK	227 kHz	H24	N29°53.7′ E121°20.0′		
六盘水 Liupanshui VOR/DME	LPS	116.3 MHz CH 110X	H24	N26°38.6′ E105°01.8′	2 101	
浏阳 Liuyang VOR/DME	LYH	113.55 MHz CH 82Y	H24	N28°23.6′ E113°20.6′	215	
龙口 Longkou VOR/DME	LKO	115.8 MHz CH 105X	H24	N29°54.4′ E113°41.5′		For VOR：R050°-R080° clockwise U/S.
龙门 Longmen VOR/DME	LMN	116.3 MHz CH 110X	H24	N23°38.9′ E114°19.6′	39	
龙枣村 Longzaocun VOR/DME	LCZ	109.0 MHz CH 27X	H24	N34°27.1′ E108°47.6′	474	
龙州 Longzhou VOR/DME	LON	112.2 MHz CH 59X	H24	N22°21.4′ E106°52.1′		R130°-R030° clockwise(except R226°) ,beyond 4NM on R226°U/S.
隆子 Longzi VOR/DME	LZP	112.3 MHz CH 70X	H24	N28°25.8′ E092°13.1′	4 046	For VOR/DME: R105°-R255° clockwise U/S; For VOR: R340°-R050° clockwise (except R359° for STAR/SID),beyond 15NM on R359° for STAR/SID U/S; For DME: R255°-R280° clockwise (except R275° for HLDG),R325°-R065° clockwise (except R359° for STAR/SID),beyond 10NM on R359° for STAR/SID U/S.
滦县 Luanxian VOR/DME	LUX	117.1 MHz CH 118X	H24	N39°44.5′ E118°43.6′		For VOR:beyond 21NM on R273° for SID,beyond 29NM on R275° for SID U/S.
芦冲 Luchong NDB	SV	345 kHz	H24	N28°13.0′ E113°20.9′		

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禄口 Lukou VOR/DME	NJL	113.6 MHz CH 83X	H24	N31°45.3′ E118°53.2′	24	R182°-R202° clockwise, R300°-R320° clockwise, R332°-R350° clockwise (except on R349° for ENR) U/S.
洛川 Luochuan VOR/DME	WJC	115.3 MHz CH 100X	H24	N35°46.7′ E109°22.6′	1 117	
骆岗 Luogang VOR/DME	HFE	116.7 MHz CH 114X	H24	N31°46.5′ E117°18.1′	89	For VOR: R314° for IAP U/S.
洛阳 Luoyang VOR/DME	LYA	114.1 MHz CH 88X	H24	N34°44.5′ E112°23.7′	268	
泸西 Luxi VOR/DME	LXI	112.3 MHz CH 70X	H24	N24°32.5′ E103°44.6′	1 753	For VOR/DME：BTN 70.2-83NM on R105° for HLDG U/S; For VOR：Beyond 38NM on R292° for SID U/S; For DME：Beyond 21NM on R292° for SID U/S.
马龙 Malong VOR/DME	DJT	114.6 MHz CH 93X	H24	N25°31.9′ E103°36.3′	2 314	
芒市 Mangshi VOR/DME	LUM	114.1 MHz CH 88X	HO	N24°24.3′ E098°32.4′	887	
满洲里 Manzhouli VOR/DME	MZL	113.1 MHz CH 78X	H24	N49°19.7′ E117°38.7′		R320°-R100° clockwise (except R007°, R343°) U/S.
玛旁雍 Mapangyong VOR/DME	OLP	113.4 MHz CH 81X	H24	N30°47.8′ E081°23.7′	4 801	R090°-R208° clockwise U/S.
绵阳 Mianyang VOR/DME	MYG	114.8 MHz CH 95X	H24	N31°26.0′ E104°44.0′	538	
觅子 Mizi VOR/DME	MIZ	109.6 MHz CH 33X	H24	N34°49.2′ E108°59.7′	631	

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秣陵 Moling VOR/DME	MLJ	117.05 MHz CH 117Y	H24	N31°50.7′ E118°51.3′	19	
牡丹江 Mudanjiang VOR/DME	MDJ	117.1 MHz CH 118X	H24	N44°30.9′ E129°33.8′	278	
那拉提 Nalati VOR/DME	NLT	115.5 MHz CH 102X	H24	N43°25.9′ E083°22.7′	935	For VOR/DME：R135°-R205° clockwise U/S; For DME：Beyond 27NM on R210° for STAR/SID U/S.
南丰 Nanfeng NDB	NF	292 kHz	H24	N27°12.5′ E116°33.5′		
南康 Nankang VOR/DME	BHY	117.1 MHz CH 118X	H24	N21°35.2′ E109°25.9′	35	
南朗 Nanlang VOR/DME	NLG	117.7 MHz CH 124X	H24	N22°31.9′ E113°33.7′	9	
南宁 Nanning VOR/DME	WUY	112.4 MHz CH 71X	H24	N22°35.1′ E108°08.9′	142	For VOR:BTN -0.5-0.3NM on R228°U/S; For DME:BTN -0.5-0NM on R228°U/S.
南泥湾 Nanniwan VOR/DME	NNW	114.75 MHz CH 94Y	H24	N36°25.2′ E109°29.1′	1 314	For VOR: Within 0.2NM on R168°, within 0.3NM on R348° U/S. For DME: Within 0.1NM on R168°, within 0.8NM on R348° U/S.
南通 Nantong VOR/DME	NTG	115.6 MHz CH 103X	H24	N32°05.8′ E120°58.7′	19	
南翔 Nanxiang NDB	PK	208 kHz	H24	N31°17.0′ E121°19.8′		Beyond 4NM on BRG 002°,beyond 7NM on BRG 243°,BTN 7-12NM on BRG 264°,BTN 14-19NM on BRG 292°,beyond 3.5NM on BRG 350° U/S.
南雄 Nanxiong VOR/DME	NNX	115.6 MHz CH 103X	H24	N25°05.7′ E114°16.4′	39	

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南浔 Nanxun VOR/DME	NXD	116.5 MHz CH 112X	H24	N30°53.8′ E120°25.8′		
南阳 Nanyang NDB	ML	446 kHz	H24	N32°55.0′ E112°33.0′		
南盈滨岛 Nanyingbindao VOR/DME	NYB	113.3 MHz CH 80X	H24	N20°00.9′ E110°08.2′	27	
宁陕 Ningshan VOR/DME	NSH	116.3 MHz CH 110X	H24	N33°19.1′ E108°18.7′		For VOR/DME: beyond 17NM on R029°,beyond 8NM on R091°, R140°, beyond 18NM on R201°, beyond 17NM on R204°, beyond 25NM on R221°, beyond 11NM on R262° U/S; For VOR: R040°-R200°clockwise,beyond 24NM on R071°,R250°-R360° clockwise (except R071 °,R091°, R262°) U/S; For DME: within 7NM and beyond 23NM on R015°,within 7NM on R029°, beyond 16NM on R071°,BTN R250°-R210°clockwise(except R015°,R029°,R071°,R091°,R201°,R204°,R209°,R262°) U/S.
牛岭 Niuling VOR/DME	JCS	116.6 MHz CH 113X	H24	N23°35.9′ E116°24.7′	138	
鄂尔多斯 Ordos VOR/DME	HDS	116.1 MHz CH 108X	H24	N39°29.4′ E109°51.7′	1 401	
盘龙 Panlong VOR/DME	XFA	110.8 MHz CH 45X	H24	N25°24.1′ E102°56.0′	2 788	
蟠龙 Panlong VOR/DME	PLT	111.6 MHz CH 53X	H24	N25°48.5′ E114°52.5′	163	

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蓬莱 Penglai VOR/DME	YCS	116.4 MHz CH 111X	H24	N37°40.7′ E121°00.0′	48	
平洲 Pingzhou VOR/DME	POU	114.1 MHz CH 88X	H24	N23°01.3′ E113°11.4′	27	
邳县 Pixian VOR/DME	DPX	112.4 MHz CH 71X	H24	N34°16.7′ E117°59.9′		
泊头 Potou VOR/DME	BTO	115.9 MHz CH 106X	H24	N38°06.3′ E116°34.6′		
浦东 Pudong VOR/DME	PUD	116.9 MHz CH 116X	H24	N31°10.3′ E121°47.0′	15	
黔西 Qianxi VOR/DME	QNX	113.1 MHz CH 78X	H24	N27°02.5′ E106°01.8′		
奇峰岭 Qifengling NDB	Y	417 kHz	H24	N25°10.3′ E110°19.1′		
綦江 Qijiang VOR/DME	QJG	112.7 MHz CH 74X	H24	N29°03.1′ E106°39.9′	426	For VOR:beyond 20NM on R011° for STAR U/S; For DME:beyond 18NM on R011° for STAR U/S.
青白口 Qingbaikou NDB	CD	422 kHz	H24	N40°00.8′ E115°48.3′		Beyond 25NM on BRG 053°,beyond 25NM on BRG 112°,within 12NM on BRG 119°,beyond 18NM on BRG 154°,within 9NM and beyond 21NM on BRG 225°,within 9NM on BRG 236°,beyond 18NM on BRG 262°U/S.
青岛 Qingdao VOR/DME	TAO	117.5 MHz CH 122X	H24	N36°17.3′ E120°22.2′	18	

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庆阳 Qingyang VOR/DME	QIY	113.4 MHz CH 81X	H24	N35°47.8′ E107°35.9′	1 411	
齐齐哈尔 Qiqihar VOR/DME	NDG	112.9 MHz CH 76X	H24	N47°14.7′ E123°55.2′		
奇台 Qitai VOR/DME	QTV	112.1 MHz CH 58X	H24	N43°59.3′ E089°36.7′		
龟兹 Qiuci VOR/DME	XKC	114.1 MHz CH 88X	H24	N41°40.6′ E082°50.6′	1 032	
日喀则 Rikaze VOR/DME	RKZ	113.5 MHz CH 82X	H24	N29°21.3′ E089°16.3′	3 805	For VOR: R355°-R005° clockwise U/S; For DME: R175°-R180°, R350°-R010° clockwise U/S.
三江 Sanjiang VOR/DME	SJG	116.8 MHz CH 115X	H24	N25°46.6′ E109°36.6′	342	
三峡 Sanxia VOR/DME	YIH	116.9 MHz CH 116X	H24	N30°32.1′ E111°30.4′	186	
三亚 Sanya VOR/DME	SYX	112.5 MHz CH 72X	H24	N18°18.6′ E109°10.4′	457	
三原 Sanyuan NDB	OD	202 kHz	H24	N34°35.9′ E108°54.9′		Beyond 11NM on BRG108°,beyond 12NM on BRG134°,beyond 38NM on BRG200°.
三灶 Sanzao NDB	U	272 kHz	H24	N21°59.3′ E113°21.3′		
上马 Shangma VOR/DME	JDE	116.25 MHz CH 109Y	H24	N36°17.4′ E120°15.2′	52	
上饶 Shangrao VOR/DME	SHR	114.0 MHz CH 87X	H24	N28°25.0′ E117°58.2′		

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商县 Shangxian NDB	RA	345 kHz	H24	N33°52.6′ E109°55.8′		
商县 Shangxian VOR/DME	SHX	112.5 MHz CH 72X	H24	N33°52.6′ E109°56.1′	756	For VOR/DME: beyond 19NM on R063° U/S; For VOR: R300°-R070° clockwise(except R063°)U/S; For DME: R320°-R060° clockwise U/S.
山海关 Shanhaiguan NDB	LC	203 kHz	H24	N39°59.9′ E119°47.1′		
汕头 Shantou VOR/DME	SWA	112.6 MHz CH 73X	H24	N23°26.4′ E116°46.0′		
嵊州 Shengzhou VOR/DME	SHZ	113.4 MHz CH 81X	H24	N29°36.0′ E120°49.0′		
沈阳 Shenyang VOR/DME	SEY	114.1 MHz CH 88X	H24	N41°38.5′ E123°28.7′	59	
石各庄 Shigezhuang NDB	VM	280 kHz	H24	N39°17.8′ E116°54.1′		U/S.
石龙 Shilong VOR/DME	SHL	115.7 MHz CH 104X	H24	N23°05.5′ E113°51.0′		
石湫 Shiqiu VOR/DME	SNQ	115.75 MHz CH 104Y	H24	N31°40.8′ E118°58.1′	27	
狮泉河 Shiquanhe VOR/DME	SQH	114.5 MHz CH 92X	H24	N32°27.5′ E080°03.6′		
双流 Shuangliu VOR/DME	CTU	115.7 MHz CH 104X	H24	N30°34.4′ E103°56.6′	505	For DME: BTN 12-14NM on R290° for ENR/SID U/S.

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水泉 Shuiquan NDB	LS	445 kHz	H24	N45°27.0′ E126°02.7′		
硕放 Shuofang VOR/DME	SUF	114.1 MHz CH 88X	H24	N31°29.9′ E120°25.9′	11	
书院 Shuyuan VOR/DME	XSY	112.7 MHz CH 74X	H24	N30°55.9′ E121°52.4′	27	
塔城 Tacheng VOR/DME	TCH	113.1 MHz CH 78X	H24	N46°39.5′ E083°22.1′	619	R220°-R060° clockwise(except on R277°,R283°,R297°,R299°), beyond 11NM on R297° U/S.
太原 Taiyuan VOR/DME	TYN	113.1 MHz CH 78X	H24	N37°44.9′ E112°37.2′	786	For VOR: Beyond 36NM on R280° U/S; For DME: Beyond 24NM on R280° U/S.
汤河口 Tanghekou NDB	YV	514 kHz	H24	N40°44.0′ E116°38.0′		U/S.
桃花 Taohua VOR/DME	THA	114.7 MHz CH 94X	H24	N31°46.7′ E117°07.4′	45	
陶家宫 Taojiagong VOR/DME	HAM	113.1 MHz CH 78X	H24	N42°50.6′ E093°40.1′	843	For DME: Within 13NM on R290° U/S.
天河 Tianhe VOR/DME	WHA	112.2 MHz CH 59X	H24	N30°46.9′ E114°12.2′	43	
天河 Tianhe NDB	HG	254 kHz	H24	N30°55.5′ E114°21.0′		Effective distance 25-150km BRG 360°-030° clockwise U/S.
天津 Tianjin VOR/DME	TAJ	112.1 MHz CH 58X	H24	N39°06.6′ E117°21.5′	11	
天门 Tianmen VOR/DME	WTM	108.8 MHz CH 25X	H24	N30°45.2′ E113°08.5′	52	For VOR:BTN 36-44NM on R270° U/S.

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天山 Tianshan VOR/DME	XGD	112.05 MHz CH 57Y	H24	N30°41.5′ E115°07.4′	178	
天镇 Tianzhen VOR/DME	TZH	115.6 MHz CH 103X	H24	N40°24.5′ E114°03.1′		
统景场 Tongjingchang NDB	OS	241 kHz	H24	N29°51.1′ E106°50.8′		
通辽 Tongliao VOR/DME	TGO	116.3 MHz CH 110X	H24	N43°33.6′ E122°11.8′	192	
桐庐 Tonglu VOR/DME	TOL	115.9 MHz CH 106X	H24	N29°45.8′ E119°39.6′	54	For DME: R098 °-R153°,beyond 32NM on R252°,R282 °-R315° and R328 °-R338° clockwise U/S.
铜仁 Tongren VOR/DME	TRN	115.2 MHz CH 99X	H24	N27°52.1′ E109°17.6′	721	
土木尔台 Tumurtai VOR/DME	TMR	113.3 MHz CH 80X	H24	N41°50.6′ E113°09.2′		
屯里 Tunli NDB	FZ	247 kHz	H24	N37°27.1′ E121°10.7′		
乌鲁木齐 Urumqi VOR/DME	WUR	115.3 MHz CH 100X	H24	N43°54.8′ E087°30.5′	664	
万昌 Wanchang VOR/DME	LJB	115.9 MHz CH 106X	H24	N43°46.4′ E125°51.1′	199	
王滨沟 Wangbingou NDB	KY	365 kHz	H24	N41°42.3′ E123°44.8′		

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汪清 Wangqing VOR/DME	WQG	112.1 MHz CH 58X	H24	N43°17.6′ E129°47.1′		For VOR/DME: R130°-R205° clockwise U/S; For VOR: Beyond 20NM on R221° U/S; For DME: R035°-R066° clockwise, beyond 16.3NM on R221° U/S.
潍坊 Weifang VOR/DME	WFG	116.6 MHz CH 113X	H24	N36°38.8′ E119°07.2′	54	
威海 Weihai VOR/DME	WEH	115.8 MHz CH 105X	H24	N37°11.0′ E122°13.6′	45	
威宁 Weining NDB	HX	285 kHz	H24	N26°51.6′ E104°16.9′		
尉氏 Weishi VOR/DME	DWS	117.4 MHz CH 121X	H24	N34°19.4′ E114°04.7′	80	
魏县 Weixian VOR/DME	WXI	115.7 MHz CH 104X	H24	N36°21.8′ E114°55.0′		
文昌 Wenchang VOR/DME	WCF	117.5 MHz CH 122X	H24	N19°51.1′ E110°47.3′	49	
翁源 Wengyuan VOR/DME	WYN	113.9 MHz CH 86X	H24	N24°21.0′ E114°06.7′	43	For DME: Beyond 33NM on R098°U/S.
闻堰 Wenyan NDB	WY	572 kHz	H24	N30°07.3′ E120°12.1′		
武当山 Wudangshan VOR/DME	DSY	115.15 MHz CH 98Y	H24	N32°34.3′ E110°56.1′	364	
五凤溪 Wufengxi VOR/DME	WFX	117.1 MHz CH 118X	H24	N30°36.4′ E104°29.5′		

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无极 Wuji NDB	FL	272 kHz	H24	N38°14.9′ E114°53.3′		
五粮液 Wuliangye VOR/DME	WLY	112.9 MHz CH 76X	H24	N28°51.0′ E104°33.8′	400	For VOR:Within 0.3NM on R109° U/S.
五通 Wutong NDB	PA	286 kHz	H24	N25°24.3′ E110°03.6′		
无锡 Wuxi VOR/DME	VMB	113.9 MHz CH 86X	H24	N31°44.6′ E120°11.5′	38	
吴忠 Wuzhong VOR/DME	DWZ	112.4 MHz CH 71X	H24	N37°55.3′ E106°20.6′	1 103	
厦门 Xiamen VOR/DME	XMN	114.5 MHz CH 92X	H24	N24°32.6′ E118°07.4′	23	R060°- R220° clockwise U/S.
襄阳 Xiangyang NDB	NO	233 kHz	H24	N32°04.5′ E112°16.6′		
小丹阳 Xiaodanyang VOR/DME	XDY	115.15 MHz CH 98Y	H24	N31°40.0′ E118°43.0′	51	
西昌 Xichang VOR/DME	XIC	114.2 MHz CH 89X	H24	N28°00.2′ E102°11.0′	1 566	For DME: R076°-R110° clockwise U/S.
锡林浩特 Xilinhot VOR/DME	HOT	114.3 MHz CH 90X	H24	N43°54.9′ E115°58.0′	1 021	
杏林 Xinglin VOR/DME	XLN	114.7 MHz CH 94X	H24	N24°33.9′ E118°00.9′	46	For VOR/DME:R090°- R185° clockwise,beyond 43NM on R358° U/S; For VOR:Beyond 38NM on R231° U/S; For DME:Beyond 35NM on R231° U/S.

