

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

ZWWW-乌鲁木齐/地窝堡 URUMQI/Diwopu

**ZWWW 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	N43° 54.5' E087° 28.5' Center of RWY
2	方向、距离 Direction and distance from city	320° GEO, 17.1km from city center
3	标高 / 参考气温 Elevation/Reference temperature	647.9m / 34.9° C(JUL)
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	3° E/ -
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	Xinjiang Airport Group CO.LTD Urumqi Diwopu International Airport No.1341 Yingbin Street, Urumqi 830016, Xinjiang Uygur Autonomous Region, China TEL: 86-991-3806317 FAX: 86-991-3806317 AFS: ZWWWZPZX Website:www.xjairport.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

**ZWWW 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	H24
3	卫生健康部门 Health and sanitation	H24
4	航行情报服务讲解室 AIS Briefing Office	H24
5	空中交通服务报告室 ATS Reporting Office (ARO)	H24
6	气象讲解室 MET Briefing Office	H24
7	空中交通服务 ATS	H24
8	加油 Fuelling	H24

9	地勤服务 Handling	H24
10	保安 Security	H24
11	除冰 De-icing	H24
12	备注 Remarks	Nil

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

1	货物装卸设施 Cargo-handling facilities	Dolly, luggage conveyor truck, baggage dollies, fork,pallet
2	燃油 / 滑油牌号 Fuel/oil types	Nr.3 jet fuel/-
3	加油设施 / 能力 Fuelling facilities/capacity	Oil tank, refueller, hydrant dispenser, apron refueling well: 81 L/s; Maximum fuel support capacity during peak hours: 230t
4	除冰设施 De-icing facilities	De-icer, de-icing fluid: FCY-1A, CLEANWINGI, CLEANWINGII, FCY-2, de-icing apron available
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: B737-300/700/800/900, B737-8, B757-200, A319/320/321, A320NEO, CRJ200; Aircraft engines non-replaceable, spare parts for aircraft maintenance unavailable
7	备注 Remarks	Ground power unit, ground air supply unit, towing vehicle,air conditioning unit, aerial vehicle, heating machine, de-icing liquid-adder, filling station are available.

**ZWWW AD 2.5 旅客设施 Passenger facilities**

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

**ZWWW 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 9
2	援救设备 Rescue equipment	Fire fighting facilities: primary foam tender, heavy-duty foam tender, demolition rescue truck, command car, dry-chemical tender, illumination truck, rapid intervention vehicle; Rescue equipment:rescue reinforcement car, emergency command vehicle, ambulance, rescue air-cushion, hydraulic spreader, hydraulic cutting pliers, toothless cutter, air respirator.

3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to A380 (including: fork, towing tractor, uplift air cushion, lifting equipment, mobile surface operation devices, rubber crosstie, towing rack, tie-down)
4	备注 Remarks	Nil

## ZWWW AD 2.7 可用季节 - 扫雪 Seasonal availability-clearing

1	扫雪设备类型 Types of clearing equipment	All seasons Snow blowers, snow ploughs, snow slingers, snow fluid truck, friction coefficients test vehicles
2	扫雪顺序 Clearance priorities	RWY, TWY, Apron
3	备注 Remarks	Nil

## ZWWW 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:	CONC
		Strength:	PCN 83/R/B/W/T(Stands Nr.33,39,41,43,45,47,171-180,DC4,DC5,DC10) PCN 80/R/A/W/T(Stands Nr.16-19) PCN 78/R/B/X/T(Stands Nr.162-170,181) PCN 77/R/B/W/T(Stands Nr.DC6-DC9) PCN 74/R/A/W/T(Stands Nr.7-15) PCN 74/R/B/W/T(Stands Nr.25,28-32,34,38,40,42,44,46) PCN 70/R/B/W/T(Stands Nr.20,23,24) PCN 69/R/B/W/T(Stands Nr.48-58) PCN 68/R/B/X/T(Stands Nr.71-79) PCN 64/R/C/W/T(Stands Nr.148-153) PCN 62/R/B/W/T(Stands Nr.141-147) PCN 61/R/B/W/T(Stands Nr.DC1-DC3) PCN 52/R/A/W/T(Stands Nr.1-6, 100-115)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	18m: B(east of F); 23m: A, B4, H, J(north of K3), K(south of T), K1, K2, K3, K4, K5, K6, T(east cargo apron); 28m: B(BTN L&F); 28.5m: A1-A4, L, M, T(west of DC4); 34m: A6, A7, A8(south of B), A9, B1, B2, F, K(BTN A&B), N, T(BTN stand DC4&east cargo apron); 38m: J(south of K3); 46m: K(BTN B&T); 49m: B3; 67m: A10; 70m: A5, A8(north of B)
		Surface:	Asphalt, CONC(A(east of F), B(BTN DC1&stand Nr.170), B4, J(south of K3), K(south of K3), K3, K4, K5, K6)
		Strength:	PCN 86/F/B/X/T (A(west of F), A5, A8(north of B), M) PCN 83/R/B/X/T (B1, B2, J(north of K3), K(BTN T&K3), K1(BTN K&J), K2(BTN K&J), N, T(BTN L&K, BTN B2&east cargo apron, east cargo apron)) PCN 80/F/B/W/T (A7, A8(south of B), A9, F(south of B), K(BTN A&B), L(south of B)) PCN 79/R/B/W/T (A2-A4, B(BTN L&F), F(north of B), L(north of B)) PCN 78/F/B/W/T (A1, A6) PCN 78/R/B/X/T (B(BTN DC1&stand Nr.170), B3) PCN 76/R/B/W/T (T(BTN stand Nr.141 & B2)) PCN 74/R/B/W/T (H, K1(others), K2(others)) PCN 70/R/B/W/T (A10, K(BTN B&T), T(BTN K&stand Nr.141)) PCN 69/R/B/W/T (A(east of F), B4, J(south of K3), K(south of K3), K3, K4, K5, K6) PCN 61/R/B/W/T (B(BTN F&DC1)) PCN 52/R/A/W/T (T1-T4)
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	INS checkpoints: at stands	

