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

ZLXN/XNN-西宁/曹家堡 XINING/Caojiapu

ZLXN 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	N36°31.9′ E102°02.3′ Center of RWY 11/29
2	机场基准点与城市的位置关系 Direction and distance from city	112° GEO, 25.5km from Dashizi, Xining
3	机场标高、基准温度、低温均值 ELEV/Reference temperature/Mean low temperature	2184.2 m/27.5℃(JUL)/-13.7℃(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	1°59′W(2011)/-
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	Qinghai airport CO.LTD of China West Airport Group Nr.32, Ba yi xi lu, Xining, Qinghai Province, China, Post code:810007 TEL:86-971-8188128 FAX:86-971-8188121 AFS:ZLXNYDYX E-mail:xnxianchang@163.com
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/4E
9	备注 Remarks	Nil

ZLXN AD 2.3 工作时间 Operational hours

1	机场开放时间 AD Operational hours	H24
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	HO
5	空中交通服务报告室 ATS Reporting Office	HO

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

ZLXN 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 transporter, baggage pallet, platform lift vehicle(7t,14t), fork, baggage freight towing vehicle
2	燃油牌号 Fuel types	Jet Fuel No.3,Jet A-1
3	滑油牌号 Oil types	MOBIL JET OIL II,TURBO2197(Provided by airlines and only for their own use.)
4	加油设施/能力 Fuelling facilities & Capacity	Refueling truck(35000L, 25000L, 22000, 20000L, 18500L), 13.3L/s(pressure refuelling), 4.5L/s(gravity refueling)
5	除冰设施 De-icing facilities	7 De-icers, de-icing fluid CLEANWING-I, CLEANWING-II
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 A319/A320/A321 and B737NG(Based on the "Maintenance License"and "Line Maintenance Capability List" of airlines).General maintenance for A320 series: below 1500FH(inclusive)/1000FC(inclusive)/6MO(inclusive).
8	备注 Remarks	Oxygen filling vehicle, ground power unit, ground air supply unit, passenger boarding stairs, potable water supply vehicle, lavatory service vehicle, lift truck for disabled

ZLXN AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	At AD and in the city
2	餐饮 Restaurants	At AD and in the city

3	交通工具 Transportation	Passenger's coaches, taxis
4	医疗设施 Medical facilities	First aid at AD, hospitals in the city
5	银行和邮局 Bank and Post Office	At AD and in the city
6	旅行社 Tourist Office	in the city
7	备注 Remarks	Nil

ZLXN 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 8
2	援救设备 Rescue equipment	Fire fighting facilities: Rapid intervention vehicle, heavy-load foam tender, primary foam tender, fire-fighting command car, rescue vehicle, logistics truck, dry-chemical tender, water tank truck, illumination truck. Rescue equipment: rescue air cushion, uplift air cushion, toothless cutting saw, breathing machine, mobile illumination, cutter, disassembly rescue tools, fire protecting clothes
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTOW up to B747-400. Removal equipment: Trailer, tie-down equipment, aircraft uplift air cushion, diesel air compressor, mobile surface operation devices, crosstie, lifting equipment, traction rack.
4	备注 Remarks	Tow truck and crane can be callable

ZLXN 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 Snow blower, snow fluid truck, snow plough
2	扫雪顺序 Clearance priorities	RWY, TWY, Apron
3	备注 Remarks	Nil

ZLXN 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	ASPH : Stands Nr. 107-109 CONC : Stands Nr. 101, 102, 204, 207, 103, 104, 201, 202, 209, 210, 105, 106, 111-119, 203, 205, 206, 212-215, 110, 211, 208, 216, 217
		强度 Strength	PCR 1880/F/D/W/T : Stands Nr. 107-109 PCR 840/R/A/W/T : Stands Nr. 110, 211

			PCR 820/R/B/W/T : Stands Nr. 216, 217 PCR 700/R/A/W/T : Stands Nr. 208 PCR 660/R/A/W/T : Stands Nr. 105, 106, 111-119, 203, 205, 206, 212-215 PCR 650/R/A/W/T : Stands Nr. 101, 102, 204, 207 PCR 640/R/A/W/T : Stands Nr. 103, 104, 201, 202, 209, 210
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	70m : D, E, F 34m : C, G 30m : A(each end of RWY), A1, A4 28m : A2, A3 23m : A(main TWY A)
		道面 Surface	ASPH : A, A1-A4, T2(FM west to east 0-148m) CONC : C, D, E, F, G, T2(FM west to east 148-602m)
		强度 Strength	PCR 1880/F/D/W/T : T2(FM west to east 0-148m) PCR 1650/F/C/W/T : A(vertical to RWY29) PCR 1580/F/C/W/T : A3 PCR 1530/F/C/W/T : A1 PCR 1420/F/D/W/T : A(parallel to RWY11/29) PCR 1350/F/C/W/T : A4 PCR 1200/F/D/W/T : A2 PCR 1070/F/C/W/T : A(vertical to RWY11) PCR 890/R/B/W/T : C, D, E, F, G PCR 650/R/A/W/T : T1 PCR 640/R/A/W/T : T2(FM west to east 148-602m)
3	高度表校正点的位置及其标高 ACL location and elevation	Nil	
4	VOR 校正点 VOR checkpoints	Nil	
5	INS 校正点 INS checkpoints	Nil	
6	备注 Remarks	Nil	

ZLXN 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	Guide lines at all TWYs. Guide lines at all 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	Pre-threshold area, THR, RWY designation, edge line, RWY center line, TDZ, aiming point
		跑道灯光 RWY lights	RTHL, WBAR, REDL, RCLL, RENL
		滑行道标志 TWY markings	Edge line, center line, No-entry, RWY holding position
		滑行道灯光 TWY lights	Edge line lights, center line lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	Runway guard lights: at the intersection of RWY and TWY A	
4	其它跑道保护措施 Other runway protection measures	Nil	
5	备注 Remarks	Aircraft stand identification lines at apron.	

ZLXN AD 2.10 机场障碍物 Aerodrome obstacles

半径 15 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles within a circle with a radius of 15km (centered on the center of RWY 11/29)

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
MT 001	MT	006/7511	2772.9		
MT 002	MT	039/2410	2371.0		
TRANSMISSION_LINE 003	TRANSMISSION_LINE	048/2220	2357.7		
MT 004	MT	052/13500	3142.0		ATC SMAC Sector Nr.15 K015
MT 005	MT	097/3300	2280.0		
NATURAL_HIGHPOINT 006	NATURAL_HIGHPOINT	105/3350	2260.0		RWY11 departure

半径 15 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles within a circle with a radius of 15km (centered on the center of RWY 11/29)

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 007	BLDG	106/5335	2226.7		Significant obstacle
MT 008	MT	108/3865	2198.5		RWY11 take-off path
ELECTRICAL_EXIT_LIGHT 009	ELECTRICAL_EXIT_LIGHT	143/728	2193.1	LGT	
ELECTRICAL_EXIT_LIGHT 010	ELECTRICAL_EXIT_LIGHT	147/663	2193.3	LGT	
ELECTRICAL_EXIT_LIGHT 011	ELECTRICAL_EXIT_LIGHT	159/523	2194.2	LGT	
MT 012	MT	159/3869	2278.0		Circling CAT A
ELECTRICAL_EXIT_LIGHT 013	ELECTRICAL_EXIT_LIGHT	161/494	2194.3	LGT	
ELECTRICAL_EXIT_LIGHT 014	ELECTRICAL_EXIT_LIGHT	161/553	2194.1	LGT	
ELECTRICAL_EXIT_LIGHT 015	ELECTRICAL_EXIT_LIGHT	165/472	2194.4	LGT	
ELECTRICAL_EXIT_LIGHT 016	ELECTRICAL_EXIT_LIGHT	165/595	2193.4	LGT	
ELECTRICAL_EXIT_LIGHT 017	ELECTRICAL_EXIT_LIGHT	168/454	2194.4	LGT	
MT 018	MT	170/13458	2898.5		

半径 15 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles within a circle with a radius of 15km (centered on the center of RWY 11/29)

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
ELECTRICAL_EXIT_LIGHT 019	ELECTRICAL_EXIT_LIGHT	172/483	2194.3	LGT	
ELECTRICAL_EXIT_LIGHT 020	ELECTRICAL_EXIT_LIGHT	176/538	2194.0	LGT	
ELECTRICAL_EXIT_LIGHT 021	ELECTRICAL_EXIT_LIGHT	194/521	2195.0	LGT	
ELECTRICAL_EXIT_LIGHT 022	ELECTRICAL_EXIT_LIGHT	198/237	2198.5	LGT	
MT 023	MT	200/4993	2467.0		
ELECTRICAL_EXIT_LIGHT 024	ELECTRICAL_EXIT_LIGHT	201/517	2195.3	LGT	
ELECTRICAL_EXIT_LIGHT 025	ELECTRICAL_EXIT_LIGHT	208/522	2195.5	LGT	
BLDG 026	BLDG	208/677	2209.6		
Control TWR 027	Control TWR	210/541	2227.1	LGT	RWY11 ILS/DME final approach
ELECTRICAL_EXIT_LIGHT 028	ELECTRICAL_EXIT_LIGHT	214/532	2206.9	LGT	
ELECTRICAL_EXIT_LIGHT 029	ELECTRICAL_EXIT_LIGHT	220/547	2207.4	LGT	
MT 030	MT	222/5992	2591.0		Circling CAT B

半径 15 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles within a circle with a radius of 15km (centered on the center of RWY 11/29)

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
ELECTRICAL_EXIT_LIGHT 031	ELECTRICAL_EXIT_LIGHT	225/569	2207.8	LGT	
ELECTRICAL_EXIT_LIGHT 032	ELECTRICAL_EXIT_LIGHT	230/592	2208.0	LGT	
MT 033	MT	230/10336	2853.0		
Iron TWR 034	Iron TWR	232/10694	2896.6		Circling CAT D
ELECTRICAL_EXIT_LIGHT 035	ELECTRICAL_EXIT_LIGHT	234/622	2208.4	LGT	
Iron TWR 036	Iron TWR	236/9313	2834.3		Circling CAT C
ELECTRICAL_EXIT_LIGHT 037	ELECTRICAL_EXIT_LIGHT	239/659	2208.8	LGT	
BLDG 038	BLDG	242/3927	2226.3	LGT	
ELECTRICAL_EXIT_LIGHT 039	ELECTRICAL_EXIT_LIGHT	249/353	2198.2	LGT	
ELECTRICAL_EXIT_LIGHT 040	ELECTRICAL_EXIT_LIGHT	253/385	2198.2	LGT	
MT 041	MT	261/9148	2751.0		
Antenna 042	Antenna	265/1491	2209.6		
MT 043	MT	280/12100	2565.0		RWY29 RNP departure

半径 15 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles within a circle with a radius of 15km (centered on the center of RWY 11/29)

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 044	BLDG	282/11714	2550.7	LGT	RWY29 RNP ILS/DME、ILS/DME missed approach
MT 045	MT	283/11730	2536.0		Significant obstacle
MT 046	MT	295/11270	2345.0		RWY11 GP INOP final approach
MT 047	MT	298/3300	2231.0		RWY29 departure
Iron TWR 048	Iron TWR	302/4458	2301.5		
MT 049	MT	304/5340	2334.0		
TRANSMISSION _LINE 050	TRANSM ISSION_L INE	311/3650	2321.7		RWY29 ILS/DME approach
MT 051	MT	324/4139	2350.0		RWY29/GP INOP final approach
MT 052	MT	358/3968	2497.0		

半径 15 千米-50 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles between two circles with the radius of 15km and 50km (centered on the center of RWY 11/29)

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 053	MT	002/27700	3016		ATC SMAC Sector Nr.5 K005
MT 054	MT	008/15049	2870		

半径 15 千米-50 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles between two circles with the radius of 15km and 50km (centered on the center of RWY 11/29)

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 055	MT	015/45150	4242		
MT 056	MT	015/45413	4243		
MT 057	MT	034/38313	4195		
MT 058	MT	035/45094	4309		
MT 059	MT	041/46120	4265		LED holding
MT 060	MT	042/45780	4265		MSA(180°-260° sector)
MT 061	MT	044/85400	4446		ATC SMAC Sector Nr.2 K002
MT 062	MT	055/28800	4055		
MT 063	MT	056/29200	4055		ATC SMAC Sector Nr.3 K003
NATURAL_HIGHPOINT 064	NATURAL_HIGHPOINT	059/26100	3560		ATC SMAC Sector Nr.4 K004
MT 065	MT	069/30244	3314		RWY11 missed approach
NATURAL_HIGHPOINT 066	NATURAL_HIGHPOINT	070/35841	3293		MSA(260°-300° sector)
MT 067	MT	080/40150	3092		
MT 068	MT	092/38722	2949		RWY29 initial approach
MT 069	MT	096/36200	2402		

半径 15 千米-50 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles between two circles with the radius of 15km and 50km (centered on the center of RWY 11/29)

