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	Tanker (35000L, 25000L, 22000L, 20000L, 18500L), pressure fueling 13.3L/s, gravity fueling 4.5L/s; pipeline fueling 20L/s; apron fueling well 100L/s
5	除冰设施 De-icing facilities	7 De-icers, de-icing fluid CLEANWING-I, CLEANWING-II, Deicing apron
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, power supply vehicle, air source vehicle, clean water vehicle, sewage vehicle, wheelchair for disabled persons, tow truck, guidance vehicle

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, snow-throwing vehicle
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	道面 Surface	CONC

	strength	强度 Strength	PCR 840/R/A/W/T : Stands Nr. 211, 301-330, 334-337, 601-604, 603R PCR 360/R/A/W/T : Stands Nr. 501-518
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	75m : B11, B12 70m : B3-B10 46m : B2 30m : A1, A2, A5, A6 28m : A3, A4 23m : A, B, B1, B13, B14 10m : H1, H2
		道面 Surface	ASPH : A, A1-A6 CONC : B, B1-B14, C, E, G1-G3, H1, H2, H4-H8
		强度 Strength	PCR 1650/F/C/W/T : A6 PCR 1580/F/C/W/T : A4 PCR 1530/F/C/W/T : A2 PCR 1420/F/D/W/T : A PCR 1350/F/C/W/T : A5 PCR 1200/F/D/W/T : A3 PCR 1070/F/C/W/T : A1 PCR 880/R/A/W/T : B, C, H4-H8 PCR 840/R/A/W/T : B1-B14 PCR 360/R/A/W/T : E, G1-G3, H1, H2
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	Taxiing guidance signs at all intersections of TWY and RWY. Aircraft stand identification sign boards at all 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, Center circle

		跑道灯光 RWY lights	RTHL, WBAR, REDL, RCLL, RENL
		滑行道标志 TWY markings	Edge line, center line, enhanced TWY center line, No-entry, RWY holding position, intermediate holding position
		滑行道灯光 TWY lights	Edge line lights, center line lights, No-entry bar , RETILs, intermediate holding position lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	Stop bar lights: Runway guard lights: at the intersection of TWY A1 and RWY, TWY A6 and RWY	
4	其它跑道保护措施 Other runway protection measures	Nil	
5	备注 Remarks	Nil	

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
BLDG 007	BLDG	106/5335	2226.7		Significant obstacle

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
MT 008	MT	108/3865	2198.5		RWY11 take-off path
Pole 009	Pole	121/1833	2183.4	RED	
Pole 010	Pole	143/728	2193.1	RED	
Pole 011	Pole	147/663	2193.3	RED	
Pole 012	Pole	159/523	2194.2	RED	
MT 013	MT	159/3869	2278.0		Circling CAT A
Pole 014	Pole	161/494	2194.3	RED	
Pole 015	Pole	161/553	2194.1	RED	
Pole 016	Pole	165/472	2194.4	RED	
Pole 017	Pole	165/595	2193.4	RED	
Pole 018	Pole	168/454	2194.4	RED	
MT 019	MT	170/13458	2898.5		
Pole 020	Pole	172/483	2194.3	RED	
Pole 021	Pole	176/538	2194.0	RED	
Pole 022	Pole	194/521	2195.0	RED	
Pole 023	Pole	198/237	2198.5	RED	

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(º)/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 024	MT	200/4993	2467.0		
Pole 025	Pole	201/517	2195.3	RED	
Pole 026	Pole	208/522	2195.5	RED	
BLDG 027	BLDG	208/677	2209.6		
Control TWR 028	Control TWR	210/541	2227.1	RED	RWY11 ILS/DME final approach
Pole 029	Pole	214/532	2206.9	RED	
Pole 030	Pole	220/547	2207.4	RED	
MT 031	MT	222/5992	2591.0		Circling CAT B
Pole 032	Pole	225/569	2207.8	RED	
Pole 033	Pole	230/592	2208.0	RED	
MT 034	MT	230/10336	2853.0		
TOWER 035	TOWER	232/10694	2896.6		Circling CAT D
Pole 036	Pole	234/622	2208.4	RED	
TOWER 037	TOWER	236/9313	2834.3		Circling CAT C
Pole 038	Pole	239/659	2208.8	RED	
BLDG 039	BLDG	242/3927	2226.3	RED	

