

ZGOW AD 2.1 机场地名代码和名称 Aerodrome location indicator(ICAO / IATA) and name

ZGOW/SWA-揭阳/潮汕 JIEYANG/Chaoshan

ZGOW 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	N23°33.2' E116°30.1' 224 MAG, 200m from RWY center
2	机场基准点与城市的位置关系 Direction and distance from city	087 °GEO, 13.8km from city center
3	机场标高、基准温度、低温均值 ELEV/Reference temperature/Mean low temperature	15.6 m/34.4°C(JUL)/12.1°C(JAN)
4	机场标高位置的大地水准面波幅 Geoid undulation at AD ELEV PSN	-
5	磁差（测量年份）及年变率 VAR(Year)/Annual change	3°32'W(2019)/-
6	机场管理部门、地址、电话、传真、AFS 地址、电子邮箱、网址 AD administration/Address/Telephone/Telefax/AFS/ E-mail/Website	Jieyang Chaoshan International Airport Group CO. Jieyang Chaoshan International Airport, Jieyang, Guangdong province, China Post code:515558 TEL:86-663-3820106 FAX:86-663-3820109
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

ZGOW AD 2.3 工作时间 Operational hours

1	机场开放时间 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	航空情报服务讲解室 AIS Briefing Office	H24
5	空中交通服务报告室 ATS Reporting Office	H24

6	气象服务讲解室 MET Briefing Office	H24
7	空中交通服务 Air Traffic Service	H24
8	加油服务 Fuelling	H24
9	地勤服务 Handling	H24
10	安保服务 Security	H24
11	除冰服务 De-icing	Nil
12	备注 Remarks	Nil

#### ZGOW 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 lift, baggage tractor, platform lorry, baggage pallet, baggage dolly, towing tractor, fork
2	燃油牌号 Fuel types	Nr.3 jet fuel
3	滑油牌号 Oil types	Nil
4	加油设施/能力 Fuelling facilities & Capacity	Refueling trucks(35000 litres, 20000 litres), hydrant dispenser: 20 litres/sec; pipe network of apron aircraft refueling wells
5	除冰设施 De-icing facilities	Nil
6	过站航空器机库 Hangar space for visiting aircraft	Nil
7	过站航空器的维修设施 Repair facilities for visiting aircraft	Line maintenance available for B737CL/ B737NG/ B757/ A320/ CRJ200
8	备注 Remarks	AC/DC power unit, ground power unit, double-barrelled air supply unit

#### ZGOW AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	At AD
2	餐馆 Restaurants	At AD

3	交通工具 Transportation	Passenger's coaches, taxis
4	医疗设施 Medical facilities	First-aid equipment at AD, hospital in the city
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

### ZGOW 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	Fire fighting facilities: rapid intervention vehicle, primary foam tender, heavy foam tender, demolition rescue truck, illumination truck, medicament reinforcement car, dry-chemical tender; Rescue equipment: mobile surface operation devices, general towing rack, lifting equipment, towing rack for B737CL/B737NG/B757/B767/A320/MD-82/MD-90/EMB-145/EMB-190/C RJ200; Medical facilities: ambulance, medical command vehicle
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	A330-200
4	备注 Remarks	Nil

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

1	可用季节及扫雪设备类型 Seasonal availability/Types of clearing equipment	All seasons Not applicable
2	扫雪顺序 Clearance priorities	Nil
3	备注 Remarks	Nil

ZGOW 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	道面 Surface	CONC
		强度 Strength	PCR 1120/R/A/W/T : Stands Nr.104, 105 PCR 1040/R/A/W/T : Stands Nr.106-108 PCR 1010/R/B/W/T : Stands Nr.127, 128 PCR 900/R/A/W/T : Stands Nr.606-609, 606L/R, 607L/R PCR 840/R/A/W/T : Stands Nr.98-103 PCR 830/R/A/W/T : Stands Nr.601-605 PCR 830/R/B/W/T : Stands Nr.124-126, 301-309 PCR 780/R/A/W/T : Stands Nr.109-123 PCR 780/R/B/W/T : Stands Nr.129-134
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	54m : J 48m : K 42m : F, L, P, Q 38m : E 37m : A2, A7 30m : A1, A8 28m : A5 27m : A3, A6 23m : A, B, M, N, S, T1 18m : Y1, Y2
		道面 Surface	ASPH : A3(0-210.1m east of RWY), A5(0-209.4m east of RWY), A6(0-210.1m east of RWY) CONC : A, A1, A2, A3(BTN 210.1m east of RWY & TWY A), A5(BTN 209.4m east of RWY & TWY A), A6(BTN 210.1m east of RWY & TWY A), A7, A8, B, E, F, J, K, L, M, N, P, Q, R, S, T1-T3, Y1-Y5
		强度 Strength	PCR 1730/F/B/X/T : A3(0-210.1m east of RWY), A5(0-209.4m east of RWY), A6(0-210.1m east of RWY) PCR 1050/R/A/W/T : E, J PCR 1030/R/B/W/T : P, Q PCR 1010/R/A/W/T : F PCR 960/R/A/W/T : A2 PCR 950/R/A/W/T : A7 PCR 920/R/B/W/T : A1, R PCR 910/R/A/W/T : Y1, Y2 PCR 880/R/A/W/T : B, T1 PCR 870/R/A/W/T : M, N, T3 PCR 860/R/B/W/T : S, Y5 PCR 850/R/A/W/T : T2, Y3, Y4 PCR 830/R/A/W/T : K, L PCR 770/R/A/W/T : A, A8

