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

ZJHK-海口 / 美兰 HAIKOU/Meilan

ZJHK 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	N19° 56.0' E110° 27.6' Center of RWY
2	方向、距离 Direction and distance from city	25km, southeast from city center
3	标高 / 参考气温 Elevation/Reference temperature	23m /33.9° C(JUN)
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	1° W(1970)/ -
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	Haikou Meilan International Airport CO. LTD. Linshan town, Meilan District, Haikou 571126, Hainan province, China TEL: 86-898-69966909 FAX: 86-898-69966310 E-mail: hwyxzhzx@hnair.com
7	允许飞行种类 Types of traffic permitted(IFR/VFR)	IFR/VFR
8	机场性质 / 飞行区指标 Military or civil airport & Reference code	Civil/4E
9	备注 Remarks	Nil

ZJHK 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

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

1	货物装卸设施 Cargo-handling facilities	Tow tractor, baggage transporter, dolly, platform lift, pallet, tractor,baggage 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(20 litres/sec), hydrant cart(single tube: 22 litres/sec), hydrant cart(double tube: 63 litres/sec)
4	除冰设施 De-icing facilities	Nil
5	过站航空器机库 Hangar space for visiting aircraft	Yes, available for aircraft maintenance.
6	过站航空器的维修设施 Repair facilities for visiting aircraft	Line maintenance available on request. Other maintenance work by prior arrangement.
7	备注 Remarks	Power units, air supply units, air preconditioning units available

ZJHK AD 2.5 旅客设施 Passenger facilities

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

ZJHK 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 8
2	援救设备 Rescue equipment	Fire fighting facilities: primary foam tender, heavy-duty foam tender, water tank truck, dry-chemical tender, logistic truck, illumination truck, communication command car, rescue and fire-fighting truck, medicament reinforcement car, disassembly rescue equipment, etc. rescue equipment: crane, corresponding steel plate, fire tender, uplift air cushion, mobile surface operation device, rubber pad, etc.
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to B747
4	备注 Remarks	Nil

ZJHK 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	Not applicable
3	备注 Remarks	Nil

ZJHK 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 104/R/B/W/T (Stands Nr.309-313) PCN 92/R/B/W/T (Stands Nr.1-11) PCN 85/R/B/W/T (Stands Nr.12-24, 30-35, 207-210,601-608) PCN 76/R/B/W/T (Stands Nr.25-28, 201-206) PCN 62/R/B/W/T (Stands Nr.301-308)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	18m:B1(N of TWY B), S2; 23m:A, B, B1(S of TWY B), B2, B4, B5, B9(N of TWY B), B10(N of TWY B), B11, B12(N of TWY B), S3, S4; 25m:B3; 27m:A3-A6; 28.5m:A1, A7, B17; 34m:A2, B6-B8, B9(S of TWY B), B10(S of TWY B), B12(S of TWY B), B15; 38m:B16.
		Surface:	Cement concrete
		Strength:	PCN 104/R/B/W/T(B(W of TWY B6), B1(S of TWY B), B2-B5) PCN 95/R/B/W/T(A, A1-A7, B(E of TWY B6), B6-B12, B15-B17, S4) PCN 92/R/B/W/T(S2, S3) PCN 62/R/B/W/T(B1(N of TWY B))
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		

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

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠 / 停放位置引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at all intersections of TWY / RWY and at all holding positions. Guide lines at all TWY and apron. Nose-in guidance at aircraft stands. Mashaller is available at stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	RWY designation, TDZ, edge line, THR, center line, aiming point, marking before THR
		RWY lights	Center line, edge line, THR, RWY end, TDZ
		TWY markings	Center line, intermediate holding position, RWY holding positions, TWY shoulder, 'No entry' markings for TWY A3-A6
		TWY lights	Edge line(reflect sticks for straight section), center line, rapid exit TWY indicator
3	停止排灯 Stop bars	Nil	
4	备注 Remarks	Blue apron edge line lights.	