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 070	MT	108/18313	2373		
MT 071	MT	108/38620	2545		RWY29 RNP initial approach XN711-XN703
MT 072	MT	115/30970	2630		
MT 073	MT	125/29240	2683		RWY29 intermediate approach
MT 074	MT	134/39900	3622		XN705 holding
MT 075	MT	139/44969	4344		
MT 076	MT	141/45100	4484		ATC SMAC Sector Nr.7 G001
MT 077	MT	150/25500	3183		ATC SMAC Sector Nr.16 K016
MT 078	MT	156/36600	4300		
MT 079	MT	159/36900	4295		ATC SMAC Sector Nr.6 K006
MT 080	MT	164/25200	4166		ATC SMAC Sector Nr.8 K008
MT 081	MT	211/69600	4614		ATC SMAC Sector Nr.10 G002
MT 082	MT	215/33400	4350		ATC SMAC Sector Nr.9
MT 083	MT	215/34183	4405		
MT 084	MT	233/46720	4300		
MT 085	MT	236/48222	4486		

半径 15 千米-50 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles between two circles with the radius of 15km and 50km (centered on the center of RWY 11/29)

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 086	MT	237/48000	4488		ATC SMAC Sector Nr.17 G017
MT 087	MT	237/48720	4488		
MT 088	MT	239/39310	4092		
NATURAL_HIGHPOINT 089	NATURAL_HIGHPOINT	241/54284	4500		MSA(095°-300° sector)
MT 090	MT	256/78200	4898		ATC SMAC Sector Nr.11 K011
MT 091	MT	275/94000	4600		ATC SMAC Sector Nr.18 K018
MT 092	MT	280/29997	2821		RWY11 intermediate approach
MT 093	MT	280/35897	2889		RWY11 initial approach
MT 094	MT	283/98700	4389		
MT 095	MT	284/36100	2750		
MT 096	MT	285/31580	2753		
MT 097	MT	287/23909	2477		
MT 098	MT	298/86700	4178		ATC SMAC Sector Nr.13 K013
MT 099	MT	302/35480	2778		RWY11 RNP initial approach XN604-XN603
MT 100	MT	313/26700	2839		

半径 15 千米-50 千米内主要障碍物 (相对 11/29 跑道中心)
Obstacles between two circles with the radius of 15km and 50km (centered on the center of RWY 11/29)

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 101	MT	315/26279	2840		RWY11 initial approach
MT 102	MT	317/61500	3804		ATC SMAC Sector Nr.12 K012
MT 103	MT	319/102800	4387		ATC SMAC Sector Nr.14 K014
MT 104	MT	342/48022	3590		MSA(095°-180° sector)
MT 105	MT	343/20705	2854		RWY29 missed approach
MT 106	MT	353/107200	4690		ATC SMAC Sector Nr.1 K001

备注：within 15km:Red OBST LGT
15km-50km:Nil.

ZLXN 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	Qinghai MET station of ATMB
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	H24
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	MET office of Qinghai ATMB, CAAC;9h, 24h;3h, 6h
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/Consultation provided	Briefing provided: P, T
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	Aerodrome weather report, aerodrome forecast, landing forecast, aerodrome warnings&wind shear warnings, AWOS real-time data, synoptic charts, significant weather charts, upper W/T charts, satellite cloud picture, weather radar, wind profile radar
8	提供气象情报的辅助设备 Supplementary equipment available for providing information	FAX, MET Service Terminal, Tel
9	提供气象情报的空中交通服务单位 ATS units provided with information	APP, ARO, TWR
10	其他信息 Additional information	TEL: 86-971-8580688 FAX: 86-971-8255933
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: 105m N of RCL, 370m inward THR11 B: 105m N of RCL, 1800m inward THR11 C: 105m N of RCL, 310m inward THR29 SFC wind sensors RWY11: 120m N of RCL, 385m inward THR11 RWY center: 120m N of RCL, 1800m inward THR11 RWY29: 120m N of RCL, 320m inward THR29 Ceilometer RWY11: 105m N of RCL, 360m inward THR11 RWY29: 105m N of RCL, 300m inward THR29
4	观测系统的工作时间 Hours of operation for meteorological observation system	H24
5	气候资料 Climatological information	Climatological tables AVBL
6	其他信息 Additional information	Nil

ZLXN 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
11	109° GEO 111° MAG	3800×45	PCR 1510/F/C/W/T ASPH/ASPH	Nil	THR 2184.2m TDZ 2184.2m	-0.6%(800m)/-0.45%(600m)/-0.60%(954m)/-0.70%(1246m)/-0.5%(200m)
29	289° GEO 291° MAG	3800×45	PCR 1510/F/C/W/T ASPH/ASPH	Nil	THR 2161.3m TDZ 2167.3m	0.5%(200m)/0.70%(1246m)/0.60%(954m)/0.45%(600m)/0.6%(800m)

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
11	60×60	Nil	3920×300	240×150	Nil	Nil
29	60×60	Nil	3920×300	240×150	Nil	Nil

Remarks: RWY shoulder: 7.5m for each side.

ZLXN 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
11	3800	3800	3860	3800	Nil
29	3800	3800	3860	3800	Nil

ZLXN 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
11	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 376m inward THR11 3° 16m	Nil	3800 m spacing 30m 0-2900m, WHITE 2900-3500m, RED/WHITE 3500-3800m, RED VRB LIH	3800 m spacing 60m 0-3200m, WHITE 3200-3800m, YELLOW VRB LIH	RED	Nil
29	PALS CAT I SFL 720 m LIH	GREEN Yes	PAPI LEFT 306m inward THR29 3° 16.5m	Nil	3800 m spacing 30m 0-2900m, WHITE 2900-3500m, RED/WHITE 3500-3800m, RED VRB LIH	3800 m spacing 60m 0-3200m, WHITE 3200-3800m, YELLOW VRB LIH	RED	Nil
Remarks:								

ZLXN 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: RWY11:113m N of RCL, 364m inward THR, LGT RWY29:113m S of RCL, 334m inward THR, LGT
3	滑行道边灯和滑行道中线灯 TWY edge and center line lighting	All TWYs: green and yellow center line lights, blue edge line lights
4	备份电源及转换时间 Secondary power supply/Switch-over time	Secondary power supply available/1.5 sec, diesel dynamotor/<15 sec
5	备注 Remarks	Nil

ZLXN 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

ZLXN 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
Xining tower control area	A circuit, 2 arcs with radius 13km centered at center of both THRs and 2 parallel lines of 13km from RCL.	3100m(QNH) and below				
Altimeter setting region and TL/TA	A circle with a radius of 55km centered on Xining VOR/DME(XNN)	TL 5400m TA 4800m 5100m(QNH≥1031hPa) 4500m(QNH≤979hPa)				

ZLXN 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
ATIS		126.85				D-ATIS available
APP	Xining Approach	APP01:119.875 (119.625)			by ATC	
		APP02:119.875 (119.625)			by ATC	
		APP03:119.2 (119.625)			H24	
TWR	Xining Tower	118.5 (124.35)			HO	
GND	Xining Ground	121.6			HO	DCL available. DCL available from TWR when GND U/S.
EMG		121.5			HO	

ZLXN 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
Xining VOR/DME	XNN	116.5 MHz CH 112X	H24	N36°31.6′ E102°01.8′ 253°MAG/761m FM RWY center	2196 m	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.

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
Ledu VOR/DME	LED	112.2 MHz CH 59X	H24	N36°36.5′ E102°29.3′ 080°MAG/41012m FM RWY center	3079 m	VOR: 21-24.5NM on R198° U/S for arrival. 22-24.5NM on R195° U/S for departure. DME: beyond 21NM on R291° U/S for arrival.
LOC 11 ILS CAT I	ICB	110.7 MHz		111°MAG/2160m FM the Center of RWY		Beyond 21NM of front course U/S; Beyond 020° each side of front course U/S.
GP 11		330.2 MHz		295°MAG/1557m FM the Center of RWY		Angle 3°, RDH 15m Coverage 16NM
DME 11	ICB	CH 44X (110.7 MHz)		127m N of RCL, 350m inward THR11	2188m	Co-located with GP 11
LOC 29 ILS CAT I	IXN	108.7 MHz		291°MAG/2180m FM the Center of RWY		Beyond 020° each side of front course U/S.
GP 29		330.5 MHz		107°MAG/1626m FM the Center of RWY		Angle 3°, RDH 15m Coverage 16NM
DME 29	IXN	CH 24X (108.7 MHz)		127m N of RCL, 280m inward THR29	2169m	Co-located with GP 29

ZLXN AD 2.20 本场规定

1. 机场使用规定

无

2. 跑道和滑行道的使用

2.1 航空器滑行速度一般不得大于 50km/h，在障碍物附近滑行速度不超过 15km/h。

ZLXN AD 2.20 Local aerodrome regulations

1.Airport operations regulations

Nil

2. Use of runways and taxiways

2.1 Aircraft taxiing speed limit is no more than 50km/h. And the taxiing speed should be no more than 15km/h near the obstacles.

2.2 滑行道及机坪滑行通道使用限制

2.2 Taxiing and parking stands limits:

滑行道/TWY	航空器翼展限制/wing span limits for aircraft (m)
A, A1, A4, C, D, E, F, G, T2(107-109)	<65
A2, A3, D(apron part), E(apron part), T1(111-114, 204-207, 212-215), T2(101-106)	<52
F(apron part), T1(115-119)	<36

2.3 为规范航空器进入跑道和落地后的跑道占用时间，提高跑道容量，根据西宁机场跑道及其快速滑行道的布局，做如下要求:

2.3 For optimizing runway occupancy time and increasing runway capacity, according to runway and rapid exit taxiways layout, requirements as follows

(1) 起飞的航空器从接到管制员进跑道指令至对正跑道完成起飞准备的时间应控制在 60s 以内，如机组无法在上述要求内完成，须在到达跑道外等待点之前向塔台管制员说明;

(1) For departure aircraft
Aircraft shall align with the runway centerline and be ready to takeoff within 60s after receiving take-off clearance to enter the runway from controller. If flight crew consider they cannot fulfill the process within the required time, flight crew shall inform TWR before reaching the RWY holding position.

(2) 着陆航空器从接地到滑出跑道应控制在 50s 以内，如机组无法在上述要求内完成，须在建立航道之前向进近管制员说明。

(2) For landing aircraft
Aircraft shall vacate the runway within 50s from touchdown. If flight crew consider they cannot fulfill the process within the required time, flight crew shall inform APP controller before establishing the course.

2.4 重型航空器机组申请滑行前应向管制员报告“重型”或“HEAVY”。

2.4 The heavy aircraft crew should report "HEAVY" to the controller before applying for taxiing clearance.

2.5 地面风与跑道转换程序如下:

2.5 Ground wind and RWY conversion procedure:

(1) 当气象自动观测系统显示跑道顺风分量大于

(1) If the automatic meteorological observation system

3.5m/s，管制部门需要对跑道运行方向进行转换。

shows that the downwind speed is more than 3.5m/s, ATC shall change operation direction of RWY in use.

(2) 湿跑道或污染跑道条件下，当气象自动观测系统显示跑道为顺风，管制部门需要对跑道运行方向进行转换。

(2) Under wet or contaminated RWY conditions, when the automatic meteorological observation system shows that the downwind is on the RWY in use, ATC shall change operation direction of RWY in use.

(3) 在转换跑道方向时，管制员可根据运行情况，短时安排航空器使用顺风分量大于 3.5m/s 但小于 5m/s 起降，但需要通知航空器驾驶员地面风向、风速，如果因航空器性能限制等原因无法接受时，航空器驾驶员应立即告知管制员。

(3) When changing the direction of RWY in use, ATC shall instruct aircraft to take off or land with downwind speed more than 3.5m/s and less than 5m/s for short time accordig to operational condition, but shall inform pilot the ground wind direction and speed. If pilot cannot accept it due to aircraft performance limits or other reasons, inform ATC immediately.

2.6 机场冲突多发地带运行要求

2.6 Hot spot procedure

2.6.1 机动区冲突多发地带位置见 ZLXN AD2.24-1/2。

2.6.1 Refer to ZLXN AD2.24-1/2.

2.6.2 为减少运行差错，降低地面冲突和跑道入侵事件的发生概率，在机场活动区域内运行的航空器须严格按照以下要求运行。

2.6.2 For the purpose of reducing errors that lead to ground conflicts and runway incursions, aircraft operating within the maneuvering area must follow the requirements below:

2.6.3 HS1：A3 快速脱离道、F 滑行道与 A 滑行道交叉区域

2.6.3 HS1: INTERSECTION OF TWYs A3, F AND A

航空器在此复杂区域运行时需格外小心：此区域航空器地面交通流量大且存在交叉冲突，航空器在此区域运行时，需注意观察。（1）A3 脱离的航空器，要特别注意管制员发布的初始滑行指令，严格执行管制员滑行指令，防止滑错造成地面冲突；（2）航空器由 F 滑行道加入 A 滑行道前，必须得到管制员的许可。

Aircraft shall proceed with extreme caution before taxiing into this area, for the busy traffic flow and large cross conflicts. Aircraft shall acquire for ATC clearance when taxiing into TWY A via TWY F, and shall pay more attention to ATC initial instructions while vacating RWY via TWY A3.

