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

ZUUU-成都/双流 CHENGDU/Shuangliu

ZUUU 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	N30° 34.8' E103° 56.9' Center of RWY 02L/20R
2	方向、距离 Direction and distance from city	230° GEO, 16.8km from the provincial exhibition center
3	标高 / 参考气温 Elevation/Reference temperature	512.4m/ 30.1° C (JUL)
4	机场标高位置 / 高程异常 AD ELEV PSN/ geoid undulation	RWY02R THR/-
5	磁差 / 年变率 MAG VAR/Annual change	1.7° W/ -
6	机场管理部门、地址、电话、传真、AFS、电子邮箱、网址 AD administration, address, telephone, telefax, AFS, E-mail, website	Southwest Regional Administration of CAAC Chengdu Shuangliu International Airport, Chengdu 610202, Sichuan province, China TEL: 86-28-85206122, 86-28-85206123 FAX: 86-28-85206124 AFS: ZUUUYDYX AFTN: ZUACZQZX(only for sending, not for receiving) Website: www.cdairport.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(RWY02L/20R), 4F(RWY02R/20L)
9	备注 Remarks	Nil

ZUUU 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	H24
12	备注 Remarks	Nil

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

1	货物装卸设施 Cargo-handling facilities	Conveyor truck, platform truck, fork, tow truck, platform lorry, container drum 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(13L/s), a pipe network of apron aircraft-refueling wells(25L/s), hydrant dispenser
4	除冰设施 De-icing facilities	5 De-icers
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	Maintenance tools and equipment
7	备注 Remarks	Ground air supply unit, ground power unit, passenger stairs, lift truck for disabled

ZUUU 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 and in the city
3	交通工具 Transportation	Passenger's coaches, taxis, buses
4	医疗设施 Medical facilities	First aid at AD, hospitals in the city
5	银行和邮局 Bank and Post Office	At AD
6	旅行社 Tourist Office	At AD TEL: 86-28-86619666
7	备注 Remarks	Nil

ZUUU 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 10
2	援救设备 Rescue equipment	Fire fight facilities: emergency rescue command vehicle, rapid intervention vehicle, primary foam tender, heavy-load foam water tank truck, dry-chemical tender, primary fire-fighting engine, foam tender, demolition rescue truck, illumination truck, medicament reinforcement car, logistics support vehicle,communication command vehicle; Rescue equipments: uplift air cushion, air pump, towing platform, fork, mobile surface operation devices
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to B747-400
4	备注 Remarks	Nil

ZUUU 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

ZUUU 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 86/R/B/W/T (Stands Nr.357-359. 357L/R) PCN 85/R/B/W/T (Stands Nr.130-132. 134. 135. 146. 147. 149. 150. 161. 162. 164-166. 176. 231-239. 301-319. 313L/R.314L/R.315L/R.316L/R. 317L/R. 318L/R. 319L/R. 326. 326L/R. 420-422. 501. 502. 503-508. 505L/R. 506L/R. 507L/R. 508L/R) PCN 83/R/B/W/T (Stands Nr.360-365.362L/R.364L/R) PCN 67/R/B/W/T (Stands Nr.136-145. 151-160. 167-175. 177. 320-324. 327-343. 345-356. 401-403. 606-618) PCN 62/R/B/W/T (Stands 101-129. 201-219. 229. 230) PCN 56/R/B/W/T (Stands 224-228)

