

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

ZSZS-舟山/普陀山 ZHOUSHAN/Putuooshan

**ZSZS 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	N29°56.1' E122°21.8' 50m S of RWY center
2	方向、距离 Direction and distance from city	287°MAG, 7km FM government of Putuo district
3	标高/参考气温 Elevation / Reference temperature	1.8m/31.1℃(AUG)
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	4°W(1980)/-5'08"
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	ZhoushanPutuooshan Airport CO. LTD. ZhoushanPutuooshan Airport Post code:316112 TEL:86-580-6260888 AFS:ZSZSYDYX Website:http://www.zsairport.com.cn
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/4D
9	备注 Remarks	Nil

**ZSZS 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	HS or O/R

	AIS Briefing Office	
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	Nil
12	备注 Remarks	Nil

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

1	货物装卸设施 Cargo-handling facilities	baggage transporter, platform trailer, tractor
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(14&18&20 cubic metres); 7 liters/sec
4	除冰设施 De-icing facilities	Nil
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	general maintenance
7	备注 Remarks	Power unit, air supply unit, lavatory service vehicles, potable water supply vehicles, aircraft tow tractor

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

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

**ZSZS 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 7
2	援救设备 Rescue equipment	rapid intervention vehicle, primary foam tender, heavy-load foam tender, illumination truck
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	mobile surface operation devices, traction rack
4	备注 Remarks	Nil

**ZSZS 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	Nil
2	扫雪顺序 Clearance priorities	
3	备注 Remarks	Nil

**ZSZS 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 78/R/B/W/T: stands Nr.11-18 PCN 53/R/B/W/T: stands Nr.1-10
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	39m: A2, A3&A4(112.5-230m FM RWY edge line), A5; 31m: A1, A6; 23m: A, A3&A4(0-112.5m FM RWY edge line)
		Surface:	CONC: A, A1(0-22.5m FM RWY edge line), A2 & A5(52.5-148.5m FM RWY edge line), A3, A4, A6(0-22.5m, 52.5-148.5m FM RWY edge line) ASPH: A1(22.5-148.5m FM RWY edge line), A2 & A5(0-52.5m FM RWY edge line), A6(22.5-52.5m FM RWY edge line)
		Strength:	PCN 88/F/B/W/T: A1(22.5-148.5m FM RWY edge line), A2&A5(0-52.5m FM RWY edge line), A6(22.5-52.5m FM RWY edge line); PCN 78/R/B/W/T: A, A2&A5&A6(52.5-148.5m FM RWY edge line), A3&A4(112.5-230m FM RWY edge line) PCN 53/R/B/W/T: A1&A6(0-22.5m FM RWY edge line), A3&A4(0-112.5m FM RWY edge line)
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	

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

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersections of RWY and TWY and at all holding positions; Taxiing guidance lines at TWYs and aprons; Marshaller guidance and sign boards at stands.
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2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	THR, TDZ, center line, edge line, aiming point, RWY designations
		RWY lights	THR, center line, RWY end, edge line
		TWY markings	Center line, taxiing holding positions, edge line, intermediate holding position,
		TWY lights	Edge line, center line, intermediate holding position
3	停止排灯 Stop bars	Nil	
4	备注 Remarks	Blue apron edge line lights	

## ZSJS AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on ARP						
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	Antenna	006	997	17	RWY18 ILS/DME final approach	
2	MT	014	5876	103.5	RWY18 VOR/DME final approach	
3	*MT	018	1620	58.5	RWY36 ILS/DME final approach	
4	MT	018	6222	126.3		
5	MT	018	7946	192.6		
6	*MT	019	7424	183.5		
7	MT	020	8885	283.8		
8	*MT	022	2943	56.2		
9	MT	022	5719	101.0		
10	MT	023	5664	95.9		
11	*MT	027	2602	69.4		
12	MT	039	1111	49.4		

Obstacles within a circle with a radius of 15km centered on ARP						
序号 Serial Nr.	障碍物类型(*代表 有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞 航径区 Flight procedure / take - off flight path area affected	备注 Remarks
13	*TWR	044	886	50.5		
14	MT	068	2301	67.1		
15	MT	077	1826	82.6		
16	*BLDG	082	3969	178.7		
17	*MT	091	3783	133.3		
18	MT	092	960	73.6		
19	*MT	094	2096	146.2		
20	*MT	100	2265	153.5		
21	MT	106	1030	88.1		
22	*MT	123	5860	316.3		
23	*MT	125	6070	378.4	CAT C/D Circling	
24	*MT	126	4462	172.6		
25	MT	131	6001	217.4		
26	*MT	133	6413	230.0		
27	BLDG	139	2457	58.1		
28	*MT	141	6364	185.5		
29	MT	153	5858	200.0		
30	MT	155	4449	76.1		
31	MT	156	6759	158.1		
32	MT	157	5325	145.1		
33	*MT	157	6022	228.0		
34	*TWR	160	5264	135.1		
35	*MT	161	2235	70.5		
36	MT	166	10438	365.0		
37	*MT	167	3009	68.3	RWY18 Departure	

