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

ZYQQ- 齐齐哈尔 / 三家子 QIQIHAR/Sanjiazi

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

1	机场基准点坐标及其在机场的位置 ARP coordinates and site at AD	N47° 14.3' E123° 55.0' Center of RWY
2	方向、距离 Direction and distance from city	206° GEO, 13km from the railway station
3	标高 / 参考气温 Elevation/Reference temperature	145m/ -
4	机场标高位置 / 高程异常 AD ELEV PSN/ geoid undulation	-
5	磁差 / 年变率 MAG VAR/Annual change	10° W/ -
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	Qiqihar Airport Branch,Heilongjiang Province Airport Groups Co., Ltd. Qiqihar/Sanjiazi Airport, Longsha District, Qiqihar 161016, Heilongjiang province, China TEL: 0452-2393705 FAX: 0452-2393700 AFS: ZYQQZPZX
7	允许飞行种类 Types of traffic permitted(IFR/VFR)	IFR/VFR
8	机场性质 / 飞行区指标 Military or civil airport & Reference code	Civil/4C
9	备注 Remarks	Nil

ZYQQ AD 2.3 工作时间 Operational hours

1	机场当局 (机场开放时间) AD Administration (AD operational hours)	HS or O/R
2	海关和移民 Customs and immigration	HS or O/R
3	卫生健康部门 Health and sanitation	HS or O/R
4	航行情报服务讲解室 AIS Briefing Office	HS or O/R
5	空中交通服务报告室 ATS Reporting Office (ARO)	HS or O/R
6	气象讲解室 MET Briefing Office	HS or O/R
7	空中交通服务 ATS	HS or O/R
8	加油 Fuelling	HS or O/R
9	地勤服务 Handling	HS or O/R

10	保安 Security	HS or O/R
11	除冰 De-icing	HS or O/R
12	备注 Remarks	Nil

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

1	货物装卸设施 Cargo-handling facilities	Baggage transporters, trucks(10 tonnes)
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 trucks: 13 litres/sec
4	除冰设施 De-icing facilities	De-icer
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 various types of aircraft on request. Spare parts and other maintenance work by prior arrangement.
7	备注 Remarks	Nil

ZYQQ AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	In the city
2	餐馆 Restaurants	In the city
3	交通工具 Transportation	Passenger's coaches, taxis
4	医疗设施 Medical facilities	Hospitals in the city
5	银行和邮局 Bank and Post Office	At AD
6	旅行社 Tourist Office	In the city TEL: 0452-2407638
7	备注 Remarks	Nil

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

1	机场消防等级 AD category for fire fighting	CAT 6
2	援救设备 Rescue equipment	Fire fighting facilities:fire tenders; Rescue equipment: ambulance
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	Nil
4	备注 Remarks	Nil

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

1	扫雪设备类型 Types of clearing equipment	snow ploughs
2	扫雪顺序 Clearance priorities	RWY, TWY, Apron
3	备注 Remarks	Nil

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

1	停机坪道面和强度 Apron surface and strength	Surface:	Cement concrete
		Strength:	PCN 51/R/B/W/T
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	18m
		Surface:	Cement concrete
		Strength:	PCN 50/R/B/W/T
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	

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

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠 / 停放位置引导系统的使用 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 and at all holding positions; Guide lines at apron.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	RWY designation, THR, center circle, TDZ, center line, edge line
		RWY lights	Edge line, THR, RWY end
		TWY markings	Center line, taxi holding positions
		TWY lights	Edge line
3	停止排灯 Stop bars	Yes. Stop bars at appropriate positions.	
4	备注 Remarks	Nil	

ZYQQ AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on RWY center					
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)	场压高 AAL Height(m)	影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected
1	Chimney	001	8133	83.6	
2	TWR	002	4102	41.3	
3	TWR	003	6095	59.5	
4	Chimney	006	8145	111.9	RWY17/Circling for CAT C RWT35/Circling for CAT C
5	TWR	006	3620	44.4	RWY17 VOR/DME final approach
6	TWR	006	4762	57.2	RWY17 NDB/DME final approach RWY17 NDB final approach
7	Chimney	007	2221	24.9	
8	TWR	009	4662	51.0	
9	Control TWR	010	1293	24.2	
10	TWR	013	4251	55.7	RWY17/Circling for CAT A RWY35/Circling for CAT A
11	Chimney	014	1328	29.9	
12	TWR	014	5490	68.7	
13	*TWR	017	10629	183.1	
14	TWR	018	10629	184.9	RWY17/Circling for CAT D RWY35/Circling for CAT D
15	*BLDG	026	5541	88.7	RWY17/Circling for CAT BRWY35/Circling for CAT B
16	*BLDG	026	5542	79.4	
17	*BLDG	028	5112	75.1	
18	*BLDG	031	5182	83.5	
19	*BLDG	032	5159	83.8	
20	*BLDG	034	4864	72.1	
21	*BLDG	035	4878	78.4	
22	Antenna	066	3016	24.0	
23	TWR	079	4398	32.5	
24	*Antenna	167	5268	31.2	
25	TWR	167	11772	71.3	RWY35 NDB/DME final approach RWY35 NDB final approach
26	Lightning rod	168	5301	30.4	RWY35 VOR/DME final approach RWY35 NDB/DME final approach RWY35 NDB final approach