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行唐 Xingtang NDB	OC	235 kHz	H24	N38°27.3′ E114°33.3′		
西宁 Xining VOR/DME	XNN	116.5 MHz CH 112X	H24	N36°31.6′ E102°01.8′	2 196	For DME:beyond 34NM enroute ALT 6000m on R069°,beyond 38NM enroute ALT 5400m on R334°,beyond 36NM enroute ALT 6900m on R165° U/S.
新郑 Xinzheng VOR/DME	CGO	114.5 MHz CH 92X	H24	N34°31.1′ E113°50.6′	158	
西山 Xishan VOR/DME	SGM	110.6 MHz CH 43X	H24	N25°04.9′ E102°31.2′	2 312	
浠水 Xishui VOR/DME	XSH	115.4 MHz CH 101X	H24	N30°26.1′ E115°16.0′		
薛家岛 Xuejiadao VOR/DME	XDX	110.4 MHz CH 41X	H24	N35°58.7′ E120°17.4′	110	For VOR:BTN43-44NM enroute ALT 4200m on R164° U/S.
叙永 Xuyong VOR/DME	XYO	116.7 MHz CH 114X	H24	N28°10.3′ E105°25.2′		
徐州 Xuzhou VOR/DME	XUZ	114.3 MHz CH 90X	H24	N34°03.6′ E117°33.0′	6	
雅布赖 Yabrai VOR/DME	YBL	115.7 MHz CH 104X	H24	N39°25.3′ E102°46.5′		
盐城 Yancheng VOR/DME	YCH	115.3 MHz CH 100X	H24	N33°25.3′ E120°12.3′	13	
扬州 Yangzhou VOR/DME	SJD	113.1 MHz CH 78X	H24	N32°32.7′ E119°43.6′	13	

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导航设施名称、类别 Name and Types of Aid	识别 ID	频率波道 Frequency Channel	工作时间 Hours of operation	坐标 Coordinates	DME 天线标高 ELEV of DME antenna(m)	备注 Remarks
延吉 Yanji VOR/DME	YNJ	113.1 MHz CH 78X	H24	N42°53.0′ E129°27.1′	210	R040°-R218° clockwise(except the radial lines involved in flight procedures) U/S.
烟庄 Yanzhuang NDB	ZS	359 kHz	H24	N34°13.3′ E108°51.2′		BRG 003° for SID,within 6NM on BRG 029° for STAR, within 5NM on BRG 072° for SID, BRG 134° for missed approach, beyond 5NM on BRG 140° for STAR/SID , within 21NM on BRG 154° for SID, BRG 180° for STAR, BRG 230°-BRG270° clockwise, within 17NM on BRG 275° for SID, BRG 294° for HLDG, within 14NM and beyond 26NM on BRG 294° for STAR and ENR, BRG 311° for SID, within 20NM and beyond 38NM on BRG 311° for ENR U/S.
姚集 Yaoji NDB	DO	266 kHz	H24	N34°04.5′ E117°48.7′		
叶尔羌 Yarkant VOR/DME	DSC	112.5 MHz CH 72X	H24	N38°13.3′ E077°04.3′	1 317	
银川 Yinchuan VOR/DME	YHD	112.0 MHz CH 57X	H24	N38°20.8′ E106°24.6′	1 141	For VOR: BTN 24.5-29.5NM on R294° U/S
英德 Yingde VOR/DME	YIN	113.5 MHz CH 82X	H24	N24°11.4′ E113°24.9′	167	
义乌 Yiwu VOR/DME	YEU	113.2 MHz CH 79X	H24	N29°19.9′ E120°01.9′	87	For DME: beyond 20NM on R316° U/S.
永福 Yongfu NDB	JW	281 kHz	H24	N25°00.5′ E110°01.0′		BTN 8-10NM on BRG 241° for ENR U/S.
源潭 Yuantan VOR/DME	TAN	112.5 MHz CH 72X	H24	N23°40.1′ E113°14.5′	184	

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玉都 Yudu VOR/DME	DJQ	114.7 MHz CH 94X	H24	N38°13.0′ E085°26.6′	1 232	
榆林 Yulin VOR/DME	YLX	116.7 MHz CH 114X	H24	N38°22.9′ E109°34.7′	1 195	
运城 Yuncheng VOR/DME	YCE	112.3 MHz CH 70X	H24	N35°06.8′ E110°59.9′	405	
云和 Yunhe NDB	BZ	244 kHz	H24	N28°06.1′ E119°33.7′		
昝岗镇 Zangangzhen NDB	JB	403 kHz	H24	N39°02.6′ E116°11.9′		
泽当 Zedang NDB	DM	435 kHz	H24	N29°15.3′ E091°45.9′		
张家界 Zhangjiajie VOR/DME	DYG	114.4 MHz CH 91X	H24	N29°05.6′ E110°24.3′	246	Coverage for VOR: 200km. Coverage for DME: 350km. For VOR/DME: R120°-R230° clockwise(except on R126°) U/S; For VOR: Beyond 17NM on R126° for STAR/SID U/S; For DME: Beyond 8NM on R126° for STAR/SID U/S.
张家口 Zhangjiakou VOR/DME	HAR	113.9 MHz CH 86X	H24	N40°43.7′ E114°57.8′	735	For DME: R004°-R027° clockwise U/S.
张庄 Zhangzhuang NDB	AR	520 kHz	H24	N36°43.4′ E116°55.0′		
昭通 Zhaotong VOR/DME	ZAT	115.5 MHz CH 102X	H24	N27°19.4′ E103°45.3′		

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正定 Zhengding VOR/DME	SJW	117.7 MHz CH 124X	H24	N38°16.8′ E114°41.9′	68	
芷江 Zhijiang VOR/DME	ZHJ	117.8 MHz CH 125X	H24	N27°27.0′ E109°42.5′	275	
中卫 Zhongwei VOR/DME	ZWX	117.5 MHz CH 122X	H24	N37°34.4′ E105°07.5′	1 264	
中原 Zhongyuan VOR/DME	DZY	116.8 MHz CH 115X	H24	N34°43.6′ E113°33.0′	196	
周口 Zhoukou VOR/DME	ZHO	115.5 MHz CH 102X	H24	N33°39.9′ E114°39.3′	115	
舟山 Zhoushan VOR/DME	HSN	112.3 MHz CH 70X	H24	N29°55.9′ E122°21.8′	9	For DME: R096°-R104° clockwise and R243°-R254° clockwise U/S.
祖庵 Zu'an VOR/DME	ZNX	110.8 MHz CH 45X	H24	N34°06.7′ E108°30.2′	431	For VOR:R195-R210° clockwise(except R195° and R209°), beyond 28NM on R157° for SID ,beyond 24NM on R195° for SID,beyond 31NM on R209° for ENR U/S. For DME:R155-R220° clockwise(except R157°,R195° and R209°),beyond 47NM on R115° for SID,beyond 22NM on R157° for SID,beyond 20NM on R195° for SID,beyond 24NM on R209° for ENR and beyond 55NM on R348° for STAR/SID U/S.

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ENR4.2
特殊导航系统
Special navgation systems

(待补充) (to be developed.)

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ENR4.3
全球导航卫星系统
Global navigation satellite system (GNSS)

(待补充) (to be developed.)

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ENR 4.4
重要点名称代码
Name-code designators for significant points

名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route	名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route
ABTUB	N36°00′02″ E117°22′04″	A593 W568	ABTUD	N27°57′53″ E112°08′13″	R343 W227
ABVAX	N47°27′36″ E120°35′21″	A345	ABVIL	N29°38′30″ E119°18′54″	G204 W133 W504
ABVIR	N30°14′17″ E102°54′55″	V69	ADBAG	N24°13′18″ E105°13′00″	A599 R471
ADBAS	N30°20′36″ E120°16′02″	V77 W135	ADBES	N38°25′11″ E114°02′20″	B215
ADBIN	N21°58′05″ E112°49′16″	R200	ADGOL	N31°28′42″ E116°50′42″	W50 W164
ADKUN	N18°38′30″ E108°10′36″	W169	ADMUX	N38°52′33″ E090°57′01″	W112
ADNEN	N35°30′25″ E107°41′14″	W94 W541	ADPET	N44°25′03″ E089°41′36″	B206 W188 W190
ADPUM	N39°23′08″ E114°30′38″	W45	AGAVO	N37°10′00″ E124°00′00″	A591 G597 W209
AGOGU	N37°58′27″ E116°30′21″	W157	AGOXA	N44°04′31″ E088°50′42″	W99
AGPOR	N20°18′09″ E110°13′48″	A202 V12 V13 W71	AGPUX	N32°10′22″ E119°29′25″	V14
AGRAV	N23°16′18″ E111°31′40″	A599	AGRIV	N42°20′28″ E117°01′26″	W28 W52
AGSOS	N34°25′30″ E114°26′16″	W151	AGTEL	N20°30′00″ E110°17′36″	W71 W223
AGTIS	N27°22′08″ E106°45′00″	A581 W3 W182	AGULU	N32°15′43″ E107°11′31″	W81 W233 W242
AGUXI	N30°29′53″ E114°58′00″	W668	AGVEN	N38°57′25″ E107°02′38″	W220
AGVIL	N24°09′11″ E112°51′19″	W24	AGVUT	N37°58′28″ E074°54′51″	L181
AKAGI	N36°34′00″ E096°35′30″	Y1	AKAMI	N32°15′00″ E116°57′10″	W571

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AKARA	N31°30′00″ E123°30′00″	A326 A593	AKAVO	N27°15′37″ E119°33′21″	A470 W644
AKBEK	N30°27′47″ E106°51′10″	B213 W180	AKBEP	N33°45′44″ E121°51′25″	W113
AKDIK	N31°41′12″ E105°12′18″	W230	AKDIM	N30°26′10″ E120°03′08″	A470 W131
AKEKO	N28°27′29″ E119°34′53″	A470	AKLAS	N42°13′49″ E091°44′45″	G470 W189 W192
AKMAT	N37°36′06″ E103°50′35″	B330	AKNAV	N26°00′33″ E108°43′38″	B330
AKNAX	N32°03′44″ E117°17′15″	V78 W127	AKNUX	N40°20′20″ E113°13′16″	W64 W247
AKOMA	N34°41′29″ E114°45′10″	A461	AKOPI	N30°29′49″ E105°18′47″	W80
AKPAD	N42°11′06″ E116°28′30″	W33	AKREB	N30°03′42″ E108°20′25″	B213
AKSIG	N32°30′00″ E118°32′00″	W543	AKUBA	N28°45′18″ E113°36′01″	A461
AKVEP	N32°33′50″ E104°35′49″	B330	AKVOD	N39°57′15″ E112°02′49″	W560
AKVOV	N43°25′00″ E086°27′20″	B215	ALADU	N24°19′17″ E118°00′40″	W123
ALARA	N38°33′40″ E120°33′06″	A326 V45	ALBIG	N31°08′02″ E114°34′05″	W688
ALBOD	N38°05′10″ E115°18′04″	W62 W623	ALDAP	N31°37′31″ E122°22′14″	B221 G455 V141
ALDEL	N30°08′20″ E107°11′27″	B213 W550	ALEKI	N21°50′58″ E109°05′42″	R339
ALGAB	N27°58′29″ E105°35′11″	B330	ALGAG	N24°37′31″ E111°18′03″	G586
ALGAK	N36°30′12″ E107°16′05″	W216	ALGOV	N40°11′55″ E109°57′55″	W101 W193
AMURI	N24°42′01″ E118°10′07″	A470	AMVIK	N40°04′00″ E116°59′30″	V9
AMVOG	N38°25′23″ E114°43′24″	G212 W61	ANBEP	N31°06′09″ E107°35′35″	W4

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ANDIM	N37°21′30″ E102°26′23″	B215 W197	ANDIN	N41°04′42″ E118°42′54″	Used by ATC
ANISA	N28°18′02″ E114°59′37″	W46	ANLAM	N29°14′15″ E105°07′33″	W234
ANLUD	N26°28′09″ E119°43′22″	B221 W644	ANOBI	N40°13′17″ E119°10′45″	W35 W201
ANOLO	N40°06′30″ E114°00′00″	W96	ANONU	N28°39′11″ E115°37′08″	W530
ANPIG	N37°03′15″ E112°51′01″	B208	ANPIM	N19°22′44″ E109°49′49″	G221 W528
ANRAT	N38°39′30″ E119°57′24″	A326 V9 V47 W34 W575	ANSUK	N41°02′53″ E124°11′37″	A345 A575
APAKA	N23°51′50″ E118°26′40″	M503 W123	APESI	N43°45′37″ E125°58′04″	G341 W656 W657
APESO	N27°38′34″ E113°40′02″	W37 W615	APEXO	N31°23′38″ E105°38′16″	W233
APEXU	N38°39′22″ E113°56′03″	W45	APITO	N29°35′00″ E124°00′00″	A326
APOGO	N37°55′46″ E110°39′53″	B215 W218	APUKI	N28°09′33″ E106°42′10″	W3 W91
APUKO	N44°53′44″ E122°07′04″	A345	APUPA	N23°50′12″ E107°51′00″	A599
AREKU	N38°37′44″ E115°02′22″	W640	ARGUK	N47°53′00″ E134°39′30″	G212
ASAVA	N40°20′13″ E116°19′36″	W45 W47	ASILA	N41°57′31″ E115°57′07″	A575 B339
ASSAD	N18°20′30″ E107°40′54″	A202	ASURI	N42°36′09″ E111°54′02″	G343 W32
ATAGA	N24°09′41″ E113°41′02″	V5	ATALA	N17°40′18″ E109°17′20″	W169 W170
ATBUG	N41°01′50″ E104°28′24″	W28 W66	ATERI	N36°37′38″ E109°29′38″	W43 W193
ATKAV	N24°24′36″ E114°25′06″	W19 W20	ATKEV	N37°42′56″ E115°18′30″	V79 V80
ATLAD	N31°48′30″ E105°25′38″	W230	ATLAT	N23°30′47″ E110°21′45″	A599

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ATLED	N36°31′54″ E120°22′44″	W5	ATLIX	N31°38′03″ E119°23′00″	R343 V7
ATLUT	N31°01′09″ E114°56′09″	R343 W688	ATMEM	N32°53′04″ E114°41′02″	W37
ATNIK	N31°26′50″ E106°10′25″	W81	ATNOK	N39°16′08″ E096°50′39″	W191
ATOLO	N24°47′24″ E103°02′00″	W143 W150	ATPAV	N27°44′29″ E103°58′23″	W144
ATPIR	N38°16′54″ E115°54′47″	W37	ATPOG	N30°12′00″ E102°26′56″	V69
ATRAR	N38°17′40″ E115°05′00″	Used by ATC	ATRIP	N30°36′48″ E121°47′00″	W58
ATSAB	N25°05′36″ E118°37′06″	A470 W548 W643	ATSAV	N40°25′50″ E107°58′16″	W69
ATSUD	N30°27′15″ E111°21′26″	W80 W241	ATVAD	N33°17′45″ E118°51′15″	A593 V142
ATVAX	N29°30′12″ E105°01′25″	W234	ATVIM	N33°56′54″ E117°12′18″	W127
ATVOM	N45°27′28″ E126°15′19″	V85	AVBEP	N22°54′55″ E116°01′20″	R200
AVBER	N37°17′00″ E114°48′51″	B458	AVBIK	N36°31′11″ E120°33′38″	W172
AVBOX	N38°38′52″ E116°22′41″	W157	AVBUD	N37°06′54″ E102°18′56″	W191
AVDIP	N28°29′11″ E115°38′07″	W19 W226	AVDOK	N23°05′41″ E111°16′47″	GYA03 V145
AVGOM	N30°00′43″ E121°08′12″	W502	AVGUT	N28°25′40″ E113°30′27″	W607 W613
AVKES	N37°33′30″ E112°29′57″	G212 W175	AVKOK	N28°22′40″ E111°58′33″	W194 W617
AVKUX	N25°46′36″ E119°34′25″	W643	AVLAP	N40°16′33″ E116°10′38″	W47 W64
AVLEN	N31°14′40″ E114°31′37″	W37 W675	AVLIM	N42°06′01″ E091°46′09″	W192
AVLIS	N37°29′48″ E115°09′13″	W62	AVLOG	N31°59′00″ E117°17′27″	V64 W127

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AVLOK	N35°27′37″ E120°32′37″	B221 W650	AVLUV	N38°06′37″ E115°34′01″	W56 W562
AVMAD	N28°03′17″ E113°42′14″	W615	AVMAM	N25°56′33″ E119°39′53″	W122
AVMOS	N41°14′32″ E116°31′24″	B339	AVMUT	N43°38′45″ E124°55′02″	W653 W660
AVNEL	N27°29′50″ E111°48′39″	R343 W618	AVNOD	N33°07′46″ E115°33′26″	V104 W596
AVNOT	N39°19′57″ E107°43′53″	W220	AVPAM	N23°12′30″ E111°49′36″	A599 B330 V21 V25 V144
AVPEP	N34°50′34″ E117°47′45″	A593 W662	BASOV	N37°27′24″ E118°13′00″	W4
BATUS	N43°07′33″ E095°05′11″	W188	BAXOD	N40°37′25″ E111°55′46″	B208 W69
BEBAN	N38°24′25″ E119°59′00″	Used by ATC	BEBEM	N22°57′00″ E116°21′38″	A470 R200
BEBEP	N42°12′38″ E084°00′05″	B215	BEGMO	N28°00′00″ E121°50′00″	M503 W13 W117
BEGRI	N40°06′30″ E114°30′00″	Used by ATC	BEGUK	N30°23′15″ E106°56′02″	B213 W30
BEKDO	N38°15′33″ E116°14′39″	W57 W61 W157	BEKOL	N22°32′36″ E114°08′00″	A461
BELAX	N38°43′12″ E115°31′35″	G212 W640	BELIP	N37°59′15″ E105°22′11″	B215
BEMAG	N26°01′04″ E114°00′03″	R473 V5	BENBI	N31°48′57″ E114°20′43″	W56 W118 W671
BEPGU	N43°42′18″ E125°55′40″	W653 W657	BESMI	N35°46′33″ E104°09′07″	B330 V115
BEVNU	N30°31′29″ E105°34′17″	W80	BEVTA	N38°01′19″ E089°43′05″	L888
BIDIB	N41°24′24″ E124°09′48″	A345 A575 A588 W512	BIDRU	N22°43′06″ E100°57′54″	A581 L888
BIGBU	N38°41′03″ E123°53′22″	B332	BIGOR	N30°16′50″ E100°00′00″	L888 W9 W260
BIGRO	N21°34′12″ E111°49′36″	G221 R200 V20 W552	BIGVI	N26°22′23″ E109°38′37″	W102

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BIKNO	N40°54′54″ E093°50′53″	G470 W620	BIKOB	N45°25′33″ E125°36′29″	W626
BIKUT	N40°30′25″ E113°59′32″	B458 W69	BILDA	N39°45′13″ E097°32′35″	W112 W619
BIMEG	N39°20′00″ E117°54′00″	V9 V48	BINUS	N23°50′28″ E117°24′14″	W597
BIPIM	N32°33′56″ E116°10′57″	B208	BIPIP	N27°11′57″ E106°22′31″	A581 W179
BIPOM	N39°48′26″ E098°57′39″	V67	BIPOP	N23°20′58″ E111°08′55″	A599
BIRIR	N28°27′11″ E115°23′42″	W226 W530 W531	BISAL	N37°06′02″ E112°13′37″	V90 W175
BISUN	N43°14′00″ E131°11′48″	B451	BIVAT	N36°39′50″ E111°57′10″	W175 W210
BIVAV	N28°12′24″ E111°58′01″	W138 W611	BIVEX	N43°34′08″ E086°29′33″	W119
BIVIP	N31°07′44″ E115°16′49″	R343	BIXEG	N44°23′02″ E126°06′02″	W656 W660
BODUV	N28°39′10″ E109°39′45″	A581 W102	BOKAT	N22°02′16″ E113°00′00″	R200
BOKIR	N31°46′04″ E104°20′59″	W179	BOKIV	N39°41′36″ E097°33′10″	W619
BOKIX	N30°46′49″ E107°01′02″	W180	BOLEX	N31°00′00″ E123°00′00″	B591 G327
BONGI	N31°00′00″ E122°38′53″	G327	BONLU	N38°35′41″ E114°31′10″	B215 B458
BONPI	N30°44′30″ E106°01′29″	W231	BONSA	N28°14′25″ E106°56′47″	W91 W180
BOPTU	N28°34′34″ E104°02′41″	G212 W162	BOTPU	N39°59′07″ E115°28′30″	W47
BOVMA	N23°49′15″ E114°16′58″	W41 W533	BUBDA	N25°52′06″ E113°27′49″	A461 W56
BUBDI	N46°29′56″ E126°27′11″	A588 V81 W628	BUBLO	N38°38′51″ E120°35′10″	W576
BUBSU	N24°59′35″ E100°14′10″	W146 W162	BUGPA	N37°34′57″ E119°32′00″	W4