2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	18m:T1(BTN stand Nr.351 and stand Nr.355).T2(BTN stand Nr.319 & stand Nr.345).T11. H7.K3; 23m: A. A7.B (north of B1). B3-B10. C(others). C4-C8.E(BTN E9&F). F. H1-H6. T3-T10. T1(BTN stand Nr.355 & stand Nr.365). K1; 25m: B (BTN B1&M). C (BTN A2&C5). C2-C3. D. E(BTN E1&E9). M. N. T2(BTN stand Nr.313 & stand Nr.319); 27m: A3-A6. E4. E5; 28m: A1(BTN A &RWY); 29m: E3. E6. E7; 30m: A8(BTN A&RWY); 34.5m: E1. E9; 39m: A1(BTN B&C). A2(BTN A&RWY). C1; 44m: B2. E2(BTN E&RWY). E8(BTN E&RWY); 46m: A8(BTN A&B). A9 48m: A1(BTN A&B). A2(BTN A&C). B1; 52m: D1-D5. E2(BTN D&E). E8(BTN D&E).
		Surface:	Cement concrete
		Strength:	PCN 106/R/B/W/T:A(BTN A1&A2). A1(BTN A&RWY02L/20R); PCN 104/R/B/W/T: A1(BTN A&C). B(BTN A2&B1); PCN 98/R/B/W/T: B (BTN A1&M). C(BTN M&A2). C1. D. D1-D5. E. E1. E2. E8. E9. M. N; PCN 88/R/B/W/T: B1(BTN A&B); PCN 86/R/B/W/T: T1(BTN stand Nr.355 & stand Nr.360); PCN 85/R/B/W/T: A(BTN A8&A9). A8(BTN A&B). A9. B(north of A8). B(BTN B1&B5). B3(BTN B&C). C(BTN A2&C7). C(BTN B6&B10). C3-C7. E(BTN E9&F).F.K1. T2(BTN stand Nr.313 & stand Nr.319).T3-T9. T10(south of T1); PCN 83/R/B/W/T: B1(BTN B&C). C2.T1(BTN stand Nr.360 & stand Nr.365).V1.V2; PCN 81/R/B/W/T: A2; PCN 75/R/B/W/T: A(BTN A2&A8). A3-A6. A8(BTN A&RWY). B2. B3(BTN A&B). B4-B10; PCN 68/R/B/W/T: A7. B (BTN A1&A2). B（BTN B5&A8); PCN 67/R/B/W/T: T1(BTN stand Nr.351 & stand Nr.355).T2(BTN stand Nr.319 & stand Nr.345).T10(north of T1).T11.K3; PCN 62/R/B/W/T: C8.H1-H6; PCN 60/R/B/W/T: E3. E4. E6. E7; PCN 56/R/B/W/T: H7; PCN 55/R/B/W/T: E5; PCN 54/R/B/W/T: C(BTN C7&B6)
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	

ZUUU 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 and RWY and at all holding positions. Guide lines at apron. Nose-in guidance at aircraft stands. Marshaller is available at all stands.

2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	RWY markings	RWY designation, THR, TDZ, center line, edge line, aiming point, pre-threshold marking
		RWY lights	THR, center line, edge line, RWY end, wing bar, TDZ(RWY 02R/02L)
		TWY markings	Center line,edge line, intermediate hold position, RWY hold position, taxiway shoulders, mandatory instruction marking, information marking
		TWY lights	Center line, edge line, RWY guard light, intermediate holding position, road-holding position, rapid exit TWY
3	停止排灯 Stop bars	Stop bars at TWY A1, A2, A8,E1, E2, E8, E9.	
4	备注 Remarks	Reflector stick (main TWYs C1, D, E, M, N)	

ZUUU AD 2.10 机场障碍物 Aerodrome obstacles

Obstacles within a circle with a radius of 15km centered on RWY 02L/20R 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	Tree	012	10620	572	
2	Antenna	014	3743	529.0	RWY02L Take-off flight path
3	BLDG	015	2527	517.2	RWY02L Take-off flight path
4	BLDG	015	2566	518.0	RWY02L Take-off flight path
5	Antenna	016	4142	535.4	RWY02L Take-off flight path
6	Tree	017	2443	516.2	RWY02L Take-off flight path
7	Pole	020	3601	525.0	RWY02L Take-off flight path
8	BLDG	026	10462	605.9	RWY02L Take-off flight path
9	*BLDG	029	4173	547.8	RWY02L/Departure RWY02L Take-off flight path
10	BLDG	032	3977	542	
11	TWR	050	14581	642	
12	BLDG	054	4113	553	
13	BLDG	056	3970	551	
14	BLDG	072	11909	595	
15	BLDG	085	13032	589	
16	* Old Control TWR	094	772	560	
17	BLDG	101	11704	617	
18	BLDG	104	11864	628	
19	*BLDG	111	1856	549	
20	BLDG	128	13487	576	

