ZYQQ AD 2.1 机场地名代码和名称 Aerodrome location indicator(ICAO / IATA) and name

ZYQQ/NDG-齐齐哈尔/三家子 QIQIHAR/Sanjiazi

ZYQQ AD 2.2 机场地理位置和管理资料 Aerodrome geographical and administrative data

1	机场基准点坐标及其在机场的位置 ARP coordinates and site at AD	N47°14.3′ E123°55.0′ Center of RWY17L/35R
2	机场基准点与城市的位置关系 Direction and distance from city	206° GEO, 13km from the railway station
3	机场标高、基准温度、低温均值 ELEV/Reference temperature/Mean low temperature	147.1 m/29.0°C(JUL)/-22.1°C(JAN)
4	机场标高位置的大地水准面波幅 Geoid undulation at AD ELEV PSN	-
5	磁差（测量年份）及年变率 VAR(Year)/Annual change	11°22′W(2021)/-
6	机场管理部门、地址、电话、传真、AFS 地址、电子邮箱、网址 AD administration/Address/Telephone/Telefax/ AFS/ E-mail/Website	Qiqihar Airport Branch,Heilongjiang Province Airport Groups Co., Ltd. Qiqihar/Sanjiazi Airport, Longsha District, Qiqihar 161016, Heilongjiang province, China TEL:86-452-2393705 FAX:86-452-2393700 AFS:ZYQQZPZX
7	允许飞行种类 Types of traffic permitted(IFR/VFR)	IFR-VFR
8	机场性质/飞行区指标 Military or civil airport/Reference code	CIVIL/4C
9	备注 Remarks	Nil

ZYQQ AD 2.3 工作时间 Operational hours

1	机场开放时间 AD Operational hours	HS or O/R
2	海关和移民 Customs and immigration	HS or O/R
3	卫生健康部门 Health and sanitation	HS or O/R
4	航空情报服务讲解室 AIS Briefing Office	HS or O/R
5	空中交通服务报告室 ATS Reporting Office	HS or O/R

6	气象服务讲解室 MET Briefing Office	HS or O/R
7	空中交通服务 Air Traffic Service	HS or O/R
8	加油服务 Fuelling	HS or O/R
9	地勤服务 Handling	HS or O/R
10	安保服务 Security	HS or O/R
11	除冰服务 De-icing	HS or O/R
12	备注 Remarks	Nil

ZYQQ AD 2.4 地勤服务和设施 Handling services and facilities

1	货物装卸设施 Cargo-handling facilities	Baggage transporters, towing vehicle, luggage bucket
2	燃油牌号 Fuel types	Jet Fuel No.3
3	滑油牌号 Oil types	Nil
4	加油设施/能力 Fuelling facilities & Capacity	Refueling trucks: 13L/s
5	除冰设施 De-icing facilities	De-icer
6	过站航空器机库 Hangar space for visiting aircraft	Nil
7	过站航空器的维修设施 Repair facilities for visiting aircraft	Line maintenance available for various types of aircraft on request. Spare parts and other maintenance work by prior arrangement.
8	备注 Remarks	power supply unit, ground air supply unit

ZYQQ AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	In the city
2	餐饮 Restaurants	In the city
3	交通工具 Transportation	Passenger’s coaches, taxis

4	医疗设施 Medical facilities	Hospitals in the city
5	银行和邮局 Bank and Post Office	At AD
6	旅行社 Tourist Office	In the city TEL: 0452-2407638
7	备注 Remarks	Nil

ZYQQ AD 2.6 援救与消防服务 Rescue and fire fighting services

1	机场消防等级 AD category for fire fighting	CAT 6
2	援救设备 Rescue equipment	Fire fighting facilities:fire tenders; Rescue equipment: ambulance
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to A321 or B737-800 Removal facilities: traction hanging device, moving surface, steel plate, crosstie
4	备注 Remarks	Nil

ZYQQ AD 2.7 可用季节- 扫雪 Seasonal availability-clearing

1	可用季节及扫雪设备类型 Seasonal availability/Types of clearing equipment	All seasons small multifunctional/medium snow ploughs, throwing snow machine
2	扫雪顺序 Clearance priorities	RWY, TWY, Apron
3	备注 Remarks	Nil

ZYQQ AD 2.8 停机坪、滑行道及校正位置数据 Aprons, taxiways and check locations data

1	停机坪道面和强度 Apron surface and strength	道面 Surface	CONC
		强度 Strength	PCR 670/R/A/W/T
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	30m
		道面 Surface	CONC
		强度 Strength	PCR 850/R/A/W/T
3	高度表校正点的位置及	Nil	

	其标高 ACL location and elevation	
4	VOR 校正点 VOR checkpoints	Nil
5	INS 校正点 INS checkpoints	Nil
6	备注 Remarks	Nil

ZYQQ AD 2.9 地面活动引导和管制系统与标识
Surface movement guidance and control system and markings

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersections of TWY and RWY. Aircraft stand identification sign boards at all stands. Guide lines at TWYs. Guide lines at aprons. Marshalling assistance for all aircraft stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	跑道标志 RWY markings	THR, RWY designation, edge line, RWY center line, TDZ, aiming point, Center circle
		跑道灯光 RWY lights	RTHL, WBAR, REDL, RCLL(17R, 35L), RENL
		滑行道标志 TWY markings	Edge line, center line, enhanced TWY center line, RWY holding position, runway turn pad
		滑行道灯光 TWY lights	Edge line lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	Runway guard lights	
4	其它跑道保护措施 Other runway protection measures	Nil	
5	备注 Remarks	Taxiing guidance signs at all intersections of TWY and APRON	

ZYQQ AD 2.10 机场障碍物 Aerodrome obstacles

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
1	2	3	4	5	6
STACK 001	STACK	002/8133	(81.8)		
Antenna 002	Antenna	003/4102	(39.5)		
Antenna 003	Antenna	004/6095	(57.7)		
Pole 004	Pole	006/9054	(123.8)		RWY17R/35L Circling CAT D
Antenna 005	Antenna	007/3620	(42.6)		
Antenna 006	Antenna	007/4762	(55.4)		
TOWER 007	TOWER	007/8145	(110.1)		
STACK 008	STACK	008/2221	(23.1)		
Antenna 009	Antenna	010/4662	(49.2)		
Control TWR 010	Control TWR	011/1293	(22.4)		
Antenna 011	Antenna	014/4251	(53.9)		
STACK 012	STACK	015/1328	(28.1)		
Antenna 013	Antenna	015/5490	(66.9)		
TV TWR 014	TV TWR	018/10629	(181.3)	RED	
TOWER 015	TOWER	019/10629	(183.1)		

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
BLDG 016	BLDG	027/5541	(85.9)	RED	
BLDG 017	BLDG	027/5542	(77.6)	RED	
BLDG 018	BLDG	029/5112	(73.3)	RED	
BLDG 019	BLDG	032/5182	(81.7)	RED	
BLDG 020	BLDG	033/5159	(82)	RED	
BLDG 021	BLDG	035/4864	(70.3)	RED	
BLDG 022	BLDG	036/4878	(76.6)	RED	
Antenna 023	Antenna	067/3016	(22.2)		
WATER_TOWER 024	WATER_TOWER	080/4398	(30.7)		
Antenna 025	Antenna	168/5268	(29.4)	RED	
Antenna 026	Antenna	168/11772	(69.5)	RED	
Antenna 027	Antenna	169/2309	(10.4)		
Pole 028	Pole	169/5301	(28.6)		
Antenna 029	Antenna	169/11772	(69.6)		
Antenna 030	Antenna	174/6381	(47.3)		
Control TWR 031	Control TWR	175/838	(13.9)		