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名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route	名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route
BUKPU	N36°56′13″ E103°17′02″	W197 W198 W622	BUMDU	N40°42′50″ E117°16′55″	G212 W47 W64
BUNTA	N16°50′00″ E109°23′42″	A1 G221	BUPDU	N25°32′14″ E119°17′25″	W643 W645
BUPMI	N31°25′18″ E105°17′23″	G212	BUTET	N43°40′52″ E124°17′49″	G341 W653 W654
BUTPO	N41°50′09″ E112°54′15″	W561 W634	BUVMA	N38°06′47″ E116°22′43″	W157 W562
BUVUR	N30°33′51″ E104°43′18″	B330 W80	CC401	N43°44′08″ E124°26′49″	W654
CC411	N44°02′43″ E125°33′05″	W660	CC451	N43°37′13″ E124°29′29″	W653
CC452	N43°46′31″ E125°07′17″	W654 W660	CC454	N42°56′02″ E125°10′28″	W658
CC455	N42°54′50″ E125°22′01″	W657	CC512	N44°13′02″ E125°49′44″	W655 W660
CC518	N43°40′17″ E125°22′36″	W653	CC564	N43°33′24″ E125°36′45″	W658
DABER	N24°08′34″ E116°51′44″	W155 W598	DABUB	N19°31′11″ E109°11′36″	A202 V41
DADAT	N30°27′00″ E121°14′48″	G204 W15	DADGA	N36°21′22″ E115°01′40″	B458 W37
DADOL	N26°30′03″ E103°17′39″	W144 W149	DAGMO	N27°26′09″ E119°33′22″	A470
DAKOR	N29°30′30″ E109°37′48″	W102	DAKPA	N44°01′48″ E091°25′21″	W188 W189
DALEP	N28°18′21″ E114°22′22″	W226 W609	DALIM	N36°25′04″ E117°12′47″	A593 W142 W157
DALNU	N33°48′45″ E118°10′04″	A470 W166	DALUP	N38°09′10″ E114°48′05″	W623
DAMEG	N31°06′35″ E115°13′10″	R343	DAPRO	N29°15′28″ E113°38′21″	A461
DELEG	N30°11′58″ E109°36′14″	W80 W102	DOBGA	N38°24′47″ E121°27′31″	A326 V68 W8 W202 W574
DOBSO	N31°01′45″ E098°39′41″	B213	DOBVI	N19°18′56″ E110°00′34″	W222 W528

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DOGAR	N39°09′46″ E116°47′07″	Used by ATC	DOGVI	N31°49′14″ E118°57′50″	A470 V11 W135 W545
DOLGU	N30°25′55″ E098°11′34″	W9	DOMGO	N20°30′00″ E110°50′24″	W605
DOMVA	N37°21′55″ E106°45′04″	W215	DONDA	N14°42′12″ E112°01′18″	M771
DONEN	N25°02′42″ E100°17′00″	L888	DONVO	N37°34′00″ E123°20′00″	A326 G597
DOPKU	N24°34′15″ E114°55′16″	G471 W41	DOPNI	N28°39′33″ E111°10′19″	W138
DOPNO	N35°00′00″ E123°24′19″	A326	DOSKU	N36°05′04″ E114°43′18″	V54 W56
DOSTA	N18°29′24″ E109°36′50″	W222	DOSUT	N17°02′00″ E113°40′48″	M771
DOTMI	N22°43′06″ E116°10′06″	A470 V35	DOTRA	N40°45′26″ E116°48′07″	B334
DOVIV	N38°06′40″ E119°31′57″	V89 W55 W200	DOVOP	N34°45′26″ E108°42′30″	W540 W541
DOVPU	N25°15′50″ E118°58′18″	W643	DOVSU	N37°29′20″ E115°34′16″	V80
DOXAB	N38°17′28″ E116°37′30″	W40	DOXED	N38°56′55″ E107°27′14″	W217
DUBAG	N34°51′46″ E113°43′46″	B208 V33 W595	DUBAM	N44°57′32″ E125°50′20″	W630
DUBAS	N30°48′38″ E114°17′24″	R343 W37	DUBGO	N29°51′19″ E119°39′53″	A470 W133 W134 W503 W508
DUBID	N32°10′30″ E107°46′11″	W30	DUBIK	N45°02′01″ E125°15′17″	W625
DUBIX	N38°19′40″ E115°12′20″	Used by ATC	DUBNA	N29°32′10″ E112°18′32″	V107
DUBUB	N39°59′08″ E112°04′52″	B208	DUBUV	N43°48′15″ E089°31′01″	B215
DUBVU	N29°32′40″ E118°39′48″	V76	DUDBI	N33°12′21″ E114°42′56″	W37 W128 W639
DUDIL	N40°38′38″ E110°27′38″	W69 W72 W101	DUDIT	N23°49′15″ E108°09′42″	A599 W181

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DUDUR	N43°42′02″ E090°37′52″	W99	DUGEB	N38°39′43″ E115°48′14″	W56
DUKAG	N43°47′17″ E125°21′06″	W654 W659	DUKIR	N44°31′56″ E125°53′51″	W630 W655
DULEX	N43°56′19″ E122°55′41″	A345 G212	DUMAM	N43°57′56″ E088°48′42″	B215
DUMAP	N38°35′29″ E118°01′45″	W55	DUMET	N31°21′39″ E122°46′30″	A593 W108 W114
DUMIN	N38°10′00″ E092°30′00″	W192 Y1	DUMIX	N29°14′00″ E092°35′10″	W9 W261 W526
EGANA	N40°31′40″ E112°10′01″	W559	EGEBI	N36°47′33″ E112°56′12″	B208 V93
EGEDA	N25°20′54″ E115°06′42″	G471	EGEKI	N29°30′30″ E119°32′25″	W135
EGEMU	N17°00′00″ E112°17′00″	L642	EGILO	N40°38′48″ E109°59′02″	W69 W193
EKADI	N27°34′36″ E107°12′44″	A581	EKADO	N45°06′05″ E125°11′12″	G212
EKETA	N37°52′29″ E112°35′21″	B208 B215	EKIMU	N31°21′06″ E121°06′36″	R343
EKOKA	N30°38′51″ E105°21′55″	W231	EKORO	N36°25′20″ E115°03′58″	W4 W37
EKULI	N38°32′38″ E121°12′57″	W5 W576 W578	EKVOK	N41°49′24″ E124°06′36″	A345 W89
EKVUT	N31°45′25″ E122°18′37″	B221 V3	ELAGO	N30°48′00″ E122°11′00″	B221 V72
ELAPU	N40°12′33″ E115°30′10″	W64	ELASU	N23°59′13″ E101°47′22″	A581 W147
ELBAV	N26°17′38″ E107°02′49″	W180 W181	ELDUD	N29°18′35″ E104°36′01″	W232
ELDUT	N36°42′35″ E115°14′01″	W37	ELGIT	N24°24′06″ E118°00′18″	W597
ELKAL	N26°05′48″ E108°23′50″	B330 W179	ELKUR	N38°38′23″ E116°39′54″	W40 W98
ELNEX	N29°37′54″ E119°29′24″	A599 G204 W134	ELNUN	N29°53′44″ E093°56′27″	W9 W16 W510

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ELPAN	N34°58′33″ E104°11′29″	B330	ELPUN	N46°18′26″ E121°04′18″	A345
ELRER	N27°30′35″ E115°33′07″	W19	EMRAL	N29°06′00″ E115°50′00″	W105 W530
EMRID	N29°32′56″ E119°38′55″	A470 V143 W135	EMSAN	N31°40′43″ E122°46′30″	G455
EMSOV	N29°59′01″ E107°21′55″	B213	EMVEM	N41°16′32″ E113°30′52″	B458
EMVIG	N45°05′54″ E125°38′33″	W625 W630	EMVIL	N32°13′05″ E109°46′39″	W102
EMVUT	N25°25′44″ E110°22′44″	R343	ENBOP	N39°06′47″ E107°19′39″	W220
ENKUS	N24°40′39″ E109°49′13″	R343	ENLAB	N32°22′59″ E114°38′12″	W37
ENLIL	N28°19′00″ E106°41′36″	W3	ENPAT	N29°35′14″ E095°35′09″	W260 W262 Y3
ENPEN	N43°48′40″ E125°48′03″	W654 W655 W658	ENSIX	N19°44′54″ E108°10′54″	W169
ENSOX	N30°23′22″ E109°36′32″	B213 W102	ENTUD	N38°19′28″ E114°49′52″	Used by ATC
ENVAV	N38°46′33″ E118°22′40″	W36 W97 W243	ENVEN	N25°20′30″ E118°55′06″	A470 V55
ENVIP	N24°19′07″ E113°42′38″	V5	ENVIS	N30°13′31″ E100°43′28″	W9
EPDAG	N43°17′37″ E086°12′08″	B215	EPGAL	N28°26′46″ E109°08′44″	A581
EPGAM	N37°15′13″ E116°54′02″	A593	EPGOS	N32°58′31″ E115°26′28″	W128 W594
EPKAL	N17°51′30″ E112°57′18″	L642	ERVEB	N43°06′44″ E114°51′50″	B339
ERVOP	N29°32′33″ E119°22′35″	A599	ESBAG	N31°37′13″ E119°40′23″	R343 W545 W581
ESBAM	N26°56′18″ E107°46′38″	W584	ESBID	N43°22′24″ E090°32′05″	G470
ESBIX	N28°05′00″ E113°23′18″	W46 W521	ESDEX	N41°37′45″ E091°51′08″	V116 W191 W192

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ESDOS	N31°43′18″ E114°28′03″	A461	ESGIG	N35°37′55″ E106°26′14″	W93
ESGIV	N44°07′09″ E091°02′11″	W188	ESKAM	N30°32′34″ E114°11′52″	V106 W80
ESMEB	N32°15′24″ E114°21′31″	W56	ESMEP	N43°32′00″ E112°01′31″	A575
ESMEX	N37°10′47″ E102°02′19″	W191	ESMOL	N30°32′29″ E105°43′41″	W80
ESNIB	N26°14′03″ E107°52′47″	B330	ESNUK	N40°54′57″ E113°06′26″	W65
ESPEG	N30°58′04″ E106°00′32″	B213	EXORI	N37°37′24″ E112°39′40″	B208 G212
EXOTO	N15°21′30″ E111°03′00″	L642	EXUMI	N38°04′58″ E113°04′53″	V93
EXURI	N26°35′00″ E111°10′24″	R343 V87	EXURU	N42°16′26″ E082°11′57″	A460 W119
GIVIV	N20°57′14″ E111°03′19″	G221 R339 W605	GOBIN	N41°29′58″ E102°48′27″	B330 W66
GOBOK	N43°20′45″ E084°21′53″	A343 W119	GODON	N37°46′27″ E112°21′06″	B215 W43 W87
GODUL	N24°55′29″ E102°52′27″	A599 W225	GOKEB	N32°04′30″ E108°24′20″	W4
GOLAL	N36°45′52″ E117°05′06″	A593	GOLOT	N40°12′30″ E124°30′30″	A345 A575
GOMON	N30°05′49″ E094°58′29″	W9 W260 W261	GOPTO	N49°05′30″ E087°28′00″	B206
GORMU	N24°52′35″ E118°09′05″	V55	GORPI	N33°40′07″ E121°24′22″	B221 W113
GOSMA	N29°21′14″ E113°14′30″	R343 W82 W83	GOSRO	N31°33′24″ E119°13′20″	W135 W546
GOTBO	N38°24′18″ E106°39′30″	W217	GOTSU	N38°30′58″ E120°16′01″	W201 W575
GOTVA	N37°21′23″ E117°09′54″	V31	GOVNI	N30°21′16″ E121°23′40″	B221 V140 W502
GOVSA	N41°52′16″ E096°14′32″	W66 W188	GUBLO	N22°42′36″ E114°02′05″	R200 V17 W21 W22 W509

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GUDRO	N29°17′01″ E113°32′17″	W56	GUGAM	N30°12′59″ E113°11′08″	A581 V106 W156 W674 W676
GUINS	N37°32′34″ E111°45′02″	W43	GUKEX	N30°09′13″ E109°25′51″	W80
GUKNA	N35°27′40″ E114°17′15″	V54	GUKVO	N29°35′42″ E111°19′20″	V88
GULEK	N36°33′23″ E115°24′15″	W4	GULOT	N24°37′24″ E101°33′51″	A599 W146 W632
GULUN	N19°09′46″ E109°43′34″	G221 W527	GUMAL	N30°02′07″ E119°46′25″	W132 W503 W504
GUMED	N38°01′00″ E120°34′20″	V42 W5 W588	GUMOD	N41°28′12″ E123°13′39″	V57 W600
GUPKU	N32°49′40″ E109°02′05″	W4	GUPUL	N43°27′12″ E125°32′21″	W658 W659
GURET	N31°14′00″ E105°21′26″	W233	GURIL	N34°35′31″ E118°53′11″	Used by ATC
GURIN	N21°51′04″ E113°00′00″	W552	GUSEV	N35°58′24″ E121°41′49″	V112
GUSIR	N37°12′24″ E117°02′30″	W4 W40	GUSIV	N29°14′07″ E113°44′26″	V52 W37
GUTGO	N28°13′59″ E115°08′57″	W227 W530	GUTOV	N33°35′32″ E114°45′13″	B208 W37
GUTRU	N36°29′38″ E109°10′46″	W43 W47	GUTUS	N34°01′52″ E114°38′13″	V113 W596
GUTVI	N29°53′53″ E107°41′30″	B213 W168	GUTVO	N36°49′01″ E119°47′08″	V89
GUVBA	N40°26′00″ E115°31′50″	W69	GUVRI	N38°29′52″ E115°42′00″	W56 W85
GUXEN	N45°50′56″ E126°30′57″	V81 V82	GUXUV	N32°11′18″ E116°43′42″	B208 V39 W570
HA310	N29°06′42″ E113°43′50″	Used by ATC	HA350	N29°06′56″ E113°32′24″	Used by ATC
IBANO	N40°18′21″ E094°52′00″	B215 G470 W187	IBARO	N39°59′21″ E111°50′18″	W47 W84
IBEGI	N31°49′25″ E122°16′33″	B221	IBUDO	N35°16′51″ E111°07′42″	W175 W664

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IBVUL	N30°17′56″ E096°00′30″	W9 W12 W262	IDAXI	N26°44′32″ E113°47′09″	R473 W615
IDBIN	N29°41′50″ E118°42′18″	G204	IDBON	N29°40′24″ E091°19′30″	W522
IDBOR	N29°20′03″ E104°51′27″	B330 W237	IDEPO	N25°42′55″ E107°40′44″	W181
IDGAG	N30°34′38″ E113°49′57″	A581 W80 W685	IDGIS	N38°45′32″ E114°58′40″	B215
IDGOB	N37°24′21″ E106°59′05″	W216	IDIMO	N45°19′07″ E126°27′24″	V85
IDKEX	N40°46′40″ E116°34′00″	B339	IDKOT	N33°51′16″ E118°46′03″	W177 W178
IDLAL	N43°08′54″ E092°35′07″	W99	IDLUS	N17°39′41″ E108°39′04″	W169
IDMOL	N42°41′30″ E081°44′21″	A460	IDMUV	N26°04′58″ E119°44′49″	W644
IDNIK	N30°26′00″ E121°29′54″	V140 V141	IDNUS	N30°23′47″ E109°39′24″	B213
IDOPU	N43°26′23″ E091°31′46″	W99 W189	IDPOG	N30°38′18″ E113°56′35″	A581 W56
IDPUG	N24°40′08″ E102°34′06″	W146 W147 W225	IDRUB	N39°09′51″ E114°22′29″	B458
IDSEG	N27°40′50″ E105°41′10″	B330	IDSID	N27°37′47″ E105°06′40″	W30 W91 W145
IDSOT	N39°13′27″ E109°29′59″	W47 W48	IDULA	N34°18′04″ E114°42′53″	A461
IDUMA	N22°53′47″ E113°57′06″	A461 W22 W41 W68 W501	IDUPU	N19°09′47″ E109°56′10″	W222 W527
IDVEL	N35°22′51″ E120°34′55″	B221	IDVEM	N32°51′36″ E104°17′42″	W179
IDVOT	N43°37′24″ E127°17′00″	G341	IDVUK	N34°13′56″ E113°26′35″	W638
IGADA	N34°08′20″ E110°27′16″	W4	IGADO	N45°57′48″ E127°24′44″	G212 V82 V83
IGAGA	N23°09′52″ E114°27′13″	V17	IGBIS	N43°44′16″ E087°07′41″	B215

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IGDAG	N30°03′57″ E092°34′38″	W510 W522	IGDAS	N26°01′37″ E104°27′18″	W137
IGDEG	N38°00′22″ E120°48′18″	W172 W173 W587	IGDEN	N30°55′56″ E114°39′39″	W689
IGDID	N37°48′37″ E115°20′24″	W62	IGDON	N39°28′01″ E097°02′00″	B215
IGDOS	N45°43′37″ E125°33′35″	W627	IGDUL	N30°07′00″ E108°33′42″	B213
IGDUT	N43°44′37″ E129°07′06″	B451	IGEDU	N30°40′37″ E111°57′45″	B213 W45
IGEKA	N27°26′53″ E103°15′24″	G212	IGELA	N30°23′08″ E093°35′59″	B213 W522
IGITA	N30°21′15″ E109°27′45″	B213	IGIVI	N23°26′24″ E110°43′15″	A599 GYA03 V145
IGIVU	N41°30′18″ E118°45′56″	A575	IGLEX	N32°18′19″ E106°40′28″	G212 W242
IGMES	N38°04′48″ E115°34′05″	W56 W624	IGMIG	N33°17′14″ E114°27′15″	W56 W128
IGMOR	N38°49′51″ E118°01′54″	W36 W244	IGMUD	N38°06′57″ E115°53′13″	W37 W562
IGNAK	N29°16′19″ E104°15′43″	W144 W179	IGNEG	N28°19′30″ E113°43′29″	W37 W609
IGNIK	N30°14′42″ E113°59′03″	W37 W672	IGNOL	N32°37′44″ E107°39′13″	W81
IGONO	N23°57′57″ E114°03′53″	W44	IGPAR	N29°29′24″ E110°08′28″	W139
IGPAS	N41°27′36″ E112°43′08″	G218	IGPET	N40°05′09″ E112°10′54″	W47 W559
IGPIL	N35°41′23″ E113°32′28″	V105	IGPOX	N35°09′17″ E120°56′45″	W108
IGPUP	N44°34′43″ E124°21′03″	W204	IGRAT	N30°43′00″ E119°48′21″	A470
IGREL	N31°52′20″ E106°29′11″	W233	IGRID	N24°33′10″ E103°11′08″	W148
IGUNI	N29°07′32″ E104°57′46″	B330	IKADI	N34°05′30″ E123°29′00″	A326 W113

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IKAGA	N39°43′10″ E097°17′07″	W112	IKARA	N44°43′20″ E086°59′34″	A368
IKARU	N48°57′19″ E117°08′59″	G338 W606	IKATA	N23°45′54″ E117°08′10″	A470 W597
IKAVO	N24°23′13″ E113°02′57″	W45	IKEKA	N36°49′53″ E123°21′15″	A326 A591 V112 W4
IKELA	N18°39′42″ E112°14′42″	A1	IKITI	N45°54′54″ E121°14′06″	A345 W27
IKUBA	N30°51′20″ E115°54′03″	V65 V106 W50	IKUBI	N29°19′36″ E090°11′34″	B345
IKULI	N22°58′24″ E111°34′53″	R474	INTIK	N43°40′48″ E111°54′06″	A575 W32
INTIV	N38°28′29″ E120°31′11″	W575	IPLEV	N39°18′51″ E114°20′10″	B458 W45
IPLOL	N30°08′22″ E104°24′36″	W179 W237	IPMIN	N35°57′33″ E120°29′27″	W172
IPMUG	N28°10′35″ E112°13′08″	V107 W226 W611 W617	IPMUN	N42°31′06″ E091°41′39″	W189
IPNAG	N28°23′44″ E103°37′55″	W162	IPNON	N39°04′28″ E109°27′46″	W47
IPRAG	N31°17′49″ E122°26′28″	A593 W13	IRNOL	N27°09′12″ E115°24′32″	W19
IRPEP	N43°40′37″ E090°04′48″	B215 G470	IRSAS	N27°59′38″ E111°31′49″	W45 W226 W611
IRSUM	N36°01′37″ E104°39′51″	W214	IRTAT	N24°22′49″ E113°43′15″	V5
IRTOL	N36°46′42″ E096°03′36″	Y1	IRVAG	N40°32′07″ E111°51′02″	W560
IRVED	N27°43′53″ E105°51′17″	W179	ISBAM	N40°12′33″ E112°01′34″	B208
ISBEB	N40°30′53″ E083°55′54″	W186	ISBIG	N20°38′39″ E110°54′30″	A202 W605
ISBOP	N44°28′28″ E126°00′11″	A588	ISBOS	N41°31′59″ E106°05′56″	W28
ISDUM	N30°45′13″ E104°08′07″	Used by ATC	ISGAP	N39°19′51″ E120°00′08″	W201