			PCR 720/R/A/W/T : A6(BTN 210.1m east of RWY & TWY A) PCR 710/R/B/W/T : A5(BTN 209.4m east of RWY & TWY A) PCR 700/R/A/W/T : A3(BTN 210.1m east of RWY & TWY A)
3	高度表校正点的位置及其标高 ACL location and elevation	Nil	
4	VOR 校正点 VOR checkpoints	Nil	
5	INS 校正点 INS checkpoints	Nil	
6	备注 Remarks	Nil	

ZGOW 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 TWY and RWY. Taxiing guidance signs at all holding positions. Aircraft stand identification sign boards at all stands. Guide lines at all TWYs. Guide lines at all aprons. Marshalling assistance for all aircraft stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	跑道标志 RWY markings	THR, RWY designation, edge line, RWY center line, TDZ, aiming point
		跑道灯光 RWY lights	RTHL, WBAR, REDL, RCLL, RENL
		滑行道标志 TWY markings	Edge line, center line, No-entry(A3, A5, A6), RWY holding position, intermediate holding position
		滑行道灯光 TWY lights	Edge line lights, center line lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	Runway guard lights	
4	其它跑道保护措施 Other runway protection measures	Nil	
5	备注 Remarks	reflect sticks BLUE apron edge line lights	

ZGOW AD 2.10 机场障碍物 Aerodrome obstacles

半径 15 千米内主要障碍物 Obstacles within a circle with a radius of 15km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
1	2	3	4	5	6
TRANSMISSION _LINE 001	TRANSMISSION _LINE	012/3200	64.5	LGT	RWY22 VOR/DME final approach
MT 002	MT	014/8879	250		
MT 003	MT	016/9092	275		Circling CAT C
MT 004	MT	018/10322	309		Circling CAT D
BLDG 005	BLDG	037/4279	47		RWY04 Departure RWY22 GP INOP final approach
TRANSMISSION _LINE 006	TRANSMISSION _LINE	040/3881	36.7	LGT	RWY04 Take-off path
TRANSMISSION _LINE 007	TRANSMISSION _LINE	042/3972	37.8	LGT	RWY04 Take-off path
TRANSMISSION _LINE 008	TRANSMISSION _LINE	047/3853	36.2	LGT	RWY04 Take-off path
MT 009	MT	060/8314	108.2		
Pole 010	Pole	064/2179	45	LGT	
Antenna 011	Antenna	077/6074	51.3	LGT	
Antenna 012	Antenna	125/2662	56.6	LGT	
MT 013	MT	135/7078	274		

半径 15 千米内主要障碍物

Obstacles within a circle with a radius of 15km centered on the ARP

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 014	MT	144/6915	483.2		RWY04 Arrival RWY22 Arrival
TOWER 015	TOWER	149/1480	81.6	LGT	
MT 016	MT	151/5776	256		
MT 017	MT	161/4096	128.2		
Control TWR 018	Control TWR	167/747	67.8	LGT	
MT 019	MT	169/8115	403		
MT 020	MT	176/7146	162		
MT 021	MT	180/6985	136		
MT 022	MT	183/1836	99.9		
MT 023	MT	196/2096	94		RWY04 VOR/DME final approach RWY22 ILS/DME final approach(missed approach climb gradient 2.5%)
Antenna 024	Antenna	202/5181	51.2	LGT	
MT 025	MT	210/14550	205		
Highway 026	Highway	215/6168	96.6		
Pole 027	Pole	218/4346	52.2	LGT	
Pole 028	Pole	223/5439	57		RWY04 GP INOP final approach

