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

ZYTX-沈阳/桃仙 SHENYANG/Taoxian

ZYTX 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	N41°38.5' E123°29.1' Center of RWY
2	方向、距离 Direction and distance from city	154.3° GEO, 18.5km from Shenyang Railway Station
3	标高/参考气温 Elevation / Reference temperature	60.5m/29.1°C(JUL)
4	机场标高位置/大地水准面波幅 AD ELEV PSN / geoid undulation	-/-
5	磁差/年变率 MAG VAR/ Annual change	8°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	Shenyang Taoxian International Airport CO.LTD. Shenyang Taoxian Airport, Shenyang 110169, Liaoning province, China Post code:110169 TEL:86-24-89398050 FAX:86-24-31929005 AFS:ZYTXYDYX
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

ZYTX 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	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

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

1	货物装卸设施 Cargo-handling facilities	Conveyor truck; tow-truck; dolly
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(20000L, 45000L, 65000L), hydrant dispenser, apron refueling well
4	除冰设施 De-icing facilities	Deicing apron: Stands Nr.Y01, M06, M07L, M07R, M08 24 de-icers， Deicing fluid (Cleanwing I, Cleanwing II, MP-IV)
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 B737-300/400/500, B737NG, B737-8, B757-200, A320

| 7 | 备注
Remarks | Ground power unit, ground air supply unit, bridge load power, air conditioners |

ZYTX AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	Near 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 center at AD, first aid station at TML, hospital near AD
5	银行和邮局 Bank and Post Office	At AD
6	旅行社 Tourist Office	At AD
7	备注 Remarks	Nil

ZYTX 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: rapid intervention vehicle, primary foam tender, heavy foam tender, dry-chemical tender, illumination truck, command car，logistics truck, water tank truck, disassembly rescue truck, chemical supply tender
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to AN-124. Equipment: uplift air cushion, mobile surface operation devices.
4	备注 Remarks	Nil

ZYTX 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 sweepers, snow spreader, deicing fluid sprayers, small-sized snow sweepers, RWY testing car, fork lift, sweeper(front cleaning equipment)

2	扫雪顺序 Clearance priorities	RWY, TWY, Apron
3	备注 Remarks	Nil

ZYTX 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 85/R/B/W/T(Stands Nr.Y01, M06, M07L, M07R, M08) PCN 80/R/B/W/T(Stands Nr.111-140, Y02, Y04L, Y04R, Y04, Y28-Y34) PCN 71/R/B/W/T(Stands Nr.101-110、Y16-Y27) PCN 62/R/B/W/T(Stands Nr. A01-A04, Y06-Y15) PCN 58/R/B/W/T(Stands Nr.G1-G4)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	34m: G, H, R, B8; 28.5 m: C, J; 27m: D, K; 25m: A2, A8; 23m:A, E, F, M, N, P, P1-P3; 18m: Z(straight)
		Surface:	CONC(TWYs A, B8, E, H, J, K, M, N, P, P1-P3, Z) ASPH(TWYs A, A2, A8, C, D, E(corner),F, G, M(corner), N(corner), P(corner), R)
		Strength:	PCN 95/F/B/W/T (TWY A(E-RWY24 THR)) PCN 85/F/B/W/T (TWY A(taxi stripA(06)-RWY06)) PCN 85/R/B/W/T(B8) PCN 82/F/B/W/T (TWYs C, D, F, R) PCN 80/R/B/W/T (TWYs M, N, P, P1-P3) PCN 80/F/B/W/T (TWYs A2, A8) PCN 78/F/B/W/T (TWY A(E-H)) PCN 75/R/B/W/T (TWY E) PCN 75/F/B/W/T (TWY G) PCN 72/R/B/W/T (TWY H) PCN 71/R/B/W/T (TWY A(H-taxi stripA(06))) PCN 71/F/B/W/T (TWYs M(corner), N(corner), P(corner)) PCN 64/R/B/W/T (TWYs J, K)

		PCN 58/R/B/W/T (TWY Z)
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

ZYTX 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 with TWY and RWY and at all holding positions. Guide lines at all TWYs and apron. Aircraft identification sign board at all stands. Nose-in guidance at all stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	RWY designations, THR, TDZ, edge line, aiming point，RWY centre-line
		RWY lights	Centerline, edge line, THR, RWY end, wing bar
		TWY markings	Center line, edge line, RWY holding positions,intermediate holding positions,taxi holding line
		TWY lights	Center line, RWY guard lights; parts of center line: TWYs M, N, P, P1-P3, R, Z, edge line, No-entry bars(C, K); Rapid exit taxiway indicator(C, D, J, K)
3	停止排灯 Stop bars	A2, A8	
4	备注 Remarks	Blue apron edge line lights	

ZYTX 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 06/24						
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	Board	045	4018	98.6	RWY24 LNAV/VNAV	

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
					Final approach	
2	Antenna	056	1960	64.5	RWY06 Take-off path	
3	Pole	056	2252	67.5	RWY06 Take-off path	
4	Antenna	056	2580	78.3	RWY06 Take-off path RWY24 ILS/DME, ILS approach	
5	Antenna	057	2580	78.2	RWY06 Take-off path	
6	BLDG	058	1825	62.4	RWY06 Take-off path	
7	TWR	058	9300	139.4	RWY24 LNAV Final approach	
8	Trees	060	4408	88.3		
9	TWR	063	5405	89.4	RWY24 ILS/DME, ILS GP INOP Final approach	
10	TWR	068	7025	128.4	RWY24VOR/DME, NDB Final approach	
11	MT	068	7510	88.3		
12	Chimney	095	4763	121.3		
13	MT	105	4400	128.3		
14	Lightning Rod	107	4269	161.5	Circling CAT A	
15	MT	114	4050	140.3		
16	MT	119	9920	188.3		
17	Lightning Rod	144	775	130.3	RWY06 NDB Initial approach	
18	MT	157	6800	185.3		
19	TWR	158	6993	197.2	Circling CAT C	
20	TWR	212	2256	96.4	RWY06 VOR/DME, NDB, LNAV/VNAV	

Obstacles within a circle with a radius of 15km centered on the center of RWY 06/24