Obstacles within a circle with a radius of 15km centered on RWY 02L/20R 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
21	TWR	138	5133	578	
22	BLDG	144	5840	573	
23	BLDG	147	6111	559	
24	BLDG	152	6783	555	
25	* New control TWR	153	1084	580.4	RWY02R/Departure
26	Antenna	157	4667	539	
27	TWR	161	4476	554	
28	TWR	161	4759	539	
29	TWR	163	7950	553	
30	TWR	182	5283	545	
31	Tree	182	4843	528	
32	TWR	182	9331	569	
33	TWR	184	13020	579	
34	TWR	184	13457	565	
35	Tree	187	6769	544	
36	OBST	191	7995	539	
37	OBST	191	7991	539	
38	BLDG	192	7776	540	
39	Antenna	193	11095	580	
40	OBST	193	8020	541	
41	OBST	193	8028	541	
42	Tree	193	7738	535	
43	Pole	193	7745	535	
44	OBST	194	8012	541	
45	TWR	195	5942	551	
46	BLDG	199	9151	562	
47	Tree	200	3931	519.9	RWY20R Take-off flight path
48	Tree	200	6110	546.9	RWY20R Take-off flight path
49	Tree	201	5791	546.3	RWY20R Take-off flight path
50	BLDG	201	9256	556	
51	BLDG	202	10398	568	
52	TWR	203	10558	586	
53	BLDG	203	10517	576	
54	TWR	204	10544	591	RWY20R/Departure
55	BLDG	204	10397	576	

Obstacles within a circle with a radius of 15km centered on RWY 02L/20R 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
56	BLDG	205	10236	572	
57	TWR	206	10483	586	
58	BLDG	207	9163	550	
59	TWR	207	9131	573	
60	TWR	208	9034	601	
61	BLDG	208	9189	556	
62	BLDG	212	8708	550	
63	TWR	212	8793	553	
64	BLDG	213	8586	551	
65	BLDG	213	8671	551	
66	BLDG	213	8622	555	
67	TWR	213	8781	555	
68	TWR	213	8664	557	
69	TWR	213	8639	557	
70	BLDG	218	6593	552	
71	BLDG	219	6868	552	
72	BLDG	241	3328	539	
73	BLDG	245	3390	540	
74	Antenna	250	3064	550	
75	Antenna	251	2149	540	
76	BLDG	263	468	531	
77	*TWR	263	2422	558	
78	*BLDG	265	2401	547	
79	*TWR	266	3186	585	
80	TWR	266	13737	548	
81	TWR	272	11435	550	
82	BLDG	296	5548	619	
83	Antenna	297	7193	608	
84	*BLDG	323	14929	645	
85	BLDG	329	13876	673	
86	MT	331	13876	673	ATCSMAC sector
87	Antenna	351	699	530	
Remarks:					

Obstacles between two circles with the radius of 15km and 50km centered on RWY02L/20R 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	BLDG	001	22642	621	
2	BLDG	007	21476	612	
3	*BLDG	012	15990	571	
4	*BLDG	023	15895	616	
5	BLDG	033	16388	605	
6	BLDG	042	18119	600	
7	MT	045	25000	592	
8	*BLDG	048	15371	656	
9	*Antenna	049	15217	660	
10	*BLDG	052	15500	662	
11	TWR	058	16900	837	
12	BLDG	059	15173	681	
13	BLDG	060	16900	837	ATCSMAC sector
14	Chimney	064	19775	704	
15	*BLDG	067	16620	610	
16	MT	083	43000	921	
17	MT	105	34542	1051	ATCSMAC sector
18	MT	105	34000	1059	
19	BLDG	122	21181	599	
20	MT	126	33000	992	
21	MT	142	36000	988	
22	MT	164	48000	904	
23	TWR	198	16497	617	
24	MT	211	33000	711	RWY02L/Intermediate approach
25	*MT	215	24650	649	
26	MT	292	41000	772	
27	BLDG	325	16460	643	
28	MT	343	47000	731	
Remarks:					

ZUUU 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	MET Center of Xinan regional ATMB
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	MET Center of Xinan regional ATMB 9 HR, 24 HR