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(º)/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
Pole 040	Pole	249/353	2198.2	RED	
Pole 041	Pole	253/385	2198.2	RED	
MT 042	MT	261/9148	2751.0		
Antenna 043	Antenna	265/1491	2209.6		
MT 044	MT	280/12100	2565.0		RWY29 RNP departure
Pole 045	Pole	281/1830	2202.9	RED	
BLDG 046	BLDG	282/11714	2550.7	RED	RWY29 RNP ILS/DME、ILS/DME missed approach
MT 047	MT	283/11730	2536.0		Significant obstacle
MT 048	MT	295/11270	2345.0		RWY11 GP INOP final approach
MT 049	MT	298/3300	2231.0		RWY29 departure
TOWER 050	TOWER	302/4458	2301.5		
MT 051	MT	304/5340	2334.0		
TRANSMISSION _LINE 052	TRANSM ISSION_L INE	311/3650	2321.7		RWY29 ILS/DME approach
MT 053	MT	324/4139	2350.0		RWY29/GP INOP final approach
MT 054	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(º)/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	002/27700	3016		ATC SMAC Sector Nr.5 K005
MT 056	MT	008/15049	2870		
MT 057	MT	015/45150	4242		
MT 058	MT	015/45413	4243		
MT 059	MT	034/38313	4195		
MT 060	MT	035/45094	4309		
MT 061	MT	041/46120	4265		LED holding
MT 062	MT	042/45780	4265		MSA(180°-260°sector)
MT 063	MT	044/85400	4446		ATC SMAC Sector Nr.2 K002
MT 064	MT	055/28800	4055		
MT 065	MT	056/29200	4055		ATC SMAC Sector Nr.3 K003
NATURAL_HIGHPOINT 066	NATURAL_HIGHPOINT	059/26100	3560		ATC SMAC Sector Nr.4 K004
MT 067	MT	069/30244	3314		RWY11 missed approach
NATURAL_HIGHPOINT 068	NATURAL_HIGHPOINT	070/35841	3293		MSA(260°-300°sector)
MT 069	MT	080/40150	3092		

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(º)/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	092/38722	2949		RWY29 initial approach
MT 071	MT	096/36200	2402		
MT 072	MT	108/18313	2373		
MT 073	MT	108/38620	2545		RWY29 RNP initial approach XN711-XN703
MT 074	MT	115/30970	2630		
MT 075	MT	125/29240	2683		RWY29 intermediate approach
MT 076	MT	134/39900	3622		XN705 holding
MT 077	MT	139/44969	4344		
MT 078	MT	141/45100	4484		ATC SMAC Sector Nr.7 G001
MT 079	MT	150/25500	3183		ATC SMAC Sector Nr.16 K016
MT 080	MT	156/36600	4300		
MT 081	MT	159/36900	4295		ATC SMAC Sector Nr.6 K006
MT 082	MT	164/25200	4166		ATC SMAC Sector Nr.8 K008
MT 083	MT	211/69600	4614		ATC SMAC Sector Nr.10 G002
MT 084	MT	215/33400	4350		ATC SMAC Sector Nr.9
MT 085	MT	215/34183	4405		

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(º)/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	233/46720	4300		
MT 087	MT	236/48222	4486		
MT 088	MT	237/48000	4488		ATC SMAC Sector Nr.17 G017
MT 089	MT	237/48720	4488		
MT 090	MT	239/39310	4092		
NATURAL_HIGHPOINT 091	NATURAL_HIGHPOINT	241/54284	4500		MSA(095°-300°sector)
MT 092	MT	256/78200	4898		ATC SMAC Sector Nr.11 K011
MT 093	MT	275/94000	4600		ATC SMAC Sector Nr.18 K018
MT 094	MT	280/29997	2821		RWY11 intermediate approach
MT 095	MT	280/35897	2889		RWY11 initial approach
MT 096	MT	283/98700	4389		
MT 097	MT	284/36100	2750		
MT 098	MT	285/31580	2753		
MT 099	MT	287/23909	2477		
MT 100	MT	298/86700	4178		ATC SMAC Sector Nr.13 K013

