ZLXN AD 2.1 机场地名代码和名称 Aerodrome location indicator and name

ZLXN-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
2	方向、距离 Direction and distance from city	112°GEO, 25.5km from Dashizi, Xining
3	标高/参考气温 Elevation / Reference temperature	2184.2m/25.5℃(JUL)
4	机场标高位置/大地水准面波幅 AD ELEV PSN / geoid undulation	THR11/-
5	磁差/年变率 MAG VAR/ Annual change	1°59′W(2011)/
6	机场管理部门、地址、电话、传真、AFS、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 Email:sunsj@westaport.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	机场当局(机场开放时间) AD Administration (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	航行情报服务讲解室 AIS Briefing Office	HO
5	空中交通服务报告室 ATS Reporting Office (ARO)	HO
6	气象讲解室 MET Briefing Office	HO
7	空中交通服务 ATS	HO
8	加油 Fuelling	HO
9	地勤服务 Handling	HO
10	保安 Security	HO
11	除冰 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 tractors, baggage pallet, platform lift vehicle(7t,14t), stepladders vehicle(5.8m)
2	燃油/滑油牌号 Fuel/oil types	Nr.3 jet fuel
3	加油设施/能力 Fuelling facilities/capacity	Refueling truck (35000L): 13.3L/s; Refueller(20000L):13.3L/s; 5.83L/s(gravity refueling)
4	除冰设施 De-icing facilities	De-icers
5	过站航空器机库 Hangar space for visiting aircraft	Nil
6	过站航空器的维修设施 Repair facilities for visiting aircraft	Line maintenance available for A319/A320/A321, B757-200, B737-300/700/800/900ER. General maintenance for A320 series: below 1500FH(inclusive)/1000FC(inclusive)/6MO(inclusive).

7	备注 Remarks	Oxygen filling vehicle, ground power unit, air starting unit

ZLXN AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	At AD
2	餐馆 Restaurants	At AD
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	Nil
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
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTOW up to A330. Trailer, tie-down equipment, uplift air cushion(30t, 40t), diesel air compressor, mobile surface operation devices, crosstie, lifting equipment(60t), traction rack.
4	备注 Remarks	Nil

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 Types of clearing equipment	All seasons Snow blower, snow fluid truck, snow plough
2	扫雪顺序	RWY, TWY, Apron

	Clearance priorities	
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	Surface:	ASPH (Stands Nr.108-110, 109A) CONC (Stands Nr.101-107, 111-116, 201-214, 211A, 211B, 211C, 211D, 212L, 212R)
		Strength:	PCN 70/R/B/W/T(Stands Nr.212L, 212R, 212, 213, 214) PCN 68/F/B/W/T(Stands Nr.108-110, 109A) PCN 68/R/B/W/T(Stands Nr.105-107, 111-116, 204-207, 211, 211A, 211B, 211C, 211D) PCN 52/R/B/W/T(Stands Nr.101-104, 201-203, 208-210)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	34m: C, D, E, F, G 30.5m: A(each end of RWY), A1, A4 28.5m: A2, A3 23m: main TWY A
		Surface:	ASPH: A, A1-A4, C, D, E, F, G, T2(108-110) CONC :T1, T2(101-107)
		Strength:	PCN 73/F/B/X/T(A, A1-A4, C, D, E, F, G) PCN 68/F/B/W/T(T2(108-110)) PCN 68/R/B/W/T(T1(211A-211D, 204-207, 111-114), T2(105-107)) PCN 52/R/B/W/T(T2(101-104))
3	高度表校正点的位置及其标高 ACL location and elevation	Nil	
4	VOR/INS 校正点 VOR/INS checkpoints	Nil	
5	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	Guide lines at all TWYs and apron. Aircraft stand identification lines at apron. Marshalman service is available at stands(except Stands Nr.212-214).

	guidance system of aircraft stands		
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	Pre-threshold, THR, RWY designation, TDZ, center line, edge line, aiming point
		RWY lights	THR, center line, edge line, RWY end, wing-bar
		TWY markings	Taxiing holding position, center line, edge line, No-entry
		TWY lights	Edge line, center line, RWY guard(Pattern A)
3	停止排灯 Stop bars	Nil	
4	备注 Remarks	Nil	