5	备注 Remarks	Width of TWY A shoulder on both sides is 10.5m, width of TWY B shoulder on both sides is 8m.
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## ZWWW 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 with TWY and RWY and at all holding positions. Aircraft stand identification sign board at apron except stands 71-79, 100-109, 141-153, 162-169. Taxiing guide lines at all TWY and apron. Marshaller guidance at all stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	THR, RWY designation, center line, edge line, TDZ, aiming point
		RWY lights	THR, wing bar, Edge line, center line, TDZ, RWY end
		TWY markings	Center line, edge line, RWY holding positions, NO-entry(for TWY A1-A4), intermediate holding position, TWY stop sign(B1,B3,K4)
		TWY lights	Edge line, center line, RWY guarding LGTs(for TWY F,L,M,N), No entry(for A1,A2,A3,A4), rapid exit TWY LGTs(for A1,A2,A3,A4).
3	停止排灯 Stop bars	Stop bars at TWY F and TWY M.	
4	备注 Remarks	Nil	

## ZWWW AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on the 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	Antenna	066	1500	663	
2	Antenna	071	2775	665.9	RWY07 Take-off flight path
3	Antenna	071	3114	675	RWY07 Take-off flight path
4	Antenna	071	9240	690	RWY07 departure
5	Chimney	081	8400	804	RWY07 Take-off flight path; RWY25 final approach
6	Chimney	094	1300	687	
7	Iron TWR	098	6600	761	
8	Iron TWR	151	1000	688	
9	MT	162	9700	999	
10	MT	165	11000	1087	
11	BLDG	172	705	693	
12	BLDG	182	3400	745	
13	BLDG	186	4800	776	
14	MT	196	12500	1191	
15	MT	201	14500	1186	
16	Chimney	227	5300	765	

Obstacles within a circle with a radius of 15km centered on the 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
17	BLDG	227	6150	765	
18	BLDG	230	5360	742	
19	Chimney	230	5600	772	
20	BLDG	232	5200	736	
21	Chimney	233	7300	807	
22	Chimney	235	7000	804	RWY07 VOR/DME final approach
23	MT	236	14576	1000	MVA sector
24	MT	248	9000	740	
25	Antenna	251	2800	664	
26	Antenna	251	9190	770	RWY07 GP INOP
27	Antenna	255	1473	658	
Remarks:Nil.					

Obstacles between two circles with the radius of 15km and 50km centered on the 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	030	168884	818	MVA sector
2	MT	057	37800	935	RWY07 arrival
3	MT	067	32959	878	RWY25 initial approach
4	MT	067	76067	749	MVA sector
5	MT	075	38500	1472	
6	MT	075	39510	1140	RWY25 initial approach
7	MT	079	27279	940	
8	MT	081	24373	860	RWY25 initial approach
9	MT	081	55014	2057	MVA sector
10	MT	081	68565	2516	MVA sector
11	MT	083	21636	831	
12	MT	088	40500	1860	
13	MT	089	19440	815	RWY25 intermediate approach
14	MT	089	35175	1407	
15	MT	090	83605	4344	MVA sector
16	MT	091	94690	3800	MVA sector
17	MT	095	32409	1391	
18	Contour line	095	150974	2200	MVA sector
19	MT	096	70334	5445	MVA sector
20	MT	098	88412	4363	MVA sector
21	Contour line	107	28033	1200	MVA sector
22	MT	109	44500	3250	
23	MT	109	51282	3941	MVA sector

Obstacles between two circles with the radius of 15km and 50km centered on the 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
24	MT	110	136170	3400	MVA sector
25	MT	113	47111	3000	MVA sector
26	MT	117	55400	2400	MVA sector
27	MT	120	113146	2501	MVA sector
28	MT	134	31500	1677	
29	MT	155	16869	1397	MVA sector
30	MT	178	55666	2972	MVA sector
31	MT	179	67707	3079	MVA sector
32	Contour line	201	47180	2040	
33	MT	206	61794	3280	
34	MT	207	63631	3530	MVA sector
35	MT	210	64501	3450	
36	MT	213	48356	1948	
37	MT	213	99676	4562	MVA sector
38	MT	221	18399	1287	MVA sector
39	MT	223	123306	4404	MVA sector
40	MT	226	85600	3695	
41	MT	229	107698	4502	MVA sector
42	MT	232	24900	1440	RWY07 intermediate approach
43	MT	233	27518	1600	RWY07 initial approach, MVA sector
44	MT	233	31000	2015	
45	MT	238	15700	1050	
46	MT	238	34899	2016	MVA sector
47	MT	239	116667	4687	MVA sector
48	MT	240	68851	3320	
49	MT	242	22641	1206	RWY25 missed approach
50	MT	242	123699	5290	MVA sector
51	MT	244	32000	1288	
52	MT	246	31937	1489	MVA sector
53	MT	246	59673	2000	MVA sector
54	MT	247	26912	1305	RWY07 initial approach
55	MT	247	39700	1491	
56	MT	248	26721	1180	RWY07 intermediate approach
57	MT	249	31300	1482	RWY07 initial approach
58	MT	253	97757	3456	MVA sector
59	MT	260	108479	3200	MVA sector
60	MT	265	31800	820	
61	MT	271	106865	1547	MVA sector
62	MT	285	27074	845	MVA sector
Remarks:Nil.					