4	着陆预报类型、发布间隔 Type of landing forecast, Interval of issuance	Trend 30 MIN
5	所提供的讲解 / 咨询服务 Briefing/consultation provided	P, T, Video
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, significant weather information, low-altitude weather information, data forecast chart.
8	提供信息的辅助设备 Supplementary equipment available for providing information	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, APP, ACC, APO, operation control office, flow management officer.
10	观测类型与频率 / 自动观测设备 Type & frequency of observation/ Automatic observation equipment	Half hourly plus special observation/Yes
11	气象报告类型及所包含的补充资料 Type of MET Report & supplementary information included	METAR, SPECI, TEND
12	观测系统及位置 Observation System & Site(s)	RVR EQPT: A: 100m W of RCL, 320m inward THR02L; B: 100m W of RCL, 1800m inward THR02L. C: 100m W of RCL, 320m inward THR20R; D: 100m E of RCL, 350m inward THR02R; E: 100m E of RCL, 1790m inward THR02R; F: 100m E of RCL, 430m inward THR20L; SFC wind sensors: RWY 02L: 110m W of RCL, 305m inward THR; RWY 20R: 110m W of RCL, 305m inward THR; RWY02L/20R center: 110m W of RCL, 1800m inward THR02L. RWY 02R: 110m E of RCL, 380m inward THR; RWY 20L: 110m E of RCL, 410m inward THR; RWY02R/20L center: 110m E of RCL, 1800m inward THR02R. Ceilometer: RWY 02L: 60m W of RCL, 1050m outside from THR; RWY 20R: 60m W of RCL, 270m outside from THR; RWY 02R: 60m E of RCL, 500m outside from THR; RWY 20L: 60m E of RCL, 500m outside from THR.
13	气象观测系统的工作时间 Hours of operation for meteorological observation system	H24
14	气候资料 Climatological information	Climatological tables AVBL
15	其他信息 Additional information	Tel: 86-28-85702294 86-28-85701140

ZUUU 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
02L	022° GEO 024° MAG	3600 × 45	88/R/B/W/T Concrete	Nil	THR 492.9m TDZ 492.9m
20R	202° GEO 204° MAG	3600 × 45	88/R/B/W/T Concrete	Nil	THR 495.4m TDZ 495.4m

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
02R	022° GEO 024° MAG	3600 × 60	98/R/B/W/T Concrete	Nil	THR 512.4m TDZ 512.4m
20L	202° GEO 204° MAG	3600 × 60	98/R/B/W/T Concrete	Nil	THR 496.6m TDZ 500.6m

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	Nil	Nil	3720 × 300	Nil	240 × 120
See AOC	Nil	Nil	3720 × 300	Nil	240 × 120
See AOC	Nil	Nil	3720 × 300	Nil	240 × 120
See AOC	Nil	Nil	3720 × 300	Nil	240 × 120

Remarks:

1. Distance between RCL of RWY02L/20R and RCL of RWY02R/20L is 1525m; RWY02L THR is 1040m north of RWY20L THR;
2. Width of RWY shoulder: 7.5m each side;
3. Anti-blast pad: RWY 02L: 60 × 60m, RWY 20R: 60 × 60m, RWY 02R: 120 × 75m, RWY 20L: 120 × 75m.

ZUUU 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
02L	3600	3600	3600	3600	Nil
02L	3200	3200	3200	3600	FM A2
20R	3600	3600	3600	3600	Nil
02R	3600	3600	3600	3600	Nil
02R	3200	3200	3200	3600	FM E2
20L	3600	3600	3600	3600	Nil
20L	3200	3200	3200	3600	FM E8

Remark:

ZUUU 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
02L	CAT II 900m* LIH	Green Yes	PAPI Left/3° 22.3m	900m	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil
20R	CAT I 900m* LIH	Green Yes	PAPI Left/3° 23.0m	Nil	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil
02R	CAT III 900m* LIH	Green Yes	PAPI Left/3° 18.5m	900m	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil
20L	CAT I 900m* LIH	Green Yes	PAPI Left/3° 18.6m	Nil	3600m** spacing 15m	3600m*** spacing 60m	Red	Nil

Remarks: *SFL
**0-2700m White VRB LIH, 2700-3300m Red/White VRB LIH, 3300-3600m Red VRB LIH
***0-3000m White VRB LIH, 3000-3600m Yellow VRB LIH

ZUUU 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: 02L: 135m W of RCL, 327m inward THR02L; 20R: 135m W of RCL, 390m inward THR20R; 02R: 105.5m E of RCL, 437m inward THR02R; 20L: 117.5m E of RCL, 355m inward THR20L.
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	Secondary power supply available, diesel motor / CAT I: 15 s, CAT II: 1s, CAT III: 1s
5	备注 Remarks	Nil