半径 15 千米内主要障碍物 Obstacles within a circle with a radius of 15km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
BLDG 029	BLDG	225/7500	115.6		RWY22 Take-off path
MT 030	MT	254/1502	70		
MT 031	MT	265/1927	85	LGT	
BLDG 032	BLDG	302/10721	143.1		
Pole 033	Pole	348/3470	128.9	LGT	Circling CAT A,B
半径 15 千米-50 千米内主要障碍物 Obstacles between two circles with the radius of 15km and 50km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 034	MT	007/24985	648		RWY04 Departure RWY22 PBN arrival
MT 035	MT	008/20667	380		RWY22 PBN arrival
MT 036	MT	009/23599	546		
MT 037	MT	018/40676	1497		Sector
MT 038	MT	026/36209	723		
MT 039	MT	027/45622	1162		



半径 15 千米-50 千米内主要障碍物 Obstacles between two circles with the radius of 15km and 50km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 040	MT	034/22942	337		RWY04 Departure RWY22 Intermediate approach, PBN initial approach
MT 041	MT	035/31683	580		RWY22 Initial approach
MT 042	MT	038/46308	1144		Minimum surveillance altitude sector Nr.1
MT 043	MT	040/24524	255		RWY22 PBN initial approach
MT 044	MT	041/33861	698		RWY22 Initial approach SDF
MT 045	MT	043/38395	1036		RWY04 Arrival RWY22 Arrival Sector
MT 046	MT	049/29244	533		
MT 047	MT	054/35444	889		RWY04 Departure RWY22 PBN arrival Sector(PBN) Minimum surveillance altitude sector Nr.2
MT 048	MT	055/25821	432		RWY22 Initial approach
MT 049	MT	055/33278	640		RWY22 PBN initial approach
MT 050	MT	060/25223	493		
MT 051	MT	109/49400	587		Minimum surveillance altitude sector Nr.3
MT 052	MT	161/34300	278		Minimum surveillance altitude sector Nr.4

半径 15 千米-50 千米内主要障碍物 Obstacles between two circles with the radius of 15km and 50km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 053	MT	215/54900	605		RWY04 Arrival RWY22 Arrival Minimum surveillance altitude sector Nr.5
MT 054	MT	216/16047	289		RWY22 Departure
MT 055	MT	223/21691	406		RWY22 PBN departure
MT 056	MT	224/22029	411		
MT 057	MT	231/22820	448		RWY04 Initial and intermediate approach RWY22 Departure
MT 058	MT	234/24361	382		RWY04 Initial approach
MT 059	MT	255/22343	330		RWY04 PBN arrival
MT 060	MT	300/122000	965		Minimum surveillance altitude sector Nr.6
MT 061	MT	312/22687	579		
MT 062	MT	319/54016	1042		RWY04 Holding RWY22 Holding
MT 063	MT	325/114000	833		Minimum surveillance altitude sector Nr.7
MT 064	MT	327/23276	942		
MT 065	MT	327/28956	1144		RWY04 PBN departure
MT 066	MT	328/26353	1065		RWY22 Holding

半径 15 千米-50 千米内主要障碍物 Obstacles between two circles with the radius of 15km and 50km centered on the ARP					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类 型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 067	MT	330/30356	1214		RWY22 Departure
MT 068	MT	332/33184	1286		RWY04 Arrival, holding RWY22 Arrival, initial approach SDF Minimum surveillance altitude sector Nr.8
MT 069	MT	336/70700	1050		Minimum surveillance altitude sector Nr.9
MT 070	MT	338/17340	596		RWY22 Initial approach
MT 071	MT	341/32510	802		RWY22 Initial approach SDF
MT 072	MT	351/70700	1559		RWY04 Holding RWY22 Holding Minimum surveillance altitude sector Nr.10
MT 073	MT	358/93800	1297		Minimum surveillance altitude sector Nr.11
Remarks:					

ZGOW AD 2.11 提供的气象情报、气象观测和报告

Meteorological information provided & meteorological observations and reports

提供的气象情报 Meteorological information provided		
1	相关气象台的名称 Associated MET Office	Shantou ATMB 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	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	Shantou ATMB MET Station;24h;6h