## ZWWW AD 2.11 提供的气象信息、机场观测与报告

## Meteorological information provided &amp; aerodrome observations and reports

1	相关气象室的名称 Associated MET Office	Urumqi ATMB 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	H24 --
3	负责编发 TAF 的办公室:有效期 Office responsible for TAF preparation, Periods of validity	Urumqi ATMB MET Office 9 HR, 24 HR
4	着陆预报类型、发布间隔 Type of landing forecast, Interval of issuance	Trend 30 MIN
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 forecast charts, upper W/T charts, satellite and radar aerodrome material, real-time data, significant weather information, low-altitude weather information
8	提供信息的辅助设备 Supplementary equipment available for providing information	AFTN, FAX, telephone
9	接收气象信息的空中交通服务单位 ATS units provided with information	ACC, TMA
10	观测类型与频率/自动观测设备 Type & frequency of observation/ Automatic observation equipment	Half 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: Nil. RVR EQPT: 110m N of RCL: A: 342m inward THR07, B: 1805m inward THR07, C: 365m inward THR25; Ceilometer: 105m N of RCL, 365m inward THR25; 342m inward THR07.
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: 86-991-3801306

## ZWWW 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
07	074° GEO 071° MAG	3600 × 45	87/R/B/W/T Asphalt/ Concrete	Nil	THR 647.6m TDZ 647.2m
25	254° GEO 251° MAG	3600 × 45	87/R/B/W/T Asphalt/ Concrete	Nil	THR 647.9m TDZ 647.2m

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	60 × 45	200 × 180	3720 × 300	Nil	240 × 120
See AOC	60 × 45	200 × 180	3720 × 300	Nil	240 × 120
Remarks: RWY shoulder: 7.5m on each side.					

## ZWWW 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
07	3600	3800	3660	3600	Nil
25	3600	3800	3660	3600	Nil
07	3170	3370	3230	3600	FM N
25	3445	3645	3505	3600	FM M
Remarks:					

## ZWWW 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
07	CAT I* 900m VRB LIH	Green Yes	PAPI	Nil	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil
25	CAT III* 900m VRB LIH	Green Yes	PAPI	900m	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil
Remarks: *SFL **0-2700m White VRB LIH, 2700-3300m Red/White VRB LIH, 3300m-3600m Red VRB LIH *** 0-3000m White VRB LIH, 3000-3600m Yellow VRB LIH								



**ZWWW 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	WDI: RWY07: 124m north of center line, 430m inward THR, LGT RWY25: 130m south of center line, 440m inward THR, LGT
3	滑行道边灯和中心线灯光 TWY edge and center line lighting	All TWYs
4	备份电源 / 转换时间 Secondary power supply/switch-over time	Secondary power supply available, diesel motor/ RWY LGTs & ALS of RWY25: 1sec; others: ≤ 15 sec
5	备注 Remarks	Nil

**ZWWW 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

**ZWWW 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
Urumqi tower control area	A rectangle with 2 parallel lines 8km from RCL and 2 parallel lines vertical to RCL 19km from ARP	SFC-1500m (exclusive) (QNH)	Nil

名称 Designation	横向界限 Lateral limits	垂直界限 Vertical limits	备注 Remarks
Fuel Dumping Area	N45 22.5E088 26.0 - N45 15.5E088 55.0 - N44 34.0E088 23.0 - N44 38.5E088 08.0 - N45 22.5E088 26.0	Above 4000m	Nil
Altimeter setting region and TL/TA	Same as Urumqi APP area	TL 3600m TA 3000m 3300m(QNH $\geq$ 1031hPa) 2700m(QNH $\leq$ 979hPa)	Nil

**ZWWW 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
ATIS		126.7	H24	D-ATIS available
APP	Urumqi Approach	120.25 (119.9) AP01	0230-1530	Contact ZWWWAP03 when ZWWWAP01 U/S.
APP	Urumqi Approach	126.05 (119.9) AP02	0230-1530	Contact ZWWWAP01 when ZWWWAP02 U/S.
APP	Urumqi Approach	123.8 (119.9) AP03	H24	Nil
APP	Urumqi Approach	127.9 (119.9) AP04	0230-1530	Contact ZWWWAP03 when ZWWWAP04 U/S.
TWR	Diwopu Tower	118.1(125.0)	H24	
GND	Diwopu Ground	(N)121.65	2200-1800(Next Day)	1800-2200 By ATC
GND	Diwopu Ground	(S)121.8	2200-1800(Next Day)	1800-2200 By ATC
GND	Urumqi Delivery	121.9	0000-1500	DCL available
EMG		121.5		

**ZWWW 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
Urumqi VOR/DME	WUR	115.3MHz CH 100X	N43° 54.8' E087° 30.5' 071° MAG/ 2780m FM RWY center	664m	

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
LOM 07	OY	352kHz	251° MAG/ 7390m FM THR RWY07		6-7 NM on bearing 129° U/S
LMM 07	O	212kHz	251° MAG/ 1000m FM THR RWY07		
LOC 07 ILS CAT I	IOY	109.7MHz	071° MAG/ 300m FM end RWY 07		Beyond 16NM and beyond 008° rightside of front course U/S.
GP 07		333.2MHz	255° MAG/ 1473m FM RWY center		Angle 3° RDH 15m
DME 07	IOY	CH 34X (109.7MHz)		653m	Co-located with GP07
LOM 25	RM	398kHz	071° MAG/ 7440m FM THR RWY 25.		Beyond 11NM on bearing 330° U/S.
LMM 25	R	306kHz	071° MAG/ 975m FM THR RWY 25		
IM 25		75MHz	on RCL extended, 320m outside THR25		
LOC 25 ILS CAT I	IRM	110.3MHz	251° MAG/ 300m FM end RWY 25		Beyond 007° leftside and BTN 17NM and 25NM of front course U/ S; beyond 015° leftside of front course U/S.
GP 25		335.0MHz	066° MAG/ 1500m FM RWY center		Angle 3° RDH 15m
DME 25	IRM	CH 40X (110.3MHz)		652m	Co-located with GP25
Remarks: Nil					

## ZWWW AD 2.20 本场飞行规定

## ZWWW AD 2.20 Local traffic regulations

## 1. 机场使用规定

## 1. Airport operations regulations

1.1 本场可提供以下机型的拖把: B737/737-8/747/757/767/777,A300/310/318/319/320/321/330,A340-300/400, E145/190, IL76, TU154, YK42, MD11/82/90, CRJ200.

1.1 Tow bar is available for aircraft with following type B737/737-8/747/757/767/777,A300/310/318/319/320/321/330,A340-300/400,E145/190,IL76,TU154,YK42,MD11/82/90,CRJ200.