ZJHK AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on RWY center					
序号 Serial Nr.	**障碍物类型 (* 代表有灯光) Obstacle type (*Lighted)**	**磁方位 BRG (MAG)(degree)**	**距离 DIST(m)**	**海拔高度 Elevation(m)**	**影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected**
1	*Antenna	091	2950	37	RWY09/ take-off flight path RWY27/ final approach
2	TWR	093	4020	63	RWY09/ take-off flight path RWY27/ final approach
3	MT	181	8500	99.8	Circling for CAT D
4	*BLDG	262	12985	131.3	
5	*Antenna	271	2850	38.2	RWY09/ final approach RWY27/ take-off flight path
6	TWR	286	6290	100.5	RWY09/ NDB/DME final approach,circling for CAT B/C
7	*Control TWR	358	989	89.2	RWY09/27/ missed approach, Circling for CAT A
Remarks:					

Obstacles between two circles with the radius of 15km and 50km centered on RWY center					
序号 Serial Nr.	障碍物类型 (* 代表有灯光) Obstacle type (*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected
1	MT	040	22000	117	
2	MT	087	43000	207	
3	MT	180	47000	269	
4	MT	193	24000	200	
5	MT	222	111100	1411	Minimum surveillance altitude sector Nr.1
6	MT	224	63000	250	Sector centred NYB
7	MT	238	91300	512	Minimum surverillance altitude sector Nr.2
8	MT	258	73800	244	Minimum surveillance altitude sector Nr.3
9	MT	269	26000	222	Sector
Remark:					

ZJHK 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	Hainan ATMB MET station
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	Hainan ATMB MET station 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, significant weather charts, upper W/T charts, satellite and radar material, AWOS real-time data, SIGMET, AIRMET

8	提供信息的辅助设备 Supplementary equipment available for providing information	FAX
9	接收气象信息的空中交通服务单位 ATS units provided with information	TWR, ACC, APP
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 09: 120m S of RCL, 350m inward THR09; RWY 27: 120m S of RCL, 345m inward THR27. RVR EQPT: A: 120m S of RCL, 450m inward THR09; C: 120m S of RCL, 445m inward THR27; B: 120m S of RCL, 1792m inward THR 27. Ceilometer: Near LMM of each RWY
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

ZJHK 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
09	090° GEO 091° MAG	3600 × 45	95/R/B/W/T Concrete/-	Nil	THR22.6m --
27	270° GEO 271° MAG	3600 × 45	95/R/B/W/T Concrete/-	Nil	THR19.7m --
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

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)
RWY09/27 0.14%(1200) 0.10%(60) 0%(940) 0.08%(1400)	Nil	Nil	3720 × 300	Nil	240 × 150
RWY09/27 0.14%(1200) 0.10%(60) 0%(940) 0.08%(1400)	Nil	Nil	3720 × 300	Nil	240 × 150
Remarks:Forced landing area is 3720 × 120m, located at south of RWY 09/27.					

ZJHK 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
09	3600	3600	3600	3600	Nil
27	3600	3600	3600	3600	Nil
Remarks:					

ZJHK 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
09	CAT II 900m* LIH	Green --	PAPI Left/3° (21.52m)	900m	3600m** spacing 30m	3600m*** spacing 60m	Red	Nil

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
27	CAT I 900m* LIH	Green --	PAPI Left/3° (19.46m)	Nil	3600m** spacing 30m	3600m*** spacing 60m	Red	Nil
Remarks: *SFL **0-2700m White VRB LIH, 2700-3300m Red/White VRB LIH, 3300m-3600m Red VRB LIH *** 0-3000m White VRB LIH, 3000-3600m Yellow VRB LIH								

ZJHK 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	2 anemometers: 350m inward of THR RWY09, 122m S of RCL (lighted); 345m inward of THR RWY 27, 121m S of RCL (lighted)
3	滑行道边灯和中心线灯光 TWY edge and center line lighting	Blue TWY edge line(reflect sticks for straight section), green TWY center line, rapit exit TWY center line (yellow/green)
4	备份电源 / 转换时间 Secondary power supply/switch-over time	Secondary power supply available Switch-over time: RWY 09/ 1sec, RWY 27/ 15sec
5	备注 Remarks	Nil