4	趋势预报及发布间隔 Trend forecast/Interval of issuance	trend 1h
5	所提供的讲解或咨询服务 Briefing/Consultation provided	Briefing provided: P, T
6	飞行文件及其使用语言 Flight documentation/Language(s) used	Chart, International MET Codes, Abbreviated Plain Language Text;Ch, En
7	讲解或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, upper W/T charts, significant weather charts, satellite and radar material,AWOS real-time data
8	提供气象情报的辅助设备 Supplementary equipment available for providing information	FAX, TEL, MET Service Terminal
9	提供气象情报的空中交通服务单位 ATS units provided with information	Flight Service Office, TWR
10	其他信息 Additional information	Nil
气象观测和报告 Meteorological observations and reports		
1	机场观测类型与频率、自动观测设备 Type & frequency of observation /Automatic observation equipment	Hourly plus special observation/Yes
2	气象报告类型及所包含的补充资料 Type of MET Report/Supplementary information included	METAR, SPECI
3	观测系统及安装位置 Observation system/Site(s)	RVR EQPT A: 120m W of RCL,382m inward THR04 B: 120m W of RCL,348m inward THR22 C: 120m W of RCL,1600m inward THR04 SFC wind sensors 04: 120m W of RCL,422m inward THR04 RWY center: 120m W of RCL,1610m inward THR04 22: 120m W of RCL,358m inward THR22 Ceilometer 04: 75m W of RCL,305m outward THR04 22: 60m W of RCL,305m outward THR22
4	观测系统的工作时间 Hours of operation for meteorological observation system	H24
5	气候资料 Climatological information	Climatological tables AVBL
6	其他信息	Nil

	Additional information	
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ZGOW AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 RWY Designator	真方位和 磁方位 TRUE & MAG BRG	跑道长宽 Dimensions of RWY(m)	跑道强度、跑道和停 止道道面 RWY strength/ Surface of RWY /SWY	跑道入口坐标、 跑道末端坐标、 跑道入口大地水 准面波幅 THR coordinates & RWY end coordinates & THR geoid undulation	跑道入口标高和 精密进近跑道接 地带最高标高 THR elevation & highest elevation of TDZ of precision APP RWY	跑道和停止道坡 度 Slope of RWY/SWY
1	2	3	4	5	6	7
04	040 °GEO 044 °MAG	3200×45	PCR 1730/F/B/X/T ASPH/-	Nil	THR 15.6m TDZ 15.6m	-0.75%(644m)/-0.6%(619m)/0%(673m)/-0.19%(864m)/-0.1%(400m)
22	220 °GEO 224 °MAG	3200×45	PCR 1730/F/B/X/T ASPH/-	Nil	THR 5.1m TDZ 5.1m	0.1%(400m)/0.19%(864m)/0%(673m)/0.6%(619m)/0.75%(644m)
跑道号码 RWY Designator	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	跑道端安全区 长宽 RESA dimensions (m)	拦阻系统的 位置及描述 Location & Description of arresting system	无障碍物区 OFZ
1	8	9	10	11	12	13
04	Nil	Nil	3320×300	240×150	Nil	Nil
22	Nil	Nil	3320×300	240×150	Nil	Nil
Remarks: Forced landing area is 3500m, parallel to RWY04/22, located at west of RWY04/22 and surface is soil. RWY shoulder: 7.5m for each side.						

ZGOW 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
04	3200	3200	3200	3200	Nil
04	3030	3030	3030	3200	FM A2
22	3200	3200	3200	3200	Nil

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
22	2800	2800	2800	3200	FM A7

ZGOW AD 2.14 进近和跑道灯光 Approach and runway lighting

跑道 号码 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 指示系统类 型、位置、仰 角、跑道入口 最低眼高 Type of VASIS/Position /Angle/MEHT	接地 带 灯长 度 TDZ LGT LEN	跑道中线灯长度、 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
04	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 474m inward THR04 3 ° 19.1m	Nil	3200 m spacing 30m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil
22	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI RIGHT 399m inward THR22 3 ° 19.9m	Nil	3200 m spacing 30m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil
Remarks:								

ZGOW AD 2.15 其它灯光,备份电源 Other lighting, secondary power supply

1	机场灯标或识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向标和风向标位置和灯光 LDI/ WDI location and LGT	WDI: 04: 97.5m W of RCL, 473.7m inward THR04, LGTD 22: 97.5m W of RCL, 399m inward THR22, LGTD
3	滑行道边灯和滑行道中线灯 TWY edge and center line lighting	All TWYs: green center line lights, blue edge line lights

4	备份电源及转换时间 Secondary power supply/Switch-over time	Dual feed, diesel engine driven generators/15 sec
5	备注 Remarks	Nil