1.2 航空器地面运行期间（推出、开车、滑行、拖行）应答机开启地面模式；航空器进入停机位后关闭应答机地面模式。

1.2 During the ground operation(push back, start-up, taxi, drag), transponder should open ground mode and close it after aircraft enter stand.

## 2. 跑道和滑行道的使用

## 2. Use of runways and taxiways

2.1 可以通过地面管制申请引导车和拖车服务；

2.1 Follow-me vehicle service and towing service are available via Ground Control;

2.2 在转换使用跑道方向过程中，短时使用跑道顺风分量大于3m/s但小于等于5m/s时，管制员向航空器驾驶员通报地面风向，风速，由航空器驾驶员根据机型性能或者运行手册要求决定是否使用管制员安排的跑道起飞或者着陆，并将决定告知管制员。

2.2 During changing the direction of RWY in use, if downwind speed is more than 3m/s and not exceeding 5m/s, ATC shall inform pilot the ground wind direction and speed. According to aircraft performance or operation handbook, pilot shall decide whether aircraft will take off or land on downwind runway allocated, then inform ATC controller.

2.3 非全跑道起飞的管制运行规定

2.3 Partial runway take-off regulations

2.3.1 在航空器提出非全跑道起飞申请后，管制员可根据实际情况批准并提供管制服务。

2.3.1 It is available to use non-full length RWY to take-off when flight crew get permission from ATC.

2.3.2 塔台根据跑道实际运行情况，将安排航空器使用非全跑道起飞，如航空器驾驶员不能接受非全跑道起飞，请立即告知管制员。

2.3.2 ATC shall arrange non full-length taking-off procedures for aircraft in accordance with the RWY actual operation situation. If aircraft can not accept non full-length taking-off procedures, inform ATC immediately.

2.4 航空器进出跑道要求

2.4 Requirements for A/C to enter or exit RWY

2.4.1 落地航空器应选择就近快速脱离道脱离跑道，并在脱离后立即告知管制员；

2.4.1 Landing aircraft shall vacate runway rapidly using the appropriate rapid exit TWY and report to the ATC immediately after vacating RWY;

2.4.2 航空器脱离跑道后，按照管制员指令尽快转换频率，并根据管制员滑行指令滑行至下一个滑行道交叉道口前等待，未经管制员许可，不得在快速脱离道停止；

2.4.2 After vacating RWY, follow the instructions of ATC, change frequency as soon as possible and hold before the next intersection of taxiways, A/C cannot stop on the rapid exit TWY without ATC permission;

2.4.3 落地航空器从接地到脱离跑道的的时间应控制在 50s 以内，如不能满足，航空器驾驶员应在最后进近定位点前通报管制员（湿跑道和污染跑道除外）；

2.4.3 Time needed from landing to vacating RWY completely shall be less than 50 seconds, if not available, inform ATC before FAF(except for wet RWY or contaminated RWY);

2.4.4 起飞航空器从等待位置到对正跑道的的时间应控制在 60s 以内，如不能满足，航空器驾驶员应在进跑道前通报管制员（湿跑道和污染跑道除外）。

2.4.4 Time needed for the take-off aircraft from waiting at the holding position to finishing RWY alignment shall be less than 60 seconds, if not available, inform ATC before entering RWY (except for wet RWY or contaminated RWY).

### 2.5 滑行道滑行限制 / Taxiing limits:

滑行道	航空器翼展限制	备注 /Remarks
TWY A(west of TWY F)	≤ 65m	when A/C with wingspan ≤ 65m taxiing on TWY B
	<50m	when A/C with wingspan>65m taxiing on TWY B
TWY A(east of TWY F)	<36m	

TWY B(west of DC3)	≤ 65m	when A/C with wingspan ≤ 65m taxiing on TWY A
	<50m	when A/C with wingspan>65m taxiing on TWY A
TWY B(north of DC1-DC3)	≤ 38.06m	
TWY B(north of stands Nr.162-170)	≤ 36m	
TWY B2	≤ 65m	
	≤ 48m	when A/C with fuselage 71-78m parking or de-icing on DC5
TWY B3	≤ 36m	
TWY B4	<36m	
TWY H	<52m	
	<36m	when A/C taxiing on TWY J
TWY J	<65m	
TWY K1(BTN TWY K and 47.5m east of TWY J center line)	<65m	
	<36m	when A/C taxiing on TWY K2(BTN TWY K and 47.5m east of TWY J center line)
TWY K1(others)	≤ 47.6m	
TWY K2(BTN TWY K and 47.5m east of TWY J center line)	<65m	
	<36m	when A/C taxiing on TWY K1(BTN TWY K and 47.5m east of TWY J center line)
TWY K2(others)	≤ 35.8m	
TWY K3	<65m	
TWY K4	<65m	
	<36m	when A/C parking on stands Nr.48-58
TWY K5	<65m	
	<36m	when A/C parking on stands Nr.48-58
TWY K6	<65m	
	<36m	when A/C parking on stands Nr.48-58
TWY T(south of stands DC6-DC10)	≤ 65m	
	≤ 36m	when A/C parking or de-icing on DC6-DC10
TWY T(north of stands Nr.12-13)	≤ 52m	when A/C with fuselage 68.5m(exclusive)-75.5m(inclusive) parking on stands Nr.12 or Nr.13
TWY T(south of stands Nr.141-153)	≤ 36m	
TWY T3(south of stands Nr.105-108)	≤ 38.06m	

## 2.6 航空器地面滑行路线 /Aircraft taxiing route

Route ID	Operation Type	Taxiing Direction	Start Point	End Point
ROUTE00	one-way	T → K → B → L	T	L
ROUTE01	one-way	T → A10 → B → L	T	L

ROUTE08	one-way	T3/T2/T → A8 → B → L	T3 or T2 or T	L
ROUTE09	one-way	T → A9 → B → L	T	L
ROUTE30	one-way	T/B → F → A → L	T or B	L
ROUTE11	one-way	T → A10 → B → F	T	F
ROUTE18	one-way	T3/T2/T → A8 → B → F	T3 or T2 or T	F
ROUTE19	one-way	T → A9 → B → F	T	F
ROUTE31	one-way	(L → )B → A7 → A → F	L or B	F