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
					Final approach	
21	TWR	223	5400	90.3		
22	Chimney	226	7171	97.0		
23	TWR	230	11988	102.3	RWY06 ILS/DME Initial approach; RWY06 VOR/DME, RNP Intermediate approach	
24	Lightning Rod	231	1295	67.9	RWY06 ILS/DME approach	
25	TWR	232	9955	104.2	RWY06 ILS/DME GP INOP, VOR/DME, LNAV Final approach; RWY06 ILS GP INOP, NDB Initial approach	
26	BLDG	235	1813	53.9	RWY24 Take-off path	
27	Antenna	236	2584	67.1	RWY24 Take-off path	
28	Antenna	237	2585	67.3	RWY24 Take-off path	
29	Chimney	241	6465	86.1	RWY06 ILS/DME, ILS GP INOP Final approach	
30	BLDG	340	4377	144.6		
31	Pole	343	4966	165.3	Circling CAT B	
32	BLDG	345	4354	161.6		
33	*BLDG	347	3991	109.9		
34	Pole	347	4186	109.2		
35	*BLDG	348	3974	110.0		
36	Lightning Rod	348	4110	110.2		
37	*Light Pole	348	4187	108.9		
38	*BLDG	348	4215	109.0		

Obstacles within a circle with a radius of 15km centered on the center of RWY 06/24

Obstacles within a circle with a radius of 15km centered on the center of RWY 06/24						
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
39	Chimney	349	2612	109.3		
40	*Light Pole	349	4091	109.7		
41	*Light Pole	349	4153	109.0		
42	Lightning Rod	349	4714	108.7		
43	Lightning Rod	349	4722	108.2		
44	BLDG	350	3889	117.1		
45	*BLDG	350	4159	109.1		
46	Chimney	351	3910	107.2		
47	Chimney	351	4058	112.7		
48	BLDG	351	4740	104.7		
49	Chimney	352	4038	112.6		
50	*BLDG	352	4115	111.6		
51	*BLDG	353	4087	111.6		
52	Pole	353	9011	197.6	Circling CAT D;B	
Others:						

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 06/24						
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	011	39000	463		
2	MT	011	47500	745		
3	BLDG	027	15188	147	RWY24 RNAV Arrival	
4	MT	048	55000	571		

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
5	Lightning Rod	051	15100	189	RWY24 ILS/DME, ILS, VOR/DME, NDB, RNP Intermediate approach	
6	MT	054	40100	255	RWY24 RNAV Arrival	
7	MT	058	52500	693		
8	Plateau	059	15400	129		
9	MT	065	27055	152		
10	MT	072	23018	200		
11	Trees	076	21421	216	RWY24 ILS/DME, VOR/DME，NDB Initial approach	
12	TWR	079	20882	260		
13	Lightning Rod	080	20820	260	RWY24 ILS/DME, VOR/DME，NDB Initial approach; RWY24 RNAV Initial approach	
14	MT	080	20900	250		
15	MT	080	20900	264	RWY24 RNAV Arrival	
16	MT	081	33500	201		
17	Lightning Rod	087	20694	270	RWY24 RNAV Arrival	
18	MT	087	20800	263		
19	MT	087	24909	230		
20	MT	089	39700	463	RWY24 RNAV Arrival	
21	MT	089	40000	448		
22	Trees	090	23060	297	RWY24 ILS/DME, VOR/DME，NDB Initial approach	

Obstacles between two circles with the radius of 15km and 50km centered on the center of RWY 06/24						
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
23	MT	103	23400	372	MSA; Holding	
24	MT	103	38200	507	RWY06 RNAV Arrival	
25	MT	103	55500	1131		
26	MT	109	40500	509		
27	MT	110	44000	578		
28	MT	113	39000	579	RWY24 RNAV Arrival	
29	MT	117	33100	542	RWY06 RNAV Arrival	
30	MT	118	48400	648	RWY06 RNAV Arrival	
31	MT	132	51000	953		
32	MT	142	43600	601	RWY06 RNAV Arrival	
33	MT	146	64500	1009		
34	MT	151	23000	389	RNAV Holding	
35	MT	155	53113	968	MSA	
36	MT	160	20600	387	Holding	
37	MT	162	18200	345	RNAV Holding	
38	MT	166	35000	654		
39	MT	207	42500	311		
40	Trees	216	20378	114	RWY06 RNAV Initial approach; Holding	
41	TWR	351	16266	353	MSA	
Others:						

ZYTX 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	Shenyang 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	Shenyang MET station of ATMB 9 HR, 24 HR; 3 HR, 6 HR
4	趋势预报发布间隔 Issuance interval of trend forecast	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, satellite and radar material, data forecast, METAR
8	提供信息的辅助设备 Supplementary equipment available for providing information	TEL, FAX, MET Service Terminal
9	提供气象情报的空中交通服务单位 ATS units provided with information	ATC
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)	RVR EQPT A: 92m NW of RCL, 340m inward THR06 B: 92m NW of RCL, 1530m inward THR06 C: 92m NW of RCL, 280m inward THR24 SFC wind sensors 103m NW of RCL, 1510m inward THR06 Ceilometer

		06: 100m NW of RCL, 310m inward THR
		24: 100m NW of RCL, 310m inward THR
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	Nil

ZYTX 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
06	048°GEO 056°MAG	3200×45	82/F/B/W/T ASPH/-		THR51.7m
24	228°GEO 236°MAG	3200×45	82/F/B/W/T ASPH/-		THR60.2m
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)	无障碍物区 OFZ	跑道端安全区长宽 RWY end safety area dimensions(m)
7	8	9	10	11	12
See AOC	Nil	200×150	3320×300	Nil	165×120
See AOC	Nil	200×150	3320×300	Nil	167×120

Remark:

ZYTX 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

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
06	3200	3400	3200	3200	Nil
06	2800	3000	2800	3200	FM A2
24	3200	3400	3200	3200	Nil
24	2800	3000	2800	3200	FM A8
Remarks:					

ZYTX 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
06	PALS CAT I* 900m LIH	GREEN Yes	PAPI LEFT 3°	Nil	3200m** spacing 15m	3200m*** spacing 60m	RED	Nil
24	PALS CAT I* 900m LIH	GREEN Yes	PAPI LEFT 3°	Nil	3200m** spacing 15m	3200m*** spacing 60m	RED	Nil

Remarks: *SFL

**Up to 2300m White VRB LIH, 2300-2900 White/Red VRB LIH, 2900-3200 RED VRB LIH.

***Up to 2600m White VRB LIH, 2600-3200 Yellow/White VRB LIH.

ZYTX 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	Nil

	of operation	
2	着陆方向标/风向标位置和灯光 LDI/WDI location and LGT	WDI: 06:115m SE of RCL, 350m inward THR06,with light. 24:115m SE of RCL, 350m inward THR24,with light.
3	滑行道边灯和中线灯 TWY edge and center line lighting	Blue TWY edge line lights and Green TWY center line lights
4	备份电源/转换时间 Secondary power supply/switch-over time	Secondary power supply available, diesel engine / 15 sec
5	备注 Remarks	Nil