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
Antenna 032	Antenna	184/4363	(26.5)		RWY17R Take-off path
Antenna 033	Antenna	189/3093	(13.6)		RWY17R Departure
Antenna 034	Antenna	191/4966	(42.5)		
Trees 035	Trees	195/3328	(11.1)		RWY17R Take-off path
STACK 036	STACK	221/6656	(120)		RWY17R/35L Circling CAT B/C
BLDG 037	BLDG	227/1263	(5.4)		
Antenna 038	Antenna	259/2693	(47.4)		RWY17R/35L Circling CAT A
Antenna 039	Antenna	262/875	(35.9)		
BLDG 040	BLDG	280/298	(31.4)		
Antenna 041	Antenna	281/320	(28.5)		
Trees 042	Trees	295/1948	(16.7)		RWY35L Departure
Pole 043	Pole	299/1537	(9.4)		RWY35L Take-off path
Antenna 044	Antenna	302/1690	(14.4)		RWY17R ILS/DME final approach (A/B/C/D)
Antenna 045	Antenna	303/1662	(14.5)		RWY35L Take-off path
Trees 046	Trees	314/2223	(23.8)		RWY35L Take-off path
WATER_TOWER 047	WATER_TOWER	320/2546	(35.8)		

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类 型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志，灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
STACK 048	STACK	322/2296	(25.7)		
WATER_TOWER 049	WATER_T OWER	322/2548	(35.1)		RWY35L Departure; RWY35L Take-off path
Antenna 050	Antenna	327/3984	(46.1)		RWY17R ILS/DME GP INOP final approach
Trees 051	Trees	336/979	(15.8)		
BLDG 052	BLDG	339/867	(2)		
Control TWR 053	Control TWR	341/1040	(13.9)		
Antenna 054	Antenna	347/7345	(35.4)		
Pole 055	Pole	349/7360	(34.3)		
Trees 056	Trees	351/1980	(14.4)		
BLDG 057	BLDG	352/1342	(1.2)		
Pole 058	Pole	354/1070	(3.5)		
Trees 059	Trees	354/1945	(14.7)		RWY35R Take-off path
BLDG 060	BLDG	355/1008	(2.2)		
NAVAID 061	NAVAID	355/1011	(8.7)		
Antenna 062	Antenna	359/7977	(54.7)		

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)
Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志、灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 063	MT	019/39500	169		
STACK 064	STACK	044/18429	388		Sector
Antenna 065	Antenna	181/17207	210		
MT 066	MT	287/44041	253		
MT 067	MT	288/44000	237		
MT 068	MT	300/40000	179		
Antenna 069	Antenna	334/15016	206		
Antenna 070	Antenna	339/15484	206		
Antenna 071	Antenna	351/18433	219		
Remarks:					

ZYQQ AD 2.11 提供的气象情报、气象观测和报告
Meteorological information provided & meteorological observations and reports

提供的气象情报 Meteorological information provided		
1	相关气象台的名称 Associated MET Office	Qiqihar MET Office
2	气象服务时间、服务时间以外的责任气象台 Hours of service/MET Office outside hours	HS
3	负责编发 TAF 的气象台、有效时段、发布间隔 Office responsible for TAF preparation/Periods of validity/Interval of issuance	Qiqihar MET Office;9h
4	趋势预报及发布间隔 Trend forecast/Interval of issuance	trend 1h
5	所提供的讲解或咨询服务	Briefing provided: P

	Briefing/Consultation provided	
6	飞行文件及其使用语言 Flight documentation/Language(s) used	Chart，international MET codes, abbreviated plain language text;Ch,En
7	讲解或咨询服务时可利用的图表和其它信息 Charts and other information available for briefing or consultation	Briefing provided: Synoptic charts, significant weather charts, upper W/T charts
8	提供气象情报的辅助设备 Supplementary equipment available for providing information	FAX
9	提供气象情报的空中交通服务单位 ATS units provided with information	TWR
10	其他信息 Additional information	Nil
气象观测和报告 Meteorological observations and reports		
1	机场观测类型与频率、自动观测设备 Type & frequency of observation /Automatic observation equipment	Hourly plus special observation/Yes
2	气象报告类型及所包含的补充资料 Type of MET Report/Supplementary information included	METAR, SPECI
3	观测系统及安装位置 Observation system/Site(s)	RVR EQPT A: 110m E of RCL, 310m inward THR17L; B: 120m E of RCL, 1250m inward THR17L; C: 120m E of RCL, 340m inward THR35R; D: 115m W of RCL, 350m inward THR17R; E: 115m W of RCL, 1500m inward THR35L; F: 115m W of RCL, 310m inward THR35L; 17L: 120m E of RCL, 310m inward THR17L; RWY17L/35R center: 120m E of RCL,1290m inward THR17L; 35R: 120m E of RCL, 300m inward THR35R; RWY17R/35L center: 115m W of RCL,1510m inward THR35L; Ceilometer 17L: 31m E of RCL, 1010m outward THR17L; 35R: 8m E of RCL,1053m outward THR35R; 17R: on the extension of RCL, 950m outward THR17R; 35L: on the extension of RCL, 950m outward THR35L.
4	观测系统的工作时间 Hours of operation for meteorological observation system	H24
5	气候资料	Climatological tables AVBL

	Climatological information	
6	其他信息 Additional information	Nil

ZYQQ AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 RWY Designator	真方位和磁方位 TRUE & MAG BRG	跑道长宽 Dimensions of RWY(m)	跑道强度、跑道和停止道道面 RWY strength/ Surface of RWY /SWY	跑道入口坐标、跑道末端坐标、跑道入口大地水准面波幅 THR coordinates & RWY end coordinates & THR geoid undulation	跑道入口标高和精密进近跑道接地带最高标高 THR elevation & highest elevation of TDZ of precision APP RWY	跑道和停止道坡度 Slope of RWY/SWY
1	2	3	4	5	6	7
17L	157.48° GEO 169° MAG	2600×45	PCR 740/R/A/W/T CONC/-	Nil	THR 145.3m	-0.04%
35R	337.48° GEO 349° MAG	2600×45	PCR 740/R/A/W/T CONC/-	Nil	THR 144.4m	0.04%
17R	157.48° GEO 169° MAG	3000×50	PCR 820/R/A/W/T CONC/-	Nil	THR 144.6m	0%(1500m)/0.17%(1500m)
35L	337.48° GEO 349° MAG	3000×50	PCR 820/R/A/W/T CONC/-	Nil	THR 147.1m	-0.17%(1500m)/0%(1500m)

跑道号码 RWY Designator	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	跑道端安全区长宽 RESA dimensions (m)	拦阻系统的位置及描述 Location& Description of arresting system	无障碍物区 OFZ
1	8	9	10	11	12	13
17L	Nil	Nil	2720×300	Nil	Nil	Nil
35R	Nil	Nil	2720×300	Nil	Nil	Nil
17R	Nil	Nil	3120×280	240×180	Nil	Nil
35L	Nil	Nil	3120×280	240×180	Nil	Nil
Remarks: Distance BTN RCL of RWY17L/35R and RWY17R/35L is 1310, THR17R is 800m south of THR17L.						