## 3. 机坪和机位的使用

## 3. Use of aprons and parking stands

## 3.1 停机位使用限制 / Using limits for A/C parking on the stands:

停机位 /Stands	航空器翼展限制 / Wing span limits	机身长度限制 / Fuselage limits	滑出方式 / Exit by
Nr.3,9,12-13,16,19-20,24,39,41,171-173,DC4,DC5,DC10	65m		
Nr.114,115	65m		push-back
Nr.108	61.5m	63.7m	push-back
Nr.109	61.5m		push-back
Nr.2,7,8,10,11,14,15,17,18,23,25,28-30,43,47, 174-179	52m		
Nr.1,4-6,31	38.06m		
Nr.105	38.06m	63.7m	taxi in/out
Nr.106,107	38.05m	63.7m	taxi in/out
Nr.32-34,38,40,42,44-46,71-79,141-147,162-170,180,181,DC1-DC3, DC6-DC9	36m		
Nr.148-152	36m	40m	taxi in/out
Nr.48-53,100-104	36m		taxi in/out
Nr.54-58	36m		taxi in and push-back
Nr.110-113	34.3m		push-back
Nr.153	28.72m	40m	taxi in/out

3.2 1,4,5,25,28,32,38,48-58,100-104,106-108,110-113,141,143-153,162-170,171-173,DC6-DC9 号机位设有地锚。

3.2 Anchor block is installed for stands Nr. 1,4,5,25,28,32,38,48-58,100-104,106-108,110-113,141,143-153,162-170,171-173,DC6-DC9.

3.3 115号机位为试车机位。

3.3 Stands Nr. 115 is available for engine run-ups.

### 3.4 除冰机位的使用

3.4.1 除冰机位 DC10 的滑入路线: 引导车引导经 B 滑行道, 穿越 DC8、DC9 除冰机位到达 DC10。

3.4.2 航空器进入 DC10 除冰机位前, DC8 和 DC9 不得被占用。

3.4.3 当 DC10 被翼展超过 38.06m 的航空器占用时, 不得使用 DC9。

3.5 为降低碳排放及噪音, 所有停放本场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:

3.5.1 机场不能提供有效的桥载设备服务;

3.5.2 航空器因启动发动机而需开启 APU;

3.5.3 航空器进行 APU 的维修检测;

3.5.4 遇到影响航空器安全、正常运行的特殊情况。例如: 极端天气、专机保障、航空器过站时间不足等有关情况。

### 3.4 Use of de-icing stands

3.4.1 Route of entering DC10: via TWY B then crossing stands DC8 and DC9 followed by follow-me vehicle.

3.4.2 DC8 and DC9 shall not be used before the aircraft enter DC10.

3.4.3 DC9 is forbidden to use when DC10 is occupied by aircraft with wing span exceeding 38.06m.

3.5 Aircraft parking at boarding bridge shall close APU, and use 400Hz power of boarding bridge or special APU for aircraft. The exceptions as follows:

3.5.1 Boarding bridge equipment is unavailable at airport;

3.5.2 Aircraft shall open APU due to start-up;

3.5.3 Maintenance testing of APU;

3.5.4 Special conditions affecting aircraft safety and normal operation are encountered. Such as extreme weather, special flight support, time shortage of flight transmit.

## 4. 进、离场管制规定

离场航空器应在推出/开车前联系地面管制, 取得推出/开车许可后, 机组应在 5min 内执行, 超过 5min, 管制指令自动取消, 机组应重新申请推出/开车许可。

## 4. Air traffic control regulations

Before push-back and start-up, flight crew shall contact GND Control and conduct within 5 minutes, otherwise, apply the clearance once more.

## 5. 机场的 II/III 类运行

5.1 当 RWY25 跑道视程低于 550m 时, 本场启动低能见度程序, 同时在 D-ATIS、ATIS 中发布。

5.2 在低能见度运行期间, 各类航空器起飞的跑道视程满足如下要求: A 类: 接地区不低于 200m; B、C 类: 接地区和中间点不低于 200m; D 类: 接地区、中间点和停止端不低于 250m。基于平视显示仪 (HUD) 实施特殊批准的 II 类运行起飞标准: RVR  $\geq$  150m。

5.3 在低能见度运行期间, 引导车负责引导航空器在未配备 II 类运行灯光、标识的区域滑行, 引导车行驶速度不得超过 20km/h; 在配备 II 类运行灯光、标识的区域, 引导车不负责引导航空器的滑行。

5.4 对于进港航空器, 引导车在塔台管制员指定的位置等待, 将航空器沿指定路线引导至停机位。

## 5. CAT II/III operations at AD

5.1 Low visibility procedure operated when RVR is less than 550m on RWY 25, at the same time pronounced in D-ATIS and ATIS.

5.2 RVR of departing during low visibility operated should be in accordance with follows: aircraft CAT A: touchdown zone more than 200m; aircraft CAT B/C: touchdown zone and center more than 200m; aircraft CAT D: touchdown zone, center and stop end more than 250m. When aircraft use take-off minima of SA CAT II with HUD, RVR  $\geq$  150m.

5.3 Aircraft shall taxi by follow-me vehicle when carrying out

low visibility operation in the area without CAT II operation lighting and marking. The speed of follow-me vehicle is less than 20km/h.

5.4 As for landing aircraft, the follow-me vehicle shall wait at the designated location issued by ATC and then guide the designated routes to stand.

5.5 对于离港航空器，引导车从航空器起始滑行位置起沿塔台管制员指定的路线引导至指定的位置。

5.6 在低能见度运行期间，航空器在 RWY25 跑道入口 II 类等待位置停止排灯前等待进入跑道的指令；如果停止排灯不工作，则在 F 滑之前等待进入跑道的指令。

5.7 机组可在任何时间进行 II 类进近的训练，当低能见度程序未实施时，机组应事先考虑到仪表着陆系统的信号可能受到干扰并准备必要的安全措施。

5.5 As for departure aircraft, the follow-me vehicle shall guide at the beginning of aircraft taxiing in the routes designated by ATC to the designated position.