ZYTX 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

ZYTX 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

名称 Designation	水平范围 Lateral limits	垂直范围 Vertical limits	备注 Remarks
Shenyang tower control area	A circuit, 2 arcs with radius 13km centred at both RWY THR center and 2 parallel lines of 13 km from RWY centerline.	900m or below	
Fuel Dumping Area	N41 30.0E123 45.0 - N41 45.0E123 45.0 - N42 10.0E124 00.0 - N42 07.0E124 30.0 - N42 00.0E124 42.0 - N41 46.0E124 40.0 - N41 30.0E123 45.0		
Altimeter setting region and TL/TA	N423758E1240028 - N415850E1243554- N412751E1243158 - N405451E1240505- N404957E1234501 - N405148E1230754- N413835E1220654 - N423758E1240028	TL 3600m TA 3000m 3300m(QNH≥1031hPa) 2700m(QNH≤979hPa)	

ZYTX 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		127.45	HO	D-ATIS available
APP	Shenyang Approach	APP01:125.55(126.55)	H24	
APP	Shenyang Approach	APP02:119.825(126.55)	by ATC	Contact ZYTXAP01 when ZYTXAP02 U/S.
APP	Shenyang Approach	APP03:121.225(126.55)	0400-1000	Contact ZYTXAP01 when ZYTXAP03 U/S.
TWR	Taoxian Tower	118.1(124.3)	HO	
GND	Taoxian Ground	121.9	2330-1400(Next Day)	Contact with TWR when GND U/S.
APN	Taoxian Apron	121.95(121.8)	H24	

服务名称 Service Designation	呼号 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
Delivery	Taoxian Delivery	121.675	2330-1400(Next Day)	DCL available. Contact with GND or TWR when Delivery U/S.

ZYTX 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
Shenyang VOR/DME	SEY	114.1MHz CH88X	N41°38.5′ E123°28.7′ 285°MAG/288m FM RWY center	59m	
Wangbingou NDB	KY	365kHz	N41°42.3′ E123°44.8′ 078°MAG/23200m FM RWY center		
Dongyangjiao NDB	PU	296kHz	N41°30.4′ E123°17.5′ 235°MAG/21630m FM RWY center		
LMM 06	P	427kHz	236° MAG / 984m FM THR RWY 06		
OM 06		75MHz	236° MAG/ 7350m FM THR RWY 06		
LOC 06 ILS CAT I	IPU	110.5MHz	056° MAG/ 225m FM end RWY 06		
GP 06		329.6MHz	130m E of RCL, 310m FM THR RWY 06		
DME 06	IPU	CH42X (110.5MHz)	130m E of RCL, 310m FM THR RWY	60m	Co-located with GP 06

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
			06		
LMM 24	K	321kHz	056° MAG / 984m FM THR RWY 24		
OM 24		75MHz	056° MAG/ 8000m FM THR RWY 24		
LOC 24 ILS CAT I	IKY	110.3MHz	236° MAG / 225m FM end RWY 24		
GP 24		335.0MHz	125m E of RCL, 303m FM THR RWY 24		
DME 24	IKY	CH40X (110.3MHz)	120m E of RCL, 305m FM THR RWY 24	66m	Co-located with GP 24

ZYTX AD 2.20 本场飞行规定

ZYTX AD 2.20 Local traffic regulations

1. 机场使用规定

1. Airport operations regulations

1.1 禁止未安装二次雷达应答机的航空器起降；

1.1 Takeoff/landing of aircraft without SSR transponder are forbidden;

1.2 所有技术试飞需事先申请，并在得到空中交通管制部门和机场当局批准后方可进行。

1.2 Each and every technical test flight shall be filed in advance and conducted only after clearance has been obtained from ATC and the Aerodrome Authority.

1.3 当桃仙机坪发布推出开车的指令后，要求机组在 5min 之内执行指令，若超过 5min，管制指令自动取消，机组需重新申请；

1.3 Flight crew shall execute the instruction within 5 min after getting the clearance from Taoxian APN, Otherwise flight crew shall apply for the instruction again;

2. 跑道和滑行道的使用

2.1 可以通过塔台申请引导车和拖车服务；

2.2 禁止航空器在沥青道面上作 180°调头；

2.3 为减少波道占用时间，航空器起飞离地后，自动与塔台管制席脱波（不需要通话脱波），联系进近时，需通报离场程序。航空器在起飞离地之前或者管制员的要求下，应保持在塔台管制波道。离场航空器在推出开车前必须注意收听机场情报通播，按通播指定频率联系塔台管制相关席位申请放行许可，塔台管制在放行许可中明确脱波后应该联系的频率，空中交通管制放行许可的申请不早于准备开车前 10min 进行。

2.4 离港航空器如需要长时间占用跑道（超过 1 分钟），必须在穿越跑道等待位置之前向塔台管制通报占用跑道时间；进港航空器在着陆后应尽快（飞越跑道入口端至完全脱离跑道应在 50s 内）脱离跑道，如需使用更长时间占用跑道或全跑道脱离应尽可能在着陆前通知管制员；

2. Use of runways and taxiways

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

2.2 180°turnaround on asphalt surface is forbidden for all aircraft;

2.3 In order to avoid frequency congestion, aircraft shall leave TWR frequency without radiotelephony instruction from controller.Notify departure designator when contacting APP. Aircraft shall keep the TWR frequency before departure or requested by ATC clearance;Departure aircraft shall pay attention to ATIS before start-up and apply for ATC clearance according to the frequency ATIS indicated. ATC shall clarify the contact frequency after leaving TWR frequency.The delivery application shall be applied within 10 min before start-up.