ZUUU 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

ZUUU 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
Chengdu tower control area	N304925E1040930- N304700E1042830- N302620E1040230- N302920E1035640- N303800E1035700- N304925E1040930	By ATC	
Fuel Dumping Area	A holding pattern, to the west of the limited line defined by WUFENGXI VOR/DME 'WFX'(N30 36.4E104 29.5) and FUJIACHANG VOR/DME 'FJC'(N29 55.7E104 18.2)	4000m and above	
Altimeter setting region and TL/TA	Same as Chengdu APP area	TL 3600m TA 3000m 3300m(QNH ⩾ 1031hPa) 2700m(QNH ⩽ 979hPa)	

ZUUU 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		126.45(ARR)	H24	D-ATIS available

服务名称 Service Designation	呼号 Call sign	频率 Frequency (MHz)	工作时间 Hours of operation	备注 Remarks
ATIS		128.6(DEP)	H24	D-ATIS available
APP	Chengdu Approach	124.85 (127.7) AP01	H24	Nil
APP	Chengdu Approach	119.7 (127.7) AP02	BY ATC	Nil
APP	Chengdu Approach	119.25 (127.7) AP03	BY ATC	Nil
APP	Chengdu Approach	124.75 (125.25) AP04	BY ATC	Nil
APP	Chengdu Approach	119.425 (125.25) AP05	BY ATC	Nil
TWR	Chengdu Tower	123.0 (118.85)	H24	Used for RWY 02L/20R
TWR	Chengdu Tower	130.35(118.85)	2200-1400(next day)	Used for RWY 02R/20L
GND	Chengdu Ground	121.85(121.7)	2200-1800(next day)	Used for RWY 02L/20R
GND	Chengdu Ground	121.75 (121.7)	by ATC	Used for RWY 02R/20L
GND	Chengdu Delivery	121.60(121.7)	0100-1300	DCL available
APN	Shuangliu Apron	APN01: 121.9	BY ATC	
APN	Shuangliu Apron	APN02: 121.8	H24	
APN	Shuangliu Apron	APN03: 121.65	BY ATC	

ZUUU 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
Shuangliu VOR/DME	CTU	115.7MHz CH 104X	N30° 34.4′ E103° 56.6′ 219° MAG/ 827m FM RWY02L/20R center	503m	Coverage 380km, 219° MAG/827m FM RWY02L/20R center
Baihesi VOR/DME	BHS	117.9MHz CH 126X	N30° 30.7′ E104° 12.0′		For DME: Beyond 21NM of R173° U/S
Wufengxi VOR/DME	WFX	117.1MHz CH 118X	N30° 36.4′ E104° 29.5′		For VOR: Beyond 21NM of R300° U/S; For DME: Beyond 17NM of R300° 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
Ziyang VOR/DME	ZYG	112.1MHz CH 58X	N30° 07.1′ E104° 40.6′		For VOR: R050° -R060° clockwise, R125° -R170° clockwise, R280° -R330° clockwise, beyond 20NM of R297° for departure and beyond 40NM on R302° for departure U/S; For DME: R300° -R330° clockwise U/S; For VOR/DME: Beyond 33NM of R186° , R163° , R316° U/S.
Jintang VOR/DME	JTG	115.4MHz CH 101X	N30° 52.3′ E104° 23.4′		For DME: R170° -R205° clockwise U/S.
Fujiachang VOR/DME	FJC	113.9MHz CH 86X	N29° 55.7′ E104° 18.2′		
Chongzhou VOR/DME	CZH	114.5MHz CH 92X	N30° 38.7′ E103° 41.2′		
Dexin VOR/DME	CDX	116.35MHz CH 110Y	N31° 15.0′ E104° 22.8′	540m	R255° -R360° clockwise U/S.
Huilong VOR/DME	HLC	115.95MHz CH 106Y	N30° 18.1′ E103° 41.7′	567m	
LOM 02L	ZW	260kHz	N30° 30.0′ E103° 54.5′ 204° MAG/ 7750m FM THR RWY 02L		204° MAG/ 7750m FM THR RWY 02L; Coverage: Marker: 600 ± 200m NDB: 30NM For NDB: Beyond 30NM of R122° U/S
LMM 02L	Z	396kHz	204° MAG/ 1050m FM THR RWY 02L		Coverage:Marker: 300 ± 100m NDB: 11NM
IM 02L		75MHz	204° MAG/ 280m FM RWY 02L THR		Coverage 150 ± 50m
LOC 02L ILS CAT I	IZW	111.1MHz	024° MAG / 260m FM RWY 02L end		Coverage 25 NM
GP 02L		331.7MHz	120m W of RCL,310m inside FM RWY 02L THR		Angle 3° RDH 15m Coverage 10 NM
DME 02L	IZW	CH 48X (111.1MHz)		498m	Co-located with GP02L
LOC 20R ILS CAT I	IAA	109.1MHz	204° MAG / 260m FM RWY 20R end		Coverage 25 NM
GP 20R		331.4MHz	120m W of RCL, 319m inside FM RWY20R THR		Angle 3° RDH 15m Coverage 10 NM