5.6 Aircraft shall wait for the instruction of entering into RWY at holding position in front of stop bars of RWY 25 during low visibility procedure operated; if stop bars INOP, aircraft shall wait before reaching TWY F.

5.7 Flight crew could training for CAT II approach at any time. Flight crew shall consider the disturbance by instrument landing system when low visibility procedure is not applicable, at the same time prepare the security arrangement.

## 6. 除冰规则

无

## 6. Rules for deicing

Nil

## 7. 平行跑道同时仪表运行

无

## 7. Simultaneous operations on parallel runways

Nil

## 8. 警告

8.1 本场跑道中心延长线上距 25 号跑道入口以东 D6.8WUR 附近有 6 个排放量较大的烟囱，静风和低温情况下途经该区域的航空器可能遭遇中度以上颠簸，机组应提前做好应对准备。

8.2 颠簸期间，07 号跑道复飞或执行一发失效应急程序时，应严格按照飞行程序要求，在不晚于 D3.5WUR 前转弯或以 1100m 或以上的高度飞越烟源区域；25 号跑道进近航空器飞越烟源区域的程序高度应控制在 1100m 或以上，不具备 CDFA 能力的航空器不宜使用 25 号跑道非精密进近程序。

8.3 因乌鲁木齐机场施工，跑道附近可能会形成局地浮尘天气，导致通报的跑道视程和目视的跑道视程产生较大差异。

## 8. Warning

8.1 6 chimneys existed near RWY25 center extend line, D6.8WUR east of the RWY threshold, moderate or even severe turbulence may occur in this region in time of no wind or low temperature, flightcrew shall be prepared.

8.2 During the turbulence, aircraft shall strictly follow the RWY07 missed approach procedures or emergency procedures for one engine out: not turn until D3.5WUR or overfly the smog area at altitude 1100m or above; approaching to RWY25 shall keep altitude 1100m or above; aircraft without CDFA capability shall not use RWY25 non-precision approach procedures.

8.3 Due to surface dust, RVR may be different from remote display providing RVR values.

## 9. 直升机飞行限制，直升机停靠区

无

## 9. Helicopter operation restrictions and helicopter parking/docking area

Nil



**ZWWW AD 2.21 噪音限制规定及减噪程序****ZWWW AD 2.21 Noise restrictions and Noise abatement procedures**

无

Nil

**ZWWW AD 2.22 飞行政程序****ZWWW AD 2.22 Flight procedures****1. 总则**

PBN 飞行政程序需经管制员同意后使用。

**1. General**

PBN procedures are available with ATC clearance.

**2. 起落航线**

无

**2. Traffic circuits**

Nil.

**3. 仪表飞行政序**

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**

4.1 乌鲁木齐进近管制区域内实施雷达管制。航空器最小水平间隔为 6km。

4.2 最低监视引导高度扇区

**4. Radar procedures and/or ADS-B procedures**

4.1 Radar control within Urumqi APP has been implemented. The minimum horizontal radar separation 6km.

4.2 Surveillance Minimum Altitude Sector

Sector 1	ALT limit: 1200m or above
N444454E0880005-N440828E0880255-N440726E0874948-N440407E0874814-N440026E0875108-N435724E0874344-N435349E0874209-N435243E0873033-N435111E0872754-N435414E0872231-N435203E0870835-N435501E0865721-N435841E0865718-N440626E0865209-N441115E0861540-N441515E0861654-N443317E0862538-IKARA	
Sector 2	ALT limit: 1750m or above
N444454E0880005-IKARA-N443317E0862538-N441515E0861654-N441115E0861540-N442524E0853306-N445032E0854423-N451009E0865104-N451312E0884858-N441213E0893842-N440535E0885059-REDUB	
Sector 3	ALT limit: 1500m or above
N444454E0880005-REDUB-N440535E0885059-N440838E0881617-N440724E0880301	
Sector 4	ALT limit: 1500m or above

N440724E0880301-N440300E0880124-N435520E0874738-N435040E0874328-N435005E0873433-N435111E0872754-N435243E0873033-N435349E0874209-N435724E0874344-N440026E0875108-N440407E0874814-N440726E0874948-N440828E0880255	
Sector 5	ALT limit: 2400m or above
N440535E0885059-N435918E0884920-N440409E0881817-N440136E0881307-N435849E0881157-N435612E0880751-N435613E0880427-N435349E0875704-N435130E0875447-N435101E0874808-N435558E0875312-N435818E0880034-N440300E0880124-N440724E0880301-N440838E0881617	
Sector 6	ALT limit: 3200m or above
N435918E0884920-N435522E0884134-N435712E0882915-N435837E0882515-N435849E0881157-N440136E0881307-N440409E0881817	
Sector 7	ALT limit: 2800m or above
N440535E0885059-N441213E0893842-N434326E0892953-N435918E0884920	
Sector 8	ALT limit: 4200m or above
N435918E0884920-N434326E0892953-N435522E0884134	
Sector 9	ALT limit: 4600m or above
N435712E0882915-N435509E0882321-N434814E0880409-N434158E0875952-N434645E0875750-N435116E0875854-N435232E0880402-N435612E0880751-N435849E0881157-N435837E0882515	
Sector 10	ALT limit: 5000m or above
N435522E0884134-N435105E0883310-N435509E0882321-N435712E0882915	
Sector 11	ALT limit: 6100m or above
N435509E0882321-N435105E0883310-N433806E0880756-N434158E0875952-N434814E0880409	
Sector 12	ALT limit: 6100m or above
N434041E0882415-N433806E0880756-N435105E0883310	
Sector 13	ALT limit: 5000m or above
N434326E0892953-N433901E0892827-N432253E0885545-N432712E0885115-N433357E0883205-N433806E0880756-N434041E0882415-N435105E0883310-N435522E0884134	
Sector 14	ALT limit: 3600m or above
N433806E0880756-N433606E0880357-N434332E0874523-N434529E0874531-N434834E0874805-N435101E0874808-N435130E0875447-N435349E0875704-N435613E0880427-N435612E0880751-N435232E0880402-N435116E0875854-N434645E0875750-N434158E0875952	
Sector 15	ALT limit: 4000m or above
N432712E0885115-N432253E0885545-N431752E0884550-N433606E0880357-N433806E0880756-N433357E0883205	
Sector 16	ALT limit: 3150m or above
N431752E0884550-N430344E0881801-N433037E0875105-N433218E0875636-N433606E0880357	
Sector 17	ALT limit: 1700m or above
N440300E0880124-N435818E0880034-N435558E0875312-N435101E0874808-N434834E0874805-N434529E0874531-N434516E0874328-N434227E0873213-N434509E0872753-N435111E0872754-N435005E0873433-N435040E0874328-N435520E0874738	
Sector 18	ALT limit: 2350 or above