2.4 Departure aircraft shall inform ATC before crossing the holding positions if occupy the RWY more than 1 min; Arrival aircraft shall vacate the runway as soon as possible (within 50 seconds from flying over RWY THR to vacating the RWY), otherwise inform TWR controller before landing;

2.5 着陆航空器使用 06 号跑道落地时应尽快由 D 快速脱离道脱离；如需选择其他道口脱离跑道，应在首次联系塔台时报告管制员。着陆航空器使用 24 号跑道落地时应尽快由 J 快速脱离道脱离；如需选择其他道口脱离，应在首次联系塔台时通知管制员。

2.5 Use taxiway D and J to exit RWY as soon as possible; otherwise notify TWR when contacting controller.

2.6 机场冲突多发地带运行要求

2.6 Hot spot procedure

2.6.1 机动区冲突多发地带位置见 ZYTX AD2.24-1/2;

2.6.1 Refer to ZYTX AD2.24-1/2;

2.6.2 为减少运行差错,降低地面冲突和跑道入侵事件的发生概率,在机场活动区内运行的航空器需严格按照下述的要求运行:

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

HS1&HS2: 06 号和 24 号跑道 ILS 保护区使用 06/24 号跑道起降时，管制员将指令航空器在 ILS 保护区等待线外等待，航空器进入此区域前，须得到塔台管制员的许可。

HS1&HS2: ILS PROTECTION AREA FOR RWY06/24Aircraft shall wait out of the ILS protection area when using RWY06/24. ATC permission is needed before getting into these areas.

HS3:滑行线 M, N, P 及滑行道 R 与滑行道 A 的交叉区域航空器在此复杂区域运行时需注意观察，听从管制员的等待或滑行指令。

HS3: INTERSECTIONS OF TAXIWAYS A, R AND TAXI LANE M, N, PAircraft shall follow ATC instructions when operate in this complicated area.

2.7 使用 24 号跑道时，落地航空器通常情况下使用 J、A、P 或 K、A、P 滑行（停靠在公务机坪的航空器除外），未经塔台管制许可不得使用 M,N 滑行线脱离滑行道 A；

2.7 RWY24 in use:landing aircraft generally use TWY J, A, P or TWY K, A, R to taxi (except aircraft landing at business aircraft apron). Aircraft cannot vacate TWY A via taxi lane M and N;

2.8 使用 06 号跑道时，落地航空器停靠 T1, T2, T3

2.8 RWY06 in use: landing aircraft shall taxi into apron

机坪主用 G 滑和 E 滑，通常情况下 T3 离港航空器将使用 R,A 滑行至 06 号跑道 ILS 保护区等待线，避免错过 A 滑行道而误入 K 快速脱离道导致跑道侵入，同时注意观察与滑行道 A 上的航空器之间的交叉冲突。

T1, T2 and T3 via TWY E and G; departure aircraft shall taxi into ILS protection area of RWY06 via TWY R and A. Flight crew shall avoid RWY incursion by missing TWY A and taxiing into rapid exit TWY K, and pay attention to the aircraft on TWY A at the same time to avoid intersection collide.

2.9 A2、A8 垂直联络道使用规则

2.9 General rules for the use of A2, A8

2.9.1 运行限制：允许 C 类（翼展小于 36m）及以下的航空器进入跑道使用，不可作为脱离跑道使用。

2.9.1 Operational limitations: use for CAT C with wing span less than 36m entering RWY, not available for vacating RWY.

2.9.2 原则上在沈阳桃仙机场运行的所有 C 类（翼展小于 36m）及以下的航空器均由 A2/A8 垂直联络道进入跑道使用非全跑道起飞;在非全跑道起飞运行模式实施期间，空管塔台将根据实际运行条件（能见度、风向风速、跑道转换期间、道面污染等）的改变，决定是否暂停使用非全跑道起飞运行模式。

2.9.2 In general, all CAT C aircrafts with wing span less than 36m enter RWY via A2 or A8 for shortened runway departure. During operating shortened runway departure, TWR will decide whether to suspend shortened runway departure by operation condition(VIS, Wind, RWY conversion, RWY contamination etc).

2.9.3 航空器驾驶员在做起飞前准备工作时，应当对当日执行飞行计划的航空器是否满足非全跑道起飞的性能要求进行确认，由于特殊原因无法执行非全跑道起飞时，应尽早且不得晚于开车前通报机坪、塔台，申请使用全跑道起飞，空管部门会对该航班重新进行放行排序。

2.9.3 During preflight process, pilot should confirm if the aircraft can fulfill　shortened runway departure. If can not operate shortened runway departure, the aircraft should contact Apron and Tower to apply for full-runway take-off before start-up. ATC will reorder the flight .

2.9.4 如航空器驾驶员因特殊原因不能接受已经确认的非全跑道起飞管制指令时，请立即向当前所处

2.9.4 If can not accept the comfirmed order of shortened runway departure, pilot should immediately

运行阶段的管制责任单位报告，且不得晚于进入平行滑行道 A 之前，空管部门会对该航班重新进行放行排序。

report to ATC before entering TWY A. ATC will reorder the flight .

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 Taxiing route

名称 Name	滑出方向 Taxiing direction	路线 Route	起点 Start	终点 End
ROUTE1	06	N→P1→P→T→R	N of Y28 (included) to Y34 (included)	HP03
ROUTE2	06	N→P2→P→T→R	N of Y28 (included) to Y34 (included)	HP03
ROUTE3	06	P3→P→T→R	P3	HP03

3.2 在机坪范围内设有 9 个机坪等待点（AH03-AH11）、9个滑出等待点（HP03-HP11），以上等待点均为强制位置报告点，航空器在滑行接近该位置点时，必须进行位置报告。滑入机坪活动区的航空器需要在滑行路线上的机坪等待点等待，得到桃仙塔台或桃仙机坪同意后可继续进行滑行，滑出机坪活动区的航空器需要在滑行路线上的滑出等待点等待，得到桃仙塔台同意后可继续滑行。

3.2 AH03-AH11 and HP03-HP11 are compulsory holding points, flight crew shall report position when approach to these points.When aircraft taxi in apron area, flight crew shall hold AH and wait for TWR or APN permission, when aircraft taxi out apron area, flight crew shall hold at HP and wait for TWR permission .

3.3 滑入及滑出等待位置的规定:

3.3 Rules for entering/exiting holding position:

滑出等待位置 Taxiing holding point	滑行方向 Taxiing direction	机坪等待位置 Apron holding point	滑行方向 Taxiing direction

HP03-HP11	S to N	AH03-AH11	N to S

3.4 发动机试车，需经机坪塔台许可，并在指定的地点进行。严禁在廊桥附近和客机坪试大车；

3.4 Engine run-ups are subject to Apron-Tower Control clearance, and shall be carried out at a designated location. Fast engine run-ups near boarding bridges or on apron are strictly forbidden;