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ISGEG	N21°13′00″ E108°18′18″	W169	ISKEM	N40°49′57″ E123°45′01″	A588 V59
ISLEP	N37°57′07″ E113°29′29″	G212	ISLOM	N23°17′24″ E114°01′13″	G471 W41
ISLUK	N44°30′22″ E126°07′39″	W629 W656	ISMAB	N30°55′54″ E106°09′42″	B213
ISMED	N28°05′31″ E113°27′09″	W46 W56	ISMUL	N28°28′12″ E089°36′12″	Y3
ISNEB	N32°50′47″ E116°10′30″	V78 V104	ISNIR	N29°30′01″ E118°54′37″	W132
ISPUR	N30°14′55″ E121°56′01″	V72	IVPIP	N34°49′13″ E123°25′14″	A326
IVPUV	N41°56′50″ E124°29′43″	W89 W603	IVRUG	N31°04′26″ E098°06′55″	B213
IVSOL	N30°21′08″ E106°58′18″	B213 W4	IVTEV	N37°45′25″ E106°30′26″	W215
KABDO	N43°32′36″ E086°42′58″	B215 W119	KABNO	N27°30′32″ E104°34′12″	W145
KADKI	N32°57′19″ E098°25′15″	L888	KADSA	N30°30′39″ E094°11′53″	B213 W16
KADUG	N24°44′56″ E117°59′54″	V55	KAGAK	N49°16′00″ E118°06′00″	A345 G338 W538
KAGRA	N26°27′24″ E107°02′26″	B330 W180	KAGSO	N40°51′53″ E084°29′06″	L888
KAGUK	N17°40′11″ E109°09′54″	G221 W169	KAGVO	N32°42′46″ E117°15′31″	W127
KAKAT	N42°11′00″ E118°15′18″	B334 W28 W31 W86	KAKIS	N30°29′00″ E120°08′48″	A599 W135
KAKMI	N28°41′04″ E104°17′39″	W144 W162	KAKSU	N30°28′18″ E111°29′07″	W80 W246
KALMU	N29°20′27″ E111°34′47″	W141 W246	KAMAX	N30°46′58″ E101°54′10″	B213 W17
KAMDA	N33°21′57″ E114°12′13″	V109 W128 W129 W638	KAMOM	N37°23′28″ E117°15′17″	V30
KAMUD	N41°34′00″ E078°50′00″	A468 W186	KANPI	N39°06′14″ E080°04′08″	W187

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KANVU	N43°23′39″ E129°03′55″	G341 W39	KAPGU	N34°11′26″ E119°02′42″	W529
KARPI	N38°15′00″ E120°43′02″	V44 W5 W578	KARVI	N40°06′09″ E094°41′33″	W187 W191
KARVU	N36°46′37″ E114°43′55″	W62	KASKA	N28°41′57″ E123°41′39″	B591
KASTI	N40°00′00″ E105°30′00″	A596	KATBO	N23°21′36″ E105°17′30″	R471
KETOV	N45°01′46″ E127°10′37″	B451 V84 V85	KEVAR	N22°37′30″ E113°48′36″	W501 W509
KEVOB	N41°23′15″ E105°37′05″	W28	KEXAB	N43°33′28″ E089°23′35″	W192
KIBAS	N22°08′18″ E113°14′30″	R200	KIBIP	N38°53′43″ E109°25′07″	W47
KIDIV	N38°37′14″ E092°24′06″	W192	KIGUM	N30°13′23″ E108°55′38″	B213 W240
KIKEG	N31°36′52″ E117°03′03″	W50 W570	KILUD	N34°10′20″ E114°48′34″	V104 W37
LADIX	N39°07′46″ E116°59′32″	B339 V15 V31 W34	LADUP	N30°36′31″ E103°01′00″	W9
LAGAL	N33°28′02″ E118°42′20″	A593 W178 W525	LAGEX	N26°25′48″ E109°01′35″	G586 W182
LAMEN	N31°36′36″ E124°00′00″	A593 G327 G455	LAMIM	N25°12′16″ E118°32′49″	V55
LANDA	N21°36′47″ E113°02′43″	W130	LAPEN	N29°35′47″ E115°38′12″	W105
LAPUG	N22°59′41″ E117°22′50″	M503 R200	LAROP	N35°43′54″ E120°36′56″	W172
LARUN	N44°36′29″ E126°09′01″	W629	LASAN	N31°00′00″ E122°25′28″	G327 W13 W114
LATOP	N22°16′54″ E113°38′36″	W6	LATUX	N35°29′00″ E120°47′00″	V112 W108 W172 W209 W650
LAVOM	N39°14′54″ E108°50′08″	W48	LAXAG	N42°12′23″ E111°18′11″	B208 W28
LAXAT	N30°35′27″ E104°14′36″	B213 G212	LAXEV	N37°30′17″ E101°41′08″	B215

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LAXIB	N40°23′57″ E111°53′49″	W64 W560	LEBAK	N36°00′00″ E093°15′30″	L888
LEBIK	N31°58′59″ E118°02′33″	V64 V65	LEBOM	N37°51′30″ E111°30′00″	B215 V90 W104
LEBUN	N37°47′53″ E115°35′20″	W56 W57	LEDEM	N39°35′19″ E079°13′27″	B215
LEDIM	N30°19′00″ E094°07′00″	W16	LEDOV	N36°46′30″ E117°22′06″	W568
LEGAG	N44°52′15″ E124°55′40″	W204 W625	LEGIV	N31°36′30″ E117°34′30″	W51 W164 W165
LEKEP	N31°27′25″ E083°04′15″	Used by ATC	LEKUB	N35°31′21″ E114°15′00″	V33
LEKUV	N26°55′13″ E116°12′37″	A599	LELIM	N22°56′21″ E117°18′42″	M503
LELOG	N42°57′59″ E120°29′20″	B334	LELUX	N37°26′15″ E102°02′07″	B215
LEMOT	N42°49′29″ E125°11′01″	A588 W602 W603 W657 W658	LENAD	N23°28′20″ E111°27′40″	V144
LENKO	N17°24′57″ E110°18′00″	A1 W171	LENPO	N34°01′57″ E114°54′39″	V104 V114
LEPMI	N28°20′30″ E115°16′13″	W46 W530	LESVI	N40°07′14″ E080°10′17″	B215 W119
LEVBA	N27°56′56″ E100°00′00″	L888	LEVGI	N37°12′51″ E104°36′39″	W211
LEVGU	N27°00′00″ E119°44′03″	W644	LEVTO	N28°56′58″ E105°03′06″	B330
LIDLU	N20°30′00″ E109°43′00″	W70	LIDMA	N26°56′00″ E107°00′59″	W180 W182
LIKMI	N42°23′18″ E095°45′59″	W188	LIKRI	N26°49′03″ E107°01′19″	W180 W584
LIKTI	N37°57′44″ E115°26′16″	W623	LILMO	N36°40′47″ E123°35′31″	W209
LIMDO	N41°38′33″ E080°59′36″	A468 W119	LIMGI	N34°25′48″ E111°02′00″	W4 W175
LINSO	N23°22′30″ E098°55′00″	A599	LIPNO	N23°46′35″ E112°58′49″	W24

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LOSTA	N31°37′27″ E106°23′45″	W81	LOTGO	N38°32′02″ E120°09′32″	W36 W575
LOVKA	N41°34′58″ E123°14′02″	W599	LOVRA	N35°50′45″ E109°08′23″	W47 W540
LOVTA	N21°44′53″ E112°34′13″	W552	LOVTI	N37°43′05″ E115°49′25″	W37 W623
LUDVU	N35°09′01″ E123°24′04″	A326	LUGVU	N40°35′49″ E112°43′50″	W69 W635
LULTA	N39°58′24″ E117°12′51″	V9	LUMKO	N28°28′52″ E113°34′55″	A461 W607
LUMKU	N42°00′09″ E125°12′43″	W604	LUMLU	N28°23′54″ E113°28′28″	W56 W608
LUNSU	N40°23′10″ E112°28′21″	W64	LUPMI	N29°26′15″ E092°59′55″	W9
LUPRO	N42°53′21″ E090°53′37″	V116 W192	LUPSA	N36°51′21″ E120°28′15″	W652
LUPVI	N31°38′42″ E119°08′38″	R343 W135	LUPVU	N24°02′28″ E113°08′34″	W45
LURMA	N30°58′30″ E120°44′55″	A599 V77	LUSMA	N37°00′00″ E095°30′00″	Y1
LUVAR	N32°36′06″ E099°00′00″	L888 Y2	LUVEN	N29°23′23″ E104°02′00″	G212
LUVES	N38°08′46″ E108°18′24″	B215	LUVKO	N37°49′03″ E105°31′37″	W219
LUVMO	N44°42′49″ E124°12′50″	W203	LUXUK	N41°51′54″ E124°46′08″	W604
MABAG	N24°18′48″ E114°30′24″	Used by ATC	MABEB	N35°26′27″ E119°44′39″	Used by ATC
MABOS	N31°55′59″ E118°39′34″	V142 W73 W543	MADUK	N31°43′05″ E118°06′16″	R343 W51 W73
MAGBI	N44°04′46″ E126°02′00″	W206 W656	MAGIT	N47°41′31″ E131°09′00″	R213
MAGIV	N38°34′42″ E077°29′57″	B215 W176 W187	MAGLI	N31°59′00″ E117°00′47″	B208 V64
MAGOD	N38°41′00″ E090°42′06″	Y1	MAGOG	N22°17′18″ E115°49′24″	A470

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MAKIP	N39°16′15″ E108°06′11″	W48	MAKLA	N28°02′07″ E109°41′08″	W102
MAKNO	N38°27′48″ E121°08′54″	A326 W5 W106 W173	MAKUL	N24°07′19″ E100°33′21″	A599 L888
MAKVI	N32°04′04″ E106°56′58″	W81	MAMSI	N25°12′17″ E110°12′44″	B330 G586 R343 V147
MANLI	N49°35′00″ E117°27′00″	A345 W539	MAPMU	N37°02′41″ E110°38′16″	V91
MASGU	N24°52′13″ E114°38′36″	W19	MASRO	N26°37′59″ E107°08′34″	W179
MATNU	N31°39′36″ E122°38′00″	G455 V3 W108 W115	MAVMI	N41°42′16″ E116°51′06″	B334
MAVRA	N27°58′11″ E106°07′52″	W91	MEBNA	N26°10′49″ E103°38′59″	W30
MEGOB	N30°33′03″ E113°09′05″	W80	MEGUS	N40°15′06″ E113°38′44″	W96
MEKEP	N29°28′17″ E106°52′57″	W180 W238	MEMAG	N27°28′30″ E106°59′14″	A581 W180
MENOD	N43°38′18″ E085°50′30″	W119	MEPAN	N24°06′13″ E105°42′09″	A599
MEPEP	N36°09′06″ E097°38′00″	Y1 Y2	MEPER	N28°46′40″ E105°08′15″	B330
MEVUL	N26°20′36″ E106°09′38″	V86	MEXAD	N31°46′48″ E104°38′18″	B330
MEXON	N27°15′00″ E113°30′25″	A461 W616	MEXOS	N35°40′00″ E112°04′06″	W210
MEXUP	N34°00′37″ E118°05′45″	A470 W125	MIBAG	N46°00′07″ E125°26′55″	W627 W628
MIDOX	N31°19′20″ E115°52′52″	R343	MIGOL	N30°45′46″ E123°41′39″	A326 B591
MIGUG	N15°16′24″ E114°00′00″	N892	MIKIP	N24°20′56″ E113°25′13″	A461
MILOM	N33°42′03″ E114°02′42″	W128 W594	MILOP	N28°08′06″ E112°57′18″	W226 W610
MIMAR	N43°20′42″ E091°29′06″	Used by ATC	MIMOK	N38°12′01″ E107°45′00″	B215

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MIPAG	N22°55′18″ E113°44′30″	W21	MOLGU	N29°51′00″ E119°58′00″	W507
MOLSO	N24°25′17″ E113°25′20″	A461 G586 V147	MOMGO	N29°32′38″ E118°58′49″	W132
MONBO	N14°30′00″ E113°25′42″	N892	MOPMA	N36°27′23″ E107°02′34″	W215
MORIT	N42°02′00″ E102°49′00″	B330	MOSPA	N40°38′10″ E111°11′00″	W69
MOTOM	N24°41′24″ E109°47′38″	W2	MOVBI	N40°45′28″ E093°37′13″	W191 W621
MUBEL	N24°12′35″ E111°16′14″	B330 V144	MUBOP	N27°12′53″ E101°27′32″	W162
MUDAM	N41°01′58″ E117°26′40″	G212 G332 W52	MUDAP	N36°51′00″ E104°05′45″	B330 W211 W212
MUDEL	N30°16′14″ E103°18′06″	V69	MUDOT	N38°45′13″ E119°56′49″	W100
MUDPO	N38°44′26″ E109°40′15″	W193	MUGLO	N39°04′13″ E118°02′04″	W34 W97
MUGNU	N30°05′44″ E109°12′47″	W80	MUGUT	N39°23′03″ E114°19′05″	B458 W247
MULIV	N36°41′33″ E107°13′04″	W216	MULOB	N39°16′58″ E107°38′21″	W220
MULOR	N44°33′19″ E088°12′16″	G588 W190	MULOV	N29°36′51″ E120°14′52″	G204 V73
MULRU	N38°56′21″ E097°40′09″	W191 W619	MUMAN	N34°06′30″ E096°30′00″	L888
MUMGO	N30°48′22″ E103°01′01″	B213	MUMUN	N36°47′35″ E116°00′00″	W4 W103
NIKUK	N22°07′02″ E108°45′08″	R339	NIKUN	N27°59′23″ E106°43′08″	W3
NIMEM	N44°06′19″ E125°48′17″	W205 W655	NINAP	N30°11′55″ E092°59′54″	W522
NINAS	N31°00′00″ E122°15′00″	B221 G327	NIPIM	N27°56′52″ E112°57′52″	W227
NIRAV	N45°52′40″ E088°59′04″	B206 G588	NIRUG	N42°03′27″ E117°52′46″	B334

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NIRUV	N38°26′06″ E106°06′48″	B215 W199 W220	NITID	N37°18′51″ E111°53′51″	G212
NIVIK	N30°45′42″ E119°54′39″	W135	NIVUV	N30°39′08″ E111°28′39″	B213
NIVUX	N26°00′00″ E100°00′00″	L888	NIXAL	N43°12′42″ E110°53′00″	B208 G343
NIXAS	N26°09′25″ E102°41′25″	G212	NIXEM	N32°56′31″ E119°09′38″	A593 V49 W185 W592
NIXEP	N38°15′00″ E120°59′18″	W8 W173	NIXER	N43°36′44″ E086°04′56″	W119
NIXID	N28°03′09″ E105°34′27″	B330 W30 W234	NIXUK	N40°12′00″ E095°08′43″	B215 W621
NOBEM	N31°59′25″ E118°48′31″	V14 V64 W73 W95 W135	NOBOB	N35°49′12″ E121°24′32″	V112
NOBUP	N37°21′16″ E117°25′00″	W4 W569	NODAL	N40°02′47″ E123°10′41″	A588
NODIB	N25°47′50″ E104°03′47″	W137	NODID	N37°17′52″ E101°31′30″	W191
NODIM	N31°17′46″ E114°31′55″	W37	NOGEX	N37°49′45″ E100°55′08″	B215
NOKAK	N38°25′00″ E118°55′00″	Used by ATC	NOKET	N22°02′53″ E101°15′18″	A581
NOKUD	N36°56′28″ E120°16′32″	W651	NOKUL	N32°09′48″ E116°51′25″	W571
NOKUV	N45°14′58″ E127°06′28″	V84	NOLEP	N38°34′30″ E088°42′30″	L888 W112
NOLON	N24°06′30″ E113°56′47″	A599 R473 W90	NOMAR	N23°30′30″ E113°51′24″	W18 W19
NOMOV	N39°14′00″ E114°08′20″	W45	NOMUK	N29°01′46″ E110°43′30″	A581 W194
NONEM	N19°15′19″ E108°51′03″	A202	NONIM	N27°50′00″ E087°26′00″	B345
NONOV	N30°41′10″ E103°14′32″	W9	NONUG	N30°47′57″ E102°37′59″	B213
NOPIN	N35°26′45″ E113°28′17″	B208	NOPIR	N29°49′44″ E091°49′20″	W522

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NUBKI	N41°58′50″ E124°35′54″	A588 W89	NUDKU	N38°16′07″ E115°33′21″	W56 W61
NUDPO	N26°45′00″ E121°04′15″	M503 W121	NUKSU	N26°41′14″ E100°44′58″	W162
NUKTI	N41°51′42″ E095°11′58″	B215 V67 W66	NULRA	N43°56′59″ E125°53′18″	A588 W205 W206
NUMKU	N20°05′00″ E110°22′53″	W222 W223	NUNDU	N38°26′51″ E121°14′45″	A326 W575
NUNGA	N35°12′16″ E112°34′42″	W4 W45	NUNVO	N27°14′04″ E121°21′49″	M503
NUPNI	N34°11′25″ E102°22′04″	Y1	NUPTI	N26°55′03″ E111°25′06″	R343 W45
NUSLA	N23°24′42″ E113°30′54″	W21 W22	NUSPA	N24°03′12″ E117°37′52″	W597 W598
NUTLO	N40°23′51″ E111°58′47″	B208 W64	NUTVA	N41°17′34″ E124°00′16″	W601 W603
NUVGA	N24°13′55″ E115°26′36″	V17	NUVPU	N43°06′25″ E116°11′39″	W33 W52
OBDEG	N39°12′52″ E091°25′36″	W187	OBDIS	N38°05′52″ E122°38′58″	A326
OBDON	N30°46′26″ E114°00′51″	B213 W56	OBGAK	N25°41′02″ E119°37′43″	W645
OBKEL	N25°00′00″ E119°52′58″	M503	OBLAN	N21°48′20″ E112°48′24″	W552
OBLAP	N31°40′48″ E119°06′28″	G345 W135	OBLIK	N32°19′48″ E114°31′30″	A461 W129
OBLOV	N43°44′40″ E128°49′12″	W39	OBLUV	N28°11′51″ E113°27′36″	W56 W226
OBMEP	N33°49′20″ E114°30′16″	B208 W56	OBMIG	N32°35′20″ E104°18′29″	W179
ODISA	N35°51′52″ E107°16′49″	W213 W215	ODOPI	N24°40′25″ E115°24′30″	V17
ODULO	N33°15′09″ E121°37′14″	B221 V2	ODURI	N43°18′47″ E091°58′43″	W99
OGAVA	N26°21′47″ E100°36′15″	W162	OGEDI	N43°41′42″ E085°06′22″	W119

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OGEDO	N40°09′43″ E112°27′18″	W47	OGIPO	N38°51′06″ E121°49′31″	W574 W579
OGOVI	N34°08′39″ E114°35′34″	V114 W596	OKAKO	N27°11′19″ E108°48′18″	W183
OKALI	N36°44′03″ E118°13′00″	W103	OKATO	N27°35′06″ E121°34′38″	M503 R596 W13
OKTOX	N34°27′40″ E114°33′54″	W56 W151	OKTUG	N30°05′19″ E120°57′37″	B221 W506
OLBAS	N32°29′28″ E105°23′27″	W242	OLDAB	N38°59′39″ E107°56′37″	W218
OLDAX	N28°37′11″ E115°42′26″	W19	OLDID	N23°00′00″ E117°30′00″	R200
OLGAP	N31°04′24″ E121°09′00″	A599	OLGUT	N28°22′35″ E088°04′47″	B345 Y3
OLKOB	N29°44′16″ E107°11′34″	W80	OLMIB	N29°52′17″ E113°47′05″	W37 W83 W687
OLPAB	N24°05′00″ E114°12′50″	W19 W44	OLPOV	N30°37′27″ E111°16′05″	B213
OLRED	N37°07′05″ E116°49′09″	W4 W567	OLRIS	N31°39′01″ E119°02′25″	A470 G345 R343 V143
OLROB	N38°34′57″ E119°32′34″	W36	OLTIT	N39°12′48″ E107°50′56″	W217
OLTOL	N28°13′44″ E113°43′04″	W37 W226	OLTUS	N28°10′21″ E112°17′34″	R343 W226
OLVAT	N28°54′13″ E104°49′40″	W232	OMBAD	N43°29′42″ E128°17′04″	G341
OMBEB	N27°10′46″ E113°39′25″	R473 W37	OMBON	N33°21′26″ E104°16′15″	B330 W179 Y1
OMDAX	N44°34′29″ E087°59′27″	W190	OMDEK	N38°39′18″ E116°05′27″	W37 W85
OMDIS	N38°57′06″ E110°24′20″	W104	OMDUS	N41°34′30″ E121°11′00″	A575 V56 V57 W599 W600
OMGEL	N40°25′21″ E109°58′29″	W64 W72 W193	OMGEV	N30°50′11″ E095°44′01″	B213 W261
OMGIB	N29°35′25″ E111°25′25″	V87	OMGUP	N39°13′46″ E097°37′33″	B215 W619