N434529E0874531-N434332E0874523-N433037E0875105-N432921E0873943-N433648E0871310-N433824E0870530-N434508E0865515-N434737E0865018-N435348E0861755-N435308E0860958-N441115E0861540-N440626E0865209-N435841E0865718-N435501E0865721-N435018E0865727-N434850E0870538-N434804E0870957-N434512E0871039-N434511E0871833-N434509E0872753-N434227E0873213-N434516E0874328	
Sector 19	ALT limit: 3700m or above
N430344E0881801-N425417E0874630-N430851E0873811-N432313E0872710-N433037E0875105	
Sector 20	ALT limit: 1350m or above
N435111E0872754-N435042E0872027-N435225E0871047-N435414E0872231	
Sector 21	ALT limit: 1600m or above
N435111E0872754-N434509E0872753-N434511E0871833-N434844E0871449-N434940E0871140-N435203E0870835-N435225E0871047-N435042E0872027	
Sector 22	ALT limit: 1950m or above
N434511E0871833-N434512E0871039-N434804E0870957-N434850E0870538-N434940E0871140-N434844E0871449	
Sector 23	ALT limit: 1800m or above
N435203E0870835-N434940E0871140-N434850E0870538-N435018E0865727-N435501E0865721	
Sector 24	ALT limit: 3600m or above
N433037E0875105-N432313E0872710-N432717E0871847-N433018E0870358-N432848E0865946-N431939E0865302-N432934E0864132-N433222E0864644-N434042E0864235-N435308E0860958-N435348E0861755-N434737E0865018-N434320E0864636-N433418E0870026-N433824E0870530-N433648E0871310-N432921E0873943	
Sector 25	ALT limit: 4150m or above
N432313E0872710-N431705E0870725-N431939E0865302-N432848E0865946-N433018E0870358-N432717E0871847	
Sector 26	ALT limit: 5200m or above
N425417E0874630-N422953E0862801-N430707E0863517-N432313E0872710-N430851E0873811	
Sector 27	ALT limit: 2600m or above
N433824E0870530-N433418E0870026-N434320E0864636-N434737E0865018-N434508E0865515	
Sector 28	ALT limit: 5200m or above
N431705E0870725-N430805E0863814-N431357E0863712-N431939E0865302	
Sector 29	ALT limit: 5100m or above
N431939E0865302-N431357E0863712-N430805E0863814-N430707E0863517-N431421E0861921-N432125E0862240-N433621E0861210-N433730E0860507-N434359E0860712-N433806E0862606-N432934E0864132	
Sector 30	ALT limit: 5100m or above
N422953E0862801-N425446E0853934-N431421E0861921-N430707E0863517	
Sector 31	ALT limit: 4100m or above
N433222E0864644-N432934E0864132-N433806E0862606-N434359E0860712-N435308E0860958-N434042E0864235	
Sector 32	ALT limit: 5900m or above
N432705E0861838-N432136E0861038-N433644E0860456-N433730E0860507-N433621E0861210	
Sector 33	ALT limit: 5900m or above
N433419E0851908-N440147E0852601-N434932E0855740-N434359E0860712-N433644E0860456-N432136E0861038-N430310E0853000	

Sector 34	ALT limit: 3800m or above
N440147E0852601-N440914E0852810-N435308E0860958-N434359E0860712-N434932E0855740	
Sector 35	ALT limit: 2200m or above
N440914E0852810-N442524E0853306-N441115E0861540-N435308E0860958	
Sector 36	ALT limit: 5300m or above
N431421E0861921-N432125E0862240-N432705E0861838-N432136E0861038-N430310E0853000-N425853E0853135-N425446E0853934	
Sector 37	ALT limit: 3000m or above
N434332E0874523-N433606E0880357-N433218E0875636-N433037E0875105	

## 5. 无线电通信失效程序

无

## 5. Radio communication failure procedures

Nil.

## 6. 目视飞程序

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
FF807	N440043 E0873134	WW603	N435813 E0874612
WW403	N435040 E0871052	WW604	N435946 E0875328
WW404	N434740 E0871207	WW611	N441053 E0875250
WW405	N434449 E0871318	WW612	N440833 E0874153
WW406	N435551 E0870844	WW613	N440701 E0873441
WW410	N435549 E0873505	WW614	N440456 E0875121
WW411	N440322 E0874400	WW621	N435033 E0873639
WW412	N440150 E0873648	WW623	N435435 E0875534
WW414	N434756 E0872751	WW633	N440019 E0872940
WW415	N434622 E0872032	WW641	N440914 E0880749
WW432	N435838 E0872147		
WW501	N435303 E0872150	VARM	N4420.1 E08741.1
WW511	N440348 E0880132	KEXAB	N4333.5 E08923.6
WW512	N440205 E0880855	AGOX	N4404.5 E08850.7
WW513	N435744 E0882732	DUMAM	N4357.9 E08848.7
WW541	N440529 E0872729		
WW543	N440216 E0873213	WUR	N4354.8 E08730.5
WW601	N435533 E0873342	FKG	N4410.4 E08759.0
WW602	N435709 E0874114		