ZYQQ AD 2.13 公布距离 Declared distances

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
1	2	3	4	5	6
17L	2600	2600	2600	2600	Nil

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
35R	2600	2600	2600	2600	Nil
17R	3000	3000	3000	3000	Nil
35L	3000	3000	3000	3000	Nil

ZYQQ AD 2.14 进近和跑道灯光 Approach and runway lighting

跑道号码 RWY Designator	进近灯类型、长度、强度 APCH LGT type/ LEN/ /INTST	入口灯颜色、翼排灯 THR LGT colour/ WBAR	目视进近坡度指示系统类型、位置、仰角、跑道入口最低眼高 Type of VASIS/Position /Angle/MEHT	接地带灯长度 TDZ LGT LEN	跑道中线灯长度、间隔、颜色、强度 RWY center line LGT LEN/Spacing /Colour/INTST	跑道边灯长度、间隔、颜色、强度 RWY edge LGT LEN/Spacing /Colour/INTST	跑道末端灯颜色 RWY end LGT colour	停止道灯长度、颜色 SWY LGT LEN /Colour
1	2	3	4	5	6	7	8	9
17L	SALS 420 m LIM	GREEN Yes	PAPI RIGHT 340m inward THR17L 3.2°	Nil	Nil	2600 m spacing 60m 0-2000m, WHITE 2000-2600m, YELLOW VRB LIH	RED	Nil
35R	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 300m inward THR35R 3°	Nil	Nil	2600 m spacing 60m 0-2000m, WHITE 2000-2600m, YELLOW VRB LIH	RED	Nil
17R	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI RIGHT 360m inward THR17R 3° 17.3m	Nil	3000 m spacing 30m 0-2100m, WHITE 2100-2700m, RED/WHITE 2700-3000m, RED VRB LIH	3000 m spacing 60m 0-2400m, WHITE 2400-3000m, YELLOW VRB LIH	RED	Nil
35L	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 360m inward THR35L 3° 15.8m	Nil	3000 m spacing 30m 0-2100m, WHITE 2100-2700m, RED/WHITE 2700-3000m, RED VRB LIH	3000 m spacing 60m 0-2400m, WHITE 2400-3000m, YELLOW VRB LIH	RED	Nil

跑道号码 RWY Designator	进近灯类型、长度、强度 APCH LGT type/ LEN/ /INTST	入口灯颜色、翼排灯 THR LGT colour/ WBAR	目视进近坡度指示系统类型、位置、仰角、跑道入口最低眼高 Type of VASIS/Position /Angle/MEHT	接地带灯长度 TDZ LGT LEN	跑道中线灯长度、间隔、颜色、强度 RWY center line LGT LEN/Spacing /Colour/INTST	跑道边灯长度、间隔、颜色、强度 RWY edge LGT LEN/Spacing /Colour/INTST	跑道末端灯颜色 RWY end LGT colour	停止道灯长度、颜色 SWY LGT LEN /Colour
Remarks:								

ZYQQ AD 2.15 其它灯光,备份电源 Other lighting, secondary power supply

1	机场灯标或识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向标和风向标位置和灯光 LDI/ WDI location and LGT	WDI: 17R:75m W of RCL, 360m inward THR17R, LGTD; 35L:75m W of RCL, 360m inward THR35L, LGTD.
3	滑行道边灯和滑行道中线灯 TWY edge and center line lighting	All TWYs: blue edge line lights
4	备份电源及转换时间 Secondary power supply/Switch-over time	Secondary power supply available/ 15 sec
5	备注 Remarks	Nil

ZYQQ AD 2.16 直升机着陆区域 Helicopter landing area

1	TLOF 坐标或 FATO 入口坐标及大地水准面波幅 Coordinates TLOF or THR of FATO, Geoid undulation	Nil
2	TLOF 和（或）FATO 标高 TLOF and/or FATO elevation	Nil
3	TLOF 和 FATO 区域范围、道面、强度和标志 TLOF and FATO area dimensions,surface, strength, marking	Nil
4	FATO 的真方位和磁方位 True and MAG BRG of FATO	Nil
5	公布距离 Declared distance available	Nil
6	进近灯光和 FATO 灯光 APP and FATO lighting	Nil

7	备注 Remarks	Nil

ZYQQ AD 2.17 空中交通服务空域 ATS airspace

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Qiqihar tower control area	By ATC	By ATC				
Altimeter setting region and TL/TH	By ATC	TL 3600m TH (3000)m				

ZYQQ AD 2.18 空中交通服务通信设施 ATS communication facilities

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星话音通信号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
TWR	Qiqihaer Tower	130.0			HO	

ZYQQ AD 2.19 无线电导航和着陆设施 Radio navigation and landing aids

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR,Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作时间 Hours of operation	发射天线坐标及相对位置 Coordinates of transmitting antenna/ Position	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
1	2	3	4	5	6	7
Qiqihar VOR/DME	NDG	112.9 MHz CH 76X	H24	N47°14.7′ E123°55.2′ 035°MAG/511m FM RWY17L/35R center		

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR,Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作时间 Hours of operation	发射天线坐标及相对位置 Coordinates of transmitting antenna/ Position	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
LM 35R	L	366 kHz		N47°13.3′ E123°55.9′ 169° MAG FM RWY17L/35R center,1009m FM THR35R		U/S
LOC 17L ILS CAT I	IGF	110.7 MHz		168° MAG/1696m FM RWY17L/35R center		
GP 17L		330.2 MHz		355° MAG/1010m FM RWY17L/35R center		Angle 3.2° RDH 15m
DME 17L	IGF	CH 44X (110.7 MHz)		130m east of RCL, 298m inward THR17L	151m	Co-located with GP 17L
LO 35R	LJ	177 kHz		N47°11.8′ E123°56.8′ 168° MAG FM RWY17L/35R center, 3968m FM THR35R		U/S
LOC 17R ILS CAT I	IGF	110.7 MHz		169°MAG/1905m FM RWY17R/35L center		
GP 17R		330.2 MHz		343°MAG/1186m FM RWY17R/35L center		Angle 3° RDH 15m
DME 17R	IGF	CH 44X (110.7 MHz)		343° MAG/1186m FM RWY17R/35L center	153m	Co-located with GP 17R

ZYQQ AD 2.20 本场规定

1. 机场使用规定

1.1 本场仅供 B737-800 同类及以下机型使用。

1.2 所有飞行需事先申请，并得到空中交通管制部门批准后方可进行。

2. 跑道和滑行道的使用

ZYQQ AD 2.20 Local aerodrome regulations

1.Airport operations regulations

1.1 Maximum aircraft to be available: B737-800;

1.2 All flight shall be filed in advance and conducted only after clearance has been obtained from ATC.

2. Use of runways and taxiways

2.1 具体滑行路线以管制员指令为准。

2.2 机组应听从并复诵管制员的滑行指令，发现疑问及时证实。

3. 机坪和机位的使用

发动机试车需经塔台管制许可。

4. 低能见度运行

无

5. 直升机飞行限制，直升机停靠区

无

6. 警告

无

ZYQQ AD 2.21 减噪程序

无

ZYQQ AD 2.22 飞行程序

1. 总则

除经齐齐哈尔塔台特殊许可外，在齐齐哈尔塔台管制区内的飞行，必须按照仪表飞行规则进行。

2. 起落航线

C、D 类航空器：起落航线在跑道西侧进行，高（300）-（500）m； A、B 类航空器：起落航线为左起落航线，高（300）m。

3. 仪表飞行程序

3.1 严格按照航图中公布的进、离场程序飞行。如果需要，航空器可在空中交通管制部门指定的航路、导

2.1 Taxi route is subject to ATC's instruction.

2.2 Flight crew shall listen to the controller, repeat the taxiing instructions, and confirm problems timely.

3. Use of aprons and parking stands

Engine run-ups are subject to Tower Control clearance.

4. Low visibility operation

Nil

5. Helicopter operation restrictions and helicopter parking/docking area

Nil

6. Warning

Nil.

ZYQQ AD 2.21 Noise abatement procedures

Nil

ZYQQ AD 2.22 Flight procedures

1. General

All flights within Qiqihar Tower Control Area shall operate under IFR unless special clearance has been obtained from Qiqihar Tower Control.

2. Traffic circuits

For aircraft CAT C/D: Traffic circuits shall be made to the west of RWY, height (300)-(500)m; for aircraft CAT A/B: left-hand circuits, height (300)m.

