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

ZGOW-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′ Center of RWY
2	方向、距离 Direction and distance from city	087° GEO, 13.8km from city center
3	标高 / 参考气温 Elevation/Reference temperature	16m / 33.9° C(JUL)
4	机场标高位置 / 高程异常 AD ELEV PSN/ geoid undulation	-/-
5	磁差 / 年变率 MAG VAR/Annual change	3° W(2011)/-
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	Jieyang Chaoshan International Airport Group CO. Jieyang Chaoshan International Airport, Jieyang, Guangdong province, China, 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/4D
9	备注 Remarks	Nil

ZGOW AD 2.3 工作时间 Operational hours

1	机场当局 (机场开放时间) AD Administration (AD operational hours)	H24
2	海关和移民 Customs and immigration	H24
3	卫生健康部门 Health and sanitation	H24
4	航行情报服务讲解室 AIS Briefing Office	H24
5	空中交通服务报告室 ATS Reporting Office (ARO)	H24
6	气象讲解室 MET Briefing Office	H24
7	空中交通服务 ATS	H24
8	加油 Fuelling	H24
9	地勤服务 Handling	H24
10	保安 Security	H24

11	除冰 De-icing	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 / 滑油牌号 Fuel/oil types	Nr.3 jet fuel/--
3	加油设施 / 能力 Fuelling facilities/capacity	Refueling trucks(65000 litres, 47000 litres, 20000 litres) 17 litres/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	Line maintenance available for B737CL/ B737NG/ B757/ A320/ CRJ200
7	备注 Remarks	Nil

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, foam tender, water tank truck, demolition rescue truck, medicament reinforcement car; Rescue equipment: mobile surface operation devices, towing rack for B737CL/B737NG/B757/A320/MD-82/MD-90/EMB-145/CRJ200

3	搬移受损航空器的能力 Capability for removal of disabled aircraft	Nil
4	备注 Remarks	Nil

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

1	扫雪设备类型 Types of clearing equipment	All seasons 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	Surface:	Cement concrete
		Strength:	PCN 90/R/B/W/T(stands Nr.201-204) PCN 76/R/B/W/T(stands Nr.108-124,123L/R) PCN 72/R/B/W/T(stands Nr.601-605)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	38 m: E; 37m: A2, A7; 30m: A1; 28m: A5; 27m: A3, A6; 23m: A, B, L, M, N, T1; 18m:K
		Surface:	Cement concrete
		Strength:	PCN 90/R/B/W/T (A, A1, A2, A7, B, E, K, L, M, N, T1) PCN 76/R/B/W/T (A3, A6) PCN 66/R/B/W/T (A5)
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	

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 / 停放位置引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance marking at all intersections of TWY and RWY and at all holding positions. Guide lines at all TWYs and apron. Aircraft stand identification sign board at apron. Marshaller is available at stand.

2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	RWY designation, TDZ, THR, center line, edge line, aiming point
		RWY lights	Center line, edge line, THR, wing bar, RWY end
		TWY markings	Center line, holding positions, edge line
		TWY lights	Edge line, center line, guard light, reflect sticks
3	停止排灯 Stop bars	Nil	
4	备注 Remarks	Blue apron edge lights	

ZGOW AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on the 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**
1	*TWR	012	3200	64.5	RWY22 VOR/DME
2	MT	015	9092	275	
3	MT	017	10322	309	Circling
4	*TWR	030	3500	42.4	RWY22 GP INOP
5	BLDG	036	4279	47	RWY04 Departure
6	*TWR	039	3881	36.7	RWY04 Take-off path
7	*TWR	041	3972	37.8	RWY04 Take-off path
8	*TWR	046	3853	36.2	RWY04 Take-off path
9	MT	059	8314	108.2	
10	*Pole	063	2179	45	
11	*TWR	076	6074	51.3	
12	*TWR	124	2662	56.6	
13	MT	134	7078	274	
14	MT	145	4849	483.2	
15	*TWR	148	1480	81.6	
16	MT	150	5776	256	
17	MT	160	4096	128.2	
18	*Control TWR	166	747	67.8	
19	MT	168	8115	403	
20	MT	175	7146	162	