Obstacles within a circle with a radius of 15km centered on ARP						
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
38	MT	168	7891	189.1		
39	MT	168	9863	369.0	RWY18 ILS/DME final approach	
40	MT	169	10167	376.6	RWY18 missed approach; RWY36 initial approach	
41	Antenna	170	797	17	RWY36 ILS/DME final approach	
42	*MT	171	8123	196.6		
43	*MT	171	8961	191.0		
44	*MT	172	5395	73.4	RWY36 LOC/DME, VOR/DME final approach; Take-off path	
45	*MT	172	9552	347.1		
46	*MT	173	8696	185.8	Take-off path	
47	*MT	173	10288	195.8		
48	*MT	174	9582	294.4	Take-off path	
49	MT	175	8556	181.0		
50	*MT	176	7931	178.2	Take-off path	
51	MT	176	8151	181.0		
52	*MT	181	11169	187.9		
53	*MT	182	10136	113.4		
54	*MT	184	10455	138.5		
55	MT	224	1107	90.8		
56	*TWR	224	12872	226.5		
57	*TWR	226	11116	232.5		

Obstacles within a circle with a radius of 15km centered on ARP						
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
58	*MT	241	989	113.4		
59	*MT	244	2318	82.7		
60	*MT	251	1684	85.9		
61	*TWR	257	2662	82.9		
62	*MT	279	1280	102.7		
63	*MT	279	2146	125.2		
64	*MT	281	2571	116.2		
65	*MT	295	4737	134.4		
66	*BLDG	301	5029	102.6		
67	*BLDG	302	5016	102.6		
68	MT	302	6361	197.4		
69	*BLDG	303	5118	98.8		
70	*MT	334	2414	74.4	RWY18 ILS/DME final approach	
71	MT	335	10318	361.0		
72	MT	337	8481	274.0		
73	MT	338	9602	366.5		
74	MT	338	11572	460.2	RWY18 initial approach; RWY36 Departure	
Others:						

Obstacles between two circles with the radius of 15km and 50km centered on ARP



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	064	45000	324		
2	MT	202	17914	210		
3	MT	208	16775	396		
4	MT	211	15753	320		
5	BLDG	212	16800	550		
6	MT	213	16637	483		
7	*TWR	214	25578	257		
8	*TWR	215	27213	212		
9	MT	216	16414	366		
10	MT	257	48000	541		
11	MT	263	24100	391		
12	*TWR	268	33400	209		
13	*TWR	269	32754	390		
14	*TWR	274	31477	390		
15	*TWR	282	28284	161		
16	*TWR	288	28290	166		
17	MT	288	45500	455		
18	*TWR	290	28221	161		
19	*TWR	291	45600	237		
20	*TWR	293	44853	237		
21	*TWR	299	42635	158		
22	*TWR	299	43223	158		
23	*TWR	303	32500	477		
24	MT	319	16600	503		
25	*TWR	321	27829	197		
26	*Chimney	322	25393	244		

Obstacles between two circles with the radius of 15km and 50km centered on ARP						
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
27	*TWR	323	29060	213		
28	*TWR	334	34630	161		
29	*TWR	335	35658	203		
30	MT	337	15814	233	RWY18 intermediate approach	
31	*TWR	337	38544	157		
Others:						

## ZSJS 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	相关气象台的名称 Associated MET Office	ZhoushanPutuoshan Airport MET Station
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	HO
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	ZhoushanPutuoshan Airport MET Station Forecast Office 9 HR; 3HR
4	趋势预报发布间隔 Issuance interval of trend forecast	Trend 1 HR
5	所提供的讲解/咨询服务 Briefing/consultation provided	P, T
6	飞行文件及其使用语言 Flight documentation, Languages used	Chart, International MET Codes, Abbreviated Plain Language Text Ch, En
7	讲解/咨询服务时可利用的图表和其它信息 Charts and other information available for briefing or consultation	Synoptic charts, significant weather charts, upper W/T charts, satellite material, temperature forecasting chart