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	302/35480	2778		RWY11 RNP initial approach XN604-XN603
MT 102	MT	313/26700	2839		
MT 103	MT	315/26279	2840		RWY11 initial approach
MT 104	MT	317/61500	3804		ATC SMAC Sector Nr.12 K012
MT 105	MT	319/102800	4387		ATC SMAC Sector Nr.14 K014
MT 106	MT	342/48022	3590		MSA(095°-180°sector)
MT 107	MT	343/20705	2854		RWY29 missed approach
MT 108	MT	353/107200	4690		ATC SMAC Sector Nr.1 K001

备注：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 provided: P, T

	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	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	3920×280	240×150	Nil	-
29	60×60	Nil	3920×280	240×150	Nil	-
Remarks: 11/29: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	APP01:119.2 (119.625)			H24	
		APP02:121.1 (119.625)			by ATC	
		APP03:119.875 (119.625)			by ATC	
		APP04:120.075 (119.625)			by ATC	
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

所有技术试飞需事先申请，并在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

2.1 跑道更换方向规定

地面风与跑道转换程序如下：

ZLXN AD 2.20 Local aerodrome regulations

1.Airport operations regulations

All technical flight tests shall be applied for in advance and conducted only after receiving ATC clearance.

2. Use of runways and taxiways

2.1 Regulations for changing runway direction

The ground wind and the procedures for changing

runway operation direction are as follows:

a.当气象自动观测系统显示跑道顺风分量大于3.5m/s，管制部门需要对跑道运行方向进行转换。

a. When the automatic observation system shows that the downwind component of the runway is greater than 3.5m/s, the ATC needs to change the runway operation direction.

b.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。

b. Under wet or contaminated conditions, when the automatic observation system shows that the runway is downwind, the ATC needs to change the runway operation direction.

c.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。

c. When changing the runway direction, the controller can arrange short-term operations with a downwind component greater than 3.5m/s but less than 5m/s, but it is necessary to notify the pilot of the ground wind direction, wind speed, if the aircraft cannot accept due to aircraft performance limitations, the pilot shall immediately inform the controller.

2.2 人员、车辆要求

2.2 Requirements for personnel and vehicles

有飞行活动时，禁止任何车辆、人员穿越跑道。如确需通过跑道，必须经管制部门同意后方可穿越。

When there is flight activities, no vehicle or person shall cross the RWY. If it is necessary to cross the RWY, it must be approved by ATC before crossing.

2.3 跑道等待位置及使用规定

2.3 Runway holding positions and their usage

2.3.1 航空器在进入跑道前应在指定的跑道等待位置处等待机场管制塔台的指令，跑道等待位置详见机场图和停机位置图；

2.3.1 Aircraft shall hold short of the runway at the designated runway holding position, waiting for ATC instructions, and follow the ADC and APDC;

2.3.2 航空器在跑道等待位置等待时，不能超过此标识；

2.3.2 Aircraft shall not exceed this identification while holding at the runway holding position.

2.3.3 航空器未获得管制员许可，机头越过跑道等待位置标志时，应立即向管制员报告。

2.3.3 If aircraft head over the runway holding position identification without ATC clearance, report to the

controller immediately.

2.4 引导车和拖车服务

航空器可通过机场现场指挥中心（131.9MHz）申请引导车和拖车服务。

2.4 Guidance vehicle and towing service

Aircraft may apply for guidance vehicle and towing service from Airport Operations Control Center (AOC)(131.9 MHz).

2.5 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。

2.5 The taxiing speed of aircraft shall not exceed 50km/h in general, and shall not exceed 15km/h near obstacles.

2.6 滑行道翼展限制

2.6 2.5.3.2 Wing span limits for TWYs

滑行道/TWYs	航空器翼展限制（m）/Wing span limits for aircraft(m)
A, A1, A2, A5, A6, B, B1-B4, B5-B10(North of TWY B), B11-B14	＜65
A3, A4	＜52
B9(South of TWY B), B10(South of TWY B), C, H4-H8	＜36
E, G2, G3, H1, H2	＜24
G1	＜15

2.7 滑行道中间等待位置及规定：

机场现有 51 个中间等待位置，供航空器滑行中等待使用。HP 等待点位置详见机场停机位置图。

2.7 Intermediate holding position on TWYs and regulations：

There are 51 intermediate holding positions, which are available for aircraft to hold while taxiing. The position of HPs is shown in APDC.