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OMKAK	N37°50′05″ E111°42′59″	B215	OMKEG	N30°37′38″ E104°01′24″	W236
OMKEN	N44°50′00″ E086°48′00″	A368	OMKOB	N28°17′04″ E115°31′36″	W224 W227
OMLAP	N30°14′20″ E113°39′19″	W687	OMLIB	N36°24′40″ E123°21′57″	A326 W209
OMLIX	N34°52′27″ E111°55′01″	W4 W665	OMUDI	N33°58′14″ E118°16′00″	A593 W125 W177
ONEBA	N32°48′37″ E107°29′43″	G212	ONEMI	N25°45′04″ E110°36′29″	R343 V88
ONENA	N40°34′57″ E097°13′22″	V67	ONINA	N46°16′17″ E125°20′09″	B451 W627
ONOKU	N32°12′37″ E106°10′13″	W230	ONOLO	N44°43′10″ E126°10′31″	W629
ONUDU	N31°22′18″ E114°42′18″	W671 W689	OPAMU	N29°39′06″ E107°33′39″	W80 W238
OPENU	N23°47′08″ E111°17′12″	V144	OPIMU	N41°14′12″ E118°35′38″	G332 W201
OPIXU	N25°18′03″ E112°28′13″	V147 V148	OPORU	N28°46′02″ E113°30′03″	W56
OPULI	N38°44′06″ E105°05′19″	W199	OPUNI	N26°30′00″ E113°51′42″	R473 V52
OPUNO	N29°30′18″ E092°11′38″	W500	ORAVA	N38°42′36″ E120°12′21″	W100 W201 W576
ORAXU	N41°08′02″ E124°11′11″	A345 A575	OREVO	N31°40′00″ E118°10′30″	W164 W546
OREXA	N29°39′20″ E119°09′32″	G204 W132	ORIXA	N38°15′18″ E121°19′21″	V68
ORODO	N36°22′27″ E114°45′01″	W56 W62	OROTU	N31°28′13″ E119°09′00″	A470 V7
ORUKA	N30°29′42″ E107°01′44″	W550	OSIKA	N22°51′19″ E110°33′10″	R474
OSIKI	N33°12′41″ E118°39′53″	W166 W178	OSIRU	N30°35′28″ E114°10′15″	W37 W673 W674
OSNEV	N42°22′28″ E117°42′23″	W28	OSNOV	N24°29′24″ E112°44′35″	G586 V148 W24

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OSONO	N27°45′52″ E115°39′17″	W19 W531	OSPAM	N29°05′08″ E119°37′13″	A470 V76 W536
OSPAP	N30°52′22″ E106°24′32″	B213	OSREK	N30°33′18″ E114°04′10″	R343 W80
OSRUR	N41°46′15″ E113°04′06″	G218 W634	OSUBA	N40°44′11″ E117°02′14″	W45 W49
OSUPO	N46°15′52″ E084°08′45″	A368	OSUTU	N41°48′03″ E124°33′54″	W602 W604
OSVEN	N38°15′00″ E120°21′10″	W201 W588	OSVUL	N38°30′13″ E114°41′33″	W631 W640
OTABO	N44°27′15″ E123°54′54″	G212	OTBIM	N27°27′36″ E103°49′32″	W144
OTBUG	N30°49′00″ E115°50′31″	W50 W670	OTBUL	N38°59′47″ E118°29′53″	W34 W35 W243
OTGIN	N28°23′21″ E104°53′12″	W179	OTKAB	N37°54′00″ E115°51′12″	W37 W624
OTLEK	N28°11′18″ E107°26′24″	V50	OTLOS	N30°35′29″ E106°54′52″	V38 W180 W550
OVGOT	N22°47′01″ E114°45′00″	R200	OVLAR	N32°04′33″ E112°16′32″	W45
OVLEM	N36°22′12″ E119°52′31″	W103	OVLUG	N23°11′36″ E110°48′01″	GYA03 V145
OVNEV	N29°54′34″ E121°43′15″	V72 W67	OVNUG	N38°06′37″ E116°41′32″	W40 W562
OVPOR	N27°02′16″ E108°05′15″	W586	OVRAL	N32°45′45″ E104°35′17″	B330 W242
OVTAN	N28°12′41″ E114°20′52″	W46	OVTIB	N36°24′00″ E104°44′10″	W213
OVTIT	N35°04′14″ E117°42′45″	A593 W661	OVTIX	N25°08′12″ E113°50′57″	V5
OVTUP	N38°25′56″ E119°58′50″	W55 W576	PABKI	N44°43′52″ E126°03′34″	A588 W655 W656
PABNI	N38°23′11″ E109°17′36″	W47	PADNO	N35°50′45″ E113°17′36″	B208 V105 W210
PADRU	N26°23′13″ E119°33′01″	A470	PADSA	N40°56′46″ E111°53′55″	W32 W561

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PAGDO	N44°31′09″ E126°00′46″	A588	PAKMA	N33°50′33″ E114°46′40″	W37
PAKPU	N22°53′43″ E110°53′41″	R474	PAMDA	N38°48′12″ E119°03′42″	V1
PAMLI	N40°58′01″ E081°39′50″	B215 W186	PAMLO	N28°26′09″ E105°05′14″	W25 W232
PAMRU	N39°04′43″ E117°22′26″	V10 V30 V48 W34 W55 W244	PAMVU	N28°41′30″ E120°43′18″	B221 V74
PANBO	N26°47′48″ E115°16′00″	W19	PANKI	N37°17′45″ E116°59′59″	V10 V15 W40 W158
PANRA	N36°48′58″ E102°54′43″	W191 W198 W212	PARGU	N30°59′00″ E096°25′17″	B213 W12
PARTU	N37°43′13″ E112°54′13″	G212 W87	PASGU	N33°40′48″ E113°42′34″	W638
PATRI	N38°33′27″ E121°30′42″	W8 W575	PATVO	N28°07′09″ E114°20′37″	W227
PATVU	N34°52′24″ E111°02′02″	W175 W663	PAVMO	N32°24′36″ E104°19′00″	W179
PAVPA	N31°14′09″ E114°45′22″	W671	PAVTU	N28°06′20″ E113°33′21″	A461 W46
PEBGO	N39°32′30″ E082°29′42″	W187	PEDMU	N28°08′25″ E112°04′55″	W138 W226
PEGDU	N20°53′00″ E109°23′00″	W70	PEGSO	N38°56′41″ E115°30′19″	B215
PEXEK	N29°20′00″ E115°45′06″	W105 W532	PEXID	N28°44′16″ E113°45′18″	W37
PEXUN	N30°55′44″ E100°00′00″	B213 L888	PIDOX	N41°14′06″ E116°37′30″	V1 V92
PIGAM	N45°01′23″ E124°48′41″	W203 W626	PIGAN	N38°30′20″ E114°00′06″	Used by ATC
PIKAS	N32°10′00″ E120°44′00″	G330 V53 W109	PIKEM	N33°30′44″ E108°51′34″	W152 W153
PIMEL	N32°24′24″ E104°36′15″	B330	PIMOL	N32°14′45″ E119°45′42″	A593 G330 V14 W184 W593
PIMUS	N31°48′18″ E119°23′30″	G345 V11	PINAB	N30°34′45″ E106°18′19″	W80

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PINAP	N38°25′56″ E114°44′53″	G212 W631	PINOT	N31°27′00″ E122°27′00″	B221 W11 W13 W38 W115
POKOR	N42°02′36″ E116°08′52″	W86	POLHO	N44°47′00″ E113°15′00″	B339 G218 W33
POMOK	N31°27′00″ E121°07′00″	G330 V3 V27 V70	PONAB	N30°35′16″ E122°24′04″	W13
PONAV	N35°07′10″ E111°02′03″	W175 W665	PONEN	N25°37′30″ E120°24′00″	M503 W122
PONEP	N30°18′06″ E109°14′50″	B213	PONUD	N31°38′54″ E114°33′56″	W37
POPOM	N31°07′56″ E114°52′15″	W688	PORAP	N19°15′00″ E109°58′45″	W222
POSOT	N43°11′00″ E085°58′25″	A343 B215	POVAG	N38°16′44″ E122°15′04″	A326 V43 W577
POVUN	N30°13′50″ E109°48′32″	W80 W239	POXIB	N27°55′01″ E113°26′14″	W56 W521
POXUS	N38°33′16″ E115°04′32″	G212	PUBAM	N44°28′40″ E089°04′06″	W190
PUBIK	N27°27′16″ E113°40′20″	W615	PUBOV	N34°53′12″ E113°53′39″	V54 V105
PUBUR	N40°44′15″ E078°55′12″	W176	PUDUG	N30°04′03″ E106°50′51″	W80 W180
PUGIN	N29°12′47″ E116°04′21″	W532	PUKOL	N40°16′34″ E114°05′09″	B458 W64
PULES	N28°23′04″ E115°34′49″	W19 W46 W224	PUMUP	N44°44′37″ E125°56′38″	W630
PUNIR	N24°27′42″ E113°01′44″	G586 W45	PURPA	N36°56′30″ E075°24′30″	B215 W112
RANBO	N38°58′49″ E121°08′35″	V46	RAXEV	N37°09′50″ E116°56′03″	A593 W4
REBIS	N27°19′40″ E113°24′27″	V66 W56	REDEM	N38°48′22″ E121°20′26″	V43 V45
REDUB	N44°44′55″ E088°19′03″	G588	REKSO	N27°46′25″ E112°00′12″	R343
REMIM	N28°51′32″ E120°44′24″	B221	REPOL	N37°35′32″ E119°40′42″	V42 W4

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REPUV	N31°01′41″ E114°09′07″	W50 W56	REVKU	N32°21′12″ E113°38′18″	W118
REVSI	N38°37′26″ E114°35′59″	B215 W631	RIBVI	N32°51′02″ E118°57′48″	W166 W185
RIDMI	N35°42′27″ E112°20′24″	W210	RIKMO	N20°59′20″ E108°16′00″	W169
RIMDU	N43°38′56″ E092°59′13″	W188	RINBI	N40°21′30″ E108°00′00″	W64
RIRKI	N27°53′08″ E105°23′22″	W30 W179 W232	ROMEO	N21°51′48″ E113°26′54″	W552
RUKLI	N27°59′12″ E112°20′53″	W138 W227	RULAD	N43°30′01″ E080°43′59″	A343 A460
RULMU	N30°15′00″ E122°23′00″	W13	RUMGU	N33°28′55″ E114°44′32″	W37 W594
RUMIB	N33°33′04″ E121°43′46″	W108	RUNEG	N20°30′00″ E108°11′06″	V41 V51 W169
RUNEK	N27°57′43″ E115°44′02″	W19	RUPID	N38°24′29″ E122°24′40″	W579
RUPOX	N27°07′38″ E120°11′15″	B221	RUPUD	N33°13′11″ E118°22′57″	A470
RURAV	N36°33′57″ E107°00′29″	W215	RURNU	N41°56′25″ E112°38′46″	W28 W86 W634
RUSAT	N37°39′25″ E100°40′48″	W191	RUSBO	N44°33′37″ E124°07′06″	G212 W203 W204
RUSDI	N39°45′06″ E092°10′48″	W192	RUSDO	N39°45′40″ E115°26′51″	W45
RUSER	N40°24′36″ E111°17′45″	W64	RUSES	N25°00′40″ E110°25′01″	B330 G586
RUXEL	N34°06′38″ E118°48′30″	W178 W529	RUXIL	N31°24′18″ E112°08′24″	W45 W53
SABED	N28°19′48″ E105°52′26″	W30	SABEM	N41°00′00″ E117°10′00″	Used by ATC
SADAN	N40°04′36″ E086°00′00″	L888 W186 W187 Y1	SADBU	N35°15′04″ E107°31′21″	W214 W215
SADLI	N31°49′48″ E125°00′00″	A593	SAGAG	N21°11′30″ E101°37′24″	A581

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SAGIP	N34°05′20″ E118°09′49″	A593 W529	SAGNU	N30°03′00″ E119°47′44″	A470 W132
SAGPI	N31°03′17″ E105°25′07″	W81	SAGSU	N17°30′06″ E109°09′48″	G221 W171
SAGUD	N30°51′56″ E114°27′38″	R343 W50	SAKLU	N39°48′08″ E087°55′33″	W187
SAKRI	N38°47′23″ E114°28′12″	B458 W631	SALIV	N24°16′51″ E114°03′58″	A599 R473 W20
SALMO	N45°41′53″ E085°13′15″	A368	SALUG	N30°33′18″ E114°50′30″	W673
SAMAS	N20°30′18″ E110°29′42″	A202 G221 W222	SAMIV	N27°47′55″ E105°36′51″	B330 W91 W179
SAMKI	N30°15′12″ E121°33′30″	W58	SAMOB	N32°01′56″ E106°14′29″	G212
SANID	N39°35′49″ E108°13′26″	W220	SANKO	N38°15′00″ E122°27′12″	A326 A588 B332 W107 W579
SANLI	N32°00′00″ E100°00′00″	L888	SANUK	N31°22′19″ E107°23′31″	W30 W180 W242
SAPIN	N31°33′55″ E119°04′00″	A470 V143 W95	SAPUT	N23°54′22″ E117°02′02″	V36
SAREV	N45°46′27″ E127°15′09″	V83	SAREX	N22°52′54″ E113°29′00″	W6 W7
SARID	N30°25′55″ E113°51′01″	W687	SARIN	N46°51′54″ E082°53′18″	A368
SARPO	N26°45′57″ E104°36′48″	W136	SARUD	N38°49′53″ E120°09′48″	V47
SARUG	N23°14′47″ E108°42′25″	R343	SARUL	N48°30′54″ E115°47′12″	G338
SASAN	N31°35′22″ E120°19′10″	R343 W161 W167	SAVNO	N17°29′31″ E109°17′25″	W170 W171
SAVPA	N37°30′37″ E111°40′03″	W43	SEBGU	N28°21′10″ E107°17′32″	V50
SEBLI	N37°04′35″ E122°19′30″	W4	SEBMO	N27°59′34″ E112°14′44″	W227 W618
SEGPI	N32°32′00″ E117°16′00″	V39 W127 W571	SELGO	N40°28′41″ E113°05′11″	W65 W96 W247

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SIERA	N21°59′06″ E113°33′12″	R473	SIKOU	N20°50′36″ E111°30′00″	A202 R339
SIMLI	N50°17′24″ E127°22′06″	A588	SOSLI	N30°26′51″ E107°03′02″	W4 W550
SOSMA	N33°43′05″ E121°38′52″	W108 W113	SOTMU	N39°47′58″ E116°51′16″	B339 G212 W98
SUBKU	N33°11′50″ E118°56′25″	A593	SUBUL	N32°19′39″ E106°42′37″	G212 W230
SUDPI	N29°57′51″ E108°43′13″	W80	SUGDO	N38°09′57″ E113°21′44″	B215
SUKTO	N34°11′05″ E113°48′52″	W128	SULAS	N22°54′58″ E114°13′16″	V17
SULEM	N27°26′20″ E122°25′19″	R596	SULEP	N30°32′37″ E107°00′25″	W30 W550
SULTI	N46°18′19″ E126°36′47″	V81	SUMDO	N22°54′02″ E115°52′54″	R200
SUMIB	N23°55′28″ E112°55′53″	W24	SUMUN	N26°47′12″ E106°46′49″	W3 W179
SUNBO	N31°47′27″ E118°05′15″	W163	SUNPU	N38°47′55″ E090°20′31″	W112 Y1
SUNUV	N36°31′46″ E104°06′45″	B330 W197 W213	SUPAR	N30°01′23″ E120°51′29″	B221 V73 W67 W505
SUPEV	N34°13′05″ E114°22′50″	W596	SUPUM	N29°05′32″ E105°10′53″	W234
SURAK	N31°46′24″ E123°29′30″	A326 G455	SUROS	N41°03′49″ E112°15′49″	G218 W558
SUSMU	N29°10′00″ E121°04′00″	V74	TAMIX	N35°36′43″ E113°23′52″	B208 W4
TAMOT	N22°21′30″ E113°52′00″	B330 W18 W68	TAMOX	N42°52′55″ E091°12′27″	G470
TAMUS	N30°42′04″ E106°58′03″	W180	TANIB	N38°22′54″ E121°05′13″	W173 W575
TAPEN	N31°12′25″ E119°31′37″	W135	TAPUN	N30°00′12″ E093°04′30″	W500 W510 W526
TAXOR	N27°49′41″ E107°46′23″	A581	TEBAK	N22°10′30″ E106°40′30″	R474

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名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route	名称代码 Name-code Designator	坐标 Coordinates	涉及的航路 ATS route or other route
TEBIB	N35°21′09″ E107°53′54″	W541	TEBON	N24°08′17″ E117°30′04″	A470 V36 W155
TEBUS	N47°25′06″ E090°27′42″	G588	TEKAM	N37°35′10″ E120°45′17″	V68 W4 W172 W652
TEKIL	N38°36′32″ E115°13′25″	G212 W62 W85	TELOK	N49°38′00″ E117°22′00″	A345
TEMAD	N38°28′24″ E118°24′19″	W35 W55	TEMOL	N35°27′03″ E094°12′11″	L888
TEPAG	N31°28′26″ E120°24′57″	V16	TEPID	N23°32′06″ E113°23′06″	W22 W24 W90
TEPIT	N31°43′30″ E114°20′33″	W56	TEPOD	N47°48′07″ E122°46′10″	B451
TEPOT	N30°01′45″ E108°58′01″	W80 W239	TEPUT	N38°00′56″ E084°51′46″	W112
TESAN	N39°04′10″ E109°45′12″	W193	TESIG	N31°11′48″ E119°23′18″	A470
TESIL	N24°59′59″ E106°24′30″	V86	TIKME	N30°32′24″ E112°53′37″	W80 W207 W208
TODAM	N39°29′31″ E112°12′03″	B208 V91 V146 W559 W560	TODOD	N39°37′51″ E096°37′22″	B215 W112
TOGEP	N46°01′20″ E127°06′15″	V82	TOGOG	N33°22′34″ E109°47′19″	V97 V99 V111
TOGUG	N29°12′00″ E122°32′00″	W13	TOLAK	N23°05′28″ E117°30′00″	M503
TOMUD	N21°51′27″ E112°32′50″	R200 V21	TOMUK	N38°43′00″ E124°00′00″	B332
TONAX	N37°45′30″ E090°11′18″	L888	TONIL	N39°54′00″ E117°23′18″	V9 V10
TONIX	N31°19′56″ E123°32′38″	A326 G327	TONOV	N38°11′20″ E114°06′24″	G212 W640
TOREG	N31°21′30″ E106°03′48″	W81	TOREL	N40°37′27″ E111°53′25″	W69 W84
TOSAP	N39°57′24″ E095°04′48″	W191 W620	TOSAS	N31°19′00″ E121°31′30″	G455
TOSEM	N24°28′00″ E099°15′51″	W632 W633	TOSID	N40°34′55″ E123°33′59″	A588 V60 W602 W603

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TOSIM	N30°19′26″ E109°20′18″	B213 V38	TULMU	N29°47′28″ E115°33′05″	V108 W105
TULRA	N32°38′56″ E114°23′40″	W56	TUMLO	N37°13′00″ E116°47′39″	W157 W160
TUPGA	N29°21′32″ E119°08′35″	A599 W135	TUSLA	N40°20′53″ E113°04′49″	W64 W65
TUSLI	N39°05′00″ E092°18′00″	W112 W187 W192	TUTGO	N39°10′14″ E107°25′59″	W218 W220
TUTKI	N31°59′09″ E117°23′39″	V64 V78	TUTNA	N36°45′38″ E110°34′25″	G212
TUVKI	N26°40′45″ E102°55′04″	G212	TX401	N41°43′34″ E122°07′56″	V56
TX402	N41°42′35″ E122°07′44″	W599	TX403	N41°35′56″ E122°06′25″	W600
TX404	N41°33′38″ E122°05′58″	V57	TX405	N41°35′49″ E123°15′19″	V56
TX408	N41°26′13″ E123°10′39″	V57	TX409	N40°46′44″ E123°38′11″	W603
TX410	N40°54′35″ E123°54′22″	V58 W602	TX411	N41°25′52″ E124°06′17″	W603
TX412	N41°22′27″ E124°14′29″	W602	TX413	N42°00′14″ E124°32′19″	W603
TX414	N41°56′54″ E124°40′40″	W602	TX415	N42°41′17″ E125°00′37″	V62 W603
TX416	N42°38′04″ E125°09′08″	W602	TX510	N41°22′54″ E123°55′20″	W601
TX557	N42°01′59″ E124°05′02″	V61 V62	TX560	N42°08′03″ E124°48′19″	V61 W602
TX562	N41°29′47″ E124°09′07″	W603	TX603	N41°47′37″ E123°43′00″	V62
TX611	N42°14′11″ E124°22′06″	V62	TX654	N41°25′18″ E123°35′53″	W601
TX661	N40°53′14″ E123°42′49″	V59 W603	UBDID	N26°46′53″ E107°36′48″	W182
UBDIX	N27°22′07″ E120°21′29″	B221	UBDOB	N23°21′42″ E114°37′30″	V17 V18