ZGOW 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 TLOF and/or FATO elevation	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

ZGOW AD 2.17 空中交通服务空域 ATS airspace

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Chaoshan Control Zone	A circuit: 2 arcs with radius 13km centered at centers of both RWY THR's and 2 parallel lines of 13km from RWY centerline.	SFC-750m(QNH)				

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位 呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Chaoshan tower control area	A circuit: 2 arcs with radius 13km centered at centers of both RWY THRs and 2 parallel lines of 13km from RWY centerline.	SFC-750m(QNH)				
Altimeter setting region and TL/TA	N2342E11711-N2330E11730-N2300E11730-N2238E11622-N2305E11533-N2346E1161018-N2406E11515-N2434E1155230-N2422E11642-N2400E11658-N2342E11711	TL 3300(QNH≥980hPa) 3600(QNH<980hPa) TA 2700				

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

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星话音通信 号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
ATIS		126.65			H24	D-ATIS available
APP	Shantou Approach	120.65 (123.05)			H24	
TWR	Chaoshan Tower	118.35 (130.0)			H24	
GND	Chaoshan Ground	130.85				DCL available
EMG	Approach, Tower	121.5			HO	



ZGOW AD 2.19 无线电导航和着陆设施 Radio navigation and landing aids

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作 时间 Hours of operation	发射天线坐标 及相对位置 Coordinates of transmitting antenna/ Position	DME 发射 天线标高 Elevation of DME transmitting antenna	备注 Remarks
1	2	3	4	5	6	7
Niuling VOR/DME	JCS	116.6 MHz CH 113X	H24	N23°35.9' E116°24.7' 299 °MAG/10721m FM ARP	138 m	
Chaoshan VOR/DME	CSS	110.6 MHz CH 43X		N23°31.8' E116°29.0' 224 °MAG/3325m FM ARP	20 m	
LOC 04 ILS CAT I	IJY	109.3 MHz		044 °MAG/310m FM end RWY04		
GP 04		332.0 MHz		120m W of RCL, 364m inward THR04		Angle 3 °, RDH 15 m Coverage 18 km
DME 04	IJY	CH 30X (109.3 MHz)			17m	Co-located with GP 04
LOC 22 ILS CAT I	ICS	108.7 MHz		224 °MAG/295m FM end RWY22		Coverage 45 km Beyond 15NM and beyond -25 ° of front course U/S
GP 22		330.5 MHz		120m W of RCL, 309m inward THR22		
DME 22	ICS	CH 24X (108.7 MHz)			9m	Co-located with GP 22

ZGOW AD 2.20 本场规定

1. 机场使用规定

1.1 禁止未安装二次雷达应答机的航空器起降。

ZGOW AD 2.20 Local aerodrome regulations

1.Airport operations regulations

1.1 Take off/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.

1.3 本场最大机型限制为 A330-200。

1.3 Maximum aircraft to be available: A330-200 and equivalent.

## 2. 跑道和滑行道的使用

## 2. Use of runways and taxiways

2.1 禁止航空器在跑道、滑行道上做 180°转弯。

2.1 180° turnaround on RWY and TWY is forbidden for all aircraft.

2.2 地面滑行航空器原则上进港航空器应避让出港航空器。

2.2 For aircraft taxiing on ground, landing aircraft shall avoid departure aircraft.

2.3 落地航空器快速脱离跑道程序：

2.3 Landing aircraft rapid exiting procedure:

2.3.1 航空器在跑道落地后应使用就近顺向的快速脱离道快速（飞越跑道入口端至完全脱离跑道应在 50s 内）脱离跑道。

2.3.1 Landing aircraft shall use the nearest rapid exit taxiway to vacate the RWY within 50 seconds after flying over RWY THR;

2.3.2 如果航空器在落地前预计使用更长时间占用跑道，应提前通知塔台管制员；

2.3.2 If pilot predict that aircraft will use more time to occupy RWY before landing, they shall inform TWR Control in advance;