ZJHK 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

ZJHK 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
Haikou 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	900 (QNH) and below	
Altimeter setting region and TL/TA	Same as Haikou APP area	TL 3600m TA 3000m 3300m(QNH ⩾ 1031hPa) 2700m(QNH ⩽ 979hPa)	

ZJHK 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		127.65	HO	D-ATIS available
APP	Haikou Approach	119.15 (120.225) AP01	H24	Nil
APP	Haikou Approach	119.975 (120.225) AP02	BY ATC	Nil
TWR	Haikou Tower	118.55 (124.30)	H24	Nil
GND	Meilan Ground	121.65	HO	
APN	Meilan Apron	121.8	H24	
DELIVERY	Haikou Delivery	121.9	H24	DCL available
OP-CTL	Meilan Operation	130.8	HO	
EMG		121.5	H24	

ZJHK 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
Nanyingbindao VOR/DME	NYB	113.3MHz CH 80X	N20° 00.9′ E110° 08.2′	23m	Range: 200NM
Dongmulantou VOR/DME	MLT	112.7MHz CH 74X	N20° 09.1′ E110° 40.4′	58m	Range: 200NM
LMM 09	H	389kHz	19° 56.0′ 110° 26.0′ 271° MAG/ 1050m FM THR09		
LOC 09 ILS CAT I	IHH	111.5MHz	091° MAG/ 250m FM end RWY 09		
GP 09		332.9MHz	135m S of RCL 338m FM THR09		Angle 3° RDH 17.5m
DME 09	IHH	CH 52X (111.5MHz)		29m	Co-located with GP 09
LMM 27	P	402kHz	19° 56.0′ 110° 29.3′ 091° MAG/ 1150m FM THR27		
LOC 27 ILS CAT I	IPP	108.5MHz	271° MAG/ 250m FM end RWY 27		
GP 27		329.9MHz	135m S of RCL 334m FM THR		Angle 3° RDH 16.4m
DME 27	IPP	CH 22X (108.5MHz)		27m	Co-located with GP 27
Remarks: Nil					

ZJHK AD 2.20 本场飞行规定 ZJHK AD 2.20 Local traffic regulations

1. 机场使用规定

1.1 离港航空器推出开车滑行五个阶段的具体操作程序:

1.1.1 航空器向海口放行席申请放行许可;

1.1.2 航空器准备完毕，向海口放行（Delivery）申请推出开车许可;

1.1.3 经海口放行 (Delivery) 同意后，向美兰机坪 (APN) 申请推出开车许可;

1.1.4 航空器推出开车后，向美兰机坪(APN) 申请机坪区域内的滑行许可;

1.1.5 航空器离开停机坪前，按照美兰机坪(APN) 的指令，向海口塔台 (TWR) 或海口地面 (GND) 申请进一步滑行许可。

1.2 进港航空器滑行工作流程:

1.2.1 航空器脱离跑道后，由海口塔台 (TWR) 指挥滑行;

1.2.2 航空器进入机坪前，按海口塔台指令(TWR) 联系美兰机坪 (APN) 索取机位信息及进一步滑行许可。

1.3 美兰机坪(APN) 范围为B滑行道（含）以北，海口塔台 (TWR) 管制范围为B滑行道以南。

1.4 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. Airport operations regulations

1.1 Procedure for push back, start up and taxiing of departure aircraft:

1.1.1 Obtain delivery clearance via Haikou Delivery;

1.1.2 Obtain push back and start up clearance via Haikou Delivery when aircraft stand by;

1.1.3 With clearance of Haikou Delivery, obtain push back and start up clearance via Meilan Apron;

1.1.4 Obtain taxiing clearance via Meilan Apron after start up;

1.1.5 Obtain taxiing clearance via TWR or GND control before vacating the apron.

1.2 Procedure for arrival aircraft:

1.2.1 Obtain taxiing clearance via TWR control after vacating the runway;

1.2.2 With instructions of TWR, aircraft shall contact Meilan Apron for stands information and taxiing clearance before entry apron.