2.6.4 HS2：A2 快速脱离道、C 滑行道与 A 滑行道交叉区域

航空器在此复杂区域运行时需格外小心：此区域航空器地面交通流量大且存在交叉冲突，航空器在此区域运行时，需注意观察（1）A2 脱离的航空器，要特别注意管制员发布的初始滑行指令，严格执行管制员滑行指令，防止滑错造成地面冲突；（2）航空器由 C 滑行道加入 A 滑行道前，必须得到管制员的许可。

2.6.4 HS2: INTERSECTION OF TWYs A2, C AND A

Aircraft shall proceed with extreme caution before taxiing into this area, for the busy traffic flow and large cross conflicts. Aircraft shall acquire for ATC clearance if when taxiing into TWY A via TWY C , and shall pay more attention to ATC initial instructions while vacating RWY via TWY A2.

2.6.5 HS3：跑道、A 滑行道与 D 滑行道交叉区域

航空器在此复杂区域运行时需格外小心：此区域航空器地面交通存在交叉冲突，航空器在此区域运行时，需注意观察（1）跑道与 A 滑行道之间的 D 滑行道，航空器禁止滑入，消防车进入时必须得到管制员的许可（2）航空器由 D 滑行道加入 A 滑行道前，必须得到管制员的许可。

2.6.5 HS3: INTERSECTION OF RWY，TWYs A AND D

Aircraft shall proceed with extreme caution before taxiing into this area, for the large cross conflicts. Aircraft are forbidden to enter TWY D between TWY A and RWY. Aircraft shall acquire for ATC clearance when taxiing into TWY A via TWY D south of TWY A.

2.6.6 HS4：11 号跑道等待点

航空器在此复杂区域运行时需格外小心：航空器、车辆和人员进入 11 号跑道之前必须得到管制员的许可。

2.6.6 HS4: RWY11 holding positon

Aircraft shall proceed with extreme caution before taxiing into this area. Aircraft shall acquire for ATC clearance when taxiing into RWY11.

2.6.7 HS5：29 号跑道等待点

航空器在此复杂区域运行时需格外小心：航空器、车辆和人员进入 29 号跑道之前必须得到管制员的许可。

2.6.7 HS5: RWY29 holding positon

Aircraft shall proceed with extreme caution before taxiing into this area. Aircraft shall acquire for ATC clearance when taxiing into RWY29.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 停机位翼展限制

3.1 Wing span limits for aircraft

停机位/Stands	航空器翼展限制/ Wing span limits for aircraft
107-110, 211	≤61m
204, 207	≤47.6m
101-103	≤38m
104-106, 111-119, 201-203, 205, 206, 208-210, 212-217	≤35.8m

3.2 停机位滑入、滑出规定

3.2 Taxiing rules for stands

停机位/Stands	滑入、滑出方式/ Enter or exit	机头朝向/ Nose direction	备注/Remarks
101-109, 212-215	Taxi in and push back	S	Aircraft with wing span limit 52-61m(included) should taxi in and taxi out stand Nr.107-109 via TWY C. When aircraft is parking or taxiing, the northbound lane is forbidden to use.
111-119	Taxi in and taxi out	N	
110, 211	Taxi in and taxi out	E	Aircraft with wing span no more than 61m(included) should taxi in stand Nr.110 via TWY C and taxi out stand Nr.110 via TWY D. When aircraft is parking or taxiing, the northbound

			lane, TWY T1(between TWY C and stand Nr.116) and stands Nr.116-119 are forbidden to use. Aircraft with wing span no more than 61m(included) should taxi in stand Nr.211 via TWY F and taxi out stand Nr.211 via TWY G.When aircraft is parking or taxiing, stands Nr.212-215 are forbidden to use.
201-210	Taxi in and push back	TML	
216, 217	Taxi in and push back	E	

3.3 停机位 201-203 上的航空器不能同时进出，停机位 208、209 上的航空器不能同时进出，停机位 209、210、216、217 上的航空器不能同时进出。

3.3 Stands Nr.201-203 are fobidden to enter or exit simultaneously.Stands Nr.208, 209 are fobidden to enter or exit simultaneously. Stands Nr. 209, 210, 216, 217 are fobidden to enter or exit simultaneously.

3.4 停机位 103、107、108、201-210 有桥载空调设备和 400Hz 电源设备。停机位 101、102 有 400Hz 桥载电源设备。

3.4 Bridge air conditioner and 400Hz power units on stands Nr. 103, 107, 108, 201-210 are available.Bridge power supply equipment on stands Nr. 101 and 102 are available.

4. 低能见度运行

无

4. Low visibility operation

Nil

5. 直升机飞行限制，直升机停靠区

5. Helicopter operation restrictions and helicopter parking/docking area

无

6. 警告

6.1 机场四面环山，进、离场的航空器要严格保持航迹，严禁偏离航线飞行。

6.2 机场 11 跑道起飞有较近障碍物等高线，应引起重视。若遇单发，请注意检查航迹和高度。

ZLXN AD 2.21 减噪程序

无

ZLXN AD 2.22 飞行程序

1. 总则

无

2. 起落航线

起落航线在跑道南侧进行，高度：A 类为 2850m；B、C、D 类均为 3150m。

3. 仪表飞行程序

严格按照航图中公布的进离场程序飞行，其中离场飞行优先使用 RNP 离场，次之使用传统程序离场；进场飞行优先使用 RNP 机场接 ILS/DME 进近，次之使用传统进场接 ILS/DME 进近；当遇到单发失效等特殊情况时，机组按各自航空公司手册执行。

Nil

6. Warning

6.1 Airport is among mountains, aircraft arriving or departing shall fly strictly along the routes. Deviation from route is forbidden.

6.2 Refer to AD2.10, obstacle 'NATURAL_HIGHPOINT' shall be taken more account of when taking off from RWY11, and in the situation of only one engine, aircraft shall check the track and attitude to avoid the obstacle.

ZLXN AD 2.21 Noise abatement procedures

Nil

ZLXN AD 2.22 Flight procedures

1. General

Nil

2. Traffic circuits

Traffic circuits shall be made to south side of RWY, at the altitude of 2850m for aircraft CAT A, and 3150m for aircraft CAT B/C/D.

3. IFR flight procedures

Strict adherence is required to the relevant arrival/departure procedures published in the aeronautical charts.Departure flight is given priority to use RNP departure than traditional departure procedure; Arrival flight is given priority to use RNP ILS/DME approach than ILS/DME approach, If single engine failure , the crew will follow their respective airline

4. 雷达程序和/或 ADS-B 程序

4.1 有 ADS-B 监视。西宁进近管制区内实施雷达管制，航空器最小水平间隔为不小于 5.6km。

4.2 本场二次雷达应答机操作程序：离场航空器，请求推出或开车时，选择 XPNDR 模式，进入跑道时，选择 TA/RA 模式；进场航空器，脱离跑道后，选择 XPNDR 模式，停到停机位后，选择 STBY 模式。

4.2.1 最低监视引导高度扇区

manuals.

4. Radar procedures and/or ADS-B procedures

4.1 With ADS-B surveillance. Radar control within Xining APP has been implemented. The minimum horizontal radar separation is no less than 5.6km.

4.2 Transponder operating procedures: for take-off aircraft, when requesting to push-back or start-up, select XPNDR mode, when entering the runway, select TA/RA mode; for landing aircraft, after vacating the runway, select XPNDR mode ,after parking the stand, select STBY mode.

4.2.1 Surveillance Minimum Altitude Sectors

sector1	ALT limit: 5200m or above
E102°20′26.16″N37°27′55.99″-E102°02′31.54″N37°18′46.73″-E101°43′42″N37°23′42″-E102°06′43.2″N37°26′44.88″-E102°20′26.16″N37°27′55.99″	
sector2	ALT limit: 5000m or above
E102°20′26.16″N37°27′55.99″-E103°00′59″N37°31′15″-E102°56′20.4″N36°59′51″-E102°30′04″N36°56′43″-E102°20′26.16″N37°27′55.99″	
sector3	ALT limit: 4450m or above
E102°30′04″N36°56′43″-E102°56′20.4″N36°59′51″-E102°54′01.08″N36°43′58.8″-E102°36′00.19″N36°35′39.95″-E102°25′39.36″N36°39′19.44″-E102°19′52.24″N36°35′50.18″-E102°12′08.28″N36°36′05.04″-E102°04′01.92″N36°45′46.44″-E102°16′04.8″N36°43′42.6″-E102°28′36.65″N36°43′43.1″-E102°32′08.17″N36°48′04.74″-E102°30′04″N36°56′43″	
sector4	ALT limit: 3900m or above
E102°54′01.08″N36°43′58.8″-E102°36′00.19″N36°35′39.95″-E102°25′39.36″N36°39′19.44″-E102°19′52.24″N36°35′50.18″-E102°12′08.28″N36°36′05.04″-E102°13′24.24″N36°34′33.6″-E102°19′09.84″N36°33′52.2″-E102°42′19"	

N36°28′15"-E102°53′15.25″N36°38′24.16″-E102°54′01.08″N36°43′58.8″	
sector5	ALT limit: 3350m or above
E102°50′08"N36°16′26"-E102°31′21"N36°19′25"-102°23′47.4″N36°21′00.36″-E102°14′12″N36°24′42″-E102°04′17.4″N36°24′31.32″-E101°52′34.32″N36°24′17.28″-E101°40′28.82″N36°28′25.72″-E101°31′48″N36°30′03″-E101°27′29.16″N36°35′05.64″-E101°28′19.32″N36°46′12.33″-E101°59′07.12″N36°53′39.99″-E102°04′01.92″N36°45′46.44″-E102°04′39″N36°34′24.6″-E102°08′09.96″N36°32′17.88″-E102°19′09.84″N36°33′52.2″-E102°42′19"N36°28′15"-102°53′15.25″N36°38′24.16″-E102°50′08"N36°16′26"	
sector6	ALT limit: 4700m or above
E102°50′08"N36°16′26"-E102°45′55″N35°46′56″-E102°20′43.8″N35°46′50.52″-E102°06′04″N36°17′03″-E102°19′07.33″N36°18′20.6″-E102°31′21"N36°19′25"-E102°50′08"N36°16′26"	
sector7	ALT limit: 5000m or above
centered at E102°21′53.82″N36°13′15.34″ with radius 6km	
sector8	ALT limit: 4470m or above
E102°20′43.8″N35°46′50.52″-E101°57′03.96″N35°46′42.24″-E101°54′46″N36°20′06.42″-E101°38′00.6″N36°22′20.28″-E101°22′06″N36°30′00″-E101°31′48″N36°30′03″-E101°40′28.82″N36°28′25.72″-E101°52′34.32″N36°24′17.28″-E102°04′17.4″N36°24′31.32″-E102°14′52.44″N36°22′42.96″-E102°17′43.63″N36°20′50.35″-E102°23′47.4″N36°21′00.36″-E102°31′21"N36°19′25"-E102°19′07.33″N36°18′20.6″-E102°06′04″N36°17′03″-E102°20′43.8″N35°46′50.52″	
sector9	ALT limit: 4750m or above
E101°57′03.96″N35°46′42.24″-E101°50′11.4″N35°46′36.48″-along the arc (Scope of Xining Approach Control Area)-E101°14′04.23″N36°03′39.18″-E101°33′55.85″N36°13′57.59″-E101°32′55.71″N36°20′28″-E101°10′03.01″N36°30′08.55″-E101°09′43.22″N36°33′27.32″-E101°19′06.05″N36°33′37.95″-E101°22′06″N36°30′00″-E101°38′00.6″N36°22′20.28″-E101°54′46″N36°20′06.42″-E101°57′03.96″N35°46′42.24″	
sector10	ALT limit: 5000m or above
centered at E101°40′02.94″N35°58′52.81″ with radius 10km	
sector11	ALT limit: 5350m or above
E101°14′04.23″N36°03′39.18″-E101°33′55.85″N36°13′57.59″-E101°32′55.71″N36°20′28″-E101°10′03.01″N36°30	