2.3.3 如果航空器落地后不能使用就近快速脱离道脱离跑道，应立即通知塔台管制员；

2.3.3 If aircraft can not use the nearest rapid exit taxiway to vacate RWY, pilot shall contact TWR Control immediately;

2.3.4 不能使用快速脱离跑道程序时，管制员应当提前通知航空器机组。

2.3.4 When rapid exiting procedure is U/S, controller shall inform pilot in advance.

2.4 航空器脱离跑道后必须尽早向塔台管制员报告脱离所使用的滑行道及位置。

2.4 Landing aircraft must report taxiway in use and location to TWR Control after vacating the RWY as soon as possible.

2.5 滑行道翼展限制：

2.5 Wingspan limits for taxiway:

滑行道编号/TWYs	滑行道翼展限制/ Wingspan limits for taxiway
A, A1, A2, A7, A8, B, E, F, J, K, L, M(west of T1), N(west of T1), P, Q, T1(north of M(inclusive), south of L(inclusive))	<65m
Y4	<52m
M(east of T1), T1(M-L) , T2, T3	<48m
N(east of T1), R, S, Y1-Y3, Y5	<36m

2.6 航空器在滑行道内滑行速度不得超过 50km/h，在障碍物附近滑行，速度应减到 15km/h 以下。牵引速度不得超过 10km/h。

2.6 Maximum taxiing speed for aircraft is 50 km/h, and maximum taxiing speed is 15 km/h nearby obstacles. Maximum towing speed is 10km/h.

2.7 非全跑道起飞运行规定

2.7 Partial runway take-off regulations

2.7.1 起飞航空器提出非全跑道起飞申请，在征得管制员同意后，方可实施。根据跑道实际运行情况，管制员在征得机组同意后，可实施非全跑道起飞管制程序。

2.7.1 It is available for flight crew to use partial runway to take-off when they get permission from ATC. And, in accordance with the runway actual operation situation, it is available for ATC to use partial runway to take-off when they get permission from the flight crew.

2.7.2 非全跑道起飞时，04 号跑道使用的默认道口为 A2；22 号跑道使用的默认道口为 A7。

2.7.2 When conducting partial runway take-off, the default TWY used for RWY 04 is A2 and the default TWY used for RWY 22 is A7.

2.7.3 机动区冲突多发地带位置参见 ZGOW AD2.24-1/2

2.7.3 Hot spots refer to ZGOW AD2.24-1/2

为减少运行差错，降低地面冲突事件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要求运行：

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

HS1 ： B 滑与 N 滑交叉区域

HS1 : INTERSECTION OF TWYs B & N

此区域为进离场航空器交叉道口，请加强观察，慢速滑行。

This area is the intersection of arrival and departure aircraft. Please pay more attention and taxi slowly.

HS2：B 滑与 Q 滑交叉区域

HS2：INTERSECTION OF TWYs B & Q

此区域为进离场航空器交叉道口，请加强观察，慢速滑行。

This area is the intersection of arrival and departure aircraft. Please pay more attention and taxi slowly.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 航空器由引导车引导进入停机位。

3.1 Aircraft shall follow the guidance of follow-me vehicle to taxi into the parking stands.

3.2 301-309 号机位为自滑机位，其它机位为自滑进顶推出机位；航空器有推出朝向要求时，可向塔台申请。

3.2 Aircraft taxi in or out on stands Nr.301-309 shall on own power, and taxi out on other stands shall pushed by tow truck; if aircraft have request for pushed direction, contact TWR Control.

3.3 航空器在得到推出开车许可后，应当在 5 分钟内完成推出开车，超过规定时限无法推出时，原有许可失效，航空器应重新申请。

3.3 The clearance of push-back and start-up issued by ATC shall be performed within 5 minutes, otherwise, the clearance will be cancelled automatically and a new clearance shall be applied.

3.4 由于塔台无法目视 119-126、129-134、301-309 停机位相关区域活动情况，航空器进出相应机位区域时应加强观察，防止地面碰撞事故发生。

3.4 Stands Nr.119-126, 129-134, 301-309 are in blind area for Control TWR, Aircraft in this area shall observe cautiously and avoid ground conflicts.

3.5 机位限制

3.5 Limits for aircraft parking on the following stands:

停机位/Stand	航空器翼展限制/ Wing span limits for aircraft	机身长度限制/ Fuselage limits for aircraft
Nr.104, 105, 127, 128, 606, 607	<65m	≤71m
Nr.119-122, 608, 609	≤48m	≤56m
Nr.98-103, 106-115, 118, 123-126, 129-134, 304-309, 606L/R, 607L/R	<36m	≤44.51m

Nr.117	<36m	≤42.1m
Nr.116	<36m	≤39.5m
Nr.301-303	<24m	≤30m

- 3.6 数字化放行系统（DCL）服务：

3.6.1 预计撤轮挡时间（EOBT）前 30min 至 10min，航空器驾驶员应当优先使用数字化放行系统（DCL）向塔台申请放行许可；

3.6.2 首次联系塔台时，完成 DCL 服务的机组必须向塔台复述放行许可内容；

3.6.3 当 DCL 无法完成放行许可的申请或发布时，将转为语音方式向塔台申请放行许可。
- 3.6 Departure clearance via data link (DCL) service