3. IFR flight procedures

3.1 Strict adherence is required to the relevant arrival/departure procedures published in the

航台或定位点上空等待或做机动飞行。

aeronautical charts. Aircraft may, if necessary, hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.

3.2 低温修正程序

3.2 Cold temperature altitude correction procedure

3.2.1 齐齐哈尔三家子机场仪表飞行程序低温修正阈值为-126℃（按程序飞行使用），扇区最低安全高度低温修正阈值为-21℃（机动飞行使用）。

3.2.1 Cold temperature altitude correction threshold for the Instrument Flight Procedures (IFP) at QIQIHAR/Sanjiazi Aerodrome is -126°C (applicable to procedure flights), and the cold temperature altitude correction threshold for Minimum Sector Altitude (MSA) is -21°C (applicable to maneuvering flights).

3.2.2 在低于低温修正阈值时，管制员应及时提醒机组进行低温修正，合理配备航空器间隔，确保飞行运行安全。

3.2.2 When the temperature is below the cold temperature altitude correction threshold, ATC shall promptly remind the flight crews to perform cold temperature altitude correction procedure. Additionally, ATC shall adjust the separation reasonably to ensure flight operation safety.

3.2.3 航空器位于 FAF 之后至复飞航段或目视机动盘旋进近时，飞行机组自行决定是否执行低温修正。

3.2.3 Flight crews can make own decision if or not perform cold temperature altitude correction at final approach, missed approach, or Visual manoeuvring circling approach phases.

4. 雷达程序和/或 ADS-B 程序

4. Radar procedures and/or ADS-B procedures

无

Nil

5. 无线电通信失效程序

5. Radio communication failure procedures

参见 AIP GEN3.4.5 中的仪表飞行规则航空器地空双向无线电通信失效通用程序。

Refer to AIP GEN3.4.5 general procedures for aircraft under instrument flight rule with air-ground two-way radio communication failure.

6. 目视飞行程序

6. Procedures for VFR flights

无

7. 目视飞行航线

无

8. 其它规定

无

Nil

7. VFR route

Nil

8. Other regulations

Nil

ZYQQ AD 2.23 其它资料

鸟情资料

机场全年有鸟类活动，采取日常巡视和驱赶措施，减少鸟类危害。鸟类活动规律和特征如下表所示：

ZYQQ AD 2.23 Other information

Bird's information

Activities of bird flocks are found all the year round, Aerodrome Authority resorts to dispersal methods to reduce bird activities.

Type of bird	Time of activity	Flight height within AD	Area of activity
Chicken	All seasons	5-30m	Around the airport
Magpie	All seasons	5-60m	Around the airport
Crow	All seasons	5-100m	Around the airport
Sparrow, pigeon, long-eared owl	All seasons	10-80m	Around the airport
Swallow, tern	May-Oct.	10-100m	Around the airport
Falco tinnunculus	All seasons	10-100m	Around the airport
Buteo lagopus	All seasons	20-200m	Around the airport
Crane, Wild goose	Apr.-Oct.	300-500m	Around the airport

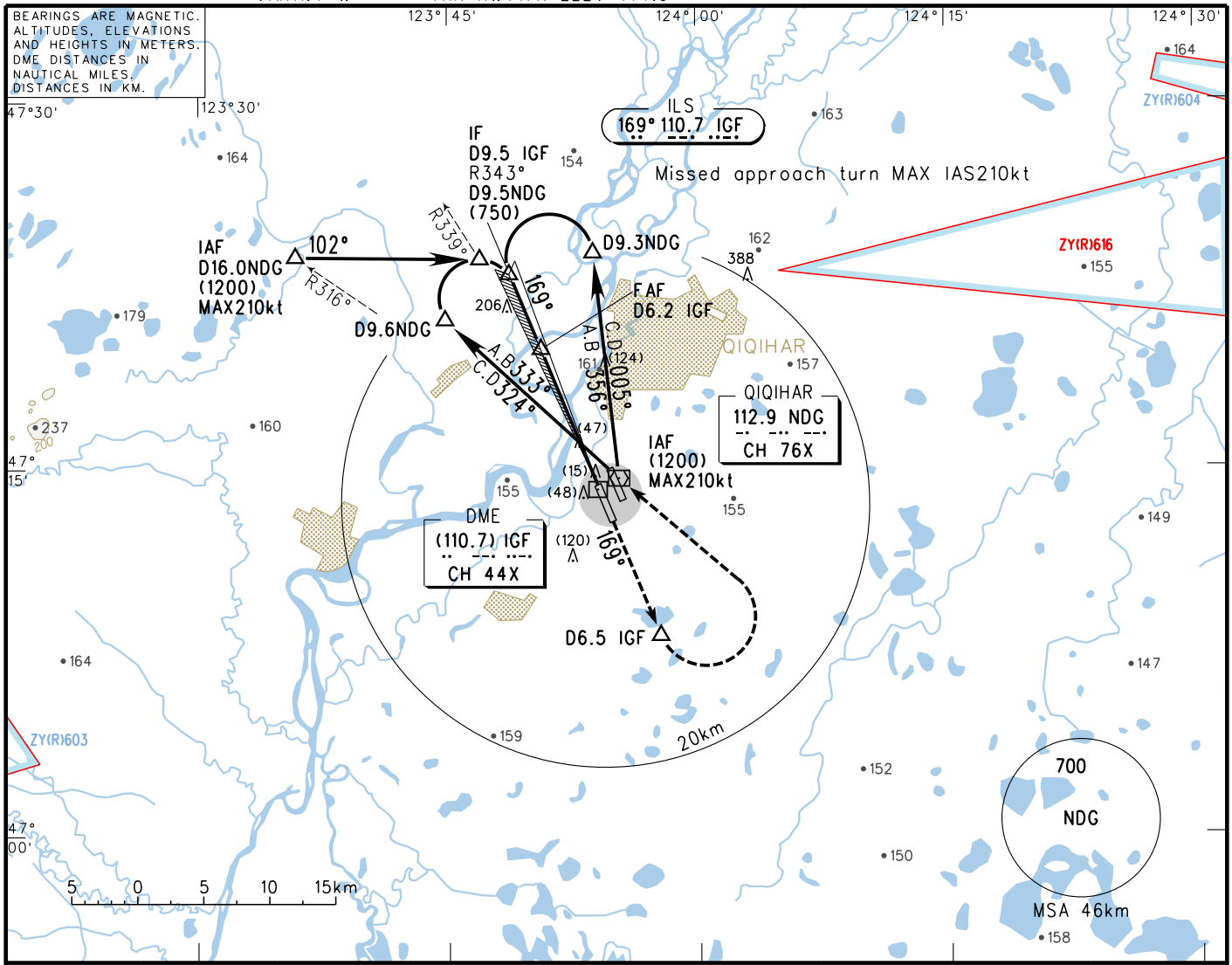
INSTRUMENT APPROACH CHART-ICAO

VAR11.4° W

AERODROME ELEV 147.1
THR RWY17R ELEV 144.6

TWR 130.0

ZYQQ QIQIHAR/Sanjiazi
ILS/DME RWY17R

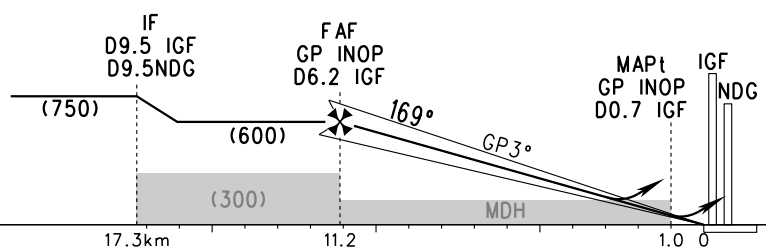


GP INOP	DME (IGF) (NM)	7	6	5	4	3	2	1
	(HGT) (m)		(581)	(483)	(386)	(289)	(192)	

TL 3600
TH (3000)

MISSED APPROACH

Climb straight ahead to D6.5IGF, turn LEFT to NDG at (1200), then contact ATC.