3.5 航空器可由引导车引导进、出停机位；

3.5 Aircraft may be guided by follow-me vehicle for entry into/exit from the parking stands;

3.6 机位使用规定

3.6 Rules for parking stands

3.6.1 机位使用条件/Limits for air craft parking on the following stands

停机位/ Stands	航空器翼展限制/ Wing span limits for aircraft(m)
Y19, Y20	≤36

3.6.2 机位同时使用限制（组合机位）/Limits for combined stands

停机位/ Stands	影响机位/ The stands forbidden to be used
Y04	Y04R, Y04L

3.7 机场桥载设备代替 APU 管理规定

3.7 Bridge equipment replace APU

3.7.1 为降低碳排放及噪音，所有停靠廊桥机位的航空器须关闭 APU，使用 400Hz 静变电源设备（电源

3.7.1 To reduce carbon emission and noises, aircraft parking at boarding bridge stands shall turn off APU,

机组）和地面空调设备（空调机组），替代航空器辅助动力装置（APU），保障航空器正常运行。以下特殊情况除外：

3.7.1.1 桥载设备发生故障，不能提供服务；

3.7.1.2 航空器进行 APU 的维修检测活动；

3.7.1.3 遇到影响航班安全、正常运行的特殊情形，例如极端天气、专机保障、航班过站时间不足等有关情况。

3.7.2 如航空公司希望使用 APU，必须致电沈阳桃仙国际机场股份有限公司机务维修部桥载设备保障室（电话：024-31929016）进行申请，申请被批准后方可使用 APU。

3.8 航空器慢车除冰程序

3.8.1 使用 24 号跑道运行时，Y01、M06、M07L、M07R、M08 为除冰机位。

3.8.2 机坪塔台管制员在与离港航空器联系时，询问机组是否接受慢车除冰，并根据实际运行情况决定其是否执行除冰坪慢车除冰。

3.8.3 满足慢车除冰条件的航空器，机坪塔台指挥其推出，开车并自滑至 E 前，跟随 T 线上正切 Y06 位置的引导车，继续滑行至除冰坪相对应的除冰等待位

use bridge power supply equipment(400Hz) and ground air conditioner to replace APU. Aircraft can use APU as the following situation:

3.7.1.1 Bridge equipment is unserviceable.

3.7.1.2 APU is in maintenance.

3.7.1.3 In case of exceptional circumstance influencing the regularity and safty of operation, such as extreme weather, special plane support, and insufficient flight transition time, aircraft can use APU.

3.7.2 If need to use APU, airlines shall call maintenance department in Shenyang Taoxian International Airport CO.LTD. on 86-24-31929016 for application. APU can be used after the application is approved.

3.8 Engine idle deicing procedure

3.8.1 Deicing stands Nr.Y01, M06, M07L, M07R, M08 for RWY24.

3.8.2 Apron-Tower controller inquiries if departure aircraft need engine idle deicing or not, then decides whether to engine idle deicing due to actual conditions.

3.8.3 Apron-Tower controls aircraft appliable for deicing with engine idle to push back and start up to TWY E, then follow marshaller on TWY T to continue

置。

taxiing deicing holding position on deicing apron.

3.8.4 航空器滑行至除冰坪相对应等待位置后，机坪塔台指挥航空器转频至频率 121.8。

3.8.4 After taxiing into deicing holding position on deicing apron, Apron-Tower instruct aircraft to change VHF frequency to 121.8MHz.

3.8.5 除冰坪除冰等待位置：本场共设 5 个除冰等待点。/Deicing holding poistion:

起飞跑道/RWY for departure	等待位置名称/Holding position	具体位置/Deicing stand
24	DH01	Nr.Y01
24	DH02	Nr.M08
24	DH03	Nr.M07L
24	DH04	Nr.M07R
24	DH05	Nr.M06

3.8.6 航空器完成除冰后向机坪塔台申请滑出，机坪塔台按照航班放行时间顺序指挥其在移交等待点等待，移交空管塔台指挥。

3.8.6 After completing deicing, aircraft applies for taxi-back. Apron-Tower order aircraft to hold short of transmit holding point and hand over TWR according to delivery sequence.

4. 进、离场管制规定

4. Air traffic control regulations

无

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

无

8. 警告

8.1 沈阳桃仙机场 ILS RWY06/24 下滑道信号受到干扰，受影响航班在五边所处位置不固定，总体集中于跑道入口 14km-7km 或跑道入口附近，提醒实施 ILS 进近机组注意。

9. 直升机飞行限制，直升机停靠区

无

ZYTX AD 2.21 噪音限制规定及减噪程序

无

ZYTX AD 2.22 飞行程序

1. 总则

除经塔台特殊许可外，在塔台管制区内的飞行，必须按照仪表飞行规则进行。

2. 起落航线

起落航线在跑道南侧，A、B 类航空器高度 400m，C、D 类航空器高度 600m。

7. Simultaneous operations on parallel runways

Nil

8. Warning

8.1 ILS/GP signal unstable for RWY06/24 between 14km-7km from RWY threshold or nearby RWY threshold, exercise caution.

9. Helicopter operation restrictions and helicopter parking / docking area

Nil

ZYTX AD 2.21 Noise restrictions and Noise abatement procedures

Nil

ZYTX AD 2.22 Flight procedures

1. General

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

2. Traffic circuits

Traffic circuits shall be made to the south of RWY, at the altitude of 400m for aircraft CAT A/B, and 600m

for aircraft CAT 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。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

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. Radar procedures and/or ADS-B procedures

Radar control within Shenyang APP has been implemented. The minimum horizontal radar separation is 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

6.1 禁止在跑道北侧进行目视机动（盘旋）飞行。

6.2 沈阳管制区 6000m（含）以下航路（航线），实施目视间隔；沈阳终端和塔台管制空域实施目视间隔和目视进近。

6. Procedures for VFR flights

6.1 Aircraft are forbidden to VFR approach procedure circle on north of RWY.

6.2 Visual separation implemented within ATS route of SHENYANG control area(at 6000m and below); Visual separation and visual approach implemented within SHENYANG TMA and TWR control area.