3.6.1 Within 10-30 minutes before Estimated Off-block Time (EOBT), pilot shall use DCL to apply for clearance from TWR in priority;

3.6.2 At the first contact with TWR, flight crew shall repeat the content of clearance to TWR after successful DCL service;

3.6.3 If the DCL service is not available, pilots shall contact TWR for verbal ATC clearance;
4. 低能见度运行

无
4. Low visibility operation

Nil
5. 直升机飞行限制，直升机停靠区

无
5. Helicopter operation restrictions and helicopter parking/docking area

Nil
6. 警告

6.1 进出本机场的航空器，严格保持航迹和高度，并听从 ATC 的指挥；

6.2 防止将机场周边公路误认为跑道。
6. Warning

6.1 The departing and landing aircraft shall strictly keep the flight track and altitudes, and follow ATC instructions;

6.2 Do not mistake the road nearby airport for RWY.

ZGOW AD 2.21 减噪程序

无

ZGOW AD 2.21 Noise abatement procedures

Nil

ZGOW AD 2.22 飞行程序

ZGOW AD 2.22 Flight procedures

1. 总则

除经汕头进近或潮汕塔台特殊许可外，在汕头进近或潮汕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

起落航线及目视盘旋只准在跑道西侧进行。起落航线高度：300-500m。
3. 仪表飞行程序

严格按照航图中公布的进、离场和进近程序的有关规定飞行。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。
4. 雷达程序和/或 ADS-B 程序

4.1 汕头进近管制区内实施雷达管制，对经雷达识别的航空器提供雷达间隔、雷达监视和雷达引导服务。雷达引导可能不同于公布的飞行程序。

4.2 最低监视引导高度扇区
1. General

Flights within Shantou Approach control Area and Chaoshan Tower Control Area shall operate under IFR unless special clearance has been obtained from Shantou Approach control and Chaoshan Tower Control.
2. Traffic circuits

Traffic circuits and circling can be only made to the west of runway. Altitudes of traffic circuits: 300-500m.
3. IFR flight procedures

Strict adherence is required to the relevant arrival/departure procedures and approach procedures published in the aeronautical charts. If necessary, hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.
4. Radar procedures and/or ADS-B procedures

4.1 Radar control has been implemented within Shantou APP; and provide such as radar separating, radar surveillance and radar vectoring to radar-identified aircraft, radar vectoring will be different with published flight procedures.

4.2 Surveillance Minimum Altitude Sectors

Sector 1	ALT limit: 1500m or above
N240433E1165439-N234200E1171100-N235130E1165202-N234725E1164805-N234550E1164555-N234550E1164300-N234832E1163900-N235249E1164311-N240433E1165439	
Sector 2	ALT limit: 1200m or above

N234536E1165313-N234032E1164738-N234048E1164310-N234725E1163800-N233754E1162636-N233749E1162230-N234052E1162716-N234800E1162727-N235138E1163100-N234922E1163441-N234832E1163900-N234550E1164300-N234550E1164555-N234725E1164805-N235130E1165202-N234536E1165313	
Sector 3	ALT limit: 900m or above
N233000E1173000-N231943E1170915-N232245E1165400-N232730E1165250-N233030E1165700-N233120E1170350-N233800E1170000-N233210E1165100-N233751E1163751-N233630E1163640-N232700E1164321-N232200E1164030-N232325E1163050-N231905E1163645-N230300E1163600-N225411E1162744-N224649E1160600-N225810E1154524-N230107E1161000-N230200E1161800-N230946E1161945-N231617E1161515-N231900E1160750-N231614E1155848-N232840E1160104-N233958E1161436-N233749E1162230-N233754E1162636-N234725E1163800-N234048E1164310-N234032E1164738-N234536E1165313-N235130E1165202-N234200E1171100-N233000E1173000	
Sector 4	ALT limit: 600m or above
N230000E1173000-N223800E1162200-N224649E1160600-N225411E1162744-N230300E1163600-N231905E1163645-N232325E1163050-N232200E1164030-N232700E1164321-N233630E1163640-N233751E1163751-N233210E1165100-N233800E1170000-N233120E1170350-N233030E1165700-N232730E1165250-N232245E1165400-N231943E1170915-N233000E1173000- N230000E1173000	
Sector 5	ALT limit: 1200m or above
N231617E1161515-N230946E1161945-N230200E1161800-N230107E1161000- N231617E1161515	
Sector 6	ALT limit: 1500m or above
N243400E1155230-N242646E1155230-N241400E1152700-N235836E1153528-N240600E1151500-N243400E1155230	
Sector 7	ALT limit: 1200m or above
N242749E1161800-N242105E1161800-N241948E1161334-N241820E1160830-N241431E1160447-N241004E1160522-N235208E1155320-N235836E1153528-N241400E1152700-N242646E1155230-N243400E1155230-N242749E1161800	
Sector 8	ALT limit: 1800m or above
N235754E1160613-N235616E1161030-N235000E1161400-N235310E1162100-N234936E1162500-N234530E116	