2.8 标准滑行路线

为简化塔台管制员指挥口令，将部分使用频繁的航空器地面滑行路由予以命名，如下表所示，具体详见《航图手册》：

2.8 Standard taxiing routes

To simplify the instructions given by TWR controller, some frequently used taxiing routes are named as follows, please refer to GMC for details:

2.8.1 使用 11 号跑道离港：

2.8.1 Departure from RWY11:

Name	Direction	Route	Start	End
ROUTE01	one-way	H4→B→B2→A→ A1 hold outside the runway	H4	A1
ROUTE02	one-way	H5→B→B2→A→ A1hold outside the runway	H5	A1
ROUTE03	one-way	C→H5→B→B2→A →A1hold outside the runway	C	A1
ROUTE04	one-way	H6→B→B2→A→ A1 hold outside the runway	H6	A1
ROUTE05	one-way	H7→B→B2→A→ A1 hold outside the runway	H7	A1
ROUTE06	one-way	C→H7→B→B2→A →A1hold outside the runway	C	A1
ROUTE07	one-way	B11→B→B2→A→ A1 hold outside the runway	B11	A1

2.8.2 使用 29 号跑道离港：

2.8.2 Departure from RWY29:

Name	Direction	Route	Start	End
ROUTE31	one-way	H4→B→B11→A→A6 hold outside the runway	H4	A6
ROUTE32	one-way	H5→B→B11→A→A6 hold outside the runway	H5	A6
ROUTE33	one-way	C→H6→B→B11→A→A6 hold outside the runway	C	A6
ROUTE34	one-way	H6→B→B11→A→A6 hold outside the runway	H6	A6
ROUTE35	one-way	H7→B→B11→A→A6 hold outside the runway	H7	A6
ROUTE36	one-way	C→B11→A→A6 hold outside the runway	C	A6
ROUTE37	one-way	B11→A→A6 hold outside the runway	B11	A6

2.9 航空器滑行时，停机坪、滑行道严禁无关人员接近。各种保障车辆均应按照规定路线行驶和制定地点停放，内场车辆夜间行驶应打开指示灯。

2.9 Unauthorised personnel prohibited on apron and taxiway while aircraft taxiing . All vehicles shall follow the designated routes and park in the designated locations. The vehicles in the airport infield shall turn on the lights during night time.

2.10 机场冲突多发地带运行要求

2.10 Requirements for operations in the airport conflict hot spots

2.10.1 机动区冲突多发地带位置见《航图手册》。

2.10.1 Hot spots for aircraft conflicts are shown in ADC and APDC.

2.10.2 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。

2.10.2 To reduce operational errors and the probability of ground conflicts and runway incursions, aircraft operating within the area of activities shall strictly follow the following requirements.

HS1 ：11 号跑道等待点。航空器进入 11 号跑道之前必须得到管制员的许可。

HS1 :RWY11 holding point. Aircraft shall obtain ATC clearance before entering RWY11.

HS2 ：29 号跑道等待点。航空器进入 29 号跑道之前必须得到管制员的许可。

HS2 :RWY29 holding point. Aircraft shall obtain ATC clearance before entering RWY29.

HS3 ：跑道、A 滑行道与 Q 滑行道交叉区域。航空器禁止进入 Q 滑行道。

HS3 :Intersection of RWY and TWYs A, Q. Aircraft shall not enter TWY Q.

HS4 ：H4、H5 滑行道与 B、C 滑行道交叉区域。航空器在此复杂区域运行时，注意观察，严格按照管制指令滑行。

HS4 :Intersection of TWYs H4, H5, B, C. Aircraft shall observe carefully and taxi strictly according to ATC instructions in this complex area.

HS5 ：H6、H7 滑行道与 B、C 滑行道交叉区域。航空器在此复杂区域运行时，注意观察，严格按照管制指令滑行。

HS5 :Intersection of TWYs H6, H7, B, C. Aircraft shall observe carefully and taxi strictly according to ATC instructions in this complex area.

HS6 ：B11 滑行道与 A、B、C 滑行道交叉区域。航空器在此复杂区域运行时，注意观察，严格按照管制指令滑行。

HS6 :Intersection of TWY B11, A, B, C. Aircraft shall observe carefully and taxi strictly according to ATC instructions in this complex area.