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UBDUN	N35°35′14″ E112°46′38″	W45	UBGEM	N29°22′57″ E085°02′26″	Y3
UBGUP	N27°00′29″ E108°18′42″	Used by ATC	UBKER	N31°02′53″ E104°40′02″	B330 G212
UBKOX	N30°39′45″ E111°40′34″	B213 W53	UBLIM	N22°53′15″ E113°40′12″	W18
UBMOG	N27°13′55″ E113°42′28″	W615	UBRAB	N30°50′35″ E105°25′11″	B213 W235
UBRAG	N40°23′59″ E111°52′18″	W64 W84	UBSEV	N40°37′16″ E112°02′29″	W69 W559
UBSIR	N20°16′24″ E109°06′33″	V51	UBTAG	N30°33′33″ E114°01′37″	A461 W80
UDETI	N38°41′30″ E122°09′36″	A588 W106 W202 W579	UDETU	N27°14′27″ E104°41′17″	W30
UDIGU	N37°15′33″ E111°45′48″	G212	UDINO	N34°49′21″ E117°48′12″	A593
UDOLA	N30°36′06″ E119°54′16″	A470	UDOXI	N31°52′37″ E121°47′06″	V2
UDOXO	N27°58′58″ E105°10′16″	W179	UDUMI	N30°32′51″ E114°08′50″	W37 W80 W686
UDUTI	N21°51′00″ E111°56′00″	V19 V20 V21	UGABI	N44°07′36″ E128°33′00″	B451 W39
UGAGO	N29°37′39″ E119°39′02″	A470 G204 W507 W537	UGASA	N38°34′19″ E119°57′58″	W36
UGILO	N30°28′14″ E102°37′53″	W9	UGOMO	N35°41′35″ E121°20′54″	W209
UGOPO	N30°06′22″ E106°48′25″	W30 W80	UGOTU	N37°07′02″ E110°40′30″	W43
UGOVA	N29°14′38″ E092°12′02″	W9	UGPEL	N44°33′07″ E087°17′13″	A368
UGPOR	N39°09′27″ E110°56′54″	W47	UGRIG	N25°16′45″ E111°20′30″	V147
UGRUP	N43°36′52″ E123°11′54″	A345 G341	UGSUT	N33°45′24″ E109°34′36″	V97 W152
UGUGU	N26°35′01″ E108°22′10″	V50 W182 W183 W585	UGVES	N27°14′34″ E103°09′57″	G212

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UKBAD	N43°00′45″ E113°11′26″	A575 G218	UKBET	N40°22′57″ E112°24′50″	W64 W635
UKBOL	N28°00′33″ E113°26′43″	W56 W227	UKDAB	N27°26′32″ E100°00′00″	L888
UKDIN	N45°03′14″ E126°51′55″	V85	UKDUM	N41°29′51″ E118°26′40″	A575 G212 W33 W49 W201
UKEGO	N28°00′00″ E105°30′49″	W30	UKLUK	N27°39′14″ E113°24′50″	W56 W616
UKMA2	N23°16′06″ E111°37′57″	GYA01	UKMA3	N23°05′22″ E111°36′25″	GYA01 GYA03 V145
UKMA4	N22°54′34″ E111°37′30″	GYA01 GYA03	UKMA5	N22°44′16″ E111°41′07″	GYA01 GYA03
UKMA6	N22°34′57″ E111°47′06″	GYA01 GYA03	UKMAX	N23°26′16″ E111°42′00″	B330 GYA01
UKMIS	N38°07′05″ E115°25′51″	W562 W624	UNRIX	N28°46′00″ E106°55′00″	V50 W180
UNROD	N38°34′09″ E114°52′23″	W640	UNSEK	N38°36′46″ E120°14′08″	A326 V46 W55 W201
UNSUV	N30°42′19″ E106°35′28″	B213	UNTAN	N32°12′14″ E120°17′04″	G330 G345 V70
UNTEL	N33°42′13″ E114°45′50″	W37 W596	UNTEN	N42°15′46″ E115°40′11″	B339 W28
UNTIN	N30°36′30″ E113°49′35″	W674	UPDAD	N37°35′20″ E119°37′49″	V89 W4
UPGED	N25°08′18″ E100°15′21″	L888 W162	UPGUR	N30°29′01″ E111°42′26″	W80 W156
UPKED	N45°03′27″ E126°00′03″	W629	UPKEK	N31°32′05″ E119°14′29″	V7 V16 W135
UPKOT	N43°12′55″ E090°10′16″	W192	UPKUN	N39°05′20″ E107°39′45″	W217 W218
UPKUS	N28°03′39″ E106°57′23″	W180	UPLEL	N31°39′15″ E118°59′19″	R343 W95
UPMAT	N29°56′42″ E113°35′44″	W56 W82 W686	UPMIP	N24°42′02″ E114°36′06″	W19
UPNAT	N41°56′35″ E119°25′29″	W31	UPNEM	N36°31′02″ E115°18′21″	W4

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UPNIM	N30°22′15″ E106°57′07″	B213	UPNUX	N43°33′32″ E127°47′41″	G341
UPREK	N42°14′10″ E115°15′46″	A575 W28	UPRIK	N23°29′52″ E114°00′40″	W26 W41
UPRIS	N19°15′00″ E109°46′09″	G221	UPSAT	N39°09′00″ E118°56′30″	V1 V9
UPSUR	N40°35′26″ E112°48′09″	W69 W96	UPVOM	N29°35′57″ E119°41′14″	W135 W537
UPVOP	N36°25′50″ E102°51′26″	W111	URBAD	N36°07′00″ E120°28′50″	W172
URBEB	N35°53′57″ E107°06′28″	W213	URBIL	N35°47′13″ E112°52′52″	W45 W210
URDIN	N18°03′41″ E108°10′59″	W169	URDOG	N40°36′41″ E112°27′27″	W69 W558
URGAV	N24°33′02″ E100°25′48″	L888 W632	URGEB	N31°17′29″ E115°47′04″	R343 W669
URGEG	N30°35′56″ E106°17′03″	V38 W80 W231	URGIN	N33°39′05″ E112°29′16″	W45
URGIX	N26°49′05″ E104°52′27″	W136	URGOM	N42°07′15″ E117°15′27″	W52 W54 W86
URKED	N38°11′00″ E115°11′42″	W623	URKIB	N35°43′24″ E107°03′44″	W93
UVUNO	N23°01′45″ E107°38′31″	R339	UXALO	N31°41′04″ E117°00′30″	R343 W570
UXODI	N40°36′38″ E112°29′25″	W69	VABKU	N29°53′17″ E108°26′01″	W80
VABRA	N38°58′44″ E121°21′42″	V43 V44	VADBU	N30°50′53″ E114°54′04″	W671
VADKA	N39°04′06″ E114°23′58″	B458	VADMO	N36°16′49″ E114°44′27″	W4 W56
VAGBI	N38°20′26″ E113°49′25″	B215 W45	VAGNU	N41°30′24″ E117°15′26″	W49 W54
VAKDO	N28°02′29″ E113°42′10″	W37 W227 W615	VAKVU	N26°30′49″ E113°26′20″	W56
VALNI	N40°25′17″ E110°12′43″	W64 W101	VALVA	N41°54′17″ E117°17′43″	W33 W52

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VAMSI	N30°00′30″ E099°06′00″	W260	VANPI	N27°49′00″ E113°25′42″	W56 W616
VANVO	N42°37′38″ E114°12′20″	A575	VAPGU	N38°46′23″ E119°49′44″	W34 W100
VAPNA	N22°41′42″ E109°07′19″	R474	VARDU	N32°49′19″ E112°31′02″	W45
VARMI	N44°20′03″ E087°41′05″	A368 W190	VASRO	N42°27′50″ E129°44′25″	R224
VAVSA	N30°15′17″ E121°19′09″	W502	VAVSO	N24°45′37″ E114°58′05″	G471
VEBNI	N31°27′00″ E121°45′02″	V8 V27	VEDLU	N38°42′12″ E108°43′16″	W218
VEDPO	N28°22′46″ E104°18′39″	W144	VEGDA	N32°17′12″ E118°42′34″	V142 W95
VEGDO	N18°11′27″ E109°17′03″	W170	VELPU	N30°49′19″ E106°27′51″	B213 W550
VEMEX	N31°47′42″ E118°18′04″	W73 W163 W545	VEMOT	N38°07′34″ E114°49′15″	V79
VENBA	N36°21′30″ E109°38′41″	G212	VENOS	N38°54′10″ E122°19′36″	A588 W573
VEPGI	N36°22′48″ E120°29′44″	W172	VERMI	N42°06′09″ E113°29′46″	W28
VERUX	N37°30′07″ E114°46′00″	B458	VESED	N44°31′40″ E088°30′34″	W190
VESUX	N25°45′49″ E113°03′42″	V66 W45	VETEX	N45°34′45″ E126°36′50″	V83 V84
VETIB	N24°09′36″ E116°26′09″	W155 W563	VETIP	N33°54′03″ E115°00′22″	V104 V113
VEVED	N35°09′08″ E120°41′35″	B221	VEXAN	N31°21′28″ E114°19′54″	W56
VEXEB	N39°11′37″ E110°09′40″	W47 W104	VEXEX	N29°58′23″ E121°02′45″	G204 W67
VIBOS	N22°37′28″ E113°19′40″	R473	VIBUB	N29°44′14″ E112°19′22″	A581 V107
VIDEL	N38°21′42″ E118°45′22″	W55	VIDUT	N37°44′48″ E083°22′02″	W112

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VIDUX	N39°00′51″ E120°52′34″	V47	VIGAN	N26°35′55″ E107°02′00″	W180
VIGEK	N40°02′54″ E114°08′38″	B458 W47 W96	VIGIS	N27°10′25″ E111°35′13″	R343
VIKEB	N28°07′36″ E113°42′37″	V66 W37 W46	VIKOK	N37°38′32″ E122°19′22″	Used by ATC
VIKOL	N44°30′00″ E091°15′00″	Used by ATC	VIKON	N39°31′59″ E108°19′57″	W72 W217
VIKUP	N39°33′49″ E096°06′13″	W112 W191	VILID	N31°33′27″ E117°17′23″	V65 W164
VILIX	N41°16′52″ E124°10′26″	A345 A575 W602	VIMAK	N30°37′59″ E114°17′48″	W668 W676
VIMAM	N30°51′54″ E104°41′16″	B330 W233 W235	VIMEN	N27°49′16″ E111°56′49″	W618
VINEX	N30°36′27″ E106°41′48″	B213 V38	VINIG	N33°36′52″ E114°29′06″	W56 W639
VIPAP	N22°45′41″ E114°31′56″	R200	VIPIB	N30°09′32″ E101°31′44″	W9 W17
VIRIK	N36°08′23″ E107°10′13″	W215	XEBUL	N24°17′00″ E114°51′00″	G471 V18
XELOV	N19°15′42″ E108°10′48″	W169	XEREN	N22°25′35″ E107°15′19″	R474
XINUL	N27°29′53″ E113°24′58″	W616	XIREM	N31°44′42″ E120°57′31″	G330 W591
XISLI	N25°58′29″ E103°53′57″	A581 W136	XIVID	N36°34′30″ E120°28′50″	W174
XIXAN	N36°16′46″ E104°07′29″	B330 W111 W214 W565	XODAS	N34°54′47″ E108°10′39″	W154
XOGAB	N35°20′27″ E106°57′51″	W214	XOGAX	N31°48′44″ E118°41′10″	W543
XOLAL	N29°29′34″ E106°52′53″	W168 W180	XOLON	N24°32′19″ E108°04′29″	W181
XOPEK	N28°25′48″ E111°34′35″	W45 W138	XUTGU	N32°27′50″ E119°34′32″	A593 W582
XUVGI	N27°31′09″ E116°55′16″	A599			

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ENR4.5
航空地面灯光 — 航路
Aeronautical ground lights — en-route

(待补充) (to be developed.)

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ENR5
航行告警
NAVIGATION WARNINGS

ENR5.1
禁区、限制区和危险区
Prohibited, restricted and danger areas

ENR5.1.1 总则

1. 空中禁区

航空器在飞行中，无论在任何情况下，均不准飞入划定的空中禁区。中国民用航空局对飞入空中禁区的航空器的机长，将给予严肃处理，并且对该航空器飞入空中禁区所产生的一切后果，不负任何责任。

2. 限制区

航空器必须遵守限制区的各项限制，避免发生危险影响飞行安全。

3. 危险区

在危险区有活动期间，航空器均不准进入危险区，以免发生危险影响飞行安全。

ENR5.1.1 General rules

1.Prohibited area

Under no circumstances, shall an aircraft be allowed to enter a prohibited area. The Civil Aviation Administration of China will take disciplinary measures against the pilot-in-command of the aircraft entering such prohibited area and will take no responsibility for whatever consequences that may occur to the aircraft.

2. Restricted areas

An aircraft must obey varies restrictions in a restricted area flying, so as to avoid the activities dangerous to flight safety.

3.Danger areas

During the period of activation of a danger area, an aircraft is not allowed to enter the area so as to avoid the activities dangerous to flight safety.

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ENR 5.1.2
禁区
Prohibited Areas

识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZB(P)801 N395645 E1161814-N395655 E1162542-N395214 E1162617-N395201 E1161818-N395645 E1161814	UNL ———— GND	每日 Daily: H24 北京市空中禁区 禁止任何航空器进入 Beijing prohibited area Aircraft are prohibited to enter. -

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ENR 5.1.3
限制区
Restricted Areas

识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZB(R)607 N405000 E1091300-N405230 E1091300-N405230 E1093700-N405000 E1093700-N405000 E1091300	20 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)612 N401712 E1074250-N401819 E1081652-N401100 E1083400-N395900 E1082700-N394800 E1080600-N395600 E1074800-N401712 E1074250	15 000 ———— GND	每日 Daily: H24 限制除我国专机、重要任务以外的航空器进入 All aircraft are restricted to enter except Chinese state flights and important missions flights. -
ZB(R)802 N394000 E1191000-N394000 E1193500-N393500 E1194000-N392000 E1194000-N392000 E1191000-N394000 E1191000	30 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)803 以 N380530 E1124300 为圆心，半径 20KM 的圆形区域。 A circle with radius of 20KM centered at N380530 E1124300.	20 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)804 以 N391230 E1141745 为圆心，半径 10KM 的圆形区域。 A circle with radius of 10KM centered at N391230 E1141745.	10 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)810 N392500 E1191000-N392500 E1194000-N391000 E1194000-N391000 E1191000-N392500 E1191000	30 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ———(m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZB(R)811 以 N403132 E1150530 为圆心，半径 17KM 的圆形区域。 A circle with radius of 17KM centered at N403132 E1150530.	4 600 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)818 N391622 E1152957-N391630 E1152929-N391547 E1152929-N391531 E1153001-N391622 E1152957	2 300 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZB(R)819 N392228 E1155533-N392207 E1155721-N392156 E1155718-N392216 E1155500-N392228 E1155533	1 100 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZG(R)206 以 N223554 E1143230 为圆心,半径 5KM 的圆形区域。 A circle with radius of 5KM centered at N223554 E1143230.	1 800 ———— GND	每日 Daily: H24 限制任何航空器进入 All aircraft are restricted to enter. -
ZH(R)809 以 N304929 E1110016 为圆心，半径 30KM 的圆形区域。 A circle with radius of 30KM centered at N304929 E1110016.	2 900 ———— GND	每日 Daily: H24 限制任何航空器进入 All aircraft are restricted to enter. -
ZJ(R)207 以 N165000 E1122000 为圆心，半径 30KM 的圆形区域。 A circle with radius of 30KM centered at N165000 E1122000.	4 000 ———— SFC	每日 Daily: H24 限制除民航航班以外的航空器进入 All aircraft are restricted to enter except civil scheduled/non-scheduled flights. -
ZL(R)404 N414000 E0973000-N414000 E1010000-N411500 E1023200-N403000 E1023200-N403000 E1020000-N411000 E1020000-N411000 E0973000-N414000 E0973000	20 000 ———— GND	每日 Daily: H24 限制任何航空器进入 All aircraft are restricted to enter. -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ———(m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZL(R)405 N384200 E1033000-N373500 E1041000-N375100 E1044000-N384800 E1033400-N384200 E1033000	20 000 ——— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)406 N390000 E1034000-N384800 E1043000-N382600 E1054230-N375700 E1045000-N385330 E1033620-N390000 E1034000	20 000 ——— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)407 N394500 E1053000-N392500 E1040000-N391300 E1035000-N384916 E1051456-N385807 E1053729-N394500 E1053000	20 000 ——— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)408 N400200 E0982900-N402000 E0980500-N400500 E1003000-N395000 E1003000-N400200 E0982900	18 000 ——— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)409 N394000 E0980900-N393100 E1000100-N385000 E0993600-N393500 E0975000-N393900 E0975300-N394000 E0980900	18 000 ——— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)418 N402954 E0961700-N403054 E0964100-N400154 E0964900-N395254 E0964000-N395005 E0961408-N395607 E0955858-N400754 E0955800-N402954 E0961700	15 000 ——— GND	每日 Daily: H24 限制除我国专机、重要任务以外的航空器进入 All aircraft are restricted to enter except Chinese state flights and important missions flights. -
ZL(R)805 N343525 E1100700-N343521 E1101100-N350212 E1101915-N350130 E1101400-N343525 E1100700	14 000 ——— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZL(R)806 N343355 E1095133-N343250 E1095134-N343751 E1101316-N343914 E1101309-N343355 E1095133	14 000 ——— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ———(m) 下限 Lower Limit	备注 Remarks （活动时间、限制类别、危险性质、遭遇拦截的风险） (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZL(R)808 N351500 E1084230-N351920 E1081550-N353000 E1080000-N354749 E1075954-N361448 E1085748-N351500 E1084230	15 000 ———— GND	每日 Daily: H24 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)201 N251100 E1031500-N251700 E1031500-N251700 E1032218-N251100 E1032218-N251100 E1031500	by NOTAM	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)204 以 N253911 E1065124 为圆心，半径 5 KM 的圆形区域。 A circle with radius of 5KM centered at N253911 E1065124.	2 200 ———— GND	每日 Daily: H24 射电望远镜 Radio telescope 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)205 以 N253911E1065124 为圆心，半径 30 KM 的圆形区域。 A circle with radius of 30KM centered at N253911E1065124.	UNL ———— 2 200	每日 Daily: H24 射电望远镜 Radio telescope 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)208 N243737 E1025110-N243819 E1025357-N243749 E1025645-N243634 E1025729-N243357 E1025732-N243052 E1025650-N243047 E1025117-N243219 E1025117-N243737 E1025110	5 900 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)209 N243051 E1025512-N242836 E1025421-N242544 E1025435-N242143 E1025241-N242114 E1025126-N242335 E1025245-N242601 E1025106-N242926 E1025210-N243047 E1025117-N243051 E1025512	5 800 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)401 N313714 E1040842-N313211 E1040930-N312913 E1034151-N313413 E1034114-N313714 E1040842	10 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -

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ZP(R)402 以 N300730 E1064100 为圆心，半径 10KM 的圆形区域。 A circle with radius of 10KM centered at N300730 E1064100.	10 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)403 以 N293700 E1064130 为圆心,半径 5KM 的圆形区域。 A circle with radius of 5KM centered at N293700 E1064130.	9 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)417 N310146.5 E1034000-N310143 E1033925- N310157 E1033930.5-N310208 E1033926- N310146.5 E1034000	by NOTAM	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZP(R)420 A circle with radius of 1.4KM centered at N293400 E1055500.	2 600 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZS(R)001 N315700 E1191000-N315800 E1185500-N320500 E1185500-N320500 E1190500-N315700 E1191000	5 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZS(R)002 N323500 E1175000-N323500 E1182000-N321500 E1182000-N321500 E1175000-N323500 E1175000	11 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZS(R)003 以 N340110 E1202109 为圆心，半径 30KM 的圆形区域。 A circle with radius of 30KM centered at N340110 E1202109.	15 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZS(R)614 N370050 E1191520-N370228 E1192524-N371000 E1192940-N371000 E1191130-N370050 E1191520	16 000 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZW(R)419 N423359 E0920558-N423559 E0921358-N422759 E0925458-N420159 E0924058-N421028 E0921453-N422156 E0915858-N423359 E0920558	15 000 ———— GND	每日 Daily: H24 限制除我国专机、重要任务以外的航空器进入 All aircraft are restricted to enter except Chinese state flights and important missions flights. -
ZY(R)601 N454000 E1222000-N454000 E1230000-N462000 E1230000-N462000 E1222000-N454000 E1222000	14 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)602 N451000 E1225000-N450039 E1225253-N445712 E1225145-N445900 E1223100-N450800 E1222600-N451000 E1225000	14 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)603 N470300 E1232030-N465932 E1230355-N472800 E1225300-N472805 E1225500-N470300 E1232030	15 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)604 N473148 E1242751-N473045 E1242729-N472340 E1250238-N472753 E1250412-N473148 E1242751	15 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)605 N420630 E1233100-N421118 E1231548-N420848 E1231442-N420630 E1233100	14 000 ———— GND	每日 Daily: H24 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ———(m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZY(R)606 N390218 E1212930-N385600 E1211830-N390230 E1212200-N390218 E1212930	14 000 ———— GND	by NOTAM 靶场 Firing range 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)608 N414540 E1232215-N414636 E1231850-N414844 E1231841-N414946 E1232124-N414859 E1232453-N414913 E1232609-N414845 E1232809-N414606 E1232709-N414540 E1232215	1 500 ———— GND	每日 Daily: H24 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)613 N451200 E1222100-N451200 E1221840-N453800 E1215630-N453800 E1222100-N451200 E1222100	6 000 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)615 N432221 E1280242-N432254 E1275124-N432006 E1275148-N432221 E1280242	14 000 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)616 N472305 E1240455-N472730 E1243200-N472100 E1243200-N472305 E1240455	16 000 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -
ZY(R)617 A circle with radius of 1.2KM centered at N444034 E1293050.	5 700 ———— GND	by NOTAM 限制任何航空器进入 All aircraft are restricted to enter. -

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ENR 5.1.4
危险区
Danger Areas

识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZJ(D)208 N201116 E1110004-N202054 E1114452-N194210 E1115408-N193233 E1110928-N201116 E1110004	15 000 ———— 6 000	每日 Daily: 0030-1200 对空射击 Ground to air firing -
ZJ(D)209 N190640 E1104826-N184509 E1110906-N180849 E1103206-N182133 E1100055-N190640 E1104826	20 000 ———— 1 000	每日 Daily: 0030-1400 对空射击 Ground to air firing -
ZJ(D)210 N170026 E1105349-N164438 E1103336-N161438 E1105826-N163029 E1111843-N170026 E1105349	18 000 ———— 4 000	每日 Daily: 2300-0030 (Next day) 对空射击 Ground to air firing -
ZJ(D)211 N181000 E1092000-N173000 E1092000-N173000 E1100000-N181000 E1100000-N181000 E1092000	15 000 ———— 6 000	每日 Daily: 0200-1300 对空射击 Ground to air firing -
ZS(D)005 N304200 E1230000-N304200 E1232300-N302800 E1232300-N302800 E1230000-N304200 E1230000	10 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -
ZS(D)006 N311000 E1234503-N303000 E1234503-N303000 E1243003-N311000 E1243003-N311000 E1234503	10 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -
ZS(D)007 N294600 E1224500-N284600 E1224500-N284600 E1232000-N294600 E1232000-N294600 E1224500	10 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -
ZS(D)008 N275000 E1220000-N275000 E1223000-N270000 E1223000-N270000 E1213000-N275000 E1220000	10 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -

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识别标志、名称和水平范围 Identification, Name and Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	备注 Remarks (活动时间、限制类别、危险性质、遭遇拦截的风险) (Time of activity, Type of restriction, Nature of hazard, Risk of interception)
ZS(D)009 N323000 E1230000-N314730 E1225130-N315030 E1231500-N323000 E1231500-N323000 E1230000	13 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -
ZS(D)010 N323000 E1234500-N320600 E1234500-N321000 E1240000-N323000 E1240000-N323000 E1234500	13 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -
ZS(D)011 N284500 E1222700-N284500 E1230000-N280000 E1223000-N280000 E1220000-N284500 E1222700	13 000 ———— SFC	by NOTAM 对空射击 Ground to air firing -

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ENR5.2
军事演习、训练区及防空识别区
Military exercise and training areas and air defence identification zone (ADIZ)

ENR5.2.1 东海防空识别区

1. 防空识别区范围

具体范围为以下六点连线与我领海线之间空域范围：北纬 33 度 11 分、东经 121 度 47 分，北纬 33 度 11 分、东经 125 度 00 分，北纬 31 度 00 分、东经 128 度 20 分，北纬 25 度 38 分、东经 125 度 00 分，北纬 24 度 45 分、东经 123 度 00 分，北纬 26 度 44 分、东经 120 度 58 分。见附图。

注：防空识别区(ADIZ)定义（参见 ICAO 附件 15）：按一定范围专门划定的空域。航空器在此空域内除需遵守提供空中交通服务（ATS）有关的程序外，还必须遵守特定的识别和/或报告程序。

2. 识别规则

2.1 位于东海防空识别区飞行的航空器，必须提供以下识别方式：

2.1.1 飞行计划识别。位于东海防空识别区飞行的航空器，应当向中华人民共和国外交部或民用航空局通报飞行计划。

2.1.2 无线电识别。位于东海防空识别区飞行的航空

ENR5.2.1 EAST CHINA SEA ADIZ

1. ADIZ area

The zone includes the airspace within the area enclosed by China's outer limit of the territorial sea and the following six points: N3311E12147, N3311E12500, N3100E12820, N2538E12500, N2445E12300 and N2644E12058. See attached chart.

Note：Air defence identification zone (ADIZ)（Refer to ICAO Annex 15）: Special designated airspace of defined dimensions within which aircraft are required to comply with special identification and/or reporting procedures additional to those related to the provision of air traffic services (ATS).

2. Aircraft identification rules

2.1 Aircraft flying in the East China Sea Air Defense Identification Zone must provide the following means of identification:

2.1.1 Flight plan identification. Aircraft flying in the East China Sea Air Defense Identification Zone should report the flight plans to the Ministry of Foreign Affairs of the People's Republic of China or the Civil Aviation Administration of China.

2.1.2 Radio identification. Aircraft flying in the East

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器，必须开启并保持双向无线电通信联系，及时准确回答东海防空识别区管理机构或其授权单位的识别询问。

China Sea Air Defense Identification Zone must maintain the two-way radio communications, and respond in a timely and accurate manner to the identification inquiries from the administrative organ of the East China Sea Air Defense Identification Zone or the unit authorized by the organ.

2.1.3 应答机识别。位于东海防空识别区飞行的航空器，配有二次雷达应答机的应当全程开启。

2.1.3 Transponder identification. Aicraft flying in the East China Sea Air Defense Identification Zone, if equipped with the secondary radar transponder, should keep the transponder working throughout the entire course.

2.1.4 标志识别。位于东海防空识别区飞行的航空器，必须按照有关国际公约规定，明晰标示国籍和登记识别标志。

2.1.4 Logo identification. Aircraft flying in the East China Sea Air Defense Identification Zone must clearly mark their nationalities and the logo of their registration idenrification in accordance with related international treaties.

2.2 东海防空识别区管理机构是中华人民共和国国防部。

2.2 The Ministry of National Defense of the People's Republic of China is the administrative organ of the East China Sea Air Defense Identification Zone.

3. 飞行计划通报的相关规定

3. REGULATIONS REGARDING FLIGHT PLAN SUBMISSION

3.1 飞行种类:

3.1 Flight type

3.1.1 民航定期航班或加班、包机、调机、公务机等临时飞行任务应当向中国民航空管部门通报飞行计划。

3.1.1 Civil aviation scheduled flights, and any non-scheduledflights including extra scheduled flights, chartered flights, ferryflights and business flights shall submit flight plan to air trafficcontrol department of CAAC.

3.2 使用 FPL 电报通报飞行计划。

3.2 The flight plan shall be submitted in the format of

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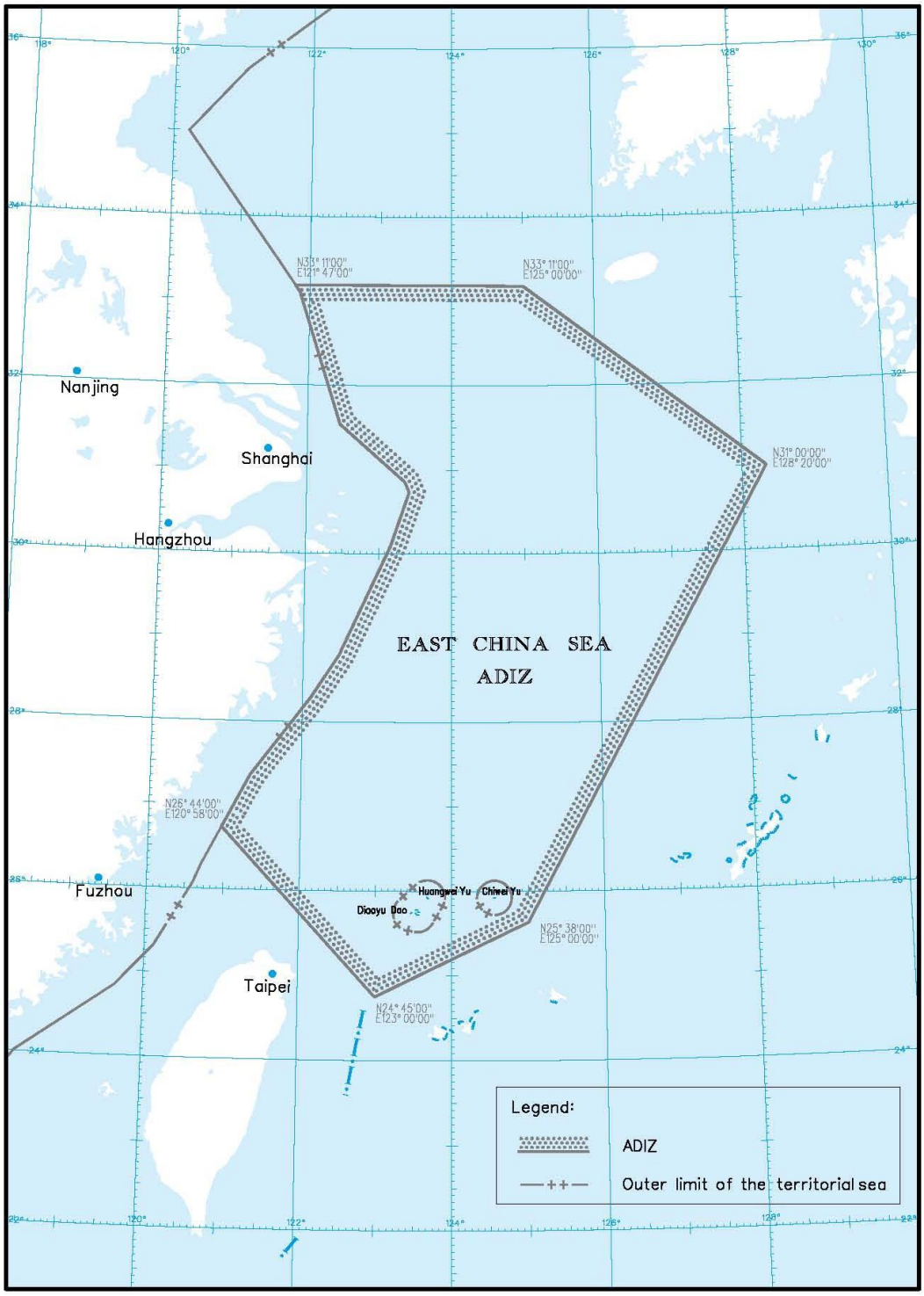
FPL.

3.3 中国民航空管部门的收电地址是: ZBBBZGZX, ZSACZQZX。

3.3 The address of air traffic control department: ZBBBZGZX, ZSACZQZX.

东海防空识别区
EAST CHINA SEA AIR DEFENSE IDENTIFICATION ZONE



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ENR5.3
其他危险性活动和其他潜在危险
Other activities of a dangerous nature and other potential hazards

ENR5.3.1 其他危险性活动 ENR5.3.1 Other activities of a dangerous nature

位置/水平范围 Locations/Lateral Limits	上限 Upper Limit ——— (m) 下限 Lower Limit	附注 Remarks (限制类别、活动时间) (Type of Restriction, time of activity)
位于 N2329 E11118，范围:250km At N2329 E11118, range: 250km	36 000 ——— GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.5m 重量 Weight: 3500g 颜色 Colour: Latex colour 上升率 Rate of climb: 300-450m/min 每日 Daily: 2315-0100(next day),1115-1300
位于 N2605 E11917，范围: At N2605 E11917, range:	30 000 ——— GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.8m 重量 Weight: 2500g 颜色 Colour: ----- 上升率 Rate of climb: 400m/min 每日 Daily: 1715-1915,2315-0115(next

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		day),1115-1315
位于 N2720 E11728，范围: At N2720 E11728, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.8m 重量 Weight: 2500g 颜色 Colour: ----- 上升率 Rate of climb: 400m/min 每日 Daily: 2315-0115(next day),1115-1315
位于 N4252 E12930，范围:10km At N4252 E12930, range: 10km	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 0515,0915,1715,2315
位于 N2651 E10013，范围: At N2651 E10013, range:	15 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: ----- 上升率 Rate of climb: 400m/min 每日 Daily: 1115,2315
位于 N3048 E10610，范围:55nm At N3048 E10610, range:55nm	40 000 — — —	释放探空气球 Ascent of FREE balloon

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	GND	气球直径 Diameter of balloon: 2.5-3m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 350m/min 每日 Daily: 1800-2000
位于 N3737 E11235，范围: At N3737 E11235, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 3.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 飞行时间 Floating time:90min 每日 Daily: 1115-1245,1715-1845,2315-0045(next day)
位于 N275441 E1021235，范围： At N275441 E1021235, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 3.5m 重量 Weight: ----- 颜色 Colour: ----- 上升率 Rate of climb: 约 400m/min 每日 Daily: 0100
位于 N2500 E10239，范围： At N2500 E10239, range:	36 000 — — —	释放气象气球 Ascent of MET balloon

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	GND	气球直径 Diameter of balloon: 1.5m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1315,1715-1915,2315-0115(next day)
位于 N2651 E10013，范围： At N2651 E10013, range:	36 000 ——— GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.5m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1315,2315-0115(next day)
位于 N2326 E10319，范围： At N2326 E10319, range:	36 000 ——— GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.5m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1315,2315-0115(next day)
位于 N2247 E10058，范围： At N2247 E10058, range:	36 000 ———	释放气象气球 Ascent of MET balloon

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	GND	气球直径 Diameter of balloon: 1.5m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1315,2315-0115(next day)
位于 N2459 E09830，范围： At N2459 E09830, range:	36 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.5m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1315,2315-0115(next day)
位于 N293614 E1062414，范围： At N293614 E1062414, range:	35 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.6m 重量 Weight: ----- 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115-1240,1715-1840,2315-0040(next day)
位于 N3426 E10858，范围： At N3426 E10858, range:	30 000 — — —	释放气象气球 Ascent of MET balloon

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	GND	气球直径 Diameter of balloon: 1.2m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115,1715,2315
位于 N3634 E10926，范围： At N3634 E10926, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.2m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115,2315
位于 N3304 E10702，范围： At N3304 E10702, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.2m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1115,2315
位于 N3241 E10902，范围： At N3241 E10902, range:	30 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.2m 重量 Weight: 750g 颜色 Colour: White

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		上升率 Rate of climb: 400m/min 每日 Daily: 1115,2315
位于 N2938 E09103，范围： At N2938 E09103, range:	32 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily: 1800-2000
位于 N2940 E09108，范围： At N2940 E09108, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N3129 E09204，范围： At N3129 E09204, range:	34 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 1600g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min

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		每日 Daily: 2315-0045(next day),1115-1245
位于 N2940 E09420，范围： At N2940 E09420, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N2838 E08705，范围： At N2838 E08705, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N3055 E08842，范围： At N3055 E08842, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White

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		上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N3109 E09710，范围： At N3109 E09710, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N3218 E08403，范围： At N3218 E08403, range:	29 000 — — — GND	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 2.0m 重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 300-400m/min 每日 Daily: 2315-0045(next day),1115-1245
位于 N1650 E11220，范围：100km At N1650 E11220, range:100km	35 000 — — — SFC	释放气象气球 Ascent of MET balloon 气球直径 Diameter of balloon: 1.2-2.0m

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		重量 Weight: 750g 颜色 Colour: White 上升率 Rate of climb: 400m/min 每日 Daily:0515-0800,1115-1400,1715-2000,2315-0200(next day)

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ENR5.3.2 其他潜在危险

(待补充)

ENR5.3.2 Other potential hazards

(to be developed.)

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ENR5.4
航行障碍物——航路
Air navigation obstacles—en-route

(待补充) (to be developed.)

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ENR5.5
航空运动和娱乐活动
Aerial sporting and recreational activities

在中华人民共和国境内从事航空运动和航空俱乐部活动的任何单位和个人应当遵守《中华人民共和国民用航空法》、《中华人民共和国飞行基本规则》、《通用航空飞行管制条例》、《通用航空飞行任务审批与管理规定》、《无人驾驶航空器飞行管理暂行条例》等有关法律法规规定。在民航管制空域范围内实施航空运动和航空俱乐部活动的，其飞行计划受理与审批、运行管理、服务保障等活动，还应参照《民航空管系统通用航空运行管理办法》、《通用航空空管运行规定》等。

Any organization or individual engaged in aviation sports and aviation club activities within the territory of the People's Republic of China shall comply with relevant laws and regulations, including the *Civil Aviation Law of the People's Republic of China*, *Basic Flight Rules of the People's Republic of China*, *General Aviation Flight Control Regulations*, *Regulations on Approval and Management of General Aviation Flight Missions* and *Provisional Regulations on the Management of Unmanned Aerial Vehicle Flight*. When conducting aviation sports and aviation club activities within civil aviation control airspace, activities such as flight plan acceptance and approval, operational management, and service support shall also be carried out in accordance with the *General Aviation Operation Management Measures of Air Traffic Management System in civil aviation* and *General Aviation Air Traffic Control Operation Regulations*.

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ENR5.6
鸟类迁徙和敏感动物区
Bird migration and areas with sensitive fauna

(待补充) (to be developed.)