′08.55″-E101°01′08.04″N36°23′29.76″-along the arc (Scope of Xining Approach Control Area)-E101°14′04.23″N36°03′39.18	
sector12	ALT limit: 4150m or above
E101°33′40.44″N37°06′08.66″-E101°45′12.71″N37°04′15.23″-E101°54′23.94″N37°00′00.07″-E101°59′07.12″N36°53′39.99″-E101°28′19.32″N36°46′12.33″-E101°27′29.16″N36°35′05.64″-E101°31′48″N36°30′03″-E101°22′06″N36°30′00″-E101°19′06.05″N36°33′37.95″-E101°16′45.86″N36°36′27.42″-E101°18′18.16″N36°44′12.04″-E101°21′57.92″N36°51′04.24″-E101°36′00.81″N36°49′53.53″-E101°39′36.19″N36°55′42.66″-E101°32′34.05″N37°00′33.57″-E101°33′40.44″N37°06′08.66″	
sector13	ALT limit: 4500m or above
E101°00′45.6″N36°48′54.01″-along the arc (Scope of Xining Approach Control Area)-E101°02′00.93″N36°52′26.84″-E101°18′35.5″N36°51′50.66″-E101°25′46.57″N37°00′28.87″-E101°25′30.81″N37°07′22.84″-E101°33′40.44″N37°06′08.66″-E101°32′34.05″N37°00′33.57″-E101°39′36.19″N36°55′42.66″-E101°36′00.81″N36°49′53.53″-E101°21′57.92″N36°51′04.24″-E101°18′18.16″N36°44′12.04″-E101°16′45.86″N36°36′27.42″-E101°19′06.05″N36°33′37.95″-E101°09′43.22″N36°33′27.32″-E101°08′52.69″N36°41′53.11″-E101°00′45.6″N36°48′54.01″	
sector14	ALT limit: 4750m or above
E101°02′00.93″N36°52′26.84″-along the arc (Scope of Xining Approach Control Area)-E101°34′53.62″N37°22′27.46″-E101°43′42″N37°23′42″-E102°02′31.54″N37°18′46.73″-E102°20′26.16″N37°27′55.99″-E102°30′04″N36°56′43″-E102°32′08.17″N36°48′04.74″-E102°28′36.65″N36°43′43.1″-E102°16′04.8″N36°43′42.6″-E102°04′01.92″N36°45′46.44″-E101°59′07.12″N36°53′39.99″-E101°54′23.94″N37°00′00.07″-E101°45′12.71″N37°04′15.23″-E101°33′40.44″N37°06′08.66″-E101°25′30.81″N37°07′22.84″-E101°25′46.57″N37°00′28.87″-E101°18′35.5″N36°51′50.66″-E101°02′00.93″N36°52′26.84″	
sector15	ALT limit: 3500m or above
E102°04′01.92″N36°45′46.44″-E102°12′08.28″N36°36′05.04″-E102°13′24.24″N36°34′33.6″-E102°19′09.84″N36°33′52.2″-E102°08′09.96″N36°32′17.88″-E102°04′39″N36°34′24.6″-E102°04′01.92″N36°45′46.44″	
sector16	ALT limit: 3500m or above
E102°04′17.4″N36°24′31.32″-E102°14′52.44″N36°22′42.96″-E102°17′43.63″N36°20′50.35″-E102°23′47.4″N36°2	

1′00.36″-E102°14′12″N36°24′42″-E102°04′17.4″N36°24′31.32″	
sector17	ALT limit: 4800m or above
centered at E101°36′07.98″N36°16′50.98″ with radius 6km	
sector18	ALT limit: 5000m or above
E101°01′08.04″N36°23′29.76″-along the arc (Scope of Xining Approach Control Area)-E101°00′45.6″N36°48′54.01″-E101°08′52.69″N36°41′53.11″-E101°10′03.01″N36°30′08.55″-E101°01′08.04″N36°23′29.76″	

5. 无线电通信失效程序

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。

6. 目视飞行程序

经 ATC 许可，西宁进近管制区范围内实施目视间隔和目视进近运行。

等待：在机场上空、跑道南侧进行。

7. 目视飞行航线

无

8. 其它规定

本场范围内的飞越活动，严格听从 ATC 指挥。

5. Radio communication failure procedures

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

6. Procedures for VFR flights

Visual separation and visual approach implemented within Xining APP by ATC clearance.

Holding over aerodrome or South of RWY.

7. VFR route

Nil

8. Other regulations

Fly over activities within aerodrome shall strictly follow with ATC instruct.

ZLXN AD 2.23 其它资料

鸟情资料

1.1 鸟情资料:

机场飞行区全年有鸟类活动。鸟类的种类和数量表现为：每年 1-3 月为平稳期，3-6 月为上升期，7-10 月

ZLXN AD 2.23 Other information

Bird’s information

1.1 Activities of bird flocks are found all the year round. Performance of birds activities in whole year: steady period from January to March, rised period from

为高峰期，11-12 月为下降期。机场配备了驱鸟设备，并采取了驱赶措施以减少鸟群活动。

March to June, peak period from July to October, and descent period from November to December. Aerodrome is equipped with bird dispersal equipment, and Aerodrome Authority resorts to dispersal methods to reduce bird activities.

1.2 鸟情信息

1.2 The details of bird activities as follows:

Species name	Prime activity time	Primary activity area	Height of activity（m）	Gregariousness
Horned lark	November-February (next year)	North side of Air field area	0-20	Alone, Cluster
Skylark	Annual	Air field area	0-20	Alone, Cluster
Swift	May-July	East and West Protection Zone of Air field area	0-100	Alone, Cluster
Strepkestrel	Annual	Air field area	0-200	Alone
Kestrel	Annual	Air field area	0-200	Alone
Falcon	Annual	Air field area	0-200	Alone
Sparrow hawk	Annual	Air field area	0-200	Alone
Littleowl with long bellied belly	Annual	North side and Southwest side of Air field area	0-200	Alone
Bubo bubo	Annual	Air field area	0-200	Alone
Nightingale	Annual	North side of Air field area	0-200	Alone
Columba rubus	Annual	North side of Air field area	0-20	Cluster

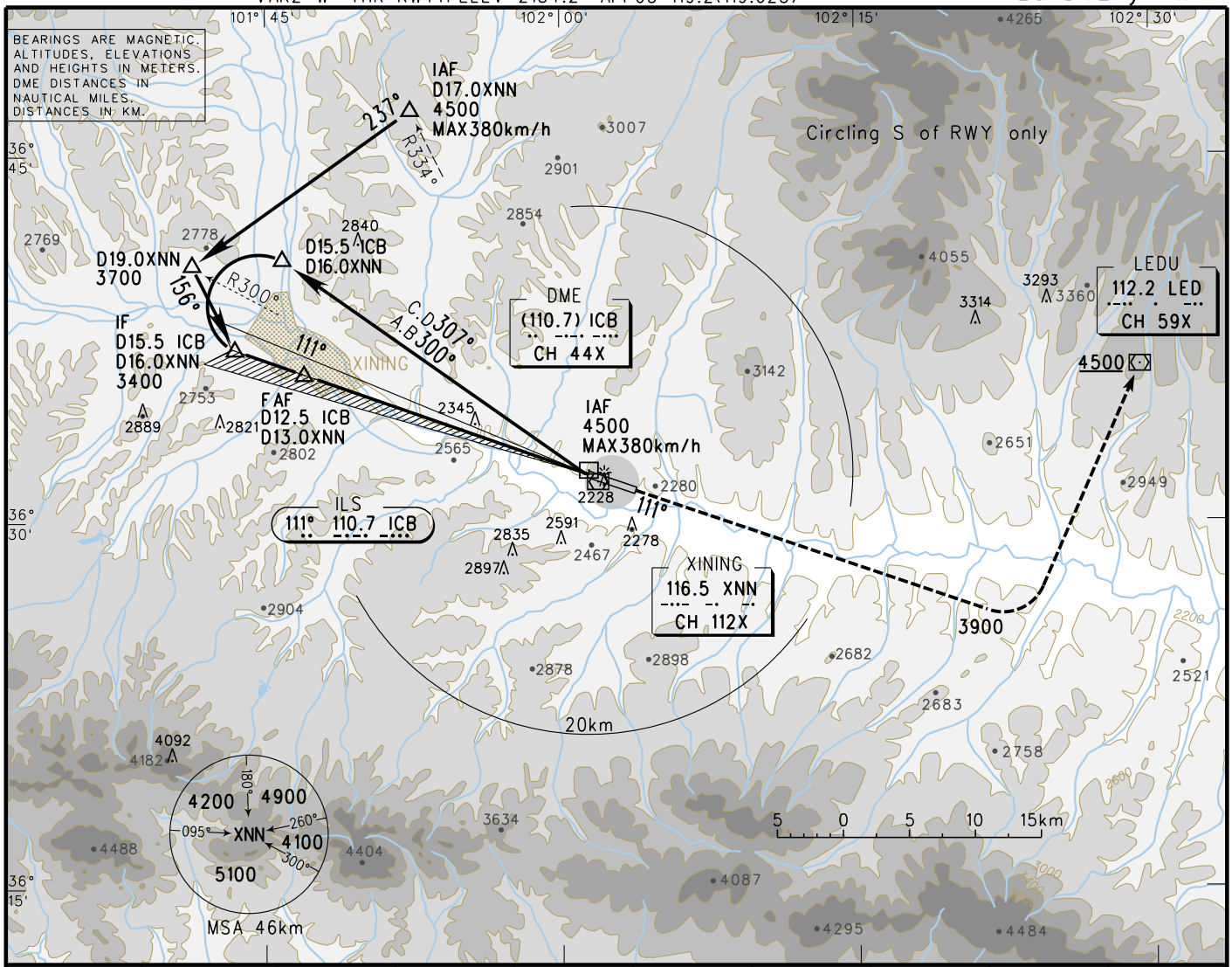
Brachydactylus asiatica	April-October	Air field area	0-20	Cluster
Wagtail	April-September	Air field area	0-20	Alone
Magpie	Annual	Air field area	0-100	Alone, Cluster
The red-billed mountain jay	Annual	Air field area	0-100	Alone, Cluster

INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 2184.2
VAR2° W THR RWY11 ELEV 2184.2

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

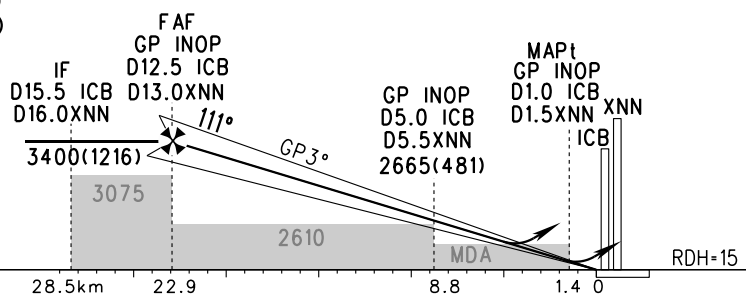
ZLXN XINING/Caojiapu
ILS/DME y RWY11



GP INOP	DME (ICB) (NM)	14	12	10	8	6	4	2	0
	ALT (m)		3346	3151	2957	2763	2569		

TL 5400
TA 4800
5100(QNH ⩾1031hPa)
4500(QNH ⩽979hPa)

MISSED APPROACH
Climb straight ahead to 3900, then turn LEFT to 'LED' at 4500 or above, contact ATC.



	A	B	C	D
ILS/DME DA(H) RVR/VIS	2254(70) 550/800		2259(75) 550/800	
GP INOP MDA(H) VIS	2424(240) 3700			
CIRCLING MDA(H) VIS	2430(246) 4400	2700(516) 5000	2960(776) 5000	3020(836) 5000

FAF-MAPt(GP INOP) 21.5km

GS in kt / km/h	80 150	100 185	120 220	140 260	160 295	180 335
Time min:sec	8:43	6:58	5:49	4:59	4:21	3:52
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

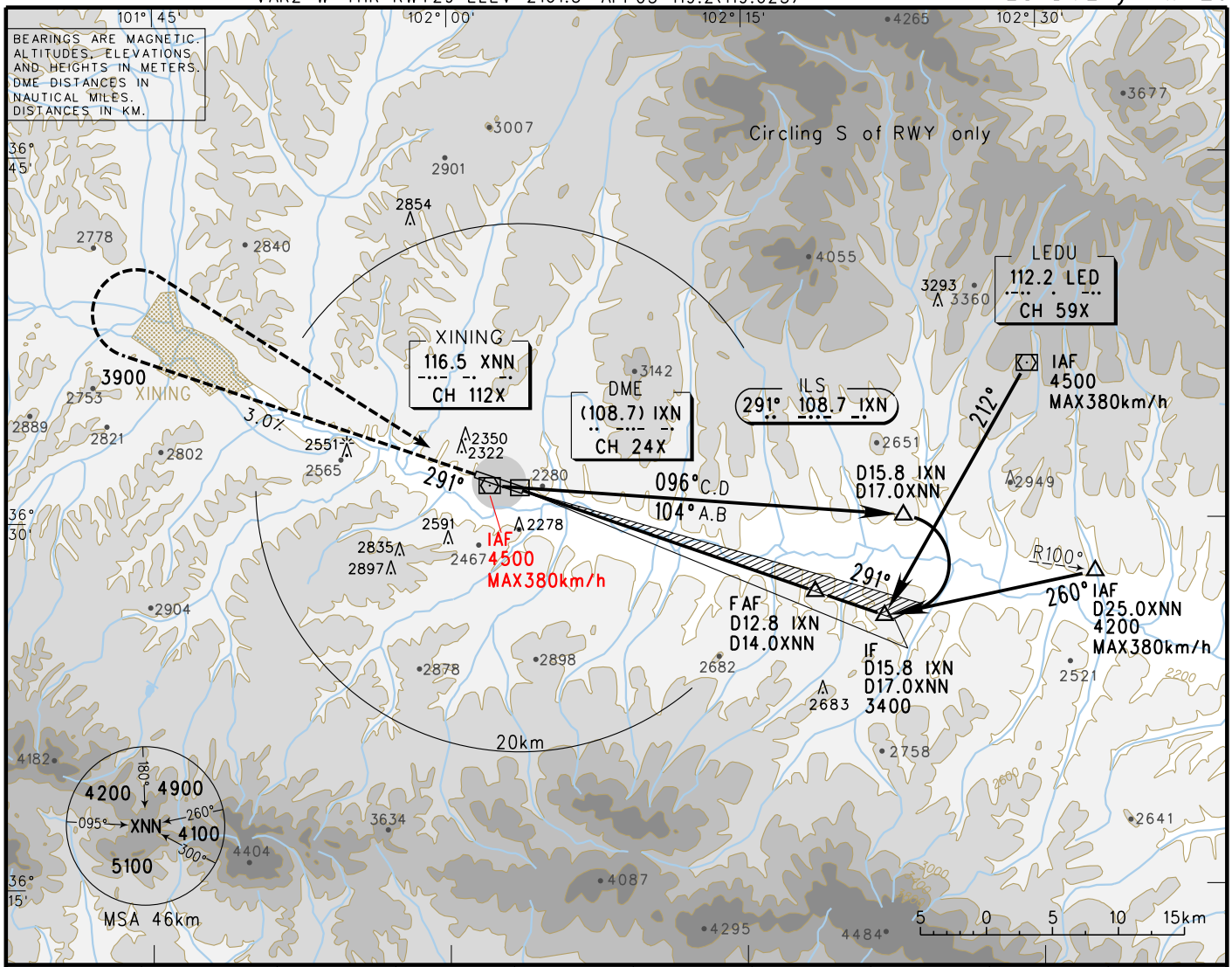
Changes: Nil.

INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 2184.2
VAR 2° W THR RWY29 ELEV 2161.3

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu
ILS/DME y RWY29

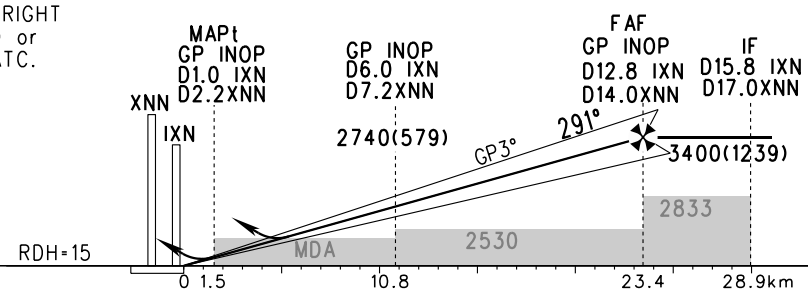


GP INOP	DME (IXN) (NM)	0	2	4	6	8	10	12	14
	ALT (m)			2550	2744	2938	3132	3326	

MISSED APPROACH

Climb straight ahead to 3900, then turn RIGHT to 'XNN' at 4500 or above, contact ATC.

TL 5400
TA 4800
5100(QNH ≥ 1031hPa)
4500(QNH ≤ 979hPa)



		A	B	C	D
ILS/DME Ⓐ	DA(H)	2246(85)		2251(90)	
	RVR/VIS	1000/1000		1000/1000	
GP INOP Ⓐ	MDA(H)	2426(265)			
	VIS	4400			
CIRCLING	MDA(H)	2430(246)	2700(516)	2960(776)	3020(836)
	VIS	4400	5000	5000	5000

FAF-MAPt(GP INOP) 21.9km

GS in kt	80	100	120	140	160	180
GS in km/h	150	185	220	260	295	335
Time min:sec	8:51	7:05	5:54	5:03	4:25	3:56
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

Ⓐ **Note:** Missed APCH climb gradient 3.0%.

Changes: XNN speed limitation.

AERODROME CHART

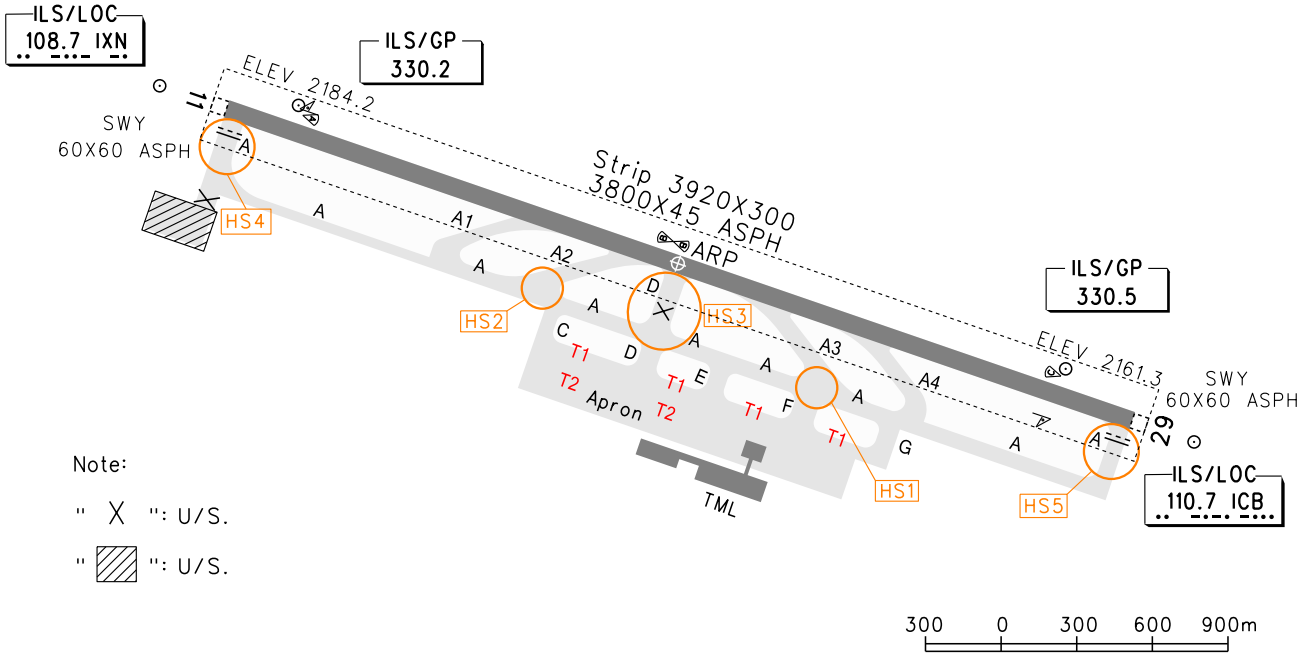
D-ATIS 126.85
TWR 118.5(124.35)
GND 121.6(DCL AVBL)

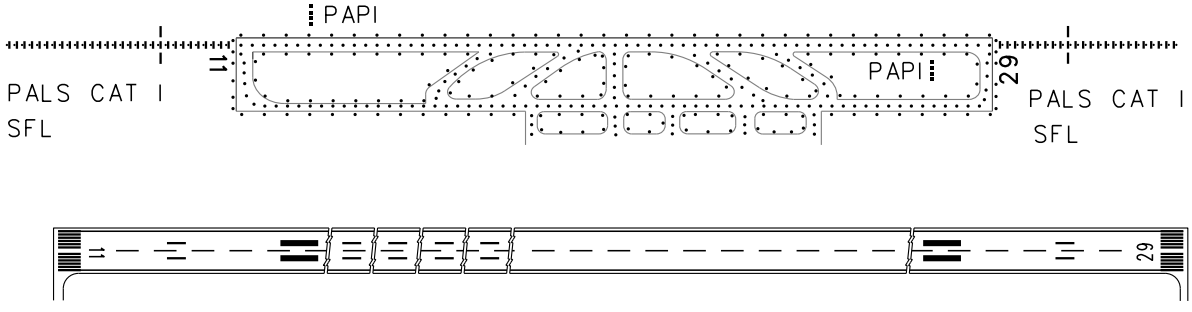
ZLXN XINING/Caojiapu

N36° 31.9'E102° 02.3' ELEV 2184.2m

RWY	Direction	Bearing strength
11	111°	PCR 1510/F/C/W/T: RWY11/29 ASPH PCR 1880/F/D/W/T:TWY T2(FM west to east 0-148m) PCR 1650/F/C/W/T:TWY A(vertical to RWY29) PCR 1580/F/C/W/T:TWY A3 PCR 1530/F/C/W/T:TWY A1 PCR 1420/F/D/W/T:TWY A(parallel to RWY11/29) PCR 1350/F/C/W/T:TWY A4 PCR 1200/F/D/W/T:TWY A2 PCR 1070/F/C/W/T:TWY A(vertical to RWY11) PCR 890/R/B/W/T:TWY C, D, E, F, G PCR 650/R/A/W/T:TWY T1 PCR 640/R/A/W/T:TWY T2(FM west to east 148-602m)
29	291°	

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





TAKE-OFF MINIMA(WITH RELIABLE ALTN)(m)						LIGHTS	
ACFT Type		RWY11		RWY29		RWY11	RWY29
		REDL	NIL(Day only)	REDL	NIL(Day only)		
2 TURB ENG or 3&4 ENG	A B C D	RVR550 VIS800		RVR550 VIS800		PALS CAT I SFL PAPI REDL RCLL RENL	PALS CAT I SFL PAPI REDL RCLL RENL
Other 1&2 ENG		VIS1600					
Note:							

Changes: PCR, T1, T2.

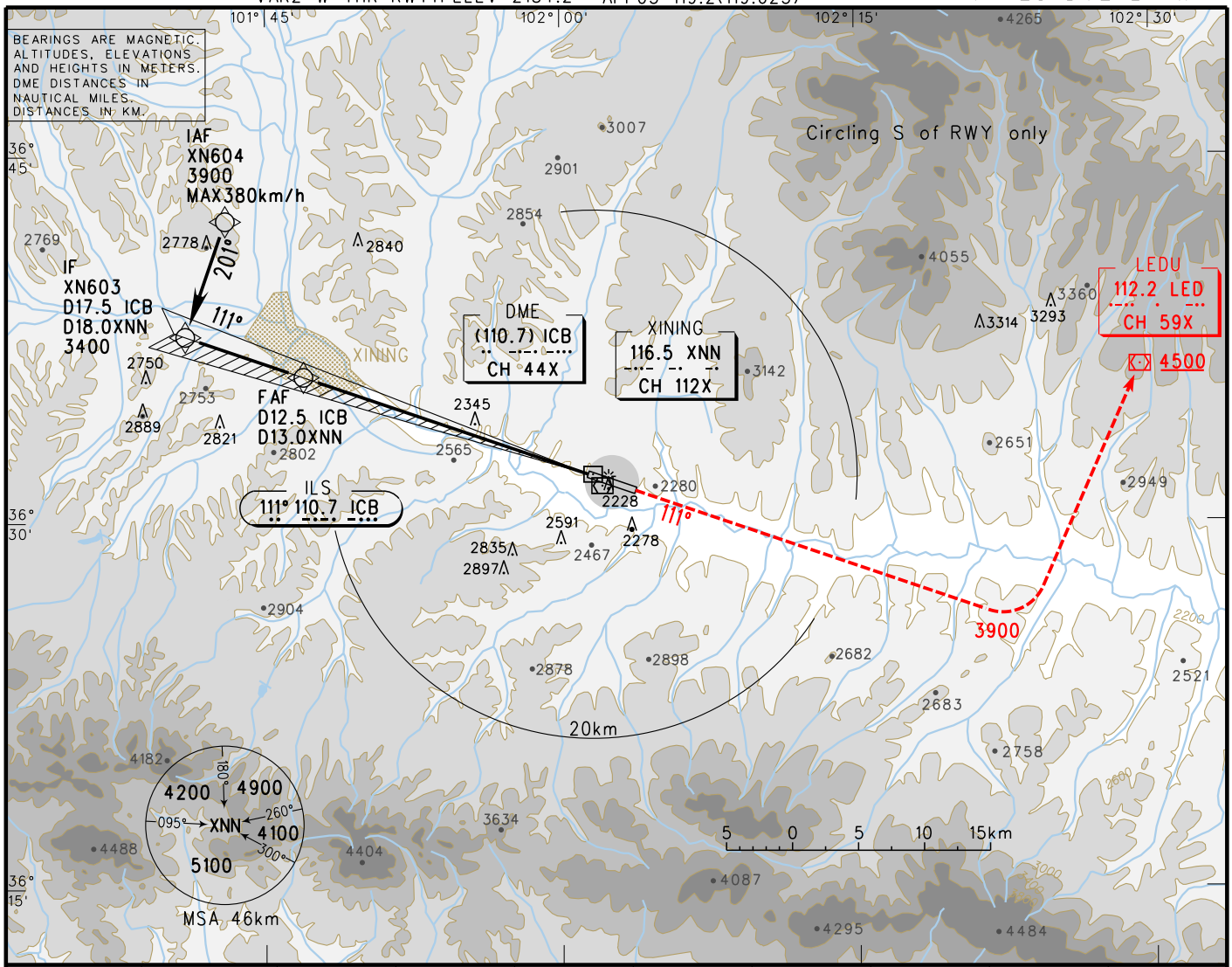
INSTRUMENT APPROACH CHART-ICAO

AERODROME ELEV 2184.2
VAR2° W THR RWY11 ELEV 2184.2

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

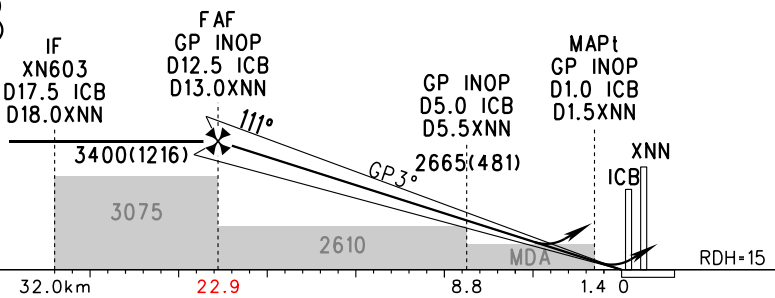
ZLXN XINING/Caojiapu

RNP ILS/DME z RWY11



GP INOP	DME (ICB) (NM)	14	12	10	8	6	4	2	0
	ALT (m)		3346	3151	2957	2763	2569		

TL 5400
TA 4800
5100(QNH ⩾1031hPa)
4500(QNH ⩽979hPa)



MISSED APPROACH

Climb straight ahead to 3900, then turn LEFT to 'LED' at 4500 or above, contact ATC.