ZLXN AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
1	MT	006	7511	2772.9		
2	MT	039	2410	2371	Circling CAT A	
3	TWR	048	2220	2357.7		
4	MT	052	13500	3142	ATC SMAC Sector Nr.15	K015
5	MT	097	3300	2280		
6	Contour line	105	3350	2260	RWY11/Departure	
7	BLDG	106	5335	2226.7	Significant obstacle	
8	MT	108	3865	2198.5	RWY11/Take-off path	
9	Light Pole	143	729	2194.5		
10	Light Pole	146	743	2194.6		
11	Light Pole	147	663	2194.7		
12	Light Pole	149	779	2194		
13	MT	159	3869	2278		

Obstacles within a circle with a radius of 15km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
14	MT	170	13458	2898.5		
15	Light Pole	188	243	2196.7		
16	Light Pole	198	237	2196.9		
17	MT	200	4993	2467		
18	Antenna	208	677	2209.6		
19	Light Pole	209	239	2197.2		
20	*Control TWR	210	541	2227.1	RWY11 ILS/DME final approach	
21	Light Pole	218	249	2197.6		
22	MT	230	10336	2853	Circling CAT D	
23	Light Pole	237	293	2198.3		
24	*BLDG	242	3927	2226.3		
25	Light Pole	243	321	2198.6		
26	Light Pole	249	353	2198.9		
27	Light Pole	253	386	2199.1		
28	Light Pole	256	420	2199.4		
29	Light Pole	259	456	2199.6		
30	MT	261	9148	2751	Circling CAT C	
31	Antenna	265	1491	2209.6		
32	MT	280	12100	2565	RWY29/RNP departure	
33	MT	283	11730	2536.0	Significant obstacle	
34	MT	295	11270	2345	RWY11/GP INOP Final approach	
35	MT	298	3300	2231	RWY29/Departure	
36	TWR	302	4458	2301.5		

Obstacles within a circle with a radius of 15km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
37	MT	304	5340	2334		
38	TWR	311	3650	2321.7	RWY29 ILS/DME	
39	MT	324	4139	2350	RWY29/GP INOP final approach	
40	MT	358	3968	2497	Circling CAT B	
Others: Nil.						

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
1	MT	002	27700	3016	ATC SMAC Sector Nr.5	K005
2	MT	008	15049	2870		
3	MT	015	45150	4242		
4	MT	015	45413	4243		
5	MT	034	38313	4195		
6	MT	035	45094	4309		
7	MT	041	46120	4265	Holding on LED	
8	MT	042	45780	4265	MSA(180°-260°sector)	
9	MT	044	85400	4446	ATC SMAC Sector Nr.2	K002
10	MT	055	28800	4055		
11	MT	056	29200	4055	ATC SMAC Sector Nr.3	K003
12	Contour line	058	26100	3560	ATC SMAC Sector Nr.4	K004

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
13	MT	069	30244	3314	RWY11/Missed approach	
14	Contour line	070	35841	3293	MSA(260°-300°sector)	
15	MT	080	40150	3092		
16	MT	092	38722	2949	RWY29/Initial approach	
17	MT	096	36200	2402		
18	MT	108	18313	2373		
19	MT	108	38620	2545	RWY29/ RNP initial approach XN711-XN703	
20	MT	115	30970	2630		
21	MT	125	29240	2683	RWY29/Intermediate approach	
22	MT	134	39900	3622	Holding on XN705	
23	MT	139	44969	4344		
24	MT	141	45100	4484	ATC SMAC Sector Nr.7	G001
25	MT	150	25500	3183	ATC SMAC Sector Nr.16	K016
26	MT	156	36600	4300		
27	MT	157	37200	4295	ATC SMAC Sector Nr.6	K006
28	MT	164	25100	4166	ATC SMAC Sector Nr.8	K008
29	MT	211	69600	4614	ATC SMAC Sector Nr.10	G002
30	MT	215	34183	4405		
31	MT	233	46720	4300		
32	MT	236	48222	4486		
33	MT	237	48000	4488	ATC SMAC Sector Nr.17	G017