	A	B	C	D
ILS/DME (DH) RVR/VIS	(60) 800/800		(65) 800/800	(70) 800/800
GP INOP (MDH) RVR/VIS	(125) 1500/1500			
CIRCLING (MDH) VIS	(140) 1600	(210) 1600	(240) 3200	(245) 3600

FAF-MAPt(GP INOP) 10.2km

GS in kt / km/h	80 150	100 185	120 220	140 260	160 295	180 335
Time min:sec	4:08	3:18	2:45	2:22	2:04	1:50
Rate of descent m/s	420 2.2	530 2.7	640 3.2	740 3.8	850 4.3	960 4.9

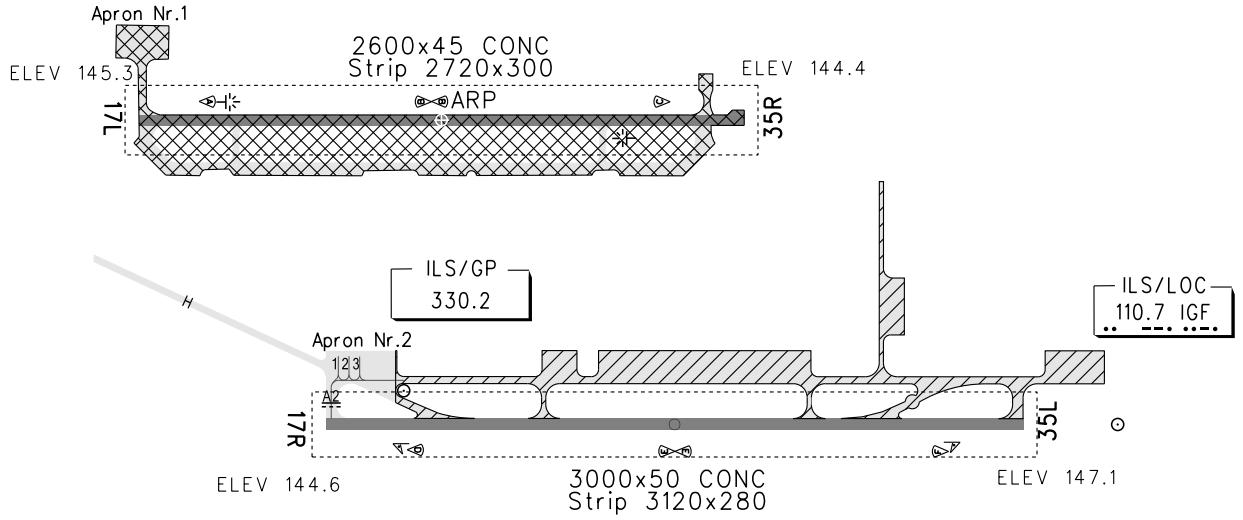
Changes: Restricted area.

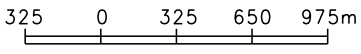
AERODROME CHART

TWR 130.0

RWY	Direction	Bearing strength
17L,17R	169°	PCR 740/R/A/W/T:RWY17L/35R CONC PCR 820/R/A/W/T:RWY17R/35L CONC PCR 850/R/A/W/T:TWY PCR 670/R/A/W/T:Apron Nr.2
35L,35R	349°	

BEARINGS ARE MAGNETIC. ALTITUDES, DISTANCES, ELEVATIONS AND HEIGHTS IN METERS.

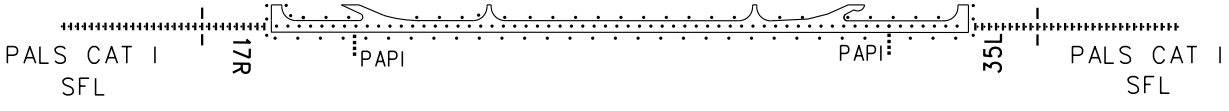


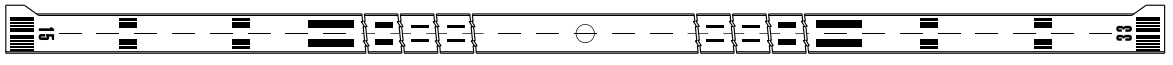


Only TWY A2 for use

Construction Area

This area not AVBL



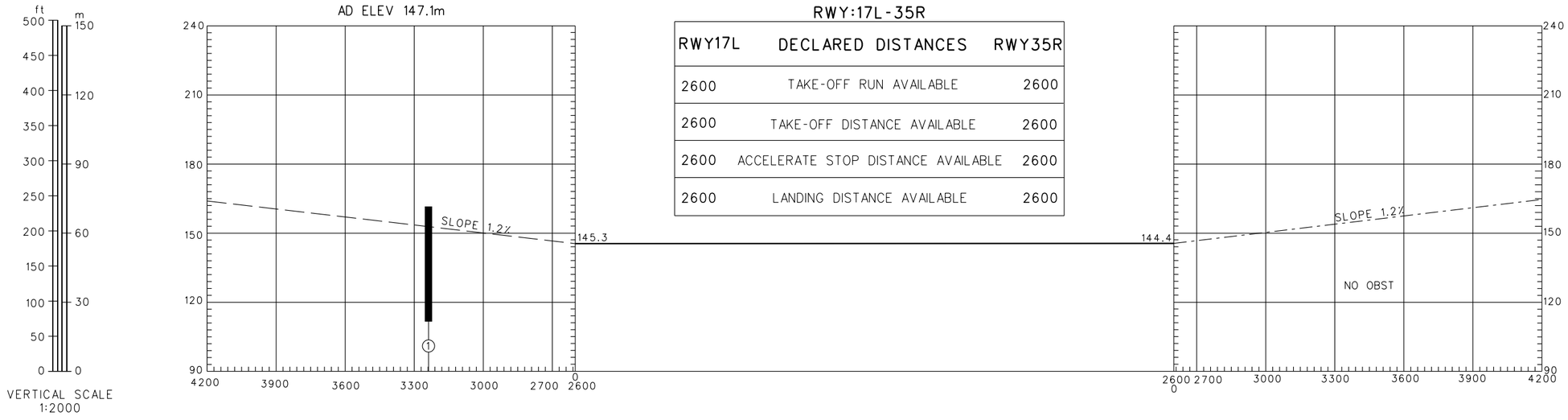


TAKE-OFF MINIMA(WITH RELIABLE ALTN)(m)						LIGHTS		
ACFT Type		RWY17L/35R		RWY17R/35L		RWY17L	RWY35R	RWY17R/35L
		REDL	NIL(Day only)	REDL	NIL(Day only)			
2 TURB ENG or 3&4 ENG	A B C D	RVR400 VIS800	RVR500 VIS800	RVR400 VIS800	RVR500 VIS800	SALS PAPI REDL RENL	PALS CAT I SFL PAPI REDL RENL	PALS CAT I SFL PAPI REDL RCLL RENL
Other 1&2 ENG		VIS1600						
Note: Nil.								

Changes: PCR.