7. 目视飞行航线

7. VFR route

无	Nil

8. 目视参考点

8. Visual reference point

无	Nil

9. 其它规定

9. Other regulations

无	Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

Waypoint ID	COORDINATES	Waypoint ID	COORDINATES
TX401	N414334 E1220756	TX563	N411455 E1235821
TX402	N414235 E1220744	TX564	N413427 E1232302
TX403	N413556 E1220625		
TX404	N413338 E1220558	TX602	N414542 E1234005
TX405	N413549 E1231519	TX603	N414737 E1234300
TX408	N412613 E1231039	TX604	N415140 E1233812
TX409	N404644 E1233811	TX605	N414158 E1234521
TX410	N405435 E1235422	TX606	N413248 E1235810
TX411	N412552 E1240617	TX607	N414808 E1235446
TX412	N412227 E1241429	TX608	N415212 E1234959
TX413	N420014 E1243219	TX609	N413441 E1242343
TX414	N415654 E1244040	TX611	N421411 E1242206
TX415	N424117 E1250037	TX612	N413824 E1233955
TX416	N423804 E1250908	TX613	N412912 E1230522
		TX614	N412712 E1230223
TX503	N413040 E1231721	TX615	N413417 E1233340
TX504	N412623 E1232145	TX616	N414254 E1241750

TX505	N412551 E1233122	TX651	N413358 E1232219
TX506	N413351 E1233301	TX652	N413736 E1231800
TX507	N412406 E1234536	TX653	N412759 E1232637
TX508	N414310 E1234711	TX654	N412518 E1233553
TX509	N413240 E1240031	TX655	N413306 E1234743
TX510	N412254 E1235520	TX656	N413632 E1235257
TX511	N413701 E1240809	TX657	N412505 E1241628
TX512	N410827 E1240420	TX658	N414503 E1235003
TX513	N414001 E1242749	TX659	N412331 E1232218
TX514	N412827 E1241906		
TX515	N420945 E1243849	TX661	N405314 E1234249
TX516	N413111 E1224829	TX662	N414907 E1234517
TX517	N412853 E1224801		
TX518	N411959 E1232823	ANSUK	N4102.9 E12411.6
		BIDIB	N4124.4 E12409.8
TX551	N414238 E1233524	EKVOK	N4149.4 E12406.6
TX552	N414713 E1234224	GUMOD	N4128.2 E12313.7
TX553	N415117 E1233737	IVPUV	N4156.8 E12429.7
TX554	N414640 E1233037	LEMOT	N4249.5 E12511.0
TX555	N414202 E1232441	LOVKA	N4135.0 E12314.0
TX556	N415444 E1235353	LUMKU	N4200.2 E12512.7
TX557	N420159 E1240502	NUBKI	N4158.8 E12435.9
TX558	N413944 E1240752	NUTVA	N4117.6 E12400.3
TX559	N413035 E1240113	OMDUS	N4134.5 E12111.0
TX560	N420803 E1244819	OSUTU	N4148.1 E12433.9
TX561	N414329 E1241934	TOSID	N4034.9 E12334.0
TX562	N412947 E1240907	VILIX	N4116.9 E12410.4

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA TCH	Navigation Specification
RWY06 Departure OMDUS-61D								
CF	TX551		056					RNP1
TF	TX552							RNP1
TF	EKVOK	Y			↑3000	MAX270		RNP1
DF	TX558			R	↑3600			RNP1
TF	TX559				↑4800			RNP1
TF	TX506							RNP1
TF	TX564							RNP1
TF	LOVKA							RNP1
TF	TX402							RNP1
TF	OMDUS							RNP1
RWY06 Departure OMDUS-62D								
CF	TX551		056					RNP1
TF	TX508							RNP1
TF	EKVOK	Y			↑3000	MAX270		RNP1
DF	TX558			R	↑3600			RNP1
TF	TX559				↑4800			RNP1
TF	TX506							RNP1
TF	TX564							RNP1
TF	LOVKA							RNP1
TF	TX402							RNP1
TF	OMDUS							RNP1
RWY06 Departure OMDUS-63D								

CF	TX551		056					RNP1
TF	TX552							RNP1
TF	TX508					MAX230		RNP1
TF	TX506							RNP1
TF	TX564							RNP1
TF	LOVKA							RNP1
TF	TX402							RNP1
TF	OMDUS							RNP1
RWY06 Departure OMDUS-64D(by ATC)								
CF	TX551		056					RNP1
TF	TX552							RNP1
TF	TX553					MAX230		RNP1
TF	TX554							RNP1
TF	TX555							RNP1
TF	LOVKA							RNP1
TF	TX402							RNP1
TF	OMDUS							RNP1
RWY06 Departure TOSID-61D								
CF	TX551		056					RNP1
TF	TX552							RNP1
TF	EKVOK				↑3000			RNP1
TF	TX561				↑4200			RNP1
TF	TX562				↑4800			RNP1
TF	TX411							RNP1
TF	TX563							RNP1
TF	TX409							RNP1
TF	TOSID							RNP1

RWY06 Departure TOSID-62D							
CF	TX551		056				RNP1
TF	TX508						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX561				↑4200		RNP1
TF	TX562				↑4800		RNP1
TF	TX411						RNP1
TF	TX563						RNP1
TF	TX409						RNP1
TF	TOSID						RNP1
RWY06 Departure ANSUK-61D							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX561				↑4200		RNP1
TF	TX562				↑4800		RNP1
TF	BIDIB						RNP1
TF	VILIX						RNP1
TF	ANSUK						RNP1
RWY06 Departure ANSUK-62D							
CF	TX551		056				RNP1
TF	TX508						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX561				↑4200		RNP1
TF	TX562				↑4800		RNP1
TF	BIDIB						RNP1
TF	VILIX						RNP1

TF	ANSUK						RNP1
RWY06 Departure LUMKU-61D							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX414						RNP1
TF	LUMKU						RNP1
RWY06 Departure LUMKU-62D							
CF	TX551		056				RNP1
TF	TX508						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX414						RNP1
TF	LUMKU						RNP1
RWY06 Departure LEMOT-61D							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX414						RNP1
TF	TX560						RNP1
TF	TX416						RNP1
TF	LEMOT						RNP1
RWY06 Departure LEMOT-62D							
CF	TX551		056				RNP1
TF	TX508						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX414						RNP1
TF	TX560						RNP1

TF	TX416						RNP1
TF	LEMOT						RNP1
RWY06 Departure LEMOT-63D(by ATC)							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	TX556				↑3000		RNP1
TF	TX557						RNP1
TF	TX560						RNP1
TF	TX416						RNP1
TF	LEMOT						RNP1
RWY06 Departure KYU-61D							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX557						RNP1
TF	KYU						RNP1
RWY06 Departure 20 KYU-62D							
CF	TX551		056				RNP1
TF	TX508						RNP1
TF	EKVOK				↑3000		RNP1
TF	TX557						RNP1
TF	KYU						RNP1
RWY06 Departure KYU-63D(by ATC)							
CF	TX551		056				RNP1
TF	TX552						RNP1
TF	TX556				↑3000		RNP1
TF	TX557						RNP1