Obstacles within a circle with a radius of 15km centered on the 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
21	MT	179	6985	136	
22	MT	182	1836	99.9	
23	MT	195	2096	94	
24	*TWR	196	4160	50.2	RWY04 VOR/DME
25	*TWR	201	5181	51.2	
26	MT	209	14550	205	
27	Highway	214	6168	96.6	
28	*Pole	217	4346	52.2	
29	Pole	222	5439	57	
30	BLDG	224	7500	115.6	RWY04 GP INOP RWY22 Take-off path
31	MT	253	1502	70	
32	*MT	264	1927	85	
33	BLDG	301	10721	143.1	
34	*Lightening rod	347	3470	128.9	Circling
Remarks:					

Obstacles between two circles with the radius of 15km and 50km centered on the 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
1	MT	006	24985	648	RWY04 TEBON-09D
2	MT	008	23599	546	
3	MT	017	40676	1497	
4	MT	024	21706	304	RWY22 Intermediate approach
5	MT	025	36209	723	
6	MT	026	45622	1162	
7	MT	033	22942	337	
8	MT	034	31683	580	RWY22 Initial approach
9	MT	037	46308	1144	Minimum surveillance altitude sector Nr.1
10	MT	042	38395	1036	
11	MT	042	36317	792	RWY22 Initial approach
12	MT	048	29244	533	

Obstacles between two circles with the radius of 15km and 50km centered on the 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
13	MT	053	35444	889	RWY04 TEBON-09D, Minimum surveillance altitude sector Nr.2
14	MT	054	33278	640	
15	MT	059	25223	493	
16	MT	108	49400	587	Minimum surveillance altitude sector Nr.3
17	MT	160	34300	278	Minimum surveillance altitude sector Nr.4
18	MT	214	54900	605	Minimum surveillance altitude sector Nr.5
19	MT	215	16047	289	
20	MT	222	21691	406	RWY22 DOTMI-18D
21	MT	223	22029	411	RWY04 Intermediate approach
22	MT	230	22820	448	
23	MT	237	37100	489	
24	MT	299	122000	965	Minimum surveillance altitude sector Nr.6
25	MT	311	22687	579	
26	MT	324	114000	833	Minimum surveillance altitude sector Nr.7
27	MT	326	28956	1144	RWY04 Initial approach
28	MT	326	23276	942	
29	MT	327	26353	1065	RWY04 Holding RWY22 Holding
30	MT	329	21115	853	RWY04 TEBON-02D
31	MT	331	33184	1286	Minimum surveillance altitude sector Nr.8
32	MT	335	70700	1050	Minimum surveillance altitude sector Nr.9
33	MT	337	17340	596	
34	MT	350	70700	1559	Minimum surveillance altitude sector Nr.10
35	MT	357	93800	1297	Minimum surveillance altitude sector Nr.11
Remark: Nil					

ZGOW AD 2.11 提供的气象信息、机场观测与报告

Meteorological information provided & aerodrome observations and reports

1	相关气象室的名称 Associated MET Office	Jieyang/Chaoshan Aerodrome MET Office
2	气象服务时间、服务时间以外的责任气象室 Hours of service, MET Office outside hours	H24 --
3	负责编发 TAF 的办公室 ; 有效期 Office responsible for TAF preparation,Periods of validity	Jieyang/Chaoshan Aerodrome MET Office 9 HR, 24 HR
4	着陆预报类型、发布间隔 Type of landing forecast, Interval of issuance	Trend 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, upper W/T charts, significant weather charts, satellite and radar material,AWOS real-time data
8	提供信息的辅助设备 Supplementary equipment available for providing information	FAX, MET Service Terminal
9	接收气象信息的空中交通服务单位 ATS units provided with information	TWR, ATS 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,TEND
12	观测系统及位置 Observation System & Site(s)	SFC wind sensors: RWY 04: 120m W of RCL, 422m inward THR; RWY 22: 120m W of RCL, 358m inward THR; RWY center: 120m W of RCL, 1410m inward THR04 RVR EQPT: A: 120m W of RCL, 382m inward THR04; B: 120m W of RCL, 348m inward THR22; C: 120m W of RCL, 1400m inward THR04 Ceilometer: RWY 04: 305m outward THR, 75m W of RCL; RWY 22: 305m outward THR, 60m W of RCL
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