Obstacles within a circle with a radius of 15km centered on RWY center					
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)	场压高 AAL Height(m)	影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected
27	Antenna	168	2309	12.2	
28	TWR	174	838	15.7	
29	BLDG	226	1263	7.2	
30	BLDG	279	298	33.2	
31	Antenna	280	320	30.3	
32	TWR	319	2546	37.6	
33	Chimney	321	2296	27.5	
34	TREE	335	979	17.6	RWY17 ILS/DME approach RWY17 ILS approach
35	BLDG	338	867	3.8	
36	TWR	340	1040	15.7	
37	Antenna	346	7345	37.2	
38	BLDG	346	1300	1.0	
39	Lightning rod	348	7360	36.1	RWY17 ILS/DME GP INOP final approach RWY17 ILS GP INOP final approach
40	Tree	350	1980	16.2	
41	BLDG	351	1342	3.0	
42	Tree	353	1945	16.5	take-off path
43	Pole	353	1070	5.3	
44	GP station	354	1011	10.5	
45	BLDG	354	1008	4.0	
46	TWR	358	7977	56.5	RWY17 NDB/DME final approach
Remarks: Other obstacles refer to AD OBST chart.					

Obstacles between two circles with the radius of 15km and 50km centered on RWY center					
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
1	MT	018	39500	169	
2	Chimney	043	18428	390	RWY17 sector RWY35 sector
3	TWR	180	17207	210	RWY35 NDB/DME intermediate approach
4	MT	286	44041	253	
5	MT	287	44000	237	
6	MT	299	40000	179	

Obstacles between two circles with the radius of 15km and 50km centered on RWY center					
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
7	TWR	333	15016	206	RWY17 VOR/DME intermediate approach
8	TWR	338	15484	206	RWY17 ILS/DME RWY17 ILS/DME GP INOP RWY17 NDB/DME intermediate approach
9	TWR	350	18433	219	RWY17 ILS RWY17 NDB intermediate approach
Remark: 1. Other obstacles refer to AD OBST chart.					

ZYQQ 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	相关气象室的名称 Associated MET Office	Qiqihar MET Office
2	气象服务时间、服务时间以外的责任气象室 Hours of service, MET Office outside hours	HS --
3	负责编发 TAF 的办公室；有效期 Office responsible for TAF preparation,Periods of validity	Qiqihar MET Office 9 HR
4	着陆预报类型、发布间隔 Type of landing forecast, Interval of issuance	Trend 1 HR
5	所提供的讲解 / 咨询服务 Briefing/consultation provided	P
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
8	提供信息的辅助设备 Supplementary equipment available for providing information	FAX
9	接收气象信息的空中交通服务单位 ATS units provided with information	TWR
10	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
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)	SFC wind sensors: RWY 17: 120m E of RCL, 310m inward THR; RWY 35: 120m E of RCL, 300m inward THR. CENTER: 120m E of RCL, 1290m inward THR17. RVR EQPT: A: 110m E of RCL, 310m inward THR17. B: 120m E of RCL, 1250m inward THR17. C: 120m E of RCL, 340m inward THR35. Ceilometer: RWY17: 31m E of RCL, 1010m outward THR17. RWY35: 8m E of RCL, 1053m outward THR35.
13	气象观测系统的工作时间 Hours of operation for meteorological observation system	HS
14	气候资料 Climatological information	Climatological tables AVBL
15	其他信息 Additional information	Nil

ZYQQ 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/SWY surface	着陆入口坐标及高程异常 THR coordinates and geoid undulation	跑道着陆入口标高，精密进近跑道接地地带最高标高 THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
17	158° GEO 168° MAG	2600 × 45	51/R/B/W/T Concrete/-	Nil	THR 145.3m --
35	338° GEO 348° MAG	2600 × 45	51/R/B/W/T Concrete/Asphalt	Nil	THR 144.4m --
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)	无障碍物地带 OFZ	跑道端安全区长宽 RWY end safety area dimensions (m)
7	8	9	10	11	12
See AOC	Nil	Nil	2720 × 300	Nil	Nil
See AOC	60 × 50	Nil	2720 × 300	Nil	Nil
Remarks:					

ZYQQ AD 2.13 公布距离 Declared distances

跑道代号 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
17	2600	2600	2600	2600	Nil
35	2600	2600	2660	2600	Nil
Remarks:					

ZYQQ 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
17	SALS 420m LIM	Green --	Nil	Nil	Nil	2600m* spacing 60m	Red	Nil
35	CAT I 900m LIH	Green --	Nil	Nil	Nil	2600m** spacing 60m	Red	Nil
Remarks: * 0-2000m White VRB LIH; 2000-2600m Yellow VRB LIH. ** 0-200m Red VRB LIH; 200-2000m White VRB LIH; 2000-2600m Yellow VRB LIH.								