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
34	MT	237	48720	4488		
35	MT	239	39310	4092		
36	Contour line	241	54284	4500	MSA(095°-300°sector)	
37	MT	256	78100	4898	ATC SMAC Sector Nr.11	K011
38	MT	280	29997	2821	RWY11/Intermediate approach	
39	MT	280	35897	2889	RWY11/Initial approach	
40	MT	283	98700	4389	ATC SMAC Sector Nr.9	K009
41	MT	284	36100	2750		
42	MT	285	31580	2753		
43	MT	287	23909	2477		
44	MT	298	86600	4178	ATC SMAC Sector Nr.13	K013
45	MT	302	35480	2778	RWY11/ RNP initial approach XN604-XN603	
46	MT	313	26700	2839		
47	MT	315	26279	2840	RWY11/Initial approach	
48	MT	317	61400	3804	ATC SMAC Sector Nr.12	K012
49	MT	319	102800	4387	ATC SMAC Sector Nr.14	K014
50	MT	342	48022	3590	MSA(095°-180°sector)	
51	MT	343	20705	2854	RWY29/Missed approach	
52	MT	353	107200	4690	ATC SMAC Sector Nr.1	K001
Others:						

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 11/29						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
Nil.						

ZLXN AD 2.11 提供的气象信息、机场观测与报告
Meteorological information provided & aerodrome observations and reports

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； 9 HR; 3HR 24HR; 6HR
4	趋势预报发布间隔 Issuance interval of trend forecast	Trend 1 HR
5	所提供的讲解/咨询服务 Briefing/consultation provided	P, T
6	飞行文件及其使用语言 Flight documentation, Languages used	Chart, International MET Codes, Abbreviated Plain Language Text, Ch, En
7	讲解/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	Synoptic charts, significant weather charts, upper W/T charts, satellite and radar material
8	提供信息的辅助设备 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	ARO, TWR
10	观测类型与频率/自动观测设备 Type & frequency of observation/Automatic	Hourly plus special observation/Yes

	observation equipment	
11	气象报告类型及所包含的补充资料 Type of MET Report & supplementary information included	METAR, SPECI, TEND
12	观测系统及位置 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 RWY11: 120m N of RCL, 415m inward THR11 RWY center: 120m N of RCL, 1800m inward THR11 RWY29: 120m N of RCL, 320m inward THR29 RWY29: 120m N of RCL, 350m inward THR29 Ceilometer RWY11: 105m N of RCL, 360m inward THR11 RWY29: 105m N of RCL, 300m inward THR29
13	气象观测系统的工作时间 Hours of operation for meteorological observation system	H24
14	气候资料 Climatological information	Climatological tables AVBL
15	其他信息 Additional information	TEL: 86-971-8580680 FAX: 86-971-8580682

ZLXN AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 Designations RWY NR	真方位和磁方位 TRUE &MAG BRG	跑道长宽 Dimensions of RWY(m)	跑道强度(PCN), 跑道道面/ 停止道道面 RWY strength (PCN), RWY surface / SWYsurface	着陆入口坐标及高程异常 THR coordinates and geoid undulation	跑道入口标高,精密进近跑道接地带最高标高 THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	109 °GEO 111 °MAG	3800×45	73/F/B/X/T ASPH/ASPH		THR2184.2m TDZ2184.2m

29	289 ℃GEO 291 ℃MAG	3800×45	73/F/B/X/T ASPH/ASPH		THR2161.3m TDZ2167.3m
跑道-停止道坡度 Slope of RWY-SWY	停止道长宽 SWY dimensions(m)	净空道长宽 CWY dimensions(m)	升降带长宽 Strip dimensions(m)	无障碍物区 OFZ	跑道端安全区长宽 RWY end safety area dimensions(m)
7	8	9	10	11	12
See AOC	60×60	Nil	3920×300	Nil	Nil
See AOC	60×60	Nil	3920×300	Nil	Nil
Remark: 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

跑道代号 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(跑道入口最低眼高), 精密进近航道指示器 VASIS (MEHT) PAPI	接地地带灯长度 TDZ LGT LEN	跑道中心线灯长度、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* 900m LIH	GREEN Yes	PAPI LEFT 374m inward THR11	Nil	3800m** spacing 30m	3800m*** spacing 60m	RED	Nil

跑道代号 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(跑道入口最低眼高), 精密进近航道指示器 VASIS (MEHT) PAPI	接地地带灯长度 TDZ LGT LEN	跑道中心线灯长度、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
			3°					
29	PALS CAT I* 720m LIH	GREEN Yes	PAPI LEFT 304m inward THR29 3°	Nil	3800m** spacing 30m	3800m*** spacing 60m	RED	Nil

Remarks:

*SFL

**up to 2900m WHITE VRB LIH, 2900-3500m RED/WHITE VRB LIH, 3500-3800m RED VRB LIH

***up to 3200m WHITE VRB LIH, 3200-3800m YELLOW VRB LIH

ZLXN AD 2.15 其他灯光,备份电源 Other lighting, secondary power supply

1	机场灯标/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/风向标位置和灯光 LDI/WDI location and LGT	WDI: RWY11:113m north of RCL, 364m inward THR, LGT RWY29:113m south of RCL, 334m inward THR, LGT
3	滑行道边灯和中线灯 TWY edge and center line lighting	Blue TWY edge line lights; Green/Yellow TWY center line lights.
4	备份电源/转换时间 Secondary power supply/switch-over time	Secondary power supply available, diesel dynamotor/15s
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（m/ft） TLOF and/or FATO elevation (m/ft)	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

名称 Designation	水平范围 Lateral limits	垂直范围 Vertical limits	备注 Remarks
Xining tower control area	A circuit, 2 arcs with radius 13km centered at center of both RWY ends and 2 parallel lines of 13km from RWY centerline.	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 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5

服务名称 Service Designation	呼号 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
ATIS		126.85		D-ATIS available
APP	Xining Approach	APP01:119.875(119.625)	by ATC	
APP	Xining Approach	APP02:119.875(119.625)	by ATC	
APP	Xining Approach	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

设施名称和类型 Name and type of aid	识别 ID	频率 Frequency	发射天线位置、坐标 Antenna site coordinates	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
1	2	3	4	5	6
Ledu VOR/DME	LED	112.2MHz CH59X	N36°36.5' E102°29.3'	3079m	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.
Xining VOR/DME	XNN	116.5MHz CH112X	N36°31.6' E102°01.8' 253°MAG/761m FM RWY center	2196m	At 6000m(enroute): beyond 34NM on R069°U/S for DME; At 5400m(enroute): beyond 38NM on R334°U/S for DME; At 6900m(enroute): beyond 36NM on R165°U/S for DME.
LOC 11	ICB	110.7MHz	111°MAG/2160m FM RWY center		

设施名称和类型 Name and type of aid	识别 ID	频率 Frequency	发射天线位置、坐标 Antenna site coordinates	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
ILS CAT I					
GP 11		330.2MHz	295 °MAG/1557m FM RWY center		Angle 3 °, RDH 15m Coverage 16NM
DME 11	ICB	CH44X (110.7MHz)	127m N of RCL,350m inwards THR11	2188m	Co-located with GP 11
LOC 29 ILS CAT I	IXN	108.7MHz	291 °MAG/2180m FM RWY center		
GP 29		330.5MHz	107 °MAG/1626m FM RWY center		Angle 3 °, RDH 15m Coverage 16NM
DME 29	IXN	CH24X (108.7MHz)	127m N of RCL, 280m inwards THR29	2169m	Co-located with GP 29

ZLXN AD 2.20 本场飞行规定

ZLXN AD 2.20 Local traffic regulations

1. 机场使用规定

无

1.Airport operations regulations

Nil

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。

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 滑行道的滑行限制/Taxiing 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(107-110)	≤65
A2、A3、D(apron part)、E(apron part)、T1、T2(101-106)	≤52
F(apron part)	≤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：

(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；

(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。

2.4 重型航空器机组申请滑行前应向管制员报告“重型”或“HEAVY”。

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

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

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 机位使用限制/Limits for aircraft parking on the following stands:

停机位/Stands	航空器翼展限制/ Wing span limits for aircraft
Nr.109A,110,116,211	≤60.3m

Nr.108,109, 204, 207	≤47.6m
Nr.101-103	≤38m
Nr.104-107,111-115,201-203,205,206,208-210,211A,211B,211C, 211D,212L,212R	≤35.8m
Nr.212,213,214	≤24m

3.2 机位滑行限制/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
Nr.101-110,109A, 211A,211B,211C,211D	Taxi in and push back	S	Aircraft with wing span limit 52-60.3m(included) should taxi in and taxi out stand Nr.109A or Nr.110 via TWY C.
Nr.111-115	Taxi in and out	N	
Nr.116,211,212,213,214	Taxi in and out	E	Aircraft with wing span limit 52-60.3m(included) should taxi in stand Nr.116 via TWY C and taxi out stand Nr.116 via TWY D; Aircraft with wing span limit 60.3m(included) should taxi in stand Nr.211 via TWY F and taxi out stand Nr.211 via TWY G.
Nr.201-210	Taxi in and push back	TML	
Nr.212L,212R	Taxi in and push back	E	