8	提供信息的辅助设备 Supplementary equipment available for providing information	TEL, FAX, intercom, MET Service Terminal
9	提供气象情报的空中交通服务单位 ATS units provided with information	TWR, Air Traffic Services Reporting Office
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
12	观测系统及位置 Observation System & Site(s)	RVR EQPT A: 110m E of RCL, 323m inward THR18; B: 110m E of RCL, 1240m inward THR18; C: 110m E of RCL, 422m inward THR36. SFC wind sensors 18: 120m E of RCL, 333m inward THR; 36: 120m E of RCL, 433m inward THR. Ceilometer 18: 10m E of RCL, 710m outward THR36; 36: 10m E of RCL, 835m outward THR18.
13	气象观测系统的工作时间 Hours of operation for meteorological observation system	HO
14	气候资料 Climatological information	Climatological tables AVBL
15	其他信息 Additional information	Nil

**ZSZS 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 /	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
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			SWY surface		
1	2	3	4	5	6
18	175 °GEO 179 °MAG	2500×45	53/R/B/W/T CONC/-		THR1.8m TDZ1.8m
36	355 °GEO 359 °MAG	2500×45	53/R/B/W/T CONC/-		THR1.8m DTHR1.8m TDZ1.8m
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
0%	Nil	Nil	2620×300	Nil	220×130
0%	Nil	Nil	2620×300	Nil	220×130
Remark: 1. Anti-blast pad: 60×60m on both ends of RWY, CONC; 2. THR36 displaced 100m inwards; 3. Forced landing area is 2400×80m, located at East of RWY, soil.					

### ZSJS AD 2.13 公布距离 Declared distances

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
1	2	3	4	5	6
18	2500	2500	2500	2500	Nil
36	2500	2500	2500	2400	THR displaced 100m inwards
Remarks:					

### ZSJS 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
18	PALS CAT I* 720m VRB LIH	GREEN Yes	PAPI LEFT 385m inward THR18 3 °	Nil	2500m** spacing 30m	2500m**** spacing 60m	RED	Nil
36	PALS CAT I* 900m VRB LIH	GREEN Yes	PAPI LEFT 385m inward displaced THR36 3 °	Nil	2400m*** spacing 30m	2500m**** spacing 60m	RED	Nil
Remarks: *SFL **up to 1600m WHITE VRB LIH, 1600-2200m RED/WHITE VRB LIH, 2200-2500m RED VRB LIH ***up to 1500m WHITE VRB LIH, 1500-2100m RED/WHITE VRB LIH, 2100-2400m RED VRB LIH ****up to 1900m WHITE VRB LIH, 1900-2500m YELLOW VRB LIH								

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

1	机场灯标/识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向标/风向标位置和灯光 LDI/WDI location and LGT	Nil
3	滑行道边灯和中线灯 TWY edge and center line lighting	All TWYs: blue edge line light, green and yellow TWY center line light

4	备份电源/转换时间 Secondary power supply/switch-over time	diesel-driven generator/15s
5	备注 Remarks	Nil

**ZSJS 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

**ZSJS 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
Tower Control Area	A circle, radius 19NM centered at Zhoushan VOR/DME 'HSN'	2400m MSL(inclusive) and below	Nil
Altimeter setting region and TL/TA	A circle, radius 19NM centered at Zhoushan VOR/DME 'HSN'	TL 3600 TA 3000 3300m(QNH≥1031hPa) 2700m(QNH≤979hPa)	Nil

**ZSJS 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	Zhoushan Tower	118.05(124.35)	HO	Nil

### ZSZS 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
Zhoushan VOR/DME	HSN	112.3MHz CH70X	N29°55.9' E122°21.8' 208m E of RCL, 950m inward THR36	9m	For DME: R096 °R104 ° clockwise and R243 °R254 ° clockwise U/S.
Putuoshan NDB	LA	363kHz	N30 °00.3' E122 °24.3' 034 °MAG/8900m FM RWY center		
LMM 18	L	228kHz	359 °MAG/720m FM THR18		MM18 U/S
LOC 18 ILS CAT I	IPT	108.75MHz	179 °MAG/280m FM RWY18 end		Beyond 18 °leftside of front coures U/S; Beyond 13NM of front course U/S.
GP 18		330.35MHz	120m E of RCL, 313m inward THR18		Angle 3 ° RDH 15m
DME 18	IPT	CH24Y (108.75MHz)		7m	Co-located with GP 18
MM 36		75MHz	179 °MAG/950m FM THR36		U/S
LOC 36 ILS CAT I	IZS	110.5MHz	359 °MAG/280m FM RWY36 end		Beyond 27 °right side of front coures U/S