1.3 The north of TWY B (included) is under control of Meilan Apron(APN), the south of TWY B is under control of Haikou Tower(TWR) control.

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

2. 跑道和滑行道的使用

2.1. 可以通过地面管制申请拖车服务。

2.2. 航空器计划落地前15分钟需与美兰机场指挥中心(OP-CTL)联系，通报预计降落时间。

2.3. 未经允许，禁止航空器在跑道和滑行道上做180度转弯。

2.4. 专机滑行路线以管制员指令为准。

2.5. 未经海口塔台和美兰机坪同意，严禁航空器利用自身动力滑行或使用拖车拖行。

2. Use of runways and taxiways

2.1. Towing service is available via Ground Control.

2.2. Contact Meilan Operation(OP-CTL) 15 minutes before landing to notify the estimated landing time.

2.3. 180° turnaround on RWY and TWY are forbidden for all aircraft.

2.4. Taxiing routes of special flight will be instructed by ATC.

2.5. Taxiing on own power or by tow tractor is strictly forbidden without ATC and Meilan Apron clearance.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1. 机位由美兰机场指挥中心(OP-CTL)统一安排或调整。着陆航空器脱离跑道后均由引导车引导进入停机位。

3.1. Stands are arranged by Meilan Operation(OP-CTL). Landing aircraft shall follow the guidance of follow-me vehicle to taxi into the parking stand after breaking away from the runway.

3.2. 停靠在30、32、33、35号机位的C类（含）以上航空器开车前需经许可。

3.2. Aircraft CAT C or above shall obtain the clearance before engine start-up at the stands Nr.30, Nr.32, Nr.33, Nr.35.

3.3. 发动机试车，须经地面管制许可并在指定的地点进行。严禁在廊桥附近、客机坪和滑行道上试大车。

3.3. Engine run-ups are subject to Ground Control clearance, and shall be carried out at a designated location. Fast engine run-upsin the vicinity of boarding bridges and on apron or TWYsare strictly forbidden.

3.4. 30-32,34,35,201-210,301-308 为自滑进出机位，其余机位为自滑进顶推出机位。

3.4. Aircraft parking on stands except Nr.30-32,34,35,201-210,301-308 shall be pushed back.

3.5. 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. 7, 10, 20, 24,309-312	65m
Nr. 9, 11-14,19, 21-23,207-210,313	48 m
Nr. 15-18	38.5 m
Nr. 1-6, 8, 25-28, 30-35, 201-206, 301-308,601-608	37.5m

4. 进、离场管制规定

4.1 进场管制规定

a. 航空器在着陆后应尽快（飞越跑到入口端至完全脱离跑道应在 50s 内）脱离跑道，如需使用更长的时间占用跑道应在着陆前通知管制员。

b. 航空器与塔台管制员脱波后，应立即与美兰机坪(APN)建立联系。

4.2 离场管制规定

a. 航空器应在预计开车前 10min 内联系放行管制，取得放行许可。

b. 航空器可以通过两种方式取得放行许可：数字放行DCL和人工播发放行。

c. 收到 DCL 数字放行许可后，在报告 “准备开车”前5min向放行管制席复诵呼号，跑道号和起始高度。

d. 准备好推出及开车时通报放行席位，取得地面管制许可后方可推出开车。

4. Air traffic control regulations

4.1 Air traffic control regulations for arrival aircraft

a. Landing 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.

b. Pilot shall contact Meilan Apron(APN) as soon as leaving TWR frequency.

4.2 Air traffic control regulations for departure aircraft

a. Departing aircraft shall contact Delivery Control for delivery clearance within 10 minutes prior to the start-up.

b. Obtain delivery clearance through DCL or TWR control.

c. Repeat “call sign、runway designation and initial altitude” to delivery controller 5 minutes earlier than reporting “ready to push back and start-up” .

d. Inform delivery controller “ready to push back and start-up” until receive the clearance from GND.