ZGOW AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 Designations RWY NR	真方位和磁方位 TRUE & MAG BRG	跑道长宽 Dimensions of RWY (m)	跑道强度 (PCN), 跑道道面 / 停止道道面 RWY strength (PCN), RWY surface/SWY surface	着陆入口坐标及高程异常 THR coordinates and geoid undulation	跑道着陆入口标高，精密进近跑道接地地带最高标高 THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
04	040° GEO 043° MAG	2800 × 45	82/F/B/X/T (other part) Asphalt /Asphalt 90/F/B/X/T (500m inward THR04/22) Asphalt	Nil	THR 15.6 TDZ 15.6
22	220° GEO 223° MAG	2800 × 45	82/F/B/X/T (other part) Asphalt / Concrete 90/F/B/X/T (500m inward THR04/22) Asphalt	Nil	THR 5.5 TDZ 5.5
跑道 - 停止道坡度 Slope of RWY-SWY	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	无障碍物地带 OFZ	跑道端安全区长宽 RWY end safety area dimensions (m)
7	8	9	10	11	12
See AOC	60 × 60	Nil	3040 × 300	Nil	Nil
See AOC	60 × 60	Nil	3040 × 300	Nil	Nil
Remarks: Forced landing area is 3500m, parallel to RWY04/22, located at west of RWY04/22 and suface is soil. RWY shoulder: 7.5m for each side.					

ZGOW AD 2.13 公布距离 Declared distances

跑道代号 RWY Designator	可用起飞滑跑距离 TORA (m)	可用起飞距离 TODA (m)	可用加速停止距离 ASDA (m)	可用着陆距离 LDA (m)	备注 Remarks
04	2800	2800	2860	2800	Nil
04	2630	2630	2690	2800	Enter FM A2
22	2800	2800	2860	2800	Nil
Remarks:					

ZGOW 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
04	PALS CAT I 900m* LIH	Green Yes	PAPI Left/3°	Nil	2800m** spacing 30m	2800m*** spacing 60m	Red	Nil
22	PALS CAT I 900m* LIH	Green Yes	PAPI Left/3°	Nil	2800m** spacing 30m	2800m*** spacing 60m	Red	Nil
Remarks: * SFL **0-1900m White VRB LIH, 1900-2500m Red/White VRB LIH, 2500m-2800m Red VRB LIH *** 0-2200m White VRB LIH, 2200-2800m Yellow VRB LIH								

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

1	机场灯标 / 识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向指示器位置和灯光 ; 风速表位置和灯光 LDI location and LGT, Anemometer location and LGT	WDI 04:112m E of RCL, 300m inward THR04, LGTD; WDI 22:112m E of RCL, 300m inward THR22, LGTD.
3	滑行道边灯和中心线灯光 TWY edge and center line lighting	All TWYs
4	备份电源 / 转换时间 Secondary power supply/switch-over time	Dual feed, diesel engine driven generators/14 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 入口坐标及高程异常 Coordinates TLOF or THR of FATO Geoid undulation	Nil
2	TLOF 和 / 或 FATO 标高 (m) TLOF and/or FATO elevation (m)	Nil
3	TLOF 和 FATO 区域范围、道面、强度和标志 TLOF and FATO area dimensions,surface, strength, marking	Nil
4	FATO 的真方位和磁方位 True and MAG BRG of FATO	Nil
5	公布距离 Declared distance available	Nil
6	进近灯光和 FATO 灯光 APP and FATO lighting	Nil
7	备注 Remarks	Nil

ZGOW AD 2.17 空中交通服务空域 ATS airspace

名称 Designation	横向界限 Lateral limits	垂直界限 Vertical limits	备注 Remarks
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)	Nil
Alitmeter setting region and TL/TA	N2342E11711- N2330E11730- N2300E11730- N2238E11622- N2305E11533- N2346E1161018- N2406E11515- N2434E1155230- N2426E11622- N2400E11658- N2342E11711	TL 3300(QNH ⩾ 980hpa) 3600(QNH < 980hpa) TA 2700	Nil

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 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5
ATIS		126.65	H24	Nil
APP	Shantou Approach	120.65 (123.05) ZGOWAP	H24	With ATC clearance, visual separation is implemented.
TWR	Chaoshan Tower	118.35(130.0)	H24	Nil
GND	Chaoshan Ground	130.85		Nil
EMG	Approach, Tower	121.50	HO	Nil