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
GP 36		329.6MHz	120m E of RCL, 312m inward THR36		Angle 3 ° RDH 16.7m Beyond 7 °leftside of GP, BTN 11-12NM U/S
DME 36	IZS	CH42X (110.5MHz)		10m	Co-located with GP 36

**ZSZS AD 2.20 本场飞行规定****ZSZS AD 2.20 Local traffic regulations****1. 机场使用规定****1. Airport operations regulations**

本场最大可使用机型：B757-200 及以下机型。使用  
本机场运行的 B757-200 及同类机型在全年运行架次  
不得大于 3000 架次。

1.1 Maximum aircraft to be available: B757-200 and  
equivalent. Maximum aircraft flights can not be  
allowed more than 3000 times each year.

**2. 跑道和滑行道的使用****2. Use of runways and taxiways**

无

Nil

**3. 机坪和机位的使用****3. Use of aprons and parking stands****3.1 机位使用限制/Limits for aircraft parking on the following stands:**

停机位/Stands Nr.	航空器翼展限制/Wing span limits for aircraft(m)	机身长度限制/Fuselage limits(m)	滑入、滑出方式/Enter or exit
1-4, 6-9	≤36	≤46.50	Taxi in and push-back
5	≤39	≤47.32	
10-14	≤36	≤45	
15, 16	<20	<24	



17, 18	D<20	Diameter of helicopter less than 20m can make hover turn
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3.2 相邻机位禁止两架航空器同时运行。

3.2 On adjacent parking stands, two ACFT forbidden to move simultaneously.

#### 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

#### 7. Simultaneous operations on parallel runways

无

Nil

#### 8. 警告

#### 8. Warning

8.1 跑道东侧有一条与跑道近似平行的公路，该公路设有路灯，请过往机组注意分辨。

8.1 To the east of RWY, there is a highway parallel with it. The highway has road lamp, flight crews shall exercise caution while landing and taking off.

#### 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

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

无

Nil

**ZSZS AD 2.22 飞行程序****ZSZS AD 2.22 Flight procedures****1. 总则****1. General**

1.1 除经舟山塔台特殊许可外,在舟山塔台管制区和机场管制地带内的飞行,必须按照仪表飞行规则进行。

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

**2. 起落航线****2. Traffic circuits**

2.1 起落航线以跑道东侧进行为主,通常在机场 5km 范围内;起落航线高度 600m, A、B 类航空器高度为 550m。

2.1 Traffic circuits shall be mainly made East of RWY and normally within 5km of the airport. Altitude of traffic circuits: 600m(QNH), 550m(QNH) for aircraft CAT A/B.

**3. 仪表飞行程序****3. IFR flight procedures**

3.1 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。

3.1 Strict adherence is required to the relevant arrival/departure procedures. Aircraft may, by ATC, hold or maneuver on designated airway, navaid or fix.

**4. 雷达程序和/或 ADS-B 程序****4. Radar procedures and/or ADS-B procedures**

无

Nil

**5. 无线电通信失效程序****5. Radio communication failure procedures**

5.1 航空器在确定无线电通信失效后,按照管制员给定的最后一个指令高度和进场航线飞向起始进近定位点(使用 18 号跑道落地为 LA 台;使用 36 号跑道落地为 HSN 台),加入右盘旋等待程序下降至修正海压高度 1200m,首次过台 10min 后退出等待程序。机组可根据通信失效前所获得的管制员发布的进场条件或获得的气象条件来确定,或自行选择落地跑道方向,并按照标准仪表进近程序着陆。

5.2 未收到管制进场航线指令的航空器,不得使用需经管制员许可的进场航线。

5.3 航空器在确定无线电通信失效后,已飞越起始进近定位点的航空器,按标准仪表进近程序着陆。

## 6. 目视飞行程序

6.1 等待:在机场上空按起落航线进行等待。

## 7. 目视飞行航线

无

## 8. 目视参考点

无

5.1 After determining the radio communication equipment is failure, landing aircraft keep last altitude and arrival route allocated by ATC, and fly to IAF( 'LA' for RWY18, 'HSN' for RWY36), then join the holding pattern to descend altitude to 1200m(QNH), exit the holding procedure after fly over the 'LA' or 'HSN' over 10mins since the first time. Aircrew may chose RWY for arrival according to the arrival and meteorologic conditions allocated by ATC, and land according to instrument approach procedure.