	A	B	C	D
ILS/DME DA(H) RVR/VIS	2254(70) 550/800		2259(75) 550/800	
GP INOP MDA(H) VIS	2424(240) 3700			
CIRCLING MDA(H) VIS	2430(246) 4400	2700(516) 5000	2960(776) 5000	3020(836) 5000

FAF-MAPt(GP INOP) 21.5km

GS in kt km/h	80 150	100 185	120 220	140 260	160 295	180 335
Time min:sec	8:43	6:58	5:49	4:59	4:21	3:52
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

Changes: Missed approach.

INSTRUMENT APPROACH CHART-ICAO

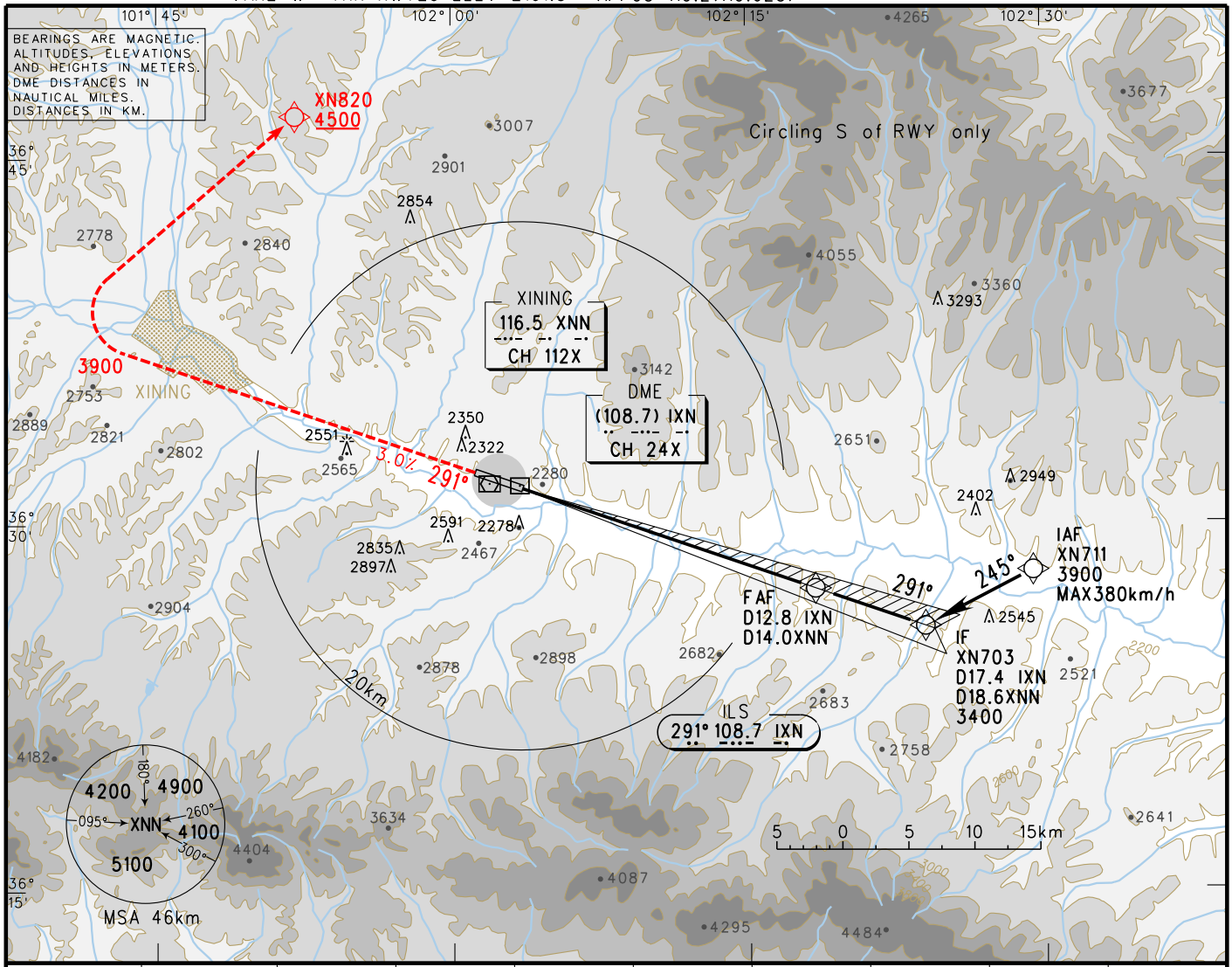
VAR2° W

AERODROME ELEV 2184.2
THR RWY29 ELEV 2161.3

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RNP ILS/DME z RWY29

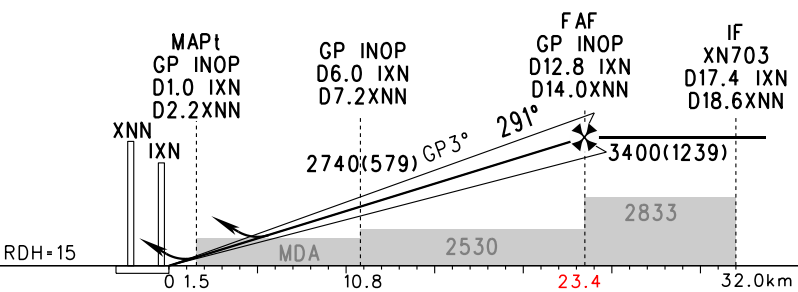


GP INOP	DME (IXN) (NM)	0	2	4	6	8	10	12	14
	ALT (m)			2550	2744	2938	3132	3326	

MISSED APPROACH

Climb straight ahead to 3900, then turn RIGHT to XN820 at 4500 or above, contact ATC.

TL 5400
TA 4800
5100(QNH ≥ 1031hPa)
4500(QNH ≤ 979hPa)



	A	B	C	D
ILS/DME A DA(H)	2246(85)		2251(90)	
RVR/VIS	1000/1000		1000/1000	
GP INOP A MDA(H)	2426(265)			
VIS	4400			
CIRCLING MDA(H)	2430(246)	2700(516)	2960(776)	3020(836)
VIS	4400	5000	5000	5000

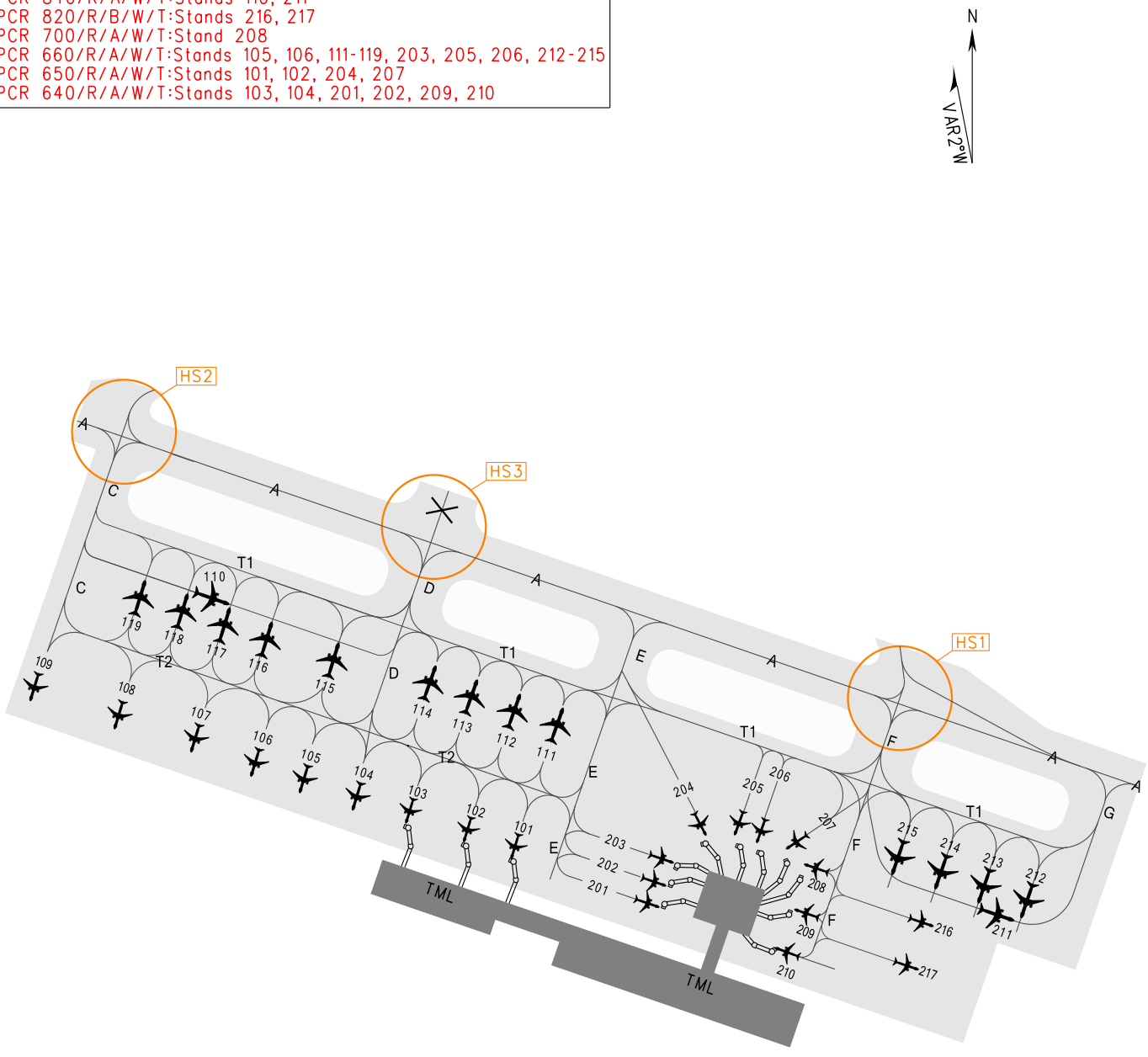
FAF-MAPt(GP INOP) 21.9km

GS in kt	80	100	120	140	160	180
km/h	150	185	220	260	295	335
Time min:sec	8:51	7:05	5:54	5:03	4:25	3:56
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

A **Note:** Missed APCH climb gradient 3.0%.

Changes: Missed approach, landing minima.

Bearing strength
PCR 1880/F/D/W/T:Stands 107-109
PCR 840/R/A/W/T:Stands 110, 211
PCR 820/R/B/W/T:Stands 216, 217
PCR 700/R/A/W/T:Stand 208
PCR 660/R/A/W/T:Stands 105, 106, 111-119, 203, 205, 206, 212-215
PCR 650/R/A/W/T:Stands 101, 102, 204, 207
PCR 640/R/A/W/T:Stands 103, 104, 201, 202, 209, 210



Changes: PCR.