3.3 当 110 号停机位停放 E 类航空器时，109 号停机位停止使用；当 E 类航空器进出 110 号停机位时，机坪西侧工作车道与机坪之间禁止车辆、设备停放；当 109A 号停机位停放 E 类航空器时，108、109 号停机位停止使用；当 209 或 210 号停机位航空器推出时，212-214 号停机位西侧滑行通道禁止使用；当隔离机坪上停放 E 类航空器时，211A、211B、211C、211D 号停机位停止使用；当 212L 或 212R 号停机位停放航空器时，212-214 号停机位及其北侧和西侧工作车道禁止使用;212L 与 209 号停机位航空器、212R 与 210 号停机位航空器禁止同时推出。208 机位与 209、212 机位飞机不能同时进出，209、210、212L、212R 机位飞机不能同时进出。

3.3 When CAT E aircraft is parking on stand Nr.110, stand Nr.109 is forbidden to use. When CAT E aircraft taxiing in or out from stand Nr.110, it's forbidden for vehicles or equipment to park between apron and the lane west of apron. When CAT E aircraft is parking on stand Nr.109A, stand Nr.108 and 109 are forbidden to use. When aircraft pushing back from stand Nr.209 or 210, the TWY west of stands Nr.212-214 is forbidden to use; when CAT E aircraft is parking on isolated apron, stands Nr.211A, 211B, 211C and 211D are forbidden to use; when aircraft parking on stand Nr.212L or 212R, stands Nr.212-214, the lane north and west of stands Nr.212-214 are forbidden to use; stand Nr.212L and 209, stand Nr.212R and 210 are forbidden to push back simultaneously.Stands 208, 209 and 212 are fobidden to taxi in/out at the same time. Stands 209, 210, 212L and 212R are fobidden to taxi in/out at the same time.

3.4 201-210 号停机位有桥载空调设备和 400Hz 电源设备。

3.4 Ground power(400Hz) and Pre-Conditioned Air(PCA) units on stands Nr.201-210 are available.

4. 进、离场管制规定

无

4. Air traffic control regulations

Nil

5. 机场的 II/III 类运行

5. CAT II/III operations at AD

无

Nil

6. 除冰规则

6. Rules for deicing

无

Nil

7. 平行跑道同时仪表运行

7. Simultaneous operations on parallel runways

无

Nil

8. 警告

8. Warning

8.1 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。

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

8.2 机场 11 号跑道起飞有较近障碍物等高线（半径 15km 内障碍物第 6 号障碍物“等高线”），应引起重视。若遇单发，请注意检查航迹和高度。

8.2 Refer to AD2.10, obstacle ‘Contour line' (serial Nr.6) 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.

9. 直升机飞行限制，直升机停靠区

9. Helicopter operation restrictions and helicopter parking / docking area

无

Nil

ZLXN AD 2.21 噪音限制规定及减噪程序

ZLXN AD 2.21 Noise restrictions and Noise abatement procedures

无

Nil

ZLXN AD 2.22 飞行程序

ZLXN AD 2.22 Flight procedures

1. 总则

无

1. General

Nil

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。

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. 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。

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 manuals.

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 6km。

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 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，

4.2 Transponder operating procedures: for take-off aircraft, when requesting to push-back or start-up,

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。

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 最低监视引导扇区边界点

4.2.1 Points in Sectors

Points	Coordinates
RP011	E102°19′13.57″ N37°27′49.83″
RP012	E102°01′03″ N37°19′10″
RP013	E101°43′42″ N37°23′42″
RP022	E102°56′20.4″ N36°59′51″
RP023	E102°30′04″ N36°56′43″
RP031	E102°53′37″ N36°41′11″
RP032	E102°42′55.08″ N36°30′42.84″
RP041	E102°49′21″ N36°11′04.92″
RP042	E102°30′30″ N36°18′25″
RP043	E102°14′12″ N36°24′42″
RP044	E101°52′34.32″ N36°24′17.28″
RP045	E101°31′48″ N36°30′03″
RP046	E101°27′29.16″ N36°35′05.64″
RP047	E101°27′28″ N36°45′59″
RP048	E101°58′50″ N36°54′03″
RP052	E102°20′43.8″ N35°46′50.52″
RP053	E102°06′04″ N36°17′03″
RP061	E101°57′03.96″ N35°46′42.24″
RP062	E101°54′18″ N36°19′30″
RP063	E101°38′00.6″ N36°22′20.28″