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. 跑道北侧机场高速公路灯光与跑道灯光相似，注意识别。

8.2. 每日 11:00-13:00, 17:00-19:00, 23:00-01:00 (UTC) ,在N200000 E1101500释放气象探空气球，球体高1.2-2.0m,探空气球漂移半径为100km，上升率 350m/min，升限 30000m。过往机组注意观察。

8.3. 航空器绕飞天气时，注意避免进入D155危险区。

8. Warning

8.1. Do not mistake the freeway lights located at north of runway for runway lights.

8.2. Ascent of MET balloon take place at N200000 E1101500, 11:00-13:00, 17:00-19:00, 23:00-01:00 (UTC) daily, height of balloon itself is 1.2-2.0m, floating radius: 100km, rate of ascent: 350m/min, ceiling: 30000m. Aircraft shall pay attention to the MET balloon.

8.3. Aircraft shall pay attention to avoid Danger Area(ZG(D)155) near airport during weather deviation.

9. 直升机飞行限制，直升机停靠区

不允许在机位上作起降。停靠区在 201-210 号机位。

9. Helicopter operation restrictions and helicopter parking/docking area

Taking off and landing are forbidden on the parking stands. Parking area is stands Nr. 201-210.

ZJHK AD 2.21 噪音限制规定及减噪程序

1. 起飞减噪程序

在保证安全超障和飞行程序最低爬升梯度的条件下，执行如下起飞减噪程序。由于非管制原因不执行减噪程序，飞行员必须在起飞前告知管制员并说明原因(校验飞行等特殊飞行除外)。

1.1 在航空器起飞性能运行允许的情况下,尽可能使用减推力起飞;

ZJHK AD 2.21 Noise restrictions and Noise abatement procedures

1. Noise abatement procedures for departure

In condition of complying with the requirements of obstacle clearance and climb gradient required by flight procedure, the following noise abatement climb procedures shall be implemented. If the procedures can not be implemented due to any reason except ATC, pilot shall inform the controller with a reasonable explanation(except for flight check and other special flight).

1.1 The derated take-off is strongly recommended if the take-off performance of aircraft permit;

1.2 在高度450米时,起始爬升速度V2+20km/h(10海里/小时),减小功率至爬升功率,保持原有襟翼和速度继续爬升;

1.3 高度900米以上时,转为正常航路爬升速度并按规定收襟翼/缝翼。

1.2 At altitude 450m, with a climb speed of V2 + 20km/h(10kt), reduce engine power/thrust to climb power/thrust and maintain a speed with flaps and slats in the take-off configuration;

1.3 At altitude 900m or above, maintain a positive rate of climb, accelerate to normal en-route climb speed and retract flaps/slats as prescribed.

ZJHK AD 2.22 飞行程序

1. 总则

1.1 除经海口进近或塔台特殊许可外，在海口进近管制区和塔台管制区内的飞行，必须按照仪表飞行规则进行。

1.2 进离港航空器在海口进近管制区和塔台管制区以实施PBN运行程序为主。如航空器驾驶员无法执行上述要求时，必须在初始联系管制员时向ATC申请,并说明原因。

2. 起落航线

起落航线通常在跑道北侧，A、B类航空器高度300米，C、D类航空器高度500米；经空中交通管制部门许可，可在跑道南侧进行。

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。

4. 雷达程序和/或ADS-B程序

4.1. 海口进近管制区域内实施雷达管制。航空器最小水平间隔为6千米。

4.2. 当航空器得到目视进近许可或进近管制已指示航空器与塔台建立通信联络时，雷达管制终止。

ZJHK AD 2.22 Flight procedures

1. General

1.1 Flights within Haikou Approach Control Area and Tower Control Area shall operate under IFR unless special clearance has been obtained from Haikou Approach Control or Tower Control.

1.2 Departure and arrival aircraft shall mainly conduct PBN flight procedures within Haikou APPControl Area and Tower Control Area. If aircraft cannot conduct PBN, pilots shall inform ATC on initial contact with controllers, and state reasons.

2. Traffic circuits

Traffic circuits shall be normally made to the north of RWY, at the altitude of 300m for aircraft CAT A/B, and 500m for aircraft CAT C/D. Traffic circuits to the south of runway are subject to ATC clearance.