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 20R	IAA	CH 28X (109.1MHz)		500m	Beyond 15NM U/S Co-located with GP20R
IM 02R		75MHz	325m outside FM RWY02R THR		Coverage 150 ± 50m
LOC 02R ILS CAT I	ICR	108.7MHz CH 24X	290m outside FM RWY02R end		Coverage 25NM
GP 02R		330.5MHz	125m E of RCL, 342m inside FM RWY 02R THR		Angle 3° RDH 15m Coverage 10NM
DME 02R	ICR	CH 24X (108.7MHz)		519m	Co-located with GP02R
LOC 20L ILS CAT I	IDE	109.7MHz	305m outside FM RWY20L end		Coverage 25NM
GP 20L		333.2MHz	120m E of RCL, 288m inside FM RWY20L THR		Angle 3° RDH 15m Coverage 10NM
DME 20L	IDE	CH 34X (109.7MHz)		506m	Co-located with GP20L
Remarks:					

ZUUU 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. 对所有无 ACASII，最大起飞重量大于 15000 公斤或批准的旅客座位数量超过 30 的民用固定翼涡轮发动机飞机，0000 至 1400(UTC) 不得在本场起降。

1.3 平行跑道同时仪表运行规定

1.3.1 本场可以实施三种运行模式：独立平行离场、相关平行仪表进近、隔离平行运行。运行模式、运行时间及使用跑道听从ATC指令。

1.3.2 当出现风切变，颠簸，下降气流或强侧风等可能加大航空器偏离仪表着陆系统航向道的程度时，航空器驾驶员应立即向管制员报告，根据收到的机组报告和气象信息，空中交通管制部门可依据平行跑道实施方案中的有关程序，及时终止相关平行进近模式或完全终止平行跑道同时仪表运行。

ZUUU AD 2.20 Local traffic regulations

1. Airport operations regulations

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

1.2. For fixed wing turbine engine aircraft (ACASII not equipped and MTOW more than 15000 kilogram or approved passenger seat number more than 30), departure and landing are forbidden during 0000-1400(UTC).

1.3 Simultaneous operations on parallel runways

1.3.1 Three operation modes can be implemented: independent parallel departures, dependent parallel ILS approaches, and segregated parallel approaches/departures. Follow ATC instructions for the specific operation mode, operation time and the runway in use.

1.3.2 Under certain adverse weather conditions(e.g. wind shear, turbulence, down drafts or crosswind) which might increase ILS localizer course deviations to the extent that safety may be impaired, report the situation to controller immediately. According to the reports and weather information, ATC unit will decide the necessity to terminate the dependent parallel approaches or independent parallel ILS operations completely.

1.4 双流机坪（APN）范围：
滑行道：A2以北的C滑，B10（含）以北的B滑，B10(A和C滑之间)。
机坪：所有机坪区域。
特殊区域：A8（含）以北的B滑及231-239停机位，当使用20R起飞时，由塔台管制室管理，当不使用20R起飞时，由双流机坪管理。

1.4 Range of APN(Shuangliu Apron) :

TWYs: TWY C(north of A2), TWY B(north of B10(included)), TWY B10(BTN TWY A& TWY C).

Apron: All aprons.

Special area(TWY B(north of A8(included)) and stands Nr.231-239) : Aircrafts shall follow TWR Control instructions when departing from RWY20R, otherwise, follow APN(Shuangliu Apron) instructions.

2. 跑道和滑行道的使用

2.1 可以通过塔台管制室或双流机坪申请拖车、引导车服务，引导车引导方式如下：

2. Use of runways and taxiways

2.1 Follow-me vehicle service and towing service are available via Tower Control or Shuangliu Apron. The guidance instructions of follow-me vehicle is shown below:

Instructions of guidance	Lights & Display information
Arrival guidance	Emergency flashers ON. The direction of guidance and information of the parking stand.
Departure guidance	Emergency flashers ON. Only the direction of guidance.
Stop taxiing	‘STOP’ .
Termination of guidance