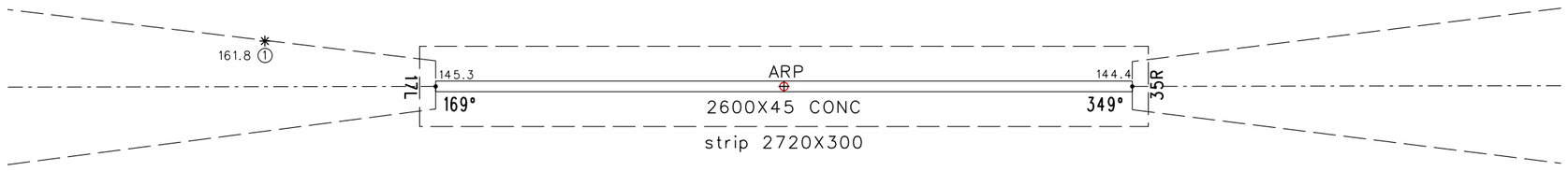
AERODROME OBSTACLE CHART-ICAO
TYPE A(OPERATING LIMITATIONS)

MAGNETIC VARIATION 11.4° W



RWY:17L-35R

RWY17L	DECLARED DISTANCES	RWY35R
2600	TAKE-OFF RUN AVAILABLE	2600
2600	TAKE-OFF DISTANCE AVAILABLE	2600
2600	ACCELERATE STOP DISTANCE AVAILABLE	2600
2600	LANDING DISTANCE AVAILABLE	2600



1:20000
HORIZONTAL SCALE

LEGEND	
①	OBST NR
*	TREE

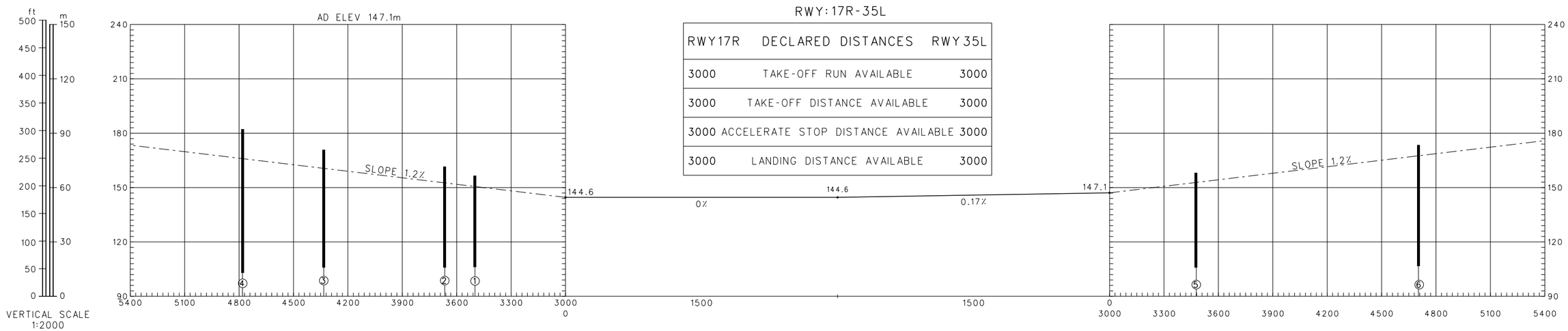
AMENDMENT RECORD		
NR	DATE	ENTERED BY

Changes: Add RWY center circle.

AERODROME OBSTACLE CHART-ICAO

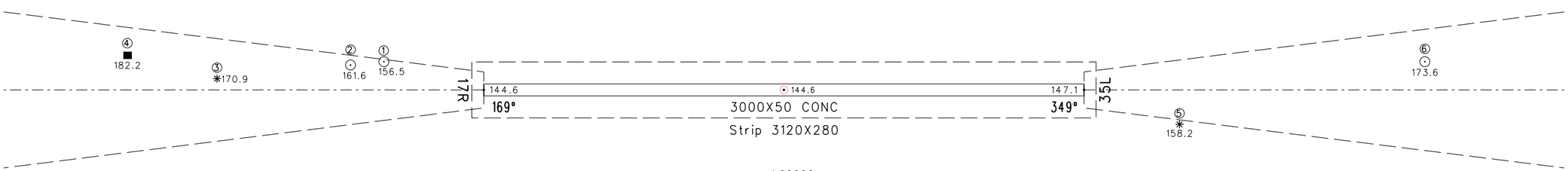
TYPE A(OPERATING LIMITATIONS)

MAGNETIC VARIATION 11.4° W



RWY:17R-35L

RWY17R	DECLARED DISTANCES	RWY35L
3000	TAKE-OFF RUN AVAILABLE	3000
3000	TAKE-OFF DISTANCE AVAILABLE	3000
3000	ACCELERATE STOP DISTANCE AVAILABLE	3000
3000	LANDING DISTANCE AVAILABLE	3000



1:20000
HORIZONTAL SCALE

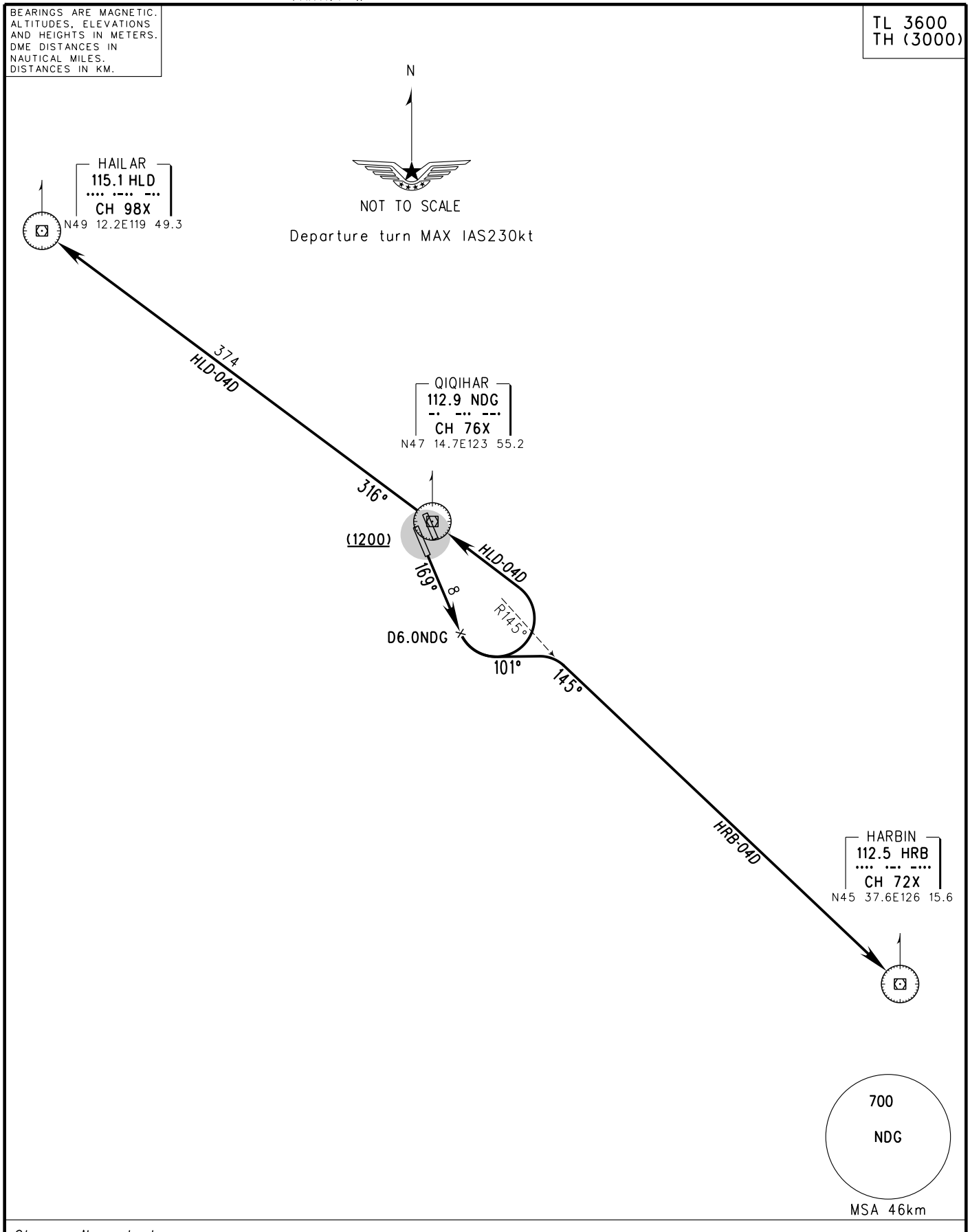
LEGEND	
①	OBST NR
■	BUILDING
⊙	POLE
✳	TREE

AMENDMENT RECORD		
NR	DATE	ENTERED BY

Changes: Add RWY center circle.