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. Radar procedures and/or ADS-B procedures

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

4.2. Radar control is end when aircraft obtain visual approach clearance or APP indicate aircraft to contact TWR.

4.3 最低监视引导高度扇区

4.3 SurveillanceMinimum Altitude Sectors

4.3.1 扇区位置点坐标

4.3.1 Coordinates of points in Sectors

位置点 Points	坐标 Coordinates	位置点 Points	坐标 Coordinates
1A	N191500E1085636	3A	N194534E1091136
1B	N192942E1085636	3B	N203000E1091136
1C	N192942E1101354	3C	N203000E1110654
1D	N191500E1101354	4A	N191604E1071123
2A	N191500E1083736	4B	N195733E1075547
2B	N194534E1083736	4C	N203000E1080300
2C	N194534E1110654	5A	N203000E1113000
2D	N191500E1110654	5B	N191500E1113000

4.3.2 扇区范围及最低引导高度

4.3.2 Sectors scope and altitude limit

Sector Nr.	Scope	Alt limit
Sector Nr.1	1A-1B-1C-1D-1A	1750m or above
Sector Nr.2	1A-2A-2B-2C-2D-1D-1C-1B-1A	850m or above
Sector Nr.3	3A-3B-3C-2C-3A	600m or above
Sector Nr.4	4A-4B-4C-3B-3A-2B-2A-4A	350m or above
Sector Nr.5	5A-5B-2D-3C-5A	350m or above

5. 无线电通信失效程序

无

5. Radio communication failure procedures

Nil

6. 目视飞行程序

机场塔台（进近）管制区正式实施目视间隔和目视进近运行，此运行方式须得到ATC许可。

6. Procedures for VFR flights

With the prior permission of ATC, visual separation and visual approach can be implemented within TWR control area and APP control area.

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

9.1. 听清并复诵地面管制员的滑行指令，尤其是界限性指令，发现疑问及时证实。

9.2. 在脱离跑道首次与地面管制员联系时，尤其在低能见度情况下，必须向地面管制员报告具体位置。

9.3. 从停机位推出时，向管制员证实使用跑道，推出方向。

9. Other regulations

9.1. Repeat the whole taxiing instructions issued by GND Control and make it clear especially for boundaries when there is a doubt.

9.2. After vacating RWY, especially under low visibility conditions, report position to GND Control.

9.3. While pushed back from parking stand, verify the pushing direction and the approved RWY designation to GND Control.

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)
HK404	N195603 E1101350	HK515	N200909 E1104848
HK406	N195602 E1100622	HK520	N200655 E1101828
HK407	N200849 E1100123	HK521	N201401 E1101819
HK410	N195100 E1100622	HK522	N201349 E1100759
HK411	N195100 E1100420	AGTEL	N2030.0E11017.6
HK412	N195101 E1101351	ASSAD	N1820.5 E10740.9
HK413	N195101 E1102329	BESVU	N1951.0 E11047.4
HK414	N195101 E1103706	BIGRO	N2134.2 E11149.6
HK415	N194536 E1103706	DOMGO	N2030.0 E11050.4
HK416	N194536 E1102329	GIVIL	N1915.0 E10950.0
HK417	N194534 E1100210	GIVIV	N2057.2 E11103.3
HK418	N200655 E1102706	ISBIG	N2038.7 E11054.5
HK419	N200907 E1103503	LIDLU	N2030.0 E10943.0
HK420	N200903 E1102448	PEGDU	N2053.0 E10923.0
HK421	N200855 E1101051	SAMAS	N2030.3 E11029.7
HK504	N195606 E1104029	SIKOU	N2050.6 E11130.0
HK506	N195039 E1102307	BHY	N2135.2 E10925.9
HK507	N194251 E1101551	LH	N2108.1E11020.0
HK510	N194818 E1102056	WL	N1829.3 E10924.2
HK513	N195101 E1104029	NYB	N2000.9 E11008.2
HK514	N195605 E1104725		

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/ TCH	Navigation Specification