ZGOW 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
Chaoshan VOR/DME	CSS	110.6MHz CH 43X	23° 31.8′ 116° 29.0′	20m	
Niuling VOR/DME	JCS	116.6MHz CH 113X	N23° 35.9′ E116° 24.7′	138m	
LOC 04 ILS CAT I	IJY	109.3MHz	043° MAG/ 295m FM end RWY04		Coverage 45 km BTN 17NM & 25NM, beyond +5° of front course U/S
GP 04		332.0MHz	120m W of RCL, 364m inward THR04		Angle 3° RDH 15m Coverage 18 km
DME 04	IJY	CH 30X (109.3MHz)		17m	Co-located with GP04
LOC 22 ILS CAT I	ICS	108.7MHz	223° MAG/ 295m FM end RWY22		Coverage 45 km Beyond 15NM and beyond -25° of front course U/S
GP 22		330.5MHz	120m W of RCL, 301m inward THR22		Angle 3° RDH 15m Coverage 18 km

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
DME 22	ICS	CH 24X (108.7MHz)		10m	Co-located with GP22
Remarks:					

ZGOW AD 2.20 本场飞行规定

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。

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。

1.3 本场最大机型限制为B767-300ER。

2. 跑道和滑行道的使用

2.1 禁止航空器在跑道、滑行道上做 180° 转弯。

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。

2.3 落地航空器快速脱离跑道程序:

2.3.1 航空器在落地后应使用就近顺向的快速脱离道脱离跑道（飞越跑道入口端至完全脱离跑道应在50秒内）;

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;

2.3.3 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;

2.3.4 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。

2.4 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。

2.5 滑行道翼展限制:

2.5.1 滑行道及站坪上运行最大机型限制为 D 类（含）及以下;

2.5.2 D类航空器禁止进入T1与T2之间的K滑行道。

ZGOW AD 2.20 Local traffic regulations

1. Airport operations regulations

1.1 Take off/landing of aircraft without SSR transponder are forbidden.

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 Maximum aircraft to be available: B767-300ER and equivalent.

2. Use of runways and taxiways

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

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

2.3 Landing aircraft rapid exiting procedure:

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

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

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

2.5 Wingspan limits for taxiway:

2.5.1 Maximum aircraft to be available on taxiway and aprons: CAT D aircraft and equivalent;

2.5.2 CAT D aircraft taxiing on TWY K (between TWY T1 and TWY T2) is forbidden.

2.6 航空器在滑行道内滑行速度不得超过50千米/小时，在障碍物附近滑行，速度应减到 15 千米/小时以下。牵引速度不得超过 10千米/小时。

2.7 非全跑道起飞运行规定

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。

2.7.2 非全跑道起飞时，使用的默认道口为A2。

2.8 机动区冲突多发地带位置参见 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:

HS1：A滑与A2滑交叉区域

当A2滑上有航空器等待时，禁止航空器从HS1区域通过。

HS2：A滑与K滑交叉区域

此区域为进离场航空器交叉道口，请加强观察，慢速滑行。

HS3：A滑与M滑交叉区域

此区域为进离场航空器交叉道口，请加强观察，慢速滑行。

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 Partial runway take-off regulations

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 The default TWY used for partial runway take-off is A2.

2.8 Hot spot refer to ZGOW AD2.24-1/2

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: INTERSECTION OF TWYs A AND A2

Taxiing through HS1 is forbidden while aircraft is holding at TWY A2.

HS2: INTERSECTION OF TWYs A AND K

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

HS3: INTERSECTION OF TWYs A AND M

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

3.1 航空器由引导车引导进入停机位。

3.2 201-204,123L/R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。

3.3 离场航空器应当不迟于预计关舱门 10 分钟前联系塔台管制室，申请放行许可。

3.4 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. Use of aprons and parking stands

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

3.2 Aircraft taxi in or out on stands Nr. 201-204, 123L/R 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 Departing aircraft shall contact TWR Control for delivery clearance 10 minutes prior to the cabin door closed.

3.4 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.