5.2 Aircraft cannot use the arrival route allocated by ATC, if not receive.

5.3 After confirm the Radio communication is failure, aircraft which has flown over the IAF shall land according to instrument approach procedure.

## 6. Procedures for VFR flights

6.1 Holding: follow the traffic circuits mentioned above.

## 7. VFR route

Nil

## 8. Visual reference point

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 list

ID	COORDINATES(WGS-84)	ID	COORDINATES(WGS-84)
BK	N2953.7E12120.0	ZS107	N294405 E1222913
HSN	N2955.9 E12221.8	ZS109	N295500 E1220000
PONAB	N3035.3 E12224.1	ZS203	N300713 E1222034
RULMU	N3015.0 E12223.0	ZS204	N300643 E1221422
ZS104	N294336 E1222302	ZS205	N300742 E1222647
ZS105	N294307 E1221652	ZS206	N295623 E1222757
ZS106	N295536 E1221130	ZS100	N295526 E1222148

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
RWY18 Departure PON-62X								
CF	ZS100		179					RNP1
CA			194	R	230			RNP1
CF	RULMU		018	R	1800	MAX333		RNP1
TF	PONAB							RNP1
RWY18 Departure BK-62X								
CF	ZS100		179					RNP1
CA			194	R	230			RNP1
DF	ZS106			R		MAX333		RNP1

TF	ZS109				2700 or by ATC			RNP1
TF	BK							RNP1
RWY36 Departure PON-61X								
CA			359		600			RNP1
DF	RULMU			R	1800 or by ATC	MAX380		RNP1
TF	PONAB							RNP1
RWY36 Departure BK-61X								
CA			359		600			RNP1
DF	ZS109			L	2700	MAX380		RNP1
TF	BK							RNP1
RWY36 Departure BK-63X								
CA			359		600			RNP1
DF	HSN			R		MAX380		RNP1
TF	ZS109				2700			RNP1
TF	BK							RNP1
RWY18 Arrival PON-52F								
IF	PONAB							RNP1
TF	RULMU				2400 or by ATC	MAX380		RNP1
RWY18 Arrival BK-52F								
IF	BK							RNP1
TF	ZS109				3000			RNP1
TF	HSN							RNP1
TF	ZS206				1500	MAX380		RNP1
RWY18 Arrival BK-54F(BY ATC)								
IF	BK							RNP1

TF	ZS109				3000			RNP1
TF	ZS204				1200	MAX380		RNP1
RWY18 transition PON-52F								
IF	RULMU				2400 or by ATC	MAX380		RNP1
TF	ZS203				↑800			RNP1
RWY18 transition BK-52F								
IF	ZS206				1500	MAX380		RNP1
TF	ZS205				1200			RNP1
TF	ZS203				↑800			RNP1
RWY18 transition BK-54F(BY ATC)								
IF	ZS204				1200	MAX380		RNP1
TF	ZS203				↑800			RNP1
RWY36 Arrival PON-51F								
IF	PONAB							RNP1
TF	RULMU				2400			RNP1
TF	ZS206				1500	MAX380		RNP1
RWY36 Arrival BK-51F								
IF	BK							RNP1
TF	ZS109				3000			RNP1
TF	HSN							RNP1
TF	ZS206				1500	MAX380		RNP1
RWY36 Arrival BK-53F(BY ATC)								
IF	BK							RNP1
TF	ZS109				3000			RNP1
TF	ZS105				1200	MAX380		RNP1
RWY36 transition PON-51F/BK-51F								

IF	ZS206				1500	MAX380		RNP1
TF	ZS107				1200			RNP1
TF	ZS104				↑700			RNP1
RWY36 transition BK-53F(BY ATC)								
IF	ZS105				1200	MAX380		RNP1
TF	ZS104				↑700			RNP1
RWY18 Holding (outbound time 1 minute)								
HM	ZS203	Y	179	L	by ATC	MAX400		RNP1
HM	ZS206	Y	359	R	1500	MAX400		RNP1
RWY36 Holding (outbound time 1 minute)								
HM	ZS206	Y	179	L	1500	MAX400		RNP1

**ZSZS AD 2.23 其它资料****ZSZS AD 2.23 Other information**

全年有鸟类活动,机场当局采取了驱赶措施,以减少  
鸟群活动。

Activities of bird flocks are found all the year round,  
Aerodrome Authority resorts to dispersal methods to  
reduce bird activities.