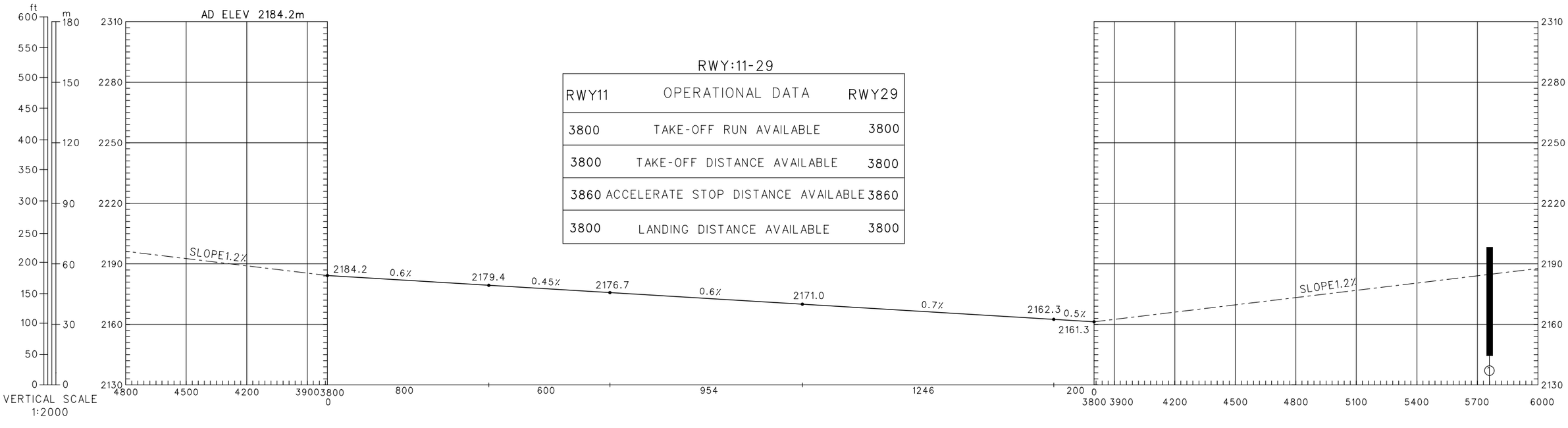
DIMENSIONS AND ELEVATIONS IN METERS BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO

TYPE A(OPERATING LIMITATIONS)

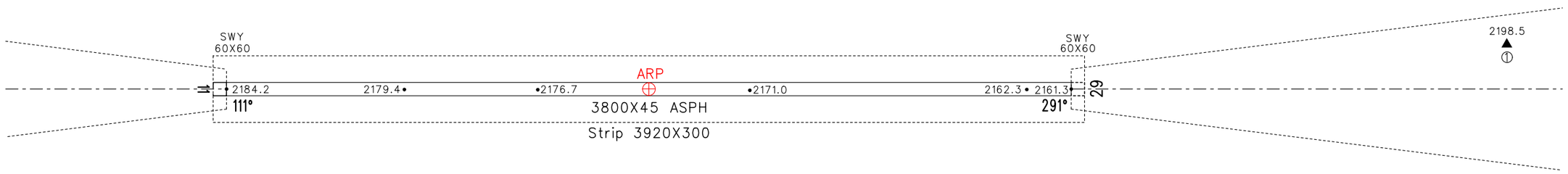
ZLXN XI'NING/Caojiapu

MAGNETIC VARIATION 2° W

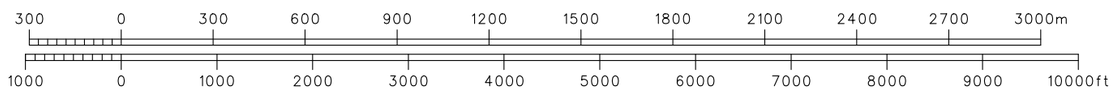


RWY:11-29

RWY11	OPERATIONAL DATA	RWY29
3800	TAKE-OFF RUN AVAILABLE	3800
3800	TAKE-OFF DISTANCE AVAILABLE	3800
3860	ACCELERATE STOP DISTANCE AVAILABLE	3860
3800	LANDING DISTANCE AVAILABLE	3800



HORIZONTAL SCALE
1:20000



LEGEND	
①	IDENTIFICATION Nr.
▲	MOUNTAIN

AMENDMENT RECORD		
Nr.	DATE	ENTERED BY

Changes: Delete RWY center circle, add ARP

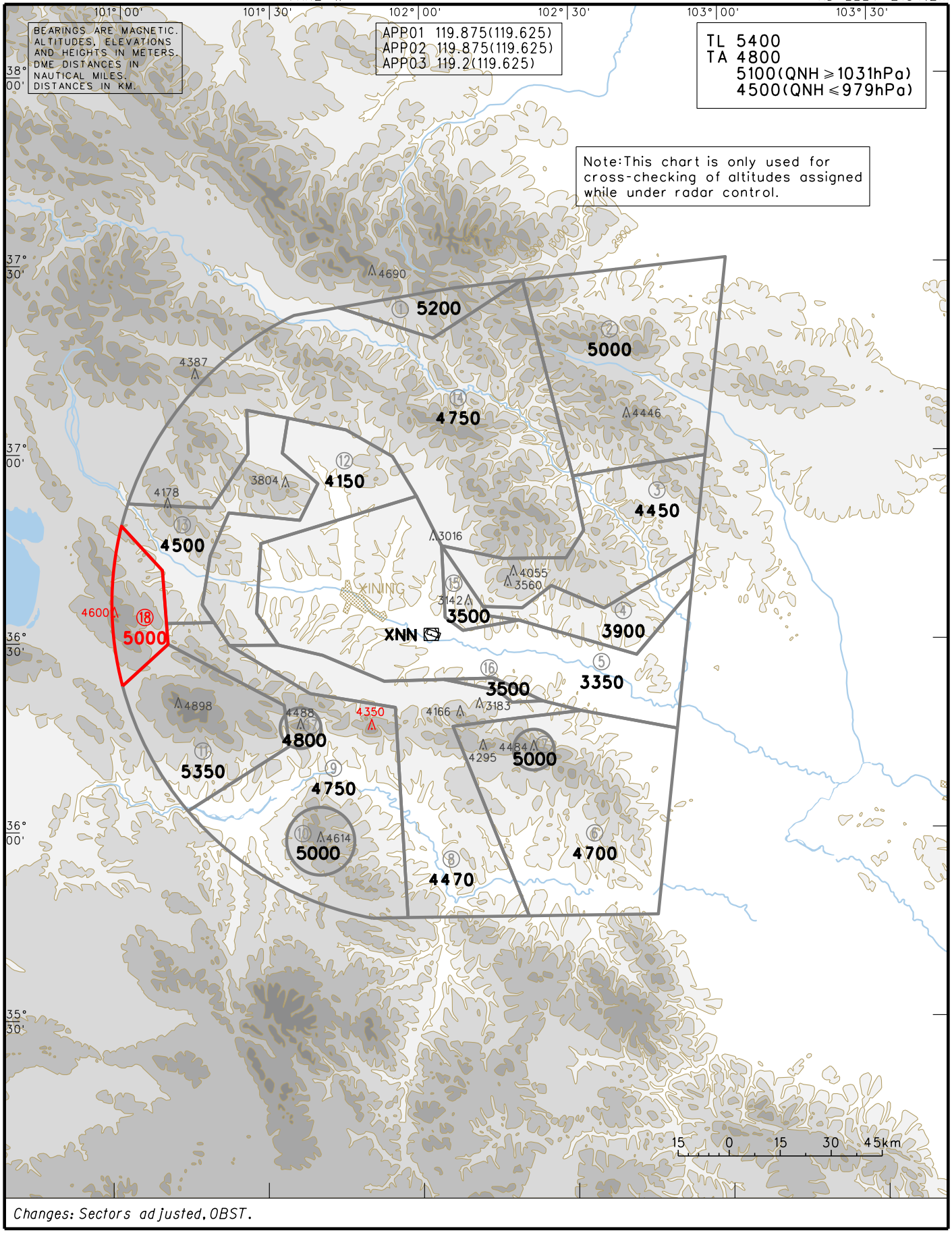
ATC SURVEILLANCE MINIMUM ALTITUDE CHART

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)

ZLXN XINING/Caojiapu

AD ELEV 2184.2m



Changes: Sectors adjusted, OBST.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RWY11

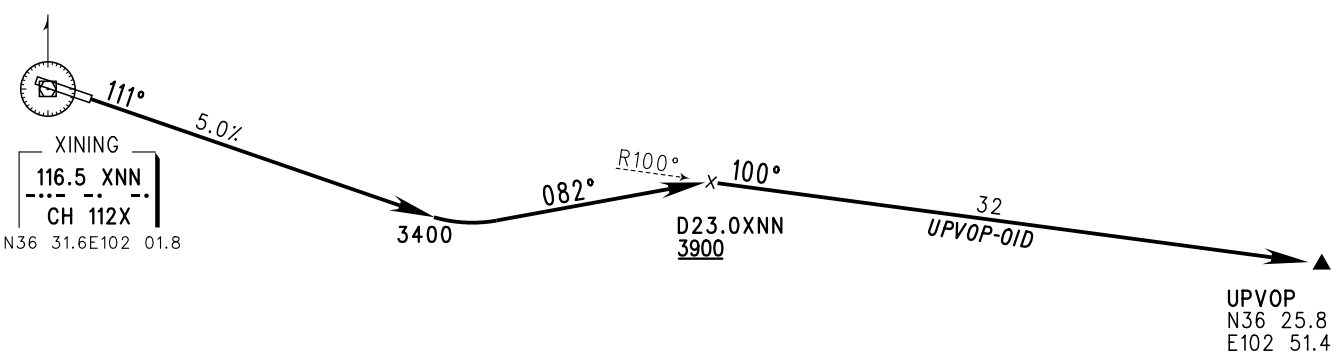
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

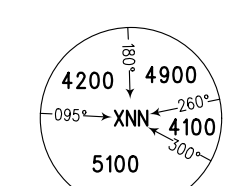
N

NOT TO SCALE

TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

Departure turn MAX IAS 380kmH





MSA 46km

Changes: Procedure.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RWY29

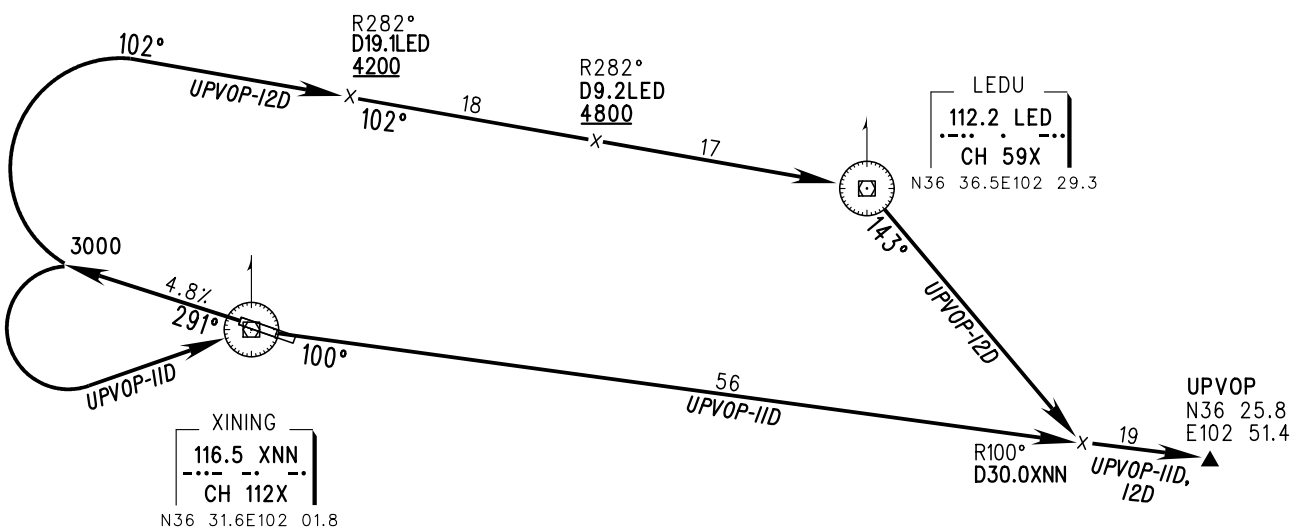
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

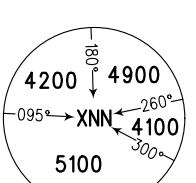
TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

N

NOT TO SCALE

Departure turn MAX IAS 380kmH





MSA 46km

Changes: Procedure.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RNP RWY11

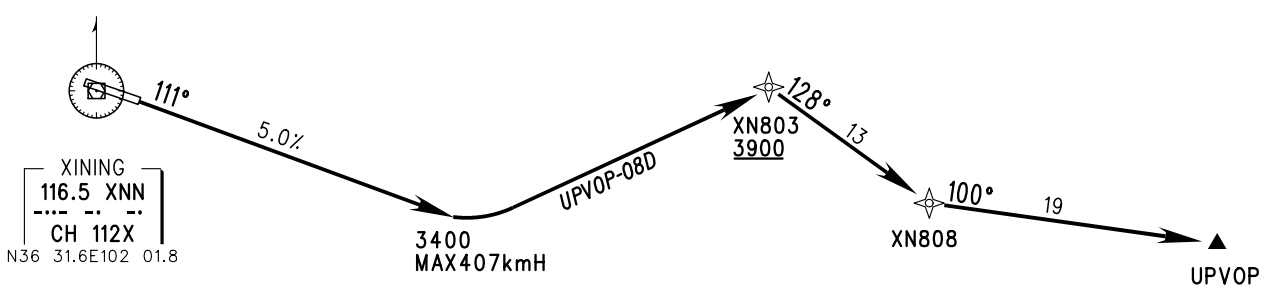
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