3.5 119-124号机位为塔台目视盲区，以上机位的航空器推出开车时应采取以下方式之一，并在到达指定位置时向管制员报告:

3.5.1 牵引车顶推至塔台能目视的指定位置;
3.5.2 推出开车后由引导车引导至塔台能目视的指定位置;
3.5.3 开车后按照地面机务指令滑行至塔台能目视的指定位置。
3.6 机场运行期间，航空器试车需经塔台同意后在指定位置进行，并在塔台频率上保持长守；大功率试车应当在指定的时间段内进行。

3.5 Stands Nr. 119-124 is blind area for Control TWR, aircraft parking stands Nr.119-124 shall use one of the following ways to push-back and start-up, and inform ATC when reaching the designated location:

3.5.1 Pushed by towing truck to the designated location;

3.5.2 After push-back and start-up, follow the guidance of follow-me vehicle to the designated location;

3.5.3 Follow the instruction of GND maintenance to the designated location.

3.6 During airport is open, engine run-ups at designated location are subject to Control TWR clearance, and keep on the TWR frequence; fast engine run-ups shall be carried out in a designated time period.

3.7 航空器进出停机位的滑行限制 /limit for aircraft entering/exiting stands:

停机位 / Stand	进入滑行道 / Enter into stand by	滑出滑行道 / Exit stand by
201-204	L	K
108-114	L	T2, K
115-116	L	T1, K
117	L	T1, M
118-124,123L/R	N	M

3.8 机位限制 /Limits for aircraft parking on the following stands:

停机位 /Stands	航空器翼展限制 / Wing span limits for aircraft
Nr. 115, 119-123	⩽ 48m
Nr. 108-114, 116-118, 124, 201-203	⩽ 36m
Nr. 204 , 123L/R	<24m

4. 进、离场管制规定

无

4. Air traffic control regulations

Nil

5. 机场的 II/III 类运行

无

5. CAT II/III operations at AD

Nil

6. 除冰规则

无

6. Rules for deicing

Nil

7. 平行跑道同时仪表运行

无

7. Simultaneous operations on parallel runways

Nil

8. 警告

8.1 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;

8.2 防止将机场周边公路误认为跑道。

8. Warning

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

8.2 Do not mistake the road nearby airport for RWY.

9. 直升机飞行限制，直升机停靠区

无

9. Helicopter operation restrictions and helicopter parking/docking area

Nil

ZGOW AD 2.21 噪音限制规定及减噪程序

ZGOW AD 2.21 Noise restrictions and Noise abatement procedures

无

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。

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. 起落航线

2.1 起落航线及目视盘旋只准在跑道西侧进行;

2.2 起落航线高度: A、B 类航空器300米，C、D 类航空器 500-600米。

2. Traffic circuits

2.1 Traffic circuits and circling can be only made to the west of runway;

2.2 Altitudes of traffic circuits: 300m for aircraft CAT A/B, 500-600m 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。

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. 雷达程序和 / 或 ADS-B 程序

4. Radar procedures and/or ADS-B procedures

4.1 汕头进近管制区内实施雷达管制，航空器最小水平间隔为 6 千米。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。

4.1 Radar control has been implemented within Shantou APP, the minimum horizontal radar separation is 6km; 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 最低监视引导高度扇区

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-N234530E1162450-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

无

5. Radio communication failure procedures

Nil

6. 目视飞行程序

无

6. Procedures for VFR flights

Nil

7. 目视飞行航线

无

7. VFR route

Nil

8. 目视参考点

无

8. Visual reference point

Nil

9. 其它规定

无

9. Other regulations

Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

Waypoint list

ID	COORDINATES(WGS-84)	ID	COORDINATES(WGS-84)
OW452	N231423E1161848	OW566	N234416E1164155
OW453	N232346E1162142	OW567	N234558E1164455
OW454	N232725E1161659	DOTMI	N2243.1E11610.1
OW503	N232312E1162111	SAPUT	N2354.4E11702.0
OW552	N234227E1163842	DABER	N2408.6E11651.7
OW556	N234606E1163358	TEBON	N2408.3E11730.1
OW558	N235832E1162539	VETIB	N2409.6E11626.2
OW562	N235122E1162519	SWA	N2326.4E11646.0
OW565	N234315E1163927	JCS	N2335.9E11624.7

RWY04 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-08D (by ATC)								
CA			043		350			RNP1
DF	OW565					MAX380		RNP1