2.11 进港航空器管制规定

2.11 Arrival aircraft control regulations

2.11.1 着陆许可

2.11.1 Landing clearance

在确定进近着陆的航空器飞越跑道入口时，满足下列条件之一的，塔台管制员即可向该航空器发布着陆许可：前行离场航空器已飞越使用跑道末端或已开始转

When an aircraft crosses the runway threshold during an approach for landing, the tower controller may issue a landing clearance if either of the following conditions is

弯；与前行着陆航空器间符合尾流间隔规定，且前行着陆航空器已脱离使用跑道。发出着陆许可后，塔台管制员观察到着陆许可发布条件有变化时，应立即通知航空器复飞，并简要说明复飞原因；着陆航空器驾驶员认为有必要时，应立即复飞，并通知塔台管制员。

met:

1.The preceding departing aircraft has passed the end of the runway in use or has started its turn;

2.The aircraft maintains wake turbulence separation from the preceding landing aircraft, which has already vacated the runway.

If the controller observes a change in the conditions for granting a landing clearance after issuing it, they must immediately instruct the aircraft to go around and provide a brief explanation of the reason for the go-around. If the landing aircraft's pilot deems it necessary to go around, they must do so immediately and notify the tower controller.

2.11.2 快速脱离

2.11.2 Rapid exit

2.11.2.1 中型机（含）以下机型从飞越跑道入口至完全脱离跑道应不超过 50s。

2.11.2.1 Medium aircraft (inclusive) and below shall fully vacate RWY within 50 seconds after flying over the RWY threshold.

2.11.2.2 重型机（含）以上机型从飞越跑道入口至完全脱离跑道应不超过 70s。

2.11.2.2 Heavy aircraft (inclusive) shall fully vacate RWY within 70 seconds after flying over the threshold of RWY.

2.11.2.3 如机组认为无法在上述要求的时间内完成，须初次与塔台建立联系时告知塔台管制员。

2.11.2.3 If the crew consider that it is impossible to complete within the required time, inform TWR controller when establishing contact with TWR.

2.11.3 地面引导

进港航空器由管制员指挥滑行至相应的滑入道口时，机组发现地面滑行引导车后关闭滑行灯，根据管制员指令，跟随地面滑行引导车滑行。

2.11.3 Ground guidance

When the arriving aircraft is directed by the controller to taxi to the corresponding taxiway entrance, the crew turns off the taxi lights upon sight of the follow-me vehicle and follows it according to the controller's

instructions.

2.12 离港航空器管制规定

2.12 Departure aircraft control rules

2.12.1 放行许可

航空器可以通过两种方式取得放行许可：数字放行 DCL 和人工播发放行。

2.12.1 Delivery clearance

Delivery clearance can be obtained in two ways: DCL and manual delivery clearance.

2.12.2 快速起飞

通常情况下，起飞航空器从等待位置接到管制员进跑道指令到对正跑道时间应控制在 60s 以内。如需占用更长时间，航空器驾驶员应在进跑道前通知管制员。

2.12.2 Quick take-off

In general, aircraft shall complete RWY alignment within 60s after receiving ATC instruction to enter the RWY from holding position. If it needs more time, pilot shall inform ATC before entering the RWY.

2.13 对机组的要求

2.13 Requirements for flight crew

2.13.1 重型航空器机组申请滑行前应向管制员报告“重型”或“HEAVY”。

2.13.1 Heavy aircraft shall report 'HEAVY' to ATC before taxiing.

2.13.2 航空器推出时，按照管制员指令推出。

2.13.2 Push-back is carried out according to ATC clearance.

2.13.3 机组须听清并重复管制员的滑行指令，尤其是界限性指令，发现疑问及时证实。

2.13.3 Listen carefully and repeat the taxiing instructions of ATC, especially boundary instructions. If there is any doubt, confirm it in time.

2.13.4 机组须在脱离跑道时，尤其在低能见度情况下，向管制报告脱离的跑道和使用的滑行道及当前具体位置。

2.13.4 Flight crew shall report the RWY vacated and the TWY used and the current position when vacating RWY, especially in low visibility conditions.

2.13.5 当机组误操作滑错方向时，应该立即停止滑行并向管制员报告。

2.13.5 If taxiing in the wrong direction, stop immediately and report to ATC.

2.13.6 机组须密切观察地面相关活动，及时依照管制员的活动通报进行观察，要将观察到的不明活动情况及时通报给管制员。

2.13.6 The crew shall observe the relevant activities on the ground, and promptly follow the ATC activity notification. The crew shall report any unclear activities observed to the controller in time.