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TH (3000)



Changes: New chart.

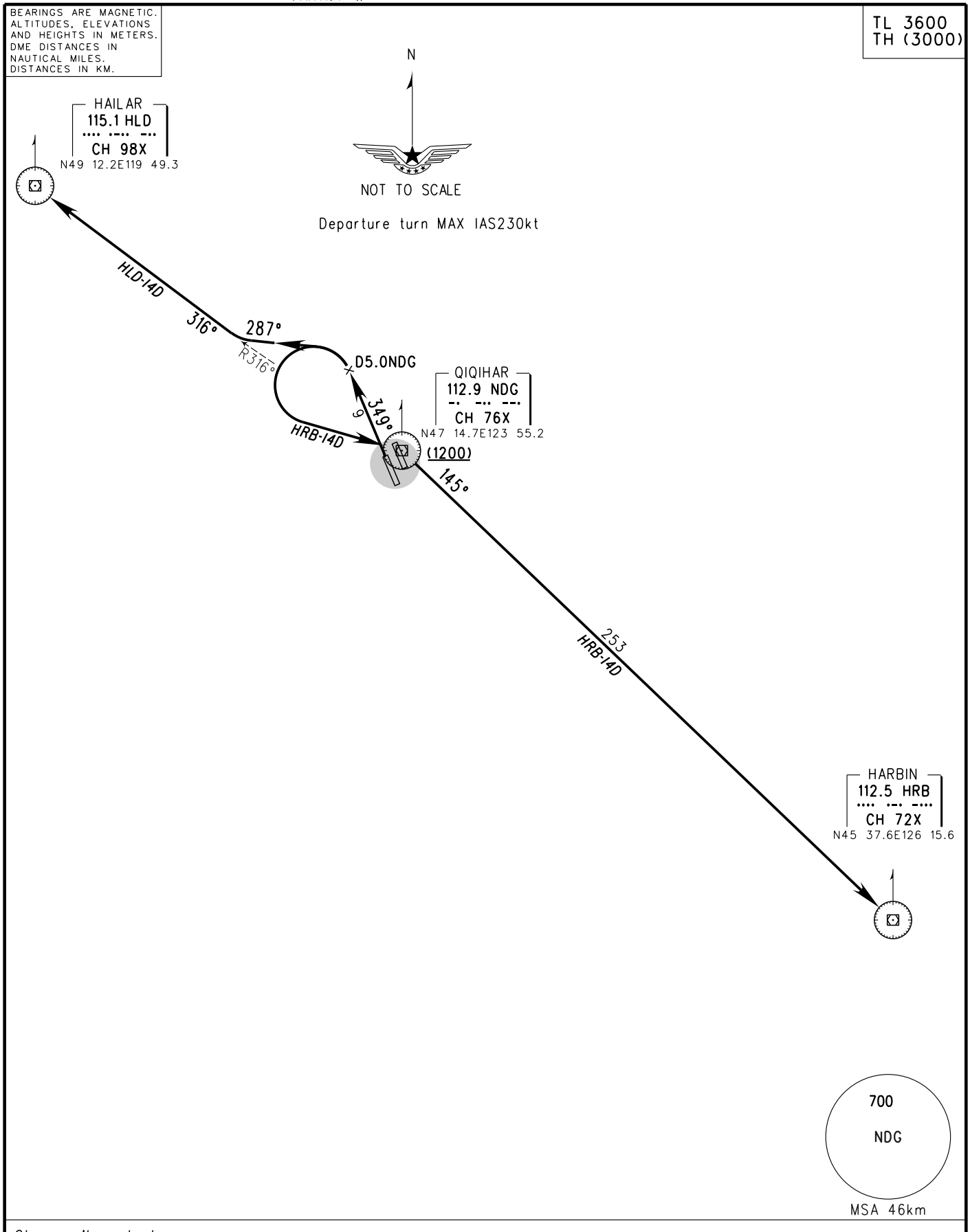
STANDARD DEPARTURE CHART-INSTRUMENT

VAR11.4° W TWR 130.0

ZYQQ QIQIHAR/Sanjiazi RWY35L

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TH (3000)



Changes: New chart.

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TH (3000)

N

NOT TO SCALE

RNP1
GNSS

Note: Apply to ATC for QNH as needed.