TF	KYU						RNP1

RWY24 Departure OMDUS-71D

CF	TX651		236				RNP1
TF	LOVKA						RNP1
TF	TX402						RNP1
TF	OMDUS						RNP1

RWY24 Departure TOSID-71D

CF	TX651		236				RNP1
TF	TX653						RNP1
TF	TX654						RNP1
TF	TX510					MAX270	RNP1
TF	NUTVA				↑4200	MAX280	RNP1
TF	TX661						RNP1
TF	TX409						RNP1
TF	TOSID						RNP1

RWY24 Departure TOSID-72D(by ATC)

CF	TX651		236				RNP1
TF	TX659						RNP1
TF	TX661						RNP1
TF	TX409						RNP1
TF	TOSID						RNP1

RWY24 Departure ANSUK-71D

CF	TX651		236				RNP1
TF	TX653						RNP1
TF	TX654						RNP1
TF	TX510						RNP1
TF	VILIX						RNP1

TF	ANSUK						RNP1
RWY24 Departure LUMKU-71D							
CF	TX651		236				RNP1
TF	TX653						RNP1
TF	TX654						RNP1
TF	TX510						RNP1
TF	BIDIB						RNP1
TF	TX657						RNP1
TF	OSUTU				↑4500		RNP1
TF	LUMKU						RNP1
RWY24 Departure LUMKU-72D(by ATC)							
CF	TX651		236				RNP1
TF	TX652					MAX230	RNP1
TF	TX555						RNP1
TF	TX554						RNP1
TF	TX553				↑3600		RNP1
TF	EKVOK						RNP1
TF	OSUTU				↑4500		RNP1
TF	LUMKU						RNP1
RWY24 Departure LEMOT-71D							
CF	TX651		236				RNP1
TF	TX653						RNP1
TF	TX654						RNP1
TF	TX510						RNP1
TF	BIDIB						RNP1
TF	TX657						RNP1
TF	OSUTU				↑4500		RNP1

TF	TX414						RNP1
TF	TX560						RNP1
TF	TX416						RNP1
TF	LEMOT						RNP1
RWY24 Departure LEMOT-72D(by ATC)							
CF	TX651		236				RNP1
TF	TX652					MAX230	RNP1
TF	TX555						RNP1
TF	TX554						RNP1
TF	TX553				↑3600		RNP1
TF	EKVOK						RNP1
TF	OSUTU				↑4500		RNP1
TF	TX414						RNP1
TF	TX560						RNP1
TF	TX416						RNP1
TF	LEMOT						RNP1
RWY24 Departure KYU-71D							
CF	TX651		236				RNP1
TF	TX653						RNP1
TF	TX654						RNP1
TF	TX655				↑3600		RNP1
TF	TX656						RNP1
TF	EKVOK						RNP1
TF	TX557						RNP1
TF	KYU						RNP1
RWY24 Departure KYU-72D(by ATC)							
CF	TX651		236				RNP1

TF	TX652					MAX230		RNP1
TF	TX555							RNP1
TF	TX554							RNP1
TF	TX553				↑3600			RNP1
TF	TX557							RNP1
TF	KYU							RNP1
RWY06 Arrival OMDUS-61A								
IF	OMDUS							RNP1
TF	TX403							RNP1
TF	TX516							RNP1
TF	GUMOD				900	MAX200		RNP1
RWY06 Arrival OMDUS-62A(by ATC)								
IF	OMDUS							RNP1
TF	TX404							RNP1
TF	TX517							RNP1
TF	TX408				1200			RNP1
TF	GUMOD				900	MAX200		RNP1
RWY06 Arrival TOSID-61A								
IF	TOSID							RNP1
TF	TX410							RNP1
TF	TX512				↑4200			RNP1
TF	VILIX							RNP1
TF	TX412							RNP1
TF	TX514							RNP1
TF	TX513							RNP1
TF	TX561				↓2700			RNP1
TF	TX511							RNP1

TF	TX509							RNP1
TF	TX507							RNP1
TF	TX505							RNP1
TF	TX504				1200	MAX200		RNP1
RWY06 Arrival TOSID-62A								
IF	TOSID							RNP1
TF	TX410							RNP1
TF	TX512				↑4200			RNP1
TF	VILIX							RNP1
TF	TX510				↑2700			RNP1
TF	TX507							RNP1
TF	TX505							RNP1
TF	TX504				1200	MAX200		RNP1
RWY06 Arrival TOSID-63A(by ATC)								
IF	TOSID							RNP1
TF	TX410							RNP1
TF	TX518							RNP1
TF	TX504				1200	MAX200		RNP1
RWY06 Arrival ANSUK-61A								
IF	ANSUK							RNP1
TF	VILIX							RNP1
TF	TX412							RNP1
TF	TX514							RNP1
TF	TX513							RNP1
TF	TX561				↓2700			RNP1
TF	TX511							RNP1
TF	TX509							RNP1

TF	TX507						RNP1
TF	TX505						RNP1
TF	TX504			1200	MAX200		RNP1
RWY06 Arrival ANSUK-62A							
IF	ANSUK						RNP1
TF	VILIX						RNP1
TF	TX510			↑2700			RNP1
TF	TX507						RNP1
TF	TX505						RNP1
TF	TX504			1200	MAX200		RNP1
RWY06 Arrival LUMKU-61A							
IF	LUMKU						RNP1
TF	NUBKI						RNP1
TF	IVPUV						RNP1
TF	TX561			↓2700			RNP1
TF	TX511						RNP1
TF	TX509						RNP1
TF	TX507						RNP1
TF	TX505						RNP1
TF	TX504			1200	MAX200		RNP1
RWY06 Arrival LEMOT-61A							
IF	LEMOT						RNP1
TF	TX415						RNP1
TF	TX515			↑4800			RNP1
TF	TX413						RNP1
TF	IVPUV						RNP1
TF	TX561			↓2700			RNP1

TF	TX511							RNP1
TF	TX509							RNP1
TF	TX507							RNP1
TF	TX505							RNP1
TF	TX504				1200	MAX200		RNP1
RWY06 Arrival KYU-61A								
IF	KYU							RNP1
TF	TX557							RNP1
TF	EKVOK				↑2400			RNP1
TF	TX511							RNP1
TF	TX509							RNP1
TF	TX507							RNP1
TF	TX505							RNP1
TF	TX504				1200	MAX200		RNP1
RWY24 Arrival OMDUS-71A								
IF	OMDUS							RNP1
TF	TX403							RNP1
TF	TX516							RNP1
TF	TX613							RNP1
TF	PU							RNP1
TF	TX615							RNP1
TF	TX612							RNP1
TF	TX605				↑900	MAX210		RNP1
TF	TX658							RNP1
TF	TX607							RNP1
TF	TX608							RNP1
TF	TX662				900	MAX200		RNP1