RP064	E101°22′06″ N36°30′00″
RP065	E101°10′30″ N36°35′33″
RP066	E101°06′25.92″ N36°41′10.68″
RP067	E101°00′50″ N36°48′50″
RP074	E101°14′06″ N36°27′30″
RP075	E101°01′08.04″ N36°23′29.76″
RP081	E101°02′05.64″ N36°52′28.2″
RP082	E101°18′18″ N36°52′30″
RP083	E101°27′22.32″ N37°06′03.6″
RP084	E101°49′40″ N37°06′20″
RP085	E101°37′41.07″ N36°52′52.22″
RP100	E102°06′43.2″ N37°26′44.88″
RP160	E102°04′17.4″ N36°24′31.32″
RP161	E102°14′52.44″ N36°22′42.96″
RP162	E102°17′43.63″ N36°20′50.35″
RP163	E102°23′47.4″ N36°21′00.36″
RP200	E103°00′59″ N37°31′15″
RP231	E102°30′10.8″ N36°48′58.32″
RP232	E102°26′09.6″ N36°44′38.4″
RP330	E102°19′09.84″ N36°33′52.2″
RP331	E102°08′09.96″ N36°32′17.88″
RP332	E102°04′39″ N36°34′24.6″
RP341	E102°04′01.92″ N36°45′46.44″
RP351	E102°16′04.8″ N36°43′42.6″
RP360	E102°54′01.08″ N36°43′58.8″
RP361	E102°37′24.6″ N36°36′19.08″
RP362	E102°25′39.36″ N36°39′19.44″

RP363	E102°20′06.72″ N36°35′58.92″
RP364	E102°12′08.28″ N36°36′05.04″
RP365	E102°13′24.24″ N36°34′33.6″
RP500	E102°45′55″ N35°46′56″
RP710	E101°14′04.92″ N36°03′39.6″
RP720	E101°32′44.16″ N36°15′00.72″
RP730	E101°32′55.71″ N36°20′28″
RP800	E101°50′11.4″ N35°46′36.48″
RP900	E101°34′53.62″ N37°22′27.46″

4.2.2 最低监视引导扇区 4.2.2 Information of Sectors

Sector Nr.1	Minimum flight ALT: 5200m
Scope: RP011-RP012-RP013-RP100-RP011	
Sector Nr.2	Minimum flight ALT: 5000m
Scope: RP011-RP200-RP022-RP023-RP011	
Sector Nr.3	Minimum flight ALT: 4450m
Scope: RP023-RP022-RP360-RP361-RP362-RP363-RP364-RP341-RP351-RP232-RP231-RP023	
Sector Nr.4	Minimum flight ALT: 3900m
Scope: RP360-RP361-RP362-RP363-RP364-RP365-RP330-RP032-RP031-RP360	
Sector Nr.5	Minimum flight ALT: 3350m
Scope: RP041-RP042-RP043-RP044-RP045-RP046-RP047-RP048-RP341-RP332-RP331-RP330-RP032-RP031-RP041	
Sector Nr.6	Minimum flight ALT: 4700m
Scope: RP041-RP500-RP052-RP053-RP042-RP041	
Sector Nr.7	Minimum flight ALT: 5000m
Scope: a circle centered on the point E102°21′53.82″ N36°13′15.34″ with radius of 6km.	