2450-N234200E1161830-N234254E1161500-N234600E1161018-N235208E1155320-N235754E1160613	
Sector 9	ALT limit: 1500m or above
N241419E1161128-N240748E1161200-N240408E1161748-N240408E1162844-N235138E1163100-N234800E1162727-N234052E1162716-N233749E1162230-N233958E1161436-N232840E1160104-N231614E1155848-N231900E1160750-N231617E1161515-N230107E1161000-N225810E1154524-N230500E1153300-N231904E1154515-N234600E1161018-N234254E1161500-N234200E1161830-N234530E1162450-N234936E1162500-N235310E1162100-N235000E1161400-N235616E1161030-N235754E1160613-N235208E1155320-N241004E1160522-N241431E1160447-N241820E1160830-N241948E1161334-N241419E1161128	
Sector 10	ALT limit: 2100m or above
N241700E1161800-N241700E1162015-N235249E1164311-N234832E1163900-N234922E1163441-N235138E1163100-N240408E1162844-N240408E1161748-N240748E1161200-N241700E1161800	
Sector 11	ALT limit: 1800m or above
N242200E1164200-N240433E1165439-N235249E1164311-N241700E1162015-N241700E1161800-N240748E1161200-N241419E1161128-N241948E1161334-N242105E1161800-N242749E1161800-N242200E1164200	

5. 无线电通信失效程序

参见 AIP GEN3.4.5 中的仪表飞行规则航空器地空双向无线电通信失效通用程序。

5. Radio communication failure procedures

Refer to AIP GEN3.4.5 general procedures for aircraft under instrument flight rule with air-ground two-way radio communication failure.

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. 其它规定

无

8. Other regulations

Nil



**ZGOW AD 2.23 其它资料****鸟情资料**

常见危险鸟种有池鹭、白鹭、苍鹭、中白鹭、牛背鹭、夜鹭、家鸽、山斑鸠、中华鹧鸪、台湾竹鸡、红腹锦鸡、褐翅鸦鹃、噪鹛、黑水鸡、丘鹬、中杓鹬、白腰杓鹬、黑翅鸢、短耳鸮、草鸮、红隼、游隼、喜鹊等。揭阳潮汕机场地处鸟类迁徙路线，迁徙方向主要为春季由南向北迁徙、秋季由北向南迁徙。揭阳潮汕机场主要驱鸟设施有驱鸟车、拦鸟网、煤气炮、太阳能高音喇叭驱鸟器、围界广播、手持式扩音器、超声波驱鸟器、风力驱鸟器、稻草人、模型鹰等。

**ZGOW AD 2.23 Other information****Bird's information**

Common species of dangerous birds at Jieyang Chaoshan International Airport include *Ardeola bacchus*, *Egretta garzetta*, *Ardea cinerea*, *Ardea intermedia*, *Bubulcus ibis*, *Nycticorax nycticorax*, *Columba livia domestica*, *Streptopelia*, *Francolinus*, *Bambusicola sonorivox*, *Chrysolophus pictus*, *Centropus sinensis*, *Eudynamys scolopacea*, *Gallinula chloropus*, *Scolopax rusticola*, *Numenius phaeopus*, *Numenius arquata*, *Elanus caeruleus*, *Asio flammeus*, *Tyto longimembris*, *Falco tinnunculus*, *Falco peregrinus*, *Pica pica*, etc.

Jieyang Chaoshan International Airport is located in the bird migration route, the migration direction is mainly from south to north in spring and from north to south in autumn. Jieyang Chaoshan International Airport's main bird repellent facilities are anti-birds instrument, anti-bird netting, gas cannon, solar loudspeaker, perimeter broadcast, hand-held loudspeaker, ultrasonic driving-bird device, wind-driving bird device, scarecrow, model eagle and so on.