2.13.7 航空器使用 RWY11 离港沿 B 滑行道滑行至 B2 时，注意观察滑行标志标识，并严格按照管制员指令滑行进入 A，避免误滑进入停机位 602。

2.13.7 When aircraft taxiing from RWY11 to TWY B via TWY B2, pilot shall observe the taxiing sign carefully and follow ATC instructions strictly to enter TWY A, avoid taxiing into stand Nr.602 by mistake.

2.13.8 航空器使用 RWY29 离港沿 B 滑行道滑行至 B11 时，注意观察滑行标志标识，并严格按照管制员指令滑行进入 A，避免误滑进入停机位 604。

2.13.8 When aircraft taxiing from RWY29 to TWY B11 via TWY B, aircraft shall observe taxiing signs carefully and taxi into TWY A strictly according to ATC instruction, avoid taxiing into stand Nr.604 by mistake.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 引导要求

3.1 Guidance requirements

3.1.1 滑入机位的引导要求

机坪所有机位的航空器则均由人工指挥滑进机位。

3.1.1 For taxiing to the stand:

All aircraft at all stands on the apron shall be guided into position by marshallers.

3.1.2 滑出机位的引导要求

在停机位 334-337、501-518、601-604 停靠的航空器以及 603R 停靠翼展 36m（不含）以下航空器可自行滑出，在其它停机坪停靠的航空器以及 603R 停靠翼展 36m（含）以上航空器须由牵引车推出。

3.1.2 For taxiing from the stand:

Aircraft parked at stands Nr.334–337, 501–518,601–604, and aircraft with a wingspan less than 36m at stand 603R may taxi out independently. Aircraft parked at other stands, and those with a wingspan of 36m or more at stand 603R, must be towed out by tractor.

3.1.3 进出机位滑行线路

3.1.3 Taxiing route of stands

停机位/Stand	滑入/taxiing into	滑出/taxiing out
211、301-302	B9	H4
303-308	B9	H5
309-311	C	C
312	C	H6 or C
313-318	B10	H6

319-324	B10	H7
325	C	H7 or C
326、327	C	C
328-330	B12	B11
334-337	B12	H8
501-505	H1	G1
506-510	G2	G1
511-514	G2	G3
515-518	H2	G3
601	B2	B1
602	B or B2	B1
603	C	B14
603R	B13	B14
604	B or B13	B14

3.2 机位使用规定

3.2 Rules for using stands

3.2.1 机位使用条件

3.2.1 Use conditions of stands

停机位编号/Stands Nr.	翼展限制（m）/Wing span limits(m)	机身长度限制（m）/Fuselage limits(m)	进出方式/Enter or Exit
328-330, 603R	＜65	≤76	Taxi in, Push back
602, 604	＜65	≤76	Taxi in, Taxi out
211, 301-327	＜36	≤45	Taxi in, Push back
334-337, 601, 603	＜36	≤45	Taxi in, Taxi out
511-518	＜24	≤16.5	Taxi in, Taxi out
501-510	＜15	≤7.9	Taxi in, Taxi out

停机位 603R 停放翼展 36 米（不含）以下航空器可自滑进出。

Aircraft with a wingspan of less than 36m can taxi in/out stand 603R.

3.2.2 机位同时使用限制

3.2.2 Simultaneous use of stands limits

使用停机位/Stands in use	影响停机位/Stands influenced
603	603R
603R	603

3.2.3 机位使用其它规定

3.2.3 Other regulations for stand use

3.2.3.1 301-330 廊桥有桥载 400Hz 电源和空调设备，211、334-337 有 400Hz 桥载电源设备。

3.2.3.1 Boarding bridge stands Nr.301-330 are equipped with 400Hz bridge power supply and air conditioning equipment. Stands Nr. 211, 334-337 are equipped with 400Hz bridge power supply.