ZYQQ AD 2.15 其它灯光 , 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	着陆方向指示器位置和灯光 ; 风速表位置和灯光 LDI location and LGT, Anemometer location and LGT	See AD Chart
3	滑行道边灯和中心线灯光 TWY edge and center line lighting	Edge line lights
4	备份电源 / 转换时间 Secondary power supply/switch-over time	Secondary power supply available/ 15 sec
5	备注 Remarks	Nil

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

1	TLOF 坐标或 FATO 入口坐标及高程异常 Coordinates TLOF or THR of FATO Geoid undulation	Nil
2	TLOF 和 / 或 FATO 标高 (m) TLOF and/or FATO elevation (m)	Nil

3	TLOF 和 FATO 区域范围、道面、强度和标志 TLOF and FATO area dimensions,surface, strength, marking	Nil
4	FATO 的真方位和磁方位 True and MAG BRG of FATO	Nil
5	公布距离 Declared distance available	Nil
6	进近灯光和 FATO 灯光 APP and FATO lighting	Nil
7	备注 Remarks	Nil

ZYQQ AD 2.17 空中交通服务空域 ATS airspace

名称 Designation	横向界限 Lateral limits	垂直界限 Vertical limits	备注 Remarks
Qiqihar tower control area	By ATC	By ATC	
Altimeter setting region and TL/TH	By ATC	TL 3600m TH (3000)m	

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

服务名称 Service Designation	呼号 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5
TWR	Qiqihar Tower	130.0	HO	Nil

ZYQQ 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
Qiqihar VOR/DME	NDG	112.9MHz CH 76X	N47° 14.7′ E123° 55.2′ 034° MAG/ 511m FM RWY center		
LOC 17 ILS CAT I	IGF	110.7MHz	167° MAG/ 396m FM end RWY 17		
GP 17		330.2MHz	354° MAG/ 1010m FM RWY center		Angle 3° RDH 15m
LOM 17	GF	240kHz	347° MAG/ 6045m FM THR RWY17		

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
LMM 17	G	424kHz	347° MAG/ 1024m FM THR RWY17		
LOM 35	LJ	177kHz	167° MAG FM RWY center/ 3968m FM THR35		
LMM 35	L	366kHz	168° MAG FM RWY center/ 1009m FM THR35		
Remarks:					

ZYQQ AD 2.20 本场飞行规定

1. 机场使用规定

1.1 本场仅供B737-800同类及以下机型使用。

1.2 所有飞行需事先申请，并得到空中交通管制部门批准后方可进行。

2. 跑道和滑行道的使用

禁止在滑行道上做180°转弯；禁止MD-82以上航空器在跑道中段转弯或调头。

3. 机坪和机位的使用

发动机试车，需经塔台管制许可。

4. 进、离场管制规定

无

5. 机场的 II/III 类运行

ZYQQ AD 2.20 Local traffic regulations

1. Airport operations regulations

1.1 Maximum aircraft to be available: B737-800;

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

2. Use of runways and taxiways

180° turnaround on TWY is forbidden for all aircraft; Turn and 180° turnaround on the middle part of RWY are forbidden for MD-82 and heavier aircraft.

3. Use of aprons and parking stands

Engine run-ups are subject to Tower Control clearance.

4. Air traffic control regulations

Nil

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

无

Nil.

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

ZYQQ AD 2.21 噪音限制规定及减噪程序

ZYQQ AD 2.21 Noise restrictions and Noise abatement procedures

无

Nil

ZYQQ AD 2.22 飞行程序

ZYQQ AD 2.22 Flight procedures

1. 总则

1. General

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

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

2. 起落航线

2. Traffic circuits

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

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

3. 仪表飞行程序

严格按照航图中公布的进、离场程序飞行。如果需要，航空器可在空中交通管制部门指定的航路、导航台或定位点上空等待或做机动飞行。

3. IFR flight procedures

Strict adherence is required to the relevant arrival/departure procedures published in the aeronautical charts. Aircraft may, if necessary, hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.

4. 雷达程序和 / 或 ADS-B 程序

无

4. Radar procedures and/or ADS-B procedures

Nil

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

QQ401	N465659E1242116	QQ651	N472254E1235000
QQ403	N472918E1232522	QQ652	N472557E1240110
QQ408	N471423E1234432	QQ653	N470454E1235156
QQ410	N465944E1240346	HLD	N491212E1194918
QQ551	N470709E1235923	HRB	N453736E1261536

RWY17 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
HRB-09D								
CF	QQ551		168					RNP1
TF	QQ410							RNP1
TF	QQ401							RNP1
TF	HRB							
HLD-09D								
CA			168		445	MAX400		RNP1
DF	QQ408			R				RNP1
TF	QQ403							RNP1
TF	HLD							

RWY35 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
HRB-19D								
CA			348		445			RNP1
DF	QQ653			L				RNP1
TF	QQ401							RNP1
TF	HRB							
HRB-18D								
CF	QQ651		348			MAX400		RNP1
TF	QQ652							RNP1
TF	QQ401							RNP1
TF	HRB							
HLD-19D								
CF	QQ651		348			MAX400		RNP1
TF	QQ403							RNP1
TF	HLD							

ZYQQ AD 2.23 其它资料

无

ZYQQ AD 2.23 Other information

Nil