Sector Nr.8	Minimum flight ALT: 4470m
Scope: RP052-RP061-RP062-RP063-RP064-RP045-RP044-RP160-RP161-RP162-RP163-RP042-RP053-RP052	
Sector Nr.9	Minimum flight ALT: 4750m
Scope: RP061-RP800- along the arc (Scope of Xining Approach Control Area) -RP710-RP720-RP730-RP074-RP075-RP067-RP066-RP065-RP064-RP063-RP062-RP061	
Sector Nr.10	Minimum flight ALT: 5000m
Scope: a circle centered on the point E101°40′02.94″ N35°58′52.81″ with radius of 10km.	
Sector Nr.11	Minimum flight ALT: 5350m
Scope: RP710-RP720-RP730-RP074-RP075-along the arc (Scope of Xining Approach Control Area)-RP710	
Sector Nr.12	Minimum flight ALT: 4150m
Scope: RP083-RP085-RP066-RP065-RP064-RP045-RP046-RP047-RP048-RP084-RP083	
Sector Nr.13	Minimum flight ALT: 4500m
Scope: RP067- along the arc (Scope of Xining Approach Control Area) -RP081-RP082-RP083-RP085-RP066-RP067	
Sector Nr.14	Minimum flight ALT: 4750m
Scope: RP081- along the arc (Scope of Xining Approach Control Area) -RP900-RP013-RP012-RP011-RP023-RP231-RP232-RP351-RP341-RP048-RP084-RP083-RP082-RP081	
Sector Nr.15	Minimum flight ALT: 3500m
Scope: RP341-RP364-RP365-RP330-RP331-RP332-RP341	
Sector Nr.16	Minimum flight ALT: 3500m
Scope: RP160-RP161-RP162-RP163-RP043-RP160	
Sector Nr.17	Minimum flight ALT: 4800m
Scope: a circle centered on the point E101°36′07.98″ N36°16′50.98″ with radius of 6km.	

5. 无线电通信失效程序

无

5. Radio communication failure procedures

Nil

6. 目视飞行程序

无

6. Procedures for VFR flights

Nil

7. 目视飞行航线

无

7. VFR route

Nil

8. 目视参考点

无

8. Visual reference point

Nil

9. 其它规定

无

9. Other regulations

Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

Waypoint Coordinates

Waypoint ID	Coordinates	Waypoint ID	Coordinates
XN603	N363748 E1014044	XN807	N363143 E1022035
XN604	N364232 E1014245	XN808	N362725 E1023843
XN620	N361818 E1020636	XN818	N362632 E1024604
XN703	N362547 E1022358	XN820	N364645 E1015203
XN705	N363129 E1023753	LED	N3636.5 E10229.3
XN711	N362803 E1022926	XNN	N3631.6 E10201.8
XN803	N363138 E1023140	UPVOP	N3625.8 E10251.4

RWY11 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification

			(°)					
UPVOP-08D								
CA			111		3400	MAX407		RNP1
DF	XN803			L	↑3900			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1

RWY29 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
UPVOP-19D								
CA			291		3000	MAX407		RNP1
DF	XN807			R	↑4500			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1
UPVOP-18D								
CA			291		3000	MAX407		RNP1
DF	XN620			L	↑5400			RNP1
TF	XN808							RNP1
TF	UPVOP							RNP1

RWY11 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
UPVOP-08A								
IF	UPVOP							RNP1

TF	XN808							RNP1
TF	LED				5700			RNP1
TF	XN820				↑4500			RNP1
TF	XN604				3900	MAX380		RNP1

RWY29 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
UPVOP-19A								
IF	UPVOP							RNP1
TF	XN818							RNP1
TF	XN705				4500			RNP1
TF	XN711				3900	MAX380		RNP1

RWY11 Approach Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
UPVOP-08A								
IF	XN604				3900	MAX380		RNP1
TF	XN603				3400			RNP1

RWY29 Approach Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
UPVOP-19A								

IF	XN711				3900	MAX380		RNP1
TF	XN703				3400			RNP1

RWY11 Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
Holding(outbound time 1.5 minute)								
HM	XN820	Y	243	R	4800			RNP1
HM	LED	Y	291	R	5700			RNP1

RWY29 Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
Holding(outbound time 1.5 minute)								
HM	XN705	Y	272	L	4500			RNP1

ZLXN AD 2.23 其它资料

机场飞行区全年有鸟类活动。鸟类种类共计 39 种，其中雀形目鸟类最多。小型危险的鸟类有：楼燕、角百灵、云雀、沙鸻、亚洲短趾百灵等；中型危险的鸟类有：喜鹊、红嘴山鸦、鸽子、隼、鹰、鸮等。鸟类飞行高度为 0-200m。鸟类的种类和数量表现为：每年 1-3 月为平稳期，4-6 月为上升期，7-9 月为高峰期，10-12 月为下降期。

ZLXN AD 2.23 Other information

Activities of bird flocks are found all the year round. 39 kinds of birds are observed in aerodrome flight area, small and medium-sized birds are in the majority, flight altitude is from 0 to 200 meters. Performance of birds activities in whole year: steady period from January to March, rised period from April to June, peak period from July to September, and descent period from

October to Decemeber.