RWY09 SID LH-91D								
CA			091		400			RNP1
DF	HK420			L				RNP1
TF	AGTEL							RNP1
TF	LH							RNP1
RWY09 SID LH-92D								
CA			091		400			RNP1
DF	HK419			L				RNP1
TF	HK420							RNP1
TF	AGTEL							RNP1
TF	LH							RNP1
RWY09 SID SIKOU-91D								
CA			091		400			RNP1
DF	HK419			L				RNP1
TF	SAMAS							RNP1
TF	ISBIG							RNP1
TF	SIKOU							RNP1
RWY09 SID WL-91D								
CA			091		400			RNP1
DF	HK419			L				RNP1
TF	HK420							RNP1
TF	HK421							RNP1
TF	NYB				6900 or by ATC			RNP1
TF	GIVIL							RNP1
TF	WL							RNP1
RWY09 SID WL-92D (by ATC)								
CA			091		400			RNP1
DF	HK506			R	↑ 600			RNP1
TF	GIVIL							RNP1
TF	WL							RNP1
RWY09 SID ASSAD-91D (by ATC)								
CA			091		400			RNP1
DF	HK419			L				RNP1
TF	HK420							RNP1
TF	HK407							RNP1
TF	ASSAD							RNP1
RWY09 SID Holding (outbound time: 1 minute)								
TF	HK420	Y	270	R	by ATC			RNP1
RWY27 SID LH-81D								
CA			271		400			RNP1
DF	HK520			R				RNP1
TF	HK521							RNP1

TF	AGTEL							RNP1
TF	LH							RNP1
RWY27 SID SIKOU-81D								
CA			271		400			RNP1
DF	HK418			R				RNP1
TF	SAMAS							RNP1
TF	ISBIG							RNP1
TF	SIKOU							RNP1
RWY27 SID WL-81D								
CA			271		400			RNP1
DF	HK520			R				RNP1
TF	HK521							RNP1
TF	HK522							RNP1
TF	NYB				6900 or by ATC			RNP1
TF	GIVIL							RNP1
TF	WL							RNP1
RWY27 SID WL-82D (by ATC)								
CA			271		400			RNP1
DF	HK510			L				RNP1
TF	GIVIL							RNP1
TF	WL							RNP1
RWY27 SID WL-83D (by ATC)								
CF	HK406		271					RNP1
TF	GIVIL							RNP1
TF	WL							RNP1
RWY27 SID ASSAD-81D (by ATC)								
CA			271		400			RNP1
DF	HK520			R				RNP1
TF	HK521							RNP1
TF	HK522							RNP1
TF	HK407							RNP1
TF	ASSAD							RNP1
RWY27 SID Holding (outbound time: 1 minute)								
HM	HK521	Y	360	R	by ATC			RNP1
RWY09 STAR BIGRO-91A								
IF	BIGRO							RNP1
TF	GIVIV							RNP1
TF	ISBIG							RNP1
TF	DOMGO							RNP1
TF	HK515							RNP1
TF	BESVU				3000 or by ATC			RNP1

TF	HK413							RNP1
TF	HK412				↑ 1200	MAX 380		RNP1
RWY09 STAR SIKOU-91A								
IF	SIKOU							RNP1
TF	ISBIG							RNP1
TF	DOMGO							RNP1
TF	HK515							RNP1
TF	BESVU				3000 or by ATC			RNP1
TF	HK413							RNP1
TF	HK412				↑ 1200	MAX 380		RNP1
RWY09 STAR WL-91A								
IF	WL							RNP1
TF	GIVIL							RNP1
TF	HK417				6900 or by ATC			RNP1
TF	HK416							RNP1
TF	HK415					MAX 380		RNP1
TF	HK414							RNP1
TF	HK413							RNP1
TF	HK412				↑ 1200	MAX 380		RNP1
RWY09 STAR WL-92A (by ATC)								
IF	WL							RNP1
TF	GIVIL							RNP1
TF	HK417							RNP1
TF	HK406				900	MAX 380		RNP1
RWY09 STAR ASSAD-91A (by ATC)								
IF	ASSAD							RNP1
TF	HK407							RNP1
TF	NYB				900	MAX 380		RNP1
RWY09 STAR BHY-91A								
IF	BHY							RNP1
TF	PEGDU							RNP1
TF	LIDLU							RNP1
TF	HK407							RNP1
TF	NYB				900	MAX 380		RNP1
RWY09 Holding (outbound time: 1 minute)								
HM	HK407	Y	142	L	1500	MAX 380		RNP1
HM	HK412	Y	271	R	1200	MAX 380		RNP1
HM	HK515	Y	185	R	by ATC	MAX 380		RNP1
RWY09 Transition (from HK412)								
IF	HK412				↑ 1200	MAX 380		RNP1
TF	HK410							RNP1