3.2.3.2 为降低碳排放和噪音,所有停靠廊桥机位的航空器必须关闭 APU，使用 400Hz 桥载电源及航空器专用空调设备，以下特殊情况除外：

a.桥载设备故障，不能提供服务；

b.航空器因启动发动机而需要开启 APU；

c.航空器进行 APU 的维修检测活动。

3.2.3.2 For reducing carbon emissions and noise, all aircraft parking on boarding bridge stands shall turn off APU and use 400Hz bridge power supply and air conditioning equipment, except for the following special circumstances:

a. Bridge equipment failure, unable to provide service;

b. Aircraft needs to start APU due to engine startup;

c. Aircraft is conducting APU maintenance and inspection activities.

3.2.4 公务机位

以机场现场指挥中心停机位安排为准。

3.2.4 Business aircraft stands

Subject to the parking stand assignments by AOC.

3.3 航空器试车规定

严禁在未批准情况下进行试车，凡需试车的航空器，

3.3 Engine run-ups regulations

No run-up shall be conducted without approval. Any

试车前应向机场现场指挥中心提出申请，再报塔台同意后，经机场现场指挥中心和空中交通管制部门批准后，可在机坪指定机位进行,试车工作应有足够的安全保护措施，试车时严格按照有关规定程序进行。

aircraft requiring a run-up shall submit an application to the AOC, which shall then obtain consent from the Tower and approval from both the AOC and ATC before proceeding at the designated position on the apron. Adequate safety precautions shall be in place, and the run-up shall strictly follow the prescribed procedures.

3.4 航空器除冰规则

3.4 Aircraft deicing rules

3.4.1 一般要求

3.4.1 General requirements

3.4.1.1 除霜过程同于除冰。

3.4.1.1 Defrosting is equivalent to de-icing.

3.4.1.2 需除冰的航空器，在推出前向塔台管制申请，按塔台管制员指令在指定位置除冰，除冰完毕，向塔台申请开车滑出。

3.4.1.2 Aircraft requiring deicing shall apply to TWR Control before pushing back, follow the instruction of TWR Control to deice at a designated position, then apply to TWR Control for engine start-up after deicing.

3.4.2 除冰机位

3.4.2 Deicing stands

3.4.2.1 使用 11 跑道起降，启用 601、602 除冰位或机坪指定位置。

3.4.2.1 RWY11 is in use, deicing stands Nr.601, 602 or apron designated position are available.

3.4.2.2 使用 29 跑道起降，启用 603、604 除冰位或机坪指定位置。

3.4.2.2 RWY29 is in use, deicing stands Nr.603, 604 or apron designated position are available.

3.4.3 除冰程序

3.4.3 Deicing procedures

3.4.3.1 申请：需除冰的航空器，在推出前向塔台管制员申请。

3.4.3.1 Application: Aircraft requiring deicing shall apply to TWR controller before being pushed back.

3.4.3.2 除冰：由管制员指挥需除冰的航空器在原机位或指定位置除冰。

3.4.3.2 Deicing: Aircraft needing deicing shall be directed by ATC to deice on the stand or at a designated location.

3.5 机坪使用其它规定

3.5 Other rules for apron use

未经机场现场指挥中心同意，严禁航空器利用自身动力倒退。

Aircraft shall not move backwards by its own power without the permission of AOC.

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

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

4. Low visibility operation

Nil

5. Helicopter operation restrictions and helicopter parking/docking area

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

The traffic circuits is conducted south of the runway, 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

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。

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 manuals.

4. 雷达程序和/或 ADS-B 程序

4. Radar procedures and/or ADS-B procedures

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。

4.1 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 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 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 最低监视引导高度扇区

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°21′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。

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. 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。

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. 目视飞行航线

无

7. VFR route

Nil

8. 其它规定

本场范围内的飞越活动，严格听从 ATC 指挥。

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。

1.2 鸟情信息

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 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 The details of bird activities as follows:

Species name	Primary activity time	Primary activity area	Height of activity（m）	Gregariousness
Horned lark	Nov.-Feb. (next year)	North side of Air field area	0-20	Alone, Cluster
Skylark	Annual	Air field area	0-20	Alone, Cluster
Swift	Apr.-Sept.	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	0-200	Alone

		field area		
Columba rubus	Annual	North side of Air field area	0-20	Cluster
Brachydactylus asiatica	Apr.-Oct.	Air field area	0-20	Cluster
Wagtail	Apr.-Sept.	Air field area	0-20	Alone
Magpie	Annual	Air field area	0-100	Alone, Cluster
Red-billed mountain jay	Annual	Air field area	0-100	Alone, Cluster