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ENR6
航路图
EN-ROUTE CHARTS

ENR6.1
航路图列表
List of EN-ROUTE charts

航路图 ENRC	**ENRC.**
区域图 ARC 北京、广州和珠海、上海和杭州	**ARC- BEIJING, GUANGZHOU AND ZHUHAI, SHANGHAI AND HANGZHOU.**

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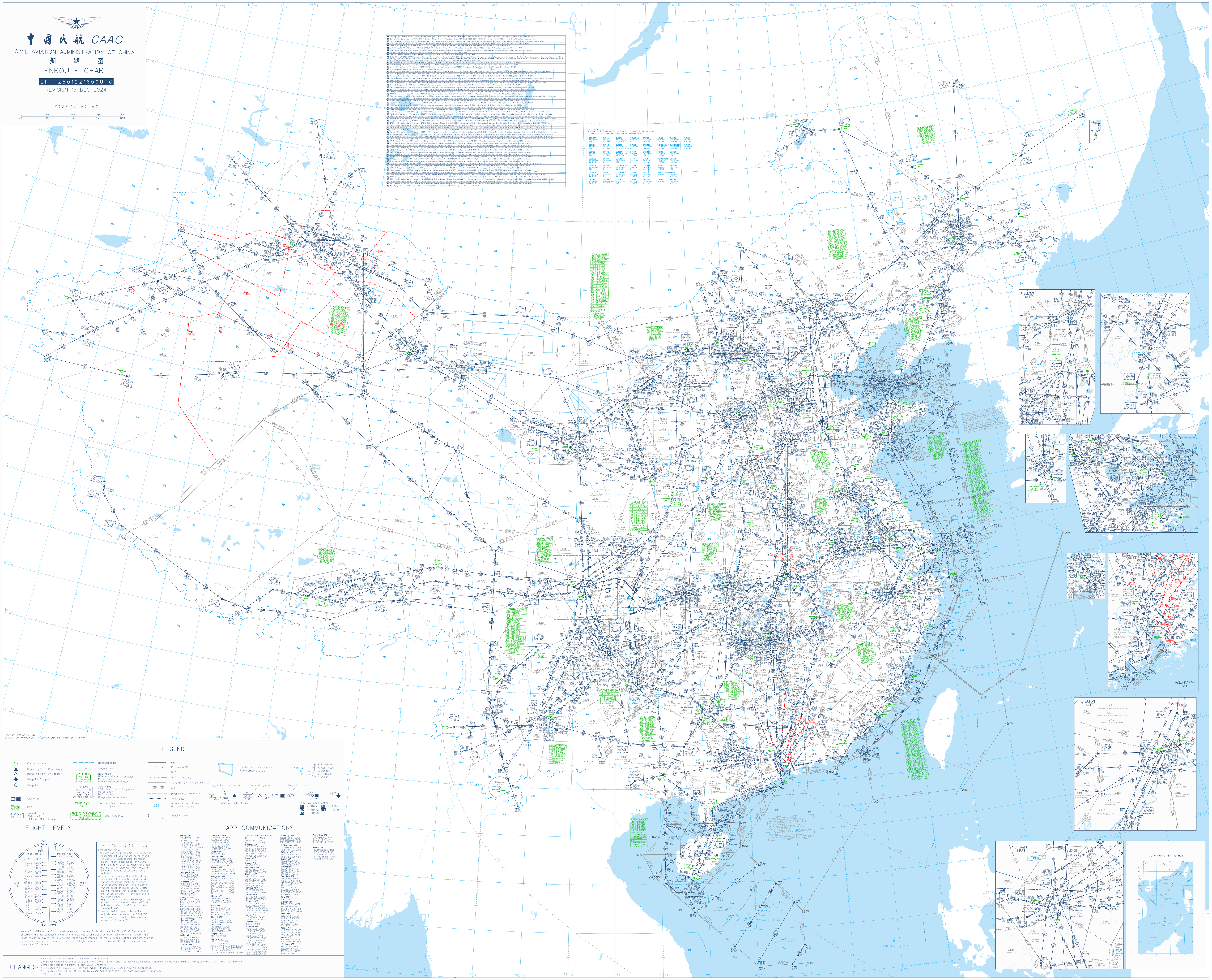

中国民航 CAAC

CIVIL AVIATION ADMINISTRATION OF CHINA

航 路 图

ENROUTE CHART

EFF 2501221600UTC

REVISION 15 DEC 2024

SCALE 1:3 000 000

ISOGONIC INFORMATION 2020

LAMBERT CONFORMAL CONIC PROJECTION Standard Parallels 24° and 40°

LEGEND

- Civil aerodrome
- Reporting Point: Compulsory
- Reporting Point: on request
- Waypoint: Compulsory
- Waypoint
- VOR/DME
- NDB
- 053°/233° 55 2404 — Magnetic track, Distance in km, Minimum flight altitude
- National border
- Isogonic line
- WEINING 285 HX N26 51.6 E104 16.9 — NDB name, NDB Identification frequency, Morse code, Geographical coordinates
- HOTAN 113.1 HTN CH 78X N37 02.2 E079 52.3 — VOR name, VOR Identification frequency, Morse code, DME channel, Geographical coordinates
- BEIJING/Capital 36 — City name/Aerodrome name, Elevation
- GUILIN CONTROL 123.75 (133.6) — ATC Frequency
- FIR
- Provisional FIR
- CTA
- Radio frequency sector
- TMA, APP or TWR control area
- ADIZ
- Diversionary procedure
- VFR route
- 135 — Area minimum altitude (in tens of meters)
- Holding pattern
- Restricted airspace or Fuel dumping area
- ZS(R)534 GND-12000m 2100-1600 — (P) Prohibited, (R) Restricted, (D) Danger, Vertical limits, Hr of opn
- Segment distance in km; Route designator; Magnetic track; Minimum flight altitude
- PBN NAV specification: R1 - RNAV1, R2 - RNAV2, R5 - RNAV5, P4 - RNP4, P10 - RNP10

FLIGHT LEVELS

359°T 0°T / 180°T 179°T

Feet	Meters	Meters	Feet
43000	13100	13700	44900
40100	12200	12500	41100
38100	11600	11900	39100
36100	11000	11300	37100
34100	10400	10700	35100
32100	9800	10100	33100
30100	9200	9500	31100
27600	8400	8900	29100
25600	7800	8100	26600
23600	7200	7500	24600
21700	6600	6900	22600
19700	6000	6300	20700
17700	5400	5700	18700
15700	4800	5100	16700
13800	4200	4500	14800
11800	3600	3900	12800
9800	3000	3300	10800
7900	2400	2700	8900
5900	1800	2100	6900
3900	1200	1500	4900
2000	600	900	3000

Note: ATC will issue the Flight Level clearance in meters. Pilots shall use the China FLAS Diagram to determine the corresponding flight level in feet. The aircraft shall be flown using the flight level in FEET. Pilots should be aware that due to the rounding differences, the metric readout of the onboard avionics will not necessarily correspond to the cleared Flight Level in meters however the difference will never be more than 30 meters.

ALTIMETER SETTING

Enroute: Use QNE.

Take-off and climb: Use QNH until reaching transition altitude (where established); or use QFE until reaching transition height (where established) or 600m. High elevation airports where QFE can not be set on altimeter: Use QNE(with indicated altitude as assumed zero altitude).

Approach and landing: Use QNH (where transition altitude established) or QFE (where transition height established) when passing through transition level (where established) or use QFE after having crossed TMA boundary or if so instructed by ATC if transition level is not established.

High elevation airports where QFE can not be set on altimeter: Use QNE(with altitude notified by ATC as assumed zero altitude).

Transition height/level or Transition altitude/level are shown on STAR/SID and approach chart, and/or may be requested from ATC.

APP COMMUNICATIONS

Beijing APP
126.1(125.05) AP01
119.0(125.05) AP02
120.2(125.05) AP03
126.5(119.625) AP05
119.925(119.625) AP06
120.0(119.625) AP07
121.1(127.75) AP09
129.0(127.75) AP10
119.7(127.75) AP11
119.85(119.425) AP12
121.25(119.425) AP13
126.3(119.425) AP14
125.8(119.425) AP15
124.4(127.75) AP16
120.6(127.75) AP17
125.5(119.425) AP18

Changchun APP
119.45(127.9) AP01
125.25(127.9) AP02
120.2(127.9) AP03

Changsha APP
119.65(120.6) AP01
125.65(125.05) AP02
124.6(125.05) AP03
124.025(120.6) AP04

Changzhou APP
120.600(125.150)

Chengdu APP
124.85(127.7) AP01
120.375(127.7) AP02
119.7(127.7) AP03
121.35(125.25) AP04
121.025(125.25) AP05
126.35(125.25) AP06
119.425(123.825) AP07
119.25(123.825) AP08
124.75(123.825) AP09

Chongqing APP
125.2(119.55) AP01
120.85(119.55) AP02
119.1(119.55) AP03
127.925(124.2) AP04
120.45(124.2) AP05
120.025(124.2) AP06

Dalian APP
123.85(127.95) AP01
119.6(127.95) AP02
121.05(127.95) AP03

Fuzhou APP
125.175(133.05) AP01
124.85(133.05) AP02
127.925(133.05) AP03

Guangzhou APP
126.55(127.75) AP01
119.7(127.75) AP02
126.35(119.6) AP03
121.05(124.2) AP04
120.4(124.2) AP05
121.175(127.75) AP06

Guilin APP
120.85(124.65)

Guiyang APP
120.075(119.45) AP01
126.05(119.45) AP02
119.025(119.725) AP03
119.15(119.725) AP04

Haikou APP
119.15(120.225) AP01
119.975(120.225) AP02
124.675(120.225) AP03

Hangzhou APP
120.05(124.65) AP01
125.55(119.15) AP02
126.05(125.275) AP03
120.4 (119.15) AP04
119.425(125.275) AP05
NIL AP06
127.7(124.65) AP07
NIL AP08

Harbin APP
119.65(127.75) AP01
119.05(127.75) AP02
120.65(127.75) AP03

Hefei APP
119.85(119.025) AP01
120.45(121.05) AP02
124.45(121.05) AP03
120.875(121.05) AP04

Hohhot APP
124.85(119.075) AP01
123.85(119.075) AP02

Jinan APP
119.05(121.4) AP01
119.225(121.4) AP02
124.475(121.4) AP03

Jinjiang APP
119.175(120.025)

Kunming APP
119.0(125.55) AP01
123.8(125.55) AP02
120.35(127.9) AP03(RWY03/04)
124.25(127.9) AP03(RWY21/22)
121.15(126.55) AP04
124.25(127.9) AP05(RWY03/04)
120.35(127.9) AP05(RWY21/22)
NIL AP06
119.225(NIL) AP07
NIL AP08

Lanzhou APP
120.25(127.9) AP01
119.15(125.025) AP02
124.2(125.025) AP03
119.45(127.9) AP04
119.825(125.025) AP05

Lhasa APP
119.0(120.2)

Lijiang APP
119.05(120.325)

Nanchang APP
119.95(123.85) AP01
119.075(123.85) AP02

Nanjing APP
119.25(120.35) AP01
126.55(120.35) AP02
119.675(120.35) AP03
121.30(119.525) AP04
119.9(120.35) AP05

Nanning APP
121.25(119.85) AP01
119.075(119.85) AP02

Ningbo APP
125.45(119.55) AP01
119.825(119.55) AP02

Qingdao APP
119.40(124.60) AP01
121.15(124.60) AP02
119.775(124.60) AP03
119.475(124.225) AP04
120.25(124.225) AP05

Sanya APP
127.925(119.25) AP01
125.55(119.25) AP02

Shantou APP
120.65(123.05)

Shanghai APP
120.3(119.75) AP01
125.4(124.05) AP02
125.85(119.2) AP03
123.8(119.2) AP04
126.65(128.05) AP05
126.3(120.65) AP06
121.1(119.75) AP07
127.75(124.05) AP08
121.375(128.05) AP09
125.625(120.65) AP10
119.075(128.05) AP11
119.975(120.65) AP12

Shenyang APP
125.55(126.55) AP01
119.825(126.55) AP02
121.225(126.55) AP03

Shijiazhuang APP
120.45(124.75) AP01
119.125(124.75) AP02

Taiyuan APP
119.2(125.55) AP01
119.55(125.55) AP02

Tianjin APP
127.9(120.9) AP01
125.25(120.9) AP02
119.275(120.9) AP03

Urumqi APP
120.25(119.9) AP01
126.05(119.9) AP02
123.8(119.9) AP03
127.9(119.9) AP04

Wenzhou APP
119.625(132.15) AP01
120.25(132.15) AP02
127.975(132.15) AP03

Wuhan APP
121.2(119.15) AP01
126.3(125.6) AP02
119.575(119.15) AP03
120.8(121.2) AP04

Wuxi APP
119.45(124.4)

Xiamen APP
121.35(119.05) AP01
120.2(119.05) AP02
123.825(119.85) AP03
125.025(119.85) AP04

Xi'an APP
125.1(126.55) AP01
119.05(123.85) AP02
119.6(126.55) AP03
119.9(121.4) AP04
120.2(121.4) AP05

Xining APP
119.875(119.625) AP01
119.875(119.625) AP02
119.2(119.625) AP03

Yantai APP
119.15(120.85) AP01
119.875(120.85) AP02

Yinchuan APP
124.05(119.1) AP01
125.6(119.1) AP02
126.075(119.1) AP03
119.4(119.1) AP04

Zhengzhou APP
120.275(124.2) AP01
126.35(124.2) AP02
124.825(124.2) AP03

Zhuhai TMA
120.35(125.525) TM01
119.55(119.775) TM02
123.85(119.775) TM03
119.025(119.775) TM04
127.95(119.775) TM05

CHANGES:

ZWWWAR10/11/12 established, ZWWWAR01-09 adjusted.
Compulsory reporting points SAKLU, BOVMA, UPRIK, TEPIT, PONUD established.On request reporting points IGBIS, PEBGO, UPMIP, DOPKU, ATKAV, ATLUT established.
Compulsory Reporting Points SANIP, BILAT withdrawn.
ATS routes W44 MABAG-OLPAB, W515, W516 withdrawn.ATS Routes W26,W41 established.
ATS routes A461,B215,G470,G471,R343,V5,W18,W19,W20,W22,W24,W37,W45,W56,W187 adjusted.
ZYHB ELEV adjusted.

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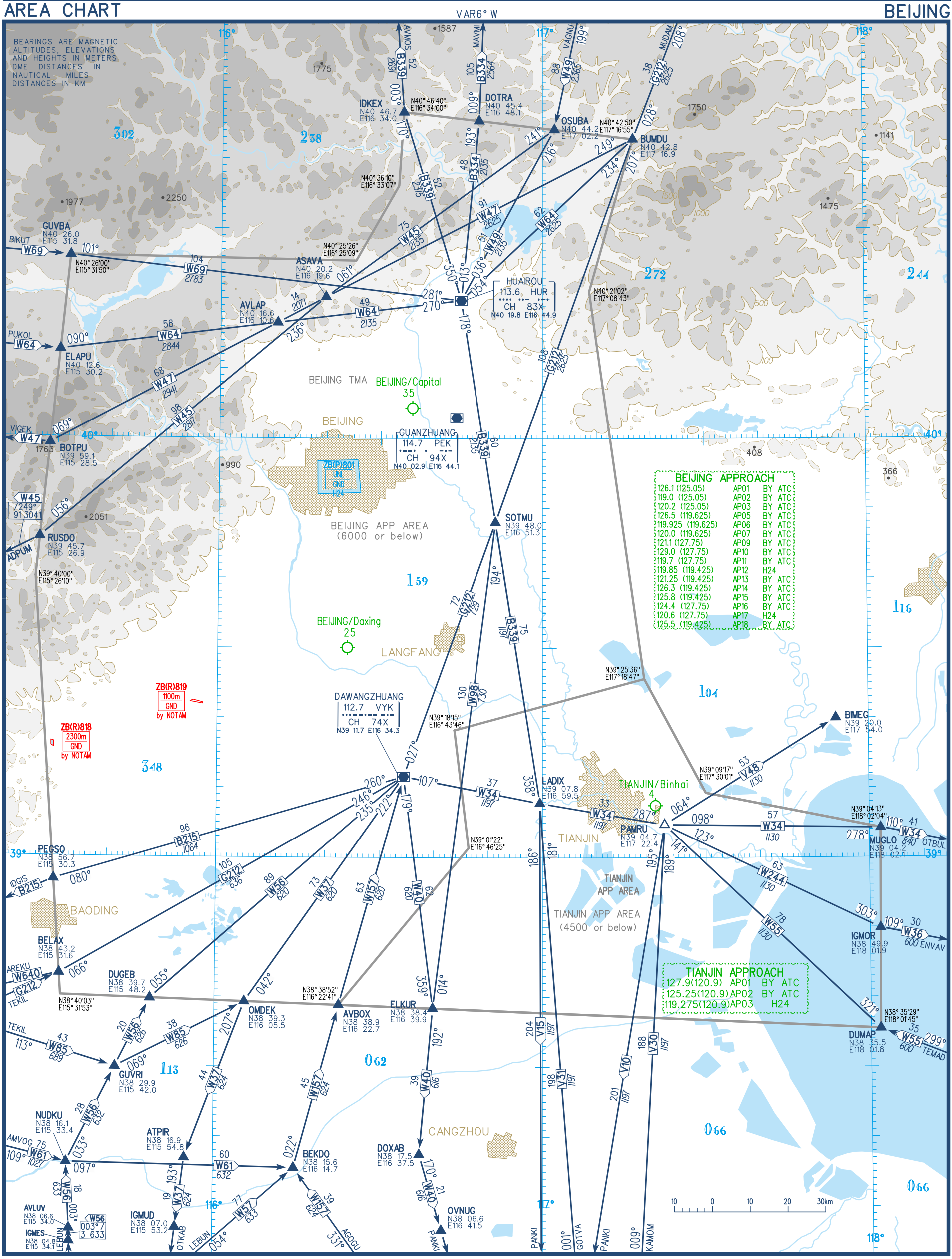
AREA CHART

BEIJING



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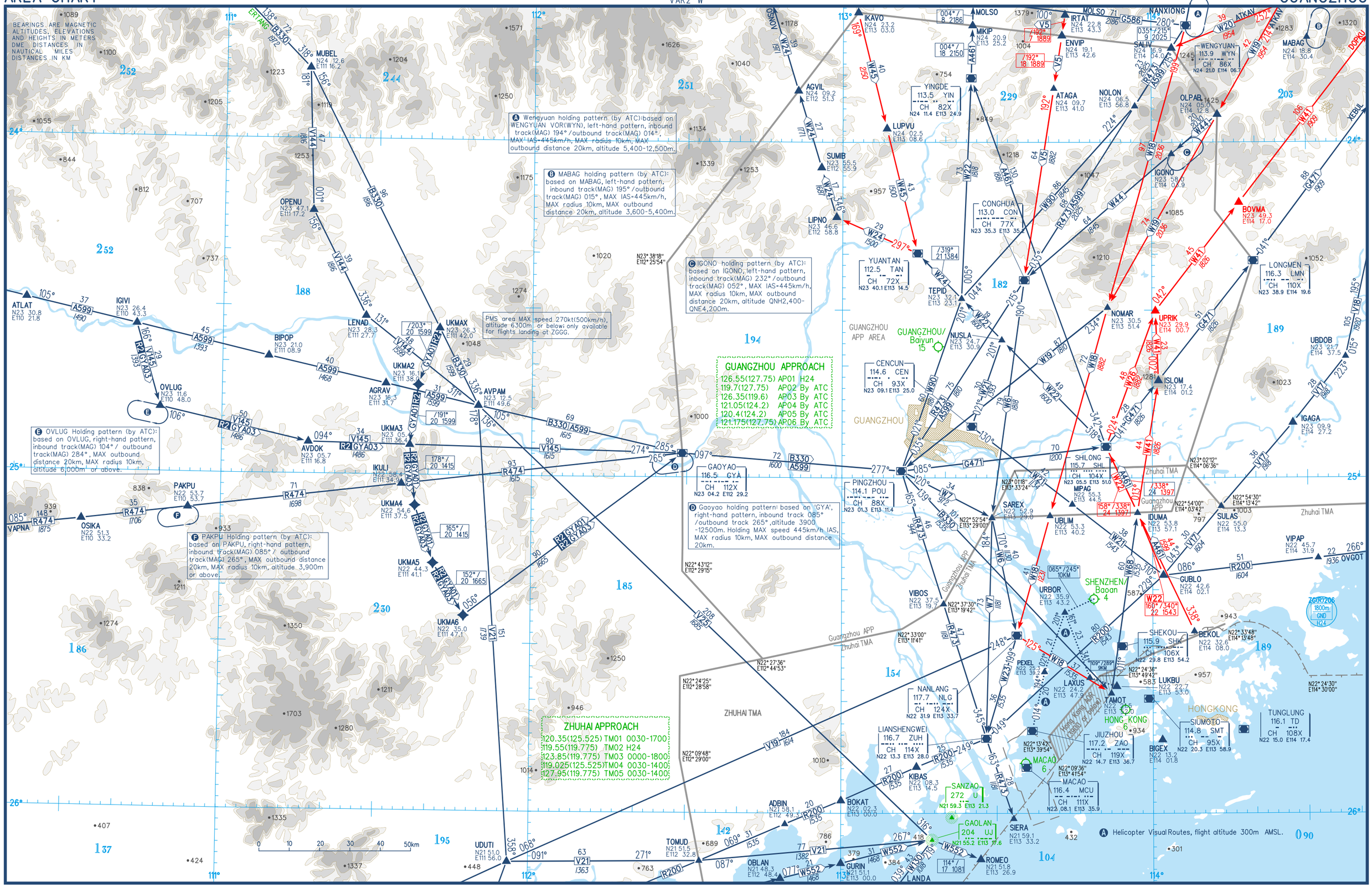
AREA CHART

GUANGZHOU



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AREA CHART

SHANGHAI

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