TF	HK406				900	MAX 380		RNP1
TF	HK404				600	MAX 380		RNP1
RWY09 Transition (from HK406)								
IF	HK406				900	MAX 380		RNP1
TF	HK404				600	MAX 380		RNP1
RWY09 Transition (from NYB)								
IF	NYB				900	MAX 380		RNP1
TF	HK404				600	MAX 380		RNP1
RWY27 STAR BRIGO-81A								
IF	BIGRO							RNP1
TF	GIVIV							RNP1
TF	ISBIG							RNP1
TF	DOMGO							RNP1
TF	HK515				2100 or by ATC	MAX 380		RNP1
RWY27 STAR SIKOU-81A								
IF	SIKOU							RNP1
TF	ISBIG							RNP1
TF	DOMGO							RNP1
TF	HK515				2100 or by ATC	MAX 380		RNP1
RWY27 STAR WL-81A								
IF	WL							RNP1
TF	GIVIL							RNP1
TF	HK411				6900 or by ATC			RNP1
TF	HK413							RNP1
TF	HK513				↑ 1200	MAX 380		RNP1
RWY27 STAR WL-82A (by ATC)								
IF	WL							RNP1
TF	GIVIL							RNP1
TF	HK507				1800			RNP1
TF	HK413							RNP1
TF	HK513				↑ 1200	MAX 380		RNP1
RWY27 STAR ASSAD-81A (by ATC)								
IF	ASSAD							RNP1
TF	HK407							RNP1
TF	NYB							RNP1
TF	HK413							RNP1
TF	HK513				↑ 1200	MAX 380		RNP1
RWY27 STAR BHY-81A								
IF	BHY							RNP1
TF	PEGDU							RNP1

TF	LIDLU							RNP1
TF	HK407							RNP1
TF	NYB							RNP1
TF	HK413							RNP1
TF	HK513				↑ 1200	MAX 380		RNP1
RWY27 SID Holding (outbound time: 1 minute)								
HM	HK407	Y	142	L	by ATC	MAX 380		RNP1
HM	HK513	Y	091	L	1200	MAX 380		RNP1
HM	HK515	Y	185	R	2100 or by ATC	MAX 380		RNP1
HM	HK507	Y	042	R	1800	MAX 380		RNP1
RWY27 Transition (from HK515)								
IF	HK515				2100 or by ATC	MAX 380		RNP1
TF	HK514				900			RNP1
TF	HK504				600	MAX 380		RNP1
RWY27 Transition (from HK513)								
IF	HK513				↑ 1200	MAX 380		RNP1
TF	BESVU							RNP1
TF	HK514				900			RNP1
TF	HK504				600	MAX 380		RNP1

ZJHK AD 2.23 其它资料

全年有鸟类活动。机场当局采取了驱赶措施，以减少鸟类活动。

ZJHK AD 2.23 Other information

Activities of bird flocks take place all the year round. Aerodrome Authority resorts to dispersal methods to reduce bird activities.

Bird name	Activity season	Activity time	Flight height
Heron	The whole year	22:30-11:00	50-400m
Blackwinged Kite	The whole year	22:30-10:00	50-400m
Common Kestrel	The whole year	22:30-10:00	50-400m
House Swift	The whole year	22:00-10:00	50-500m
Falcon Carving	Winter	22:30-10:00	50-1000m
Buteo	Winter	22:30-10:00	50-400m
Grass Owl	The whole year	11:00-15:00	1-10m
Bat	Spring、 Summer	11:00-15:00	1-50m