TF	SAPUT							RNP1
TF	TEBON							RNP1
TEBON-09D								
CA			043		350			RNP1
CF	OW562		320	L		MAX380		RNP1
TF	VETIB							RNP1
TF	DABER							RNP1
TF	TEBON							RNP1
DOTMI-08D (by ATC)								
CA			043		350			RNP1
DF	JCS			L		MAX380		RNP1
TF	OW452							RNP1
TF	DOTMI							RNP1
SWA-08D (by ATC)								
CA			043		350			RNP1
DF	JCS			L		MAX380		RNP1
TF	SWA							RNP1

RWY22 SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-18D (by ATC)								
CA			223		300			RNP1
DF	JCS			R		MAX380		RNP1
TF	SAPUT							RNP1
TF	TEBON							RNP1
TEBON-19D								
CA			223		300			RNP1
DF	JCS			R		MAX380		RNP1
TF	VETIB							RNP1
TF	DABER							RNP1
TF	TEBON							
DOTMI-18D (by ATC)								
CA			223		300			RNP1
DF	OW503					MAX380		RNP1
TF	DOTMI							RNP1
SWA-18D (by ATC)								
CA			223		300			RNP1
DF	JCS			R		MAX380		RNP1
TF	SWA							RNP1

RWY04 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-09A								
IF	TEBON							RNP1
TF	DABER							RNP1
TF	VETIB							RNP1
TF	OW558				↑ 2700			RNP1
TF	OW562				↑ 2100			RNP1
TF	JCS				↑ 1800			RNP1
TF	OW454				1200	MAX380		RNP1
TEBON-08A(by ATC)								
IF	TEBON							RNP1
TF	SAPUT							RNP1
TF	JCS				↑ 1800			RNP1
TF	OW454				1200	MAX380		RNP1
DOTMI-08A (by ATC)								
IF	DOTMI							RNP1
TF	OW452				1200	MAX380		RNP1
SWA-08A (by ATC)								
IF	SWA							RNP1
TF	JCS				↑ 1800			RNP1
TF	OW454				1200	MAX380		RNP1

RWY22 STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-19A								
IF	TEBON							RNP1
TF	DABER							RNP1
TF	VETIB							RNP1
TF	OW558				↑ 2700			RNP1
TF	OW562				↑ 2100			RNP1
TF	OW556				1500	MAX380		RNP1
TEBON-18A (by ATC)								
IF	TEBON							RNP1
TF	SAPUT							RNP1
TF	OW567				↑ 1500	MAX380		RNP1
DOTMI-18A (by ATC)								
IF	DOTMI							RNP1
TF	JCS				↑ 1800			RNP1

TF	OW556				1500	MAX380		RNP1
SWA-18A (by ATC)								
IF	SWA							RNP1
TF	JCS				↑ 1800			RNP1
TF	OW556				1500	MAX380		RNP1

RWY04 Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-09A,TEBON-08A(by ATC),SWA-08A(by ATC)								
IF	OW454				1200	MAX380		RNP1
TF	OW453				800			RNP1
DOTMI-08A(by ATC)								
IF	OW452				1200	MAX380		RNP1
TF	OW453				800			RNP1

RWY22 Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
TEBON-19A,DOTMI-18A(by ATC),SWA-18A(by ATC)								
IF	OW556				1500	MAX380		RNP1
TF	OW552				900			RNP1
TEBON-18A(by ATC)								
IF	OW567				↑ 1500	MAX380		RNP1
TF	OW566				↑ 1200			RNP1
TF	OW552				900			RNP1

RWY04 Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
Holding (outbound time 1 minute)								
HM	OW558	Y	185	R	2700	MAX380		RNP1
HM	JCS	Y	223	R	2100	MAX380		RNP1

RWY22 Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification
Holding (outbound time 1 minute)								
HM	OW558	Y	185	R	2700	MAX380		RNP1
HM	JCS	Y	043	L	2100	MAX380		RNP1

ZGOW AD 2.23 其它资料

春、秋季节候鸟迁徙，为鸟击高发期，机场当局采取驱赶措施，以减少鸟类活动。

ZGOW AD 2.23 Other information

The spring and autumn is the peak period for migratory bird's migration, and aerodrome Authority resorts to dispersal methods to reduce bird activities.