HAILAR
115.1 HLD
CH 98X
N49 12.2E119 49.3

327

QQ403

24

316°

QQ416

QIQIHAR
112.9 NDG
CH 76X
N47 14.7E123 55.2

HLD-07D

19

349°

QQ418
1347(1200)
MAX230kt

169°

8

QQ770

QQ414
MAX230kt

145°

19

HRB-07D

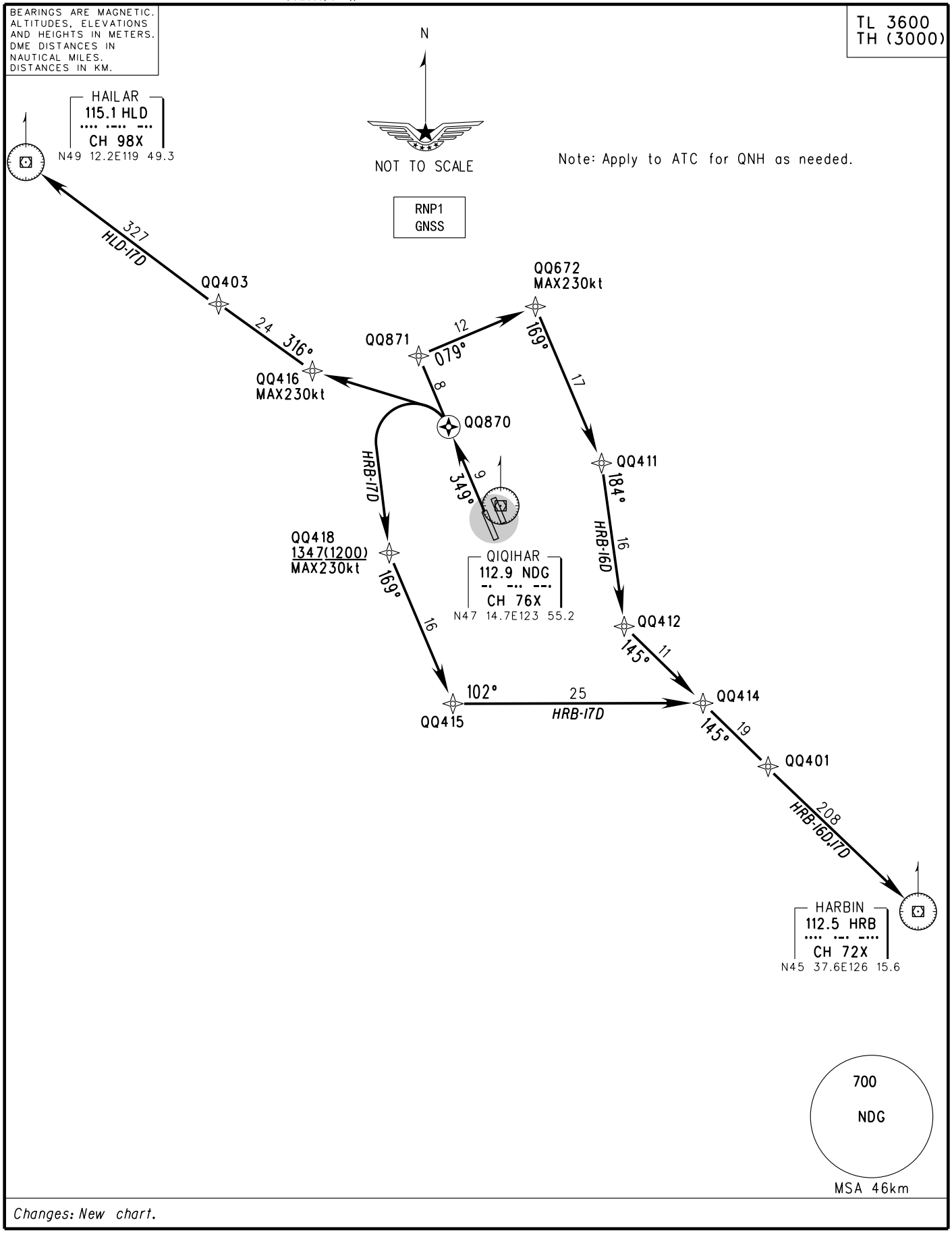
QQ401

208

HARBIN
112.5 HRB
CH 72X
N45 37.6E126 15.6

700
NDG
MSA 46km

Changes: New chart.



Changes: New chart.

STANDARD ARRIVAL CHART-INSTRUMENT

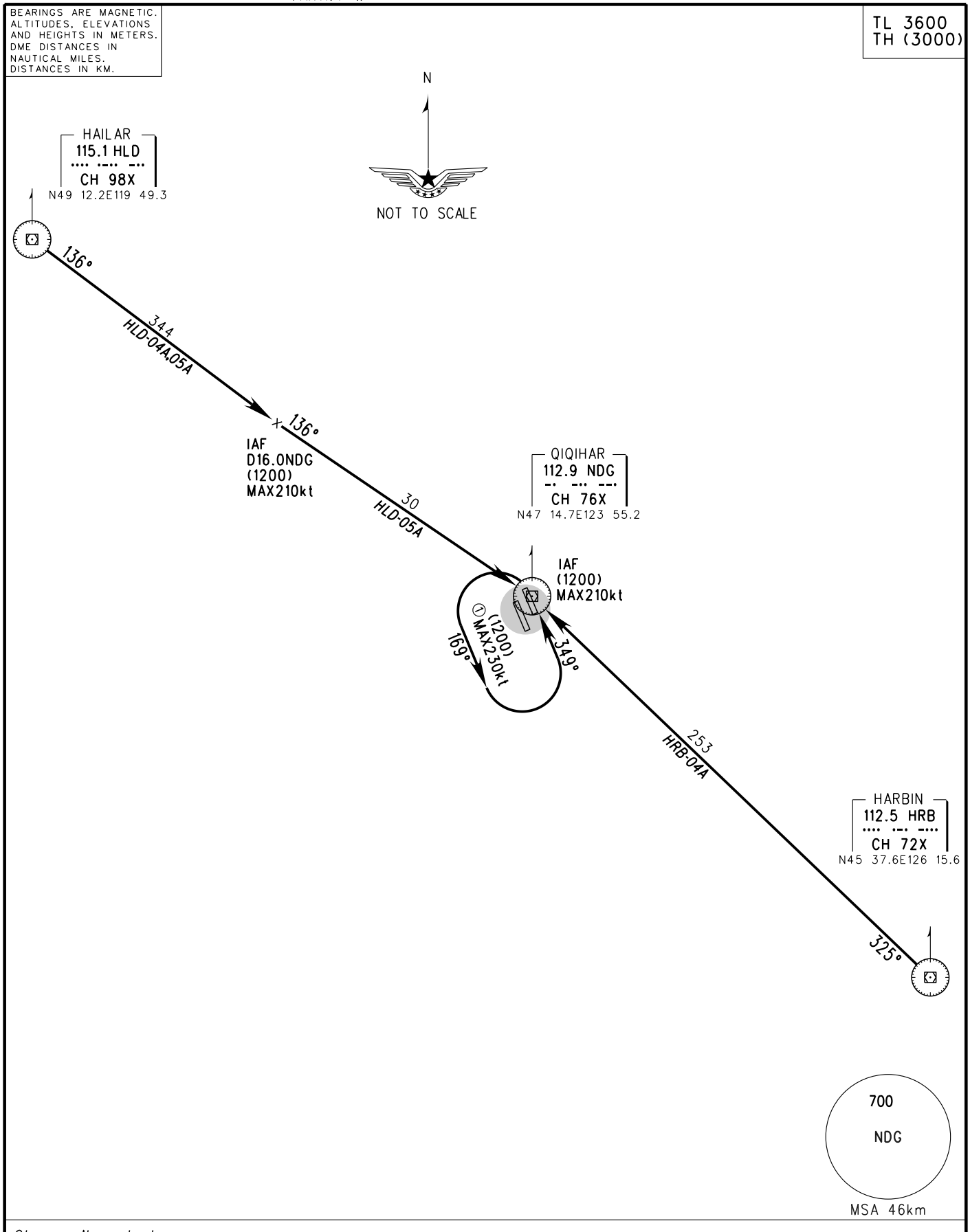
VAR11.4° W TWR 130.0

ZYQQ QIQIHAR/Sanjiazi

RWY17R

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TH (3000)



Changes: New chart.

WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES
QQ401	N46° 56'59"E124° 21'16"				
QQ403	N47° 29'18"E123° 25'22"				
QQ411	N47° 16'51.2"E124° 03'07.5"				
QQ412	N47° 08'12.6"E124° 04'46.5"				
QQ414	N47° 04'06.5"E124° 10'49.2"				
QQ415	N47° 04'11.2"E123° 51'27.8"				
QQ416	N47° 21'49.4"E123° 40'40.3"				
QQ418	N47° 12'10.9"E123° 46'35.2"				
QQ672	N47° 25'09.8"E123° 58'04.3"				
QQ770	N47° 08'48.8"E123° 57'21.4"				
QQ870	N47° 18'49.7"E123° 51'15.4"				
QQ871	N47° 22'35.7"E123° 48'57.2"				
HLD	N49° 12.2'E119° 49.3'				
HRB	N45° 37.6'E126° 15.6'				

Changes: New Chart.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/TCH	Navigation Specification
RWY17R SID HRB-07D								
CF	QQ770	Y	169					RNP1
DF	QQ414			L		MAX230		RNP1
TF	QQ401							RNP1
TF	HRB							RNP1
RWY17R SID HLD-07D								
CF	QQ770	Y	169					RNP1
DF	QQ418			R	1347	MAX230		RNP1
TF	QQ416							RNP1
TF	QQ403							RNP1
TF	HLD							RNP1
RWY35L SID HRB-16D								
CF	QQ870	Y	349					RNP1
TF	QQ871							RNP1
TF	QQ672					MAX230		RNP1
TF	QQ411							RNP1
TF	QQ412							RNP1
TF	QQ414							RNP1
TF	QQ401							RNP1
TF	HRB							RNP1
RWY35L SID HRB-17D								
CF	QQ870	Y	349					RNP1
DF	QQ418			L	1347	MAX230		RNP1
TF	QQ415							RNP1
TF	QQ414							RNP1
TF	QQ401							RNP1
TF	HRB							RNP1
RWY35L SID HLD-17D								
CF	QQ870	Y	349					RNP1
DF	QQ416			L		MAX230		RNP1
TF	QQ403							RNP1
TF	HLD							RNP1

Changes: New Chart.