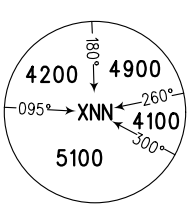
TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

1. GNSS REQUIRED
2. RNP1

N

NOT TO SCALE





MSA 46km

Changes: Procedure, chart name.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RNP RWY29

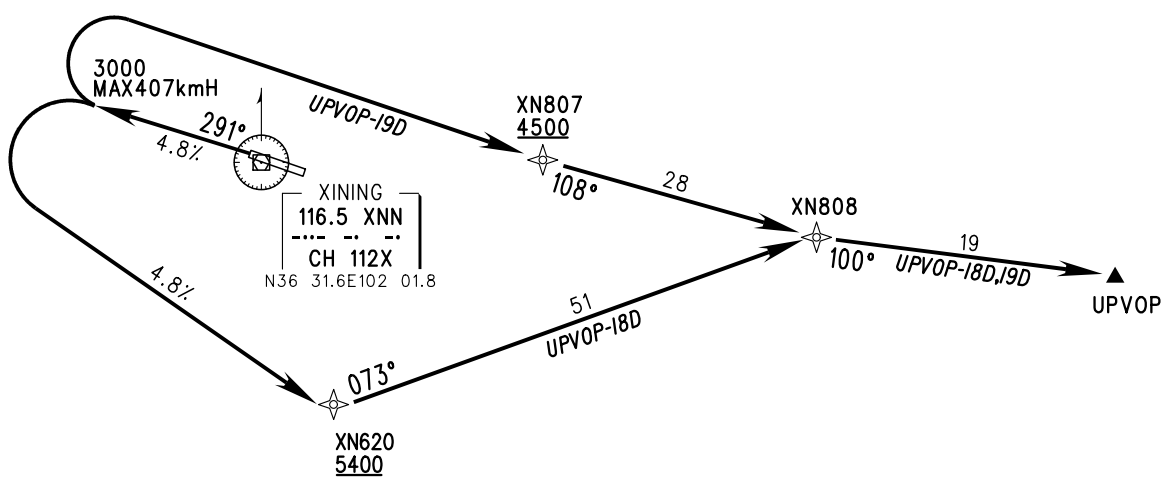
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

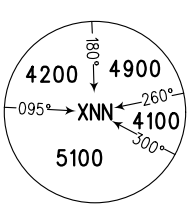
TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

1. GNSS REQUIRED
2. RNP1

N

NOT TO SCALE





MSA 46km

Changes: Procedure, chart name.

STANDARD ARRIVAL CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

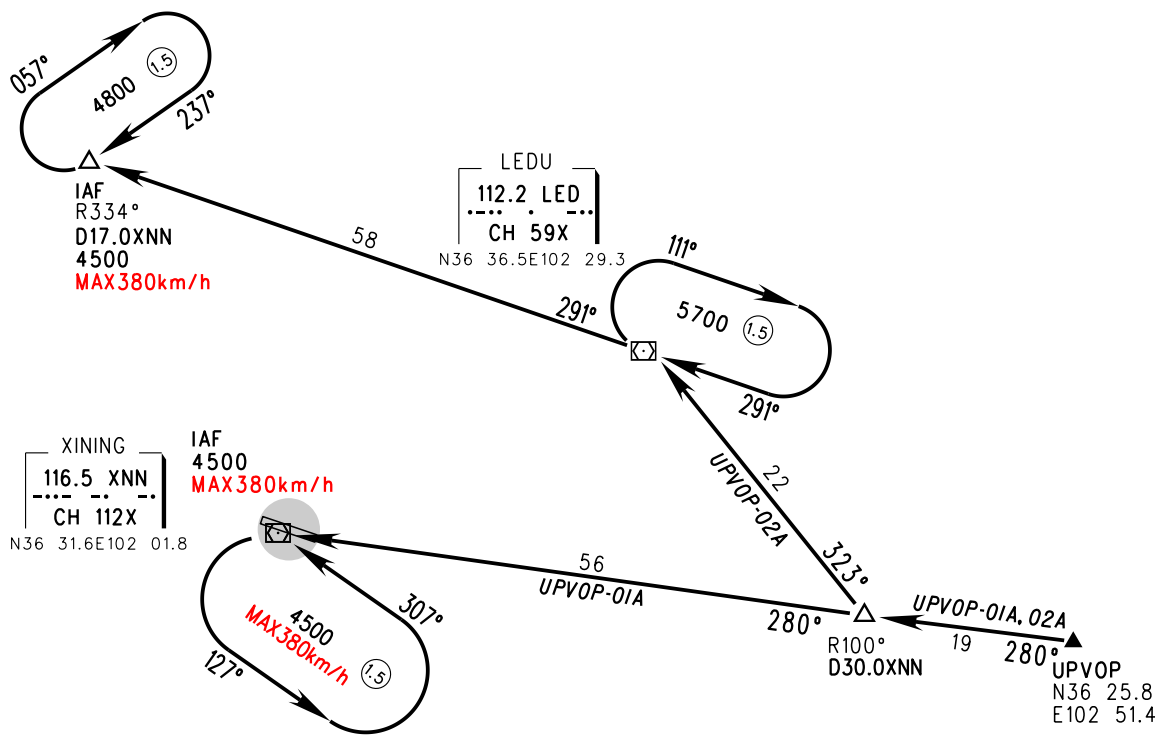
ZLXN XINING/Caojiapu
RWY11

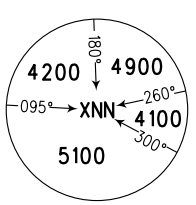
BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 5400
TA 4800
5100(QNH≥1031hPa)
4500(QNH≤979hPa)

N

NOT TO SCALE





MSA 46km

Changes: Speed limits.

STANDARD ARRIVAL CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RWY29

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

TL 5400
TA 4800
5100(QNH≥1031hPa)
4500(QNH≤979hPa)

N

NOT TO SCALE

XINING
116.5 XNN
CH 112X
N36 31.6E102 01.8

LEDU
112.2 LED
CH 59X
N36 36.5E102 29.3

IAF
4500
MAX380km/h

212°
4500
MAX380km/h
L
032°

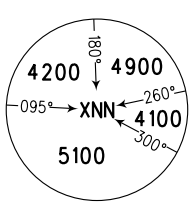
UPVOP-I2A
16
344°

R100° XNN

IAF
D25.0XNN
4200
MAX380km/h

29
UPVOP-IIA,I2A
280°

UPVOP
N36 25.8
E102 51.4



MSA 46km

Changes: Speed limits.

STANDARD ARRIVAL CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RNP RWY11

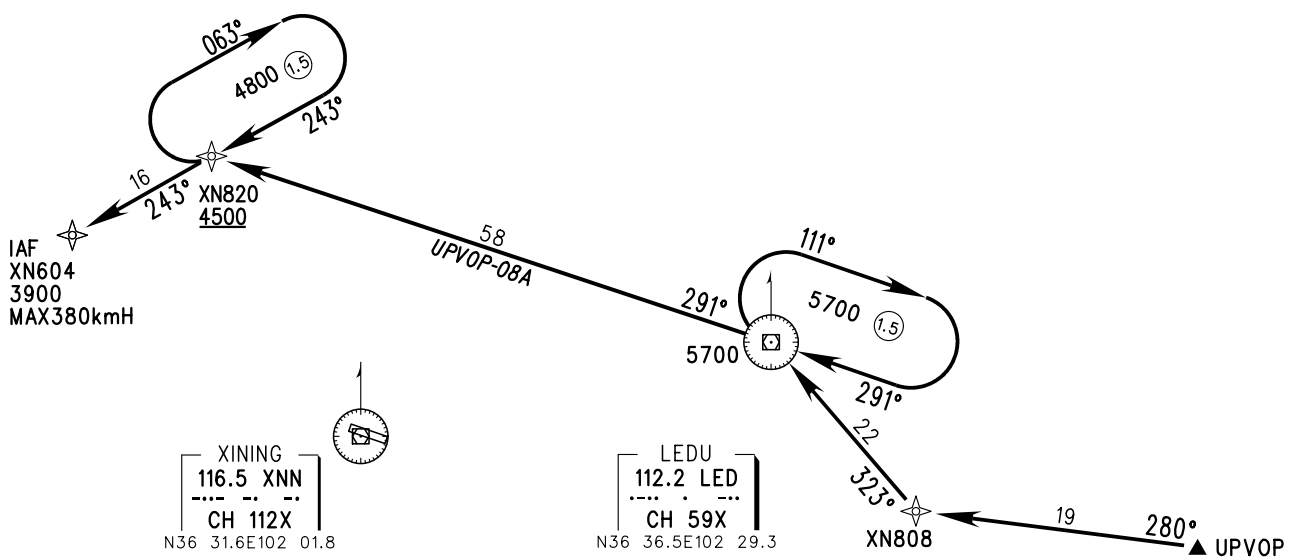
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

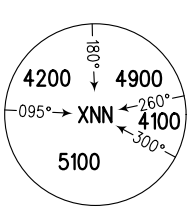
TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

1. GNSS REQUIRED
2. RNP1

N

NOT TO SCALE





MSA 46km

Changes: Procedures, chart name.

STANDARD ARRIVAL CHART-INSTRUMENT

VAR2° W

D-ATIS 126.85
TWR 118.5(124.35)
APP01/02 119.875(119.625)
APP03 119.2(119.625)

ZLXN XINING/Caojiapu

RNP RWY29

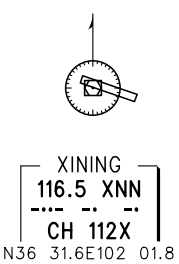
BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS
DME DISTANCES IN NAUTICAL MILES
DISTANCES IN KM

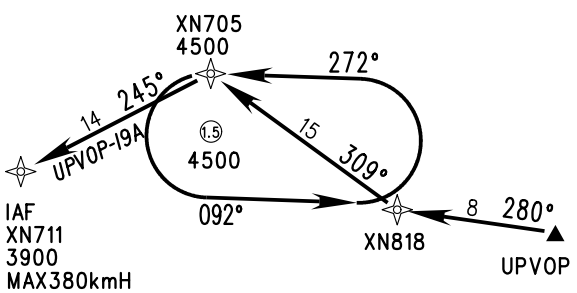
TL 5400
TA 4800
5100 (QNH≥1031hPa)
4500 (QNH≤979hPa)

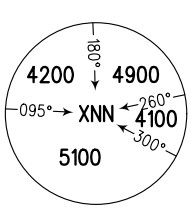
1. GNSS REQUIRED
2. RNP1

N

NOT TO SCALE







MSA 46km

Changes: Procedures, chart name.

WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES
XN603	N36° 37'47.8"E101° 40'43.6"				
XN604	N36° 42'31.8"E101° 42'45.1"				
XN620	N36° 18'17.7"E102° 06'35.8"				
XN703	N36° 25'47.0"E102° 23'57.6"				
XN705	N36° 31'29.1"E102° 37'53.4"				
XN711	N36° 28'03.3"E102° 29'26.0"				
XN803	N36° 31'37.5"E102° 31'40.0"				
XN807	N36° 31'42.5"E102° 20'35.3"				
XN808	N36° 27'24.6"E102° 38'42.9"				
XN818	N36° 26'32.0"E102° 46'04.3"				
XN820	N36° 46'44.5"E101° 52'02.8"				
LED	N36° 36.5'E102° 29.3'				
UPVOP	N36° 25'50"E102° 51'26"				

Changes: New chart.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
RWY11 SID UPVOP-08D								
CA			111		3400	MAX407		RNP1
DF	XN803			L	3900			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1
RWY29 SID UPVOP-18D								
CA			291		3000	MAX407		RNP1
DF	XN620			L	5400			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1
RWY29 SID UPVOP-19D								
CA			291		3000	MAX407		RNP1
DF	XN807			R	4500			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1
RWY11 STAR UPVOP-08A								
IF	UPVOP							RNP1
TF	XN808							RNP1
TF	LED				5700			RNP1
TF	XN820				4500			RNP1
TF	XN604				3900	MAX380		RNP1
RWY11 Approach Transition XN604								
IF	XN604				3900	MAX380		RNP1
TF	XN603				3400			RNP1
RWY11 Missed Approach								
CA			111		3900	MAX380		RNP1
DF	LED			L	4500			RNP1
RWY11 Holding(Outbound Time:1.5min)								
HM	LED	Y	291	R	5700			RNP1
HM	XN820	Y	243	R	4800			RNP1
RWY29 STAR UPVOP-19A								
IF	UPVOP							RNP1
TF	XN818							RNP1
TF	XN705				4500			RNP1
TF	XN711				3900	MAX380		RNP1
RWY29 Approach Transition XN711								
IF	XN711				3900	MAX380		RNP1
TF	XN703				3400			RNP1

Changes: RWY11 Missed Approach.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
RWY29 Missed Approach								
CA			291		3900	MAX380		RNP1
DF	XN820			R	4500			RNP1
RWY29 Holding(Outbound Time:1.5min)								
HM	XN705	Y	272	L	4500			RNP1

Changes: RWY29 Missed Approach.