RWY24 Arrival OMDUS-72A(by ATC)							
IF	OMDUS						RNP1
TF	TX404						RNP1
TF	TX517						RNP1
TF	TX614						RNP1
TF	PU						RNP1
TF	TX615						RNP1
TF	TX612						RNP1
TF	TX605			↑900	MAX210		RNP1
TF	TX658						RNP1
TF	TX607						RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival OMDUS-73A(by ATC)							
IF	OMDUS						RNP1
TF	TX403						RNP1
TF	TX516						RNP1
TF	TX613						RNP1
TF	TX405						RNP1
TF	TX555						RNP1
TF	TX554				MAX210		RNP1
TF	TX604			↑1200	MAX200		RNP1
RWY24 Arrival TOSID-71A							
IF	TOSID						RNP1
TF	TX410						RNP1
TF	TX512			↑4200			RNP1
TF	VILIX						RNP1

TF	TX412						RNP1
TF	TX609						RNP1
TF	OSUTU						RNP1
TF	IVPUV						RNP1
TF	EKVOK			↑1800			RNP1
TF	TX607				MAX210		RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival TOSID-72A							
IF	TOSID						RNP1
TF	TX410						RNP1
TF	TX512			↑4200			RNP1
TF	VILIX						RNP1
TF	TX412						RNP1
TF	TX609						RNP1
TF	TX616						RNP1
TF	EKVOK			↑1800			RNP1
TF	TX607				MAX210		RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival ANSUK-71A							
IF	ANSUK						RNP1
TF	VILIX						RNP1
TF	TX412						RNP1
TF	TX609						RNP1
TF	OSUTU						RNP1
TF	IVPUV						RNP1

TF	EKVOK			↑1800			RNP1
TF	TX607				MAX210		RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival ANSUK-72A							
IF	ANSUK						RNP1
TF	VILIX						RNP1
TF	TX412						RNP1
TF	TX609						RNP1
TF	TX616						RNP1
TF	EKVOK			↑1800			RNP1
TF	TX607				MAX210		RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival LUMKU-71A							
IF	LUMKU						RNP1
TF	NUBKI						RNP1
TF	IVPUV						RNP1
TF	EKVOK			↑1800			RNP1
TF	TX607				MAX210		RNP1
TF	TX608						RNP1
TF	TX662			900	MAX200		RNP1
RWY24 Arrival LEMOT-71A							
IF	LEMOT						RNP1
TF	TX415						RNP1
TF	TX515			↑4800			RNP1
TF	TX413						RNP1

TF	IVPUV						RNP1
TF	EKVOK				↑1800		RNP1
TF	TX607					MAX210	RNP1
TF	TX608						RNP1
TF	TX662				900	MAX200	RNP1
RWY24 Arrival LEMOT-72A(by ATC)							
IF	LEMOT						RNP1
TF	TX415						RNP1
TF	TX557				↓3000		RNP1
TF	TX608					MAX210	RNP1
TF	TX662				900	MAX200	RNP1
RWY24 Arrival KYU-71A							
IF	KYU						RNP1
TF	TX557				↓3000		RNP1
TF	EKVOK				↑1800		RNP1
TF	TX607					MAX210	RNP1
TF	TX608						RNP1
TF	TX662				900	MAX200	RNP1
RWY24 Arrival KYU-72A(by ATC)							
IF	KYU						RNP1
TF	TX557				↓3000		RNP1
TF	TX608					MAX210	RNP1
TF	TX662				900	MAX200	RNP1
RWY06 Approach transition(via GUMOD)							
IF	GUMOD				900	MAX200	RNP1
TF	TX503				900		RNP1

RWY06 Approach transition(via TX504)							
IF	TX504				1200	MAX200		RNP1
TF	TX503				900			RNP1
RWY06 Holding (TX403,TX404 1.5min, others 1min)							
HM	TX403	Y	107	L	↓5700	MAX250		RNP1
HM	TX404	Y	107	R	by ATC			RNP1
HM	TX503	Y	076	L	900	MAX200		RNP1
HM	TX505	Y	287	R	1200	MAX200		RNP1
HM	TX506	Y	236	L	900	MAX200		RNP1
HM	TX509	Y	240	L	by ATC	MAX230		RNP1
HM	TX510	Y	306	R	by ATC	MAX230		RNP1
HM	TX513	Y	037	L	by ATC	MAX250		RNP1
HM	TX516	Y	107	L	by ATC	MAX230		RNP1
HM	TX517	Y	107	R	by ATC			RNP1
HM	TX557	Y	183	L	by ATC	MAX230		RNP1
RWY24 Approach transition(via TX662)							
IF	TX662				900	MAX200		RNP1
TF	TX602				600			RNP1
RWY24 Approach transition(via TX604)							
IF	TX604				1200	MAX200		RNP1
TF	TX603							RNP1
TF	TX602				600			RNP1
RWY24 Holding (TX403,TX404 1.5min, others 1min)							
HM	TX403	Y	107	L	↓5700	MAX250		RNP1
HM	TX404	Y	107	R	by ATC			RNP1
HM	TX516	Y	107	L	by ATC	MAX230		RNP1

HM	TX517	Y	107	R	by ATC			RNP1
HM	TX557	Y	183	L	by ATC	MAX230		RNP1
HM	TX605	Y	056	R	900	MAX200		RNP1
HM	TX609	Y	038	L	by ATC	MAX230		RNP1
HM	EKVOK	Y	255	L	1800	MAX230		RNP1

ZYTX AD 2.23 其它资料

ZYTX AD 2.23 Other information

全年有鸟类活动。每年 3 月下旬—5 月下旬是春季鸟类迁徙期，9 月上旬—10 月下旬是秋季鸟类迁徙期，会出现成群家燕在飞行区集结的现象。机场当局采取了驱赶措施，以减少鸟群活动。

Activities of bird flocks take place all the year round.Late march to late may is birds migration season in spring,early september to late october is birds migration season in autumn. There will be a phenomenon of barn swallows in the airfield. Aerodrome Authority resorts to dispersal methods to reduce bird activities.The details of bird activities as follows:

活动时间 Migratory Season	活动方向 Direction of activity	飞行高度 Flight height within AD
Late March-Late May	migrate S to N	Generally below 1000m, maximum altitude up to 3000-6000m, several can fly over 9000m.
Early September-Late October	migrate N to S	Generally below 1000m, maximum altitude up to 3000-6000m, several can fly over 9000m.