## RWY07 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
VARM-09D								
CF	WW410	Y	071			MAX390		RNAV1
DF	WW412			L	↑ 1300			RNAV1
TF	VARM							RNAV1
KEXAB-09D								
CF	WW410	Y	071			MAX390		RNAV1
DF	WW602							RNAV1
TF	WW604							RNAV1
TF	WW511							RNAV1
TF	WW512				↑ 3600			RNAV1
TF	WW513				↑ 4800			RNAV1
TF	KEXAB							RNAV1

RWY25 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
VARMI-19D								
CF	WW501	Y	251			MAX390		RNAV1
DF	WW541			R	↑ 1800			RNAV1
TF	VARMI							RNAV1
VARMI-18D(BY ATC)								
CA			251		800	MAX335		RNAV1
DF	WW543			R	↑ 1800			RNAV1
TF	VARMI							RNAV1
KEXAB-19D								
CF	WW501	Y	251			MAX390		RNAV1
DF	WW621			L	↑ 2400			RNAV1
TF	WW623				↑ 3300			RNAV1
TF	WW512				↑ 3600			RNAV1
TF	WW513				↑ 4800			RNAV1
TF	KEXAB							RNAV1

RWY07 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
FKG-08A								
IF	FKG				↑ 2400			RNAV1
TF	WW411				↑ 2400			RNAV1
TF	WW412				↑ 2400			RNAV1
TF	WW601				↑ 2400			RNAV1
TF	WW414				↑ 2400	MAX390		RNAV1
TF	WW415				↑ 2400			RNAV1
TF	WW405				↑ 2100	MAX390		RNAV1
FKG-09A								
IF	FKG				↑ 2400			RNAV1
TF	WW411				↑ 2400			RNAV1
TF	WW412				↑ 2400			RNAV1
TF	FF807							RNAV1
TF	WW432				↑ 2400			RNAV1
TF	WW406				↑ 1800	MAX390		RNAV1

RWY25 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
AGOXA-17A								
IF	AGOXA							RNAV1
TF	WW641				↑ 2400			RNAV1
TF	FKG				↑ 2400			RNAV1
TF	WW611				↑ 2100			RNAV1
TF	WW612				↑ 2100			RNAV1
TF	WW613				↑ 1800			RNAV1
TF	WW541				↑ 1800			RNAV1
TF	WW633				↑ 1800	MAX390		RNAV1
TF	WW412				↑ 1800			RNAV1
TF	WW411				↑ 1800			RNAV1
TF	WW614				↑ 1800			RNAV1
TF	WW604				↑ 1800	MAX390		RNAV1
AGOXA-18A								
IF	AGOXA							RNAV1
TF	WW641				↑ 2400			RNAV1
TF	FKG				↑ 2400			RNAV1
TF	WW604				↑ 1800	MAX390		RNAV1
AGOXA-19A								
IF	AGOXA							RNAV1
TF	WW641				↑ 2400			RNAV1
TF	WW604				↑ 1800	MAX390		RNAV1
DUMAM-18A								
IF	DUMAM							RNAV1
TF	FKG				↑ 2400			RNAV1
TF	WW611				↑ 2100			RNAV1
TF	WW612				↑ 2100			RNAV1
TF	WW613				↑ 1800			RNAV1
TF	WW541				↑ 1800			RNAV1
TF	WW633				↑ 1800	MAX390		RNAV1
TF	WW412				↑ 1800			RNAV1
TF	WW411				↑ 1800			RNAV1
TF	WW614				↑ 1800			RNAV1
TF	WW604				↑ 1800	MAX390		RNAV1
DUMAM-19A								

IF	DUMAM							RNAV1
TF	FKG				↑ 2400			RNAV1
TF	WW604				↑ 1800	MAX390		RNAV1

RWY07 Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
FKG-08A								
IF	WW405				↑ 2100	MAX390		RNAV1
TF	WW404				↑ 1950			RNAV1
TF	WW403				↑ 1800			RNAV1
FKG-09A								
IF	WW406				↑ 1800	MAX390		RNAV1
TF	WW403				↑ 1800			RNAV1

RWY25 Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (° )	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
AGOX-17A.18A.19A,DUMAM-18A.19A								
TF	WW604				↑ 1800	MAX390		RNAV1
TF	WW603				1500			RNAV1

RWY07 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 minute)								
HM	FKG	Y	233	R	2400	MAX465		RNAV1
HM	FF807	Y	251	R	1500	MAX425		RNAV1

RWY25 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 minute)								
HM	FKG	Y	197	R	2400	MAX465		RNAV1



## ZWWW AD 2.23 其它资料

## ZWWW AD 2.23 Other information

机场全年有鸟类活动，季节性强。并以机场北部地区鸟类活动最为频繁。在机场临近地区每年 3 月至 10 月采取驱赶措施。

Activities of bird flocks are seasonal and found all the year round. The lively area is north of airport. Aerodrome Authority resorts to dispersal methods to reduce bird activities during March to October every year.

Migratory Season		Area and Direction of activity	Flight height(m)	Characteristic
Spring	day	Around the airport	0-500m	Huge size/Group
		south to north	200-300m	Huge and medium size/Group
		Around the airport	0-200m	Medium and small size/Group
	night	Around the airport	0-100m	Medium and small size/Few
Summer	day	Around the airport	0-500m	Huge size/Group
		Around the airport	0-100m	Medium and small size/Group
		south to north	0-200m	Medium size/Group
	night	Around the airport	0-100m	Medium and small size/Few
Autumn	day	Around the airport	0-100m	Medium and small size/Group
		south to north	50-300m	Huge and medium size/Group
	night	Around the airport	0-50m	Medium size/Few
Winter	day	Around the airport	0-500m	Huge and medium size/Few
		Around the airport	0-100m	Small size/Few
		north to south	0-200m	Medium size/Group
	night	Around the airport	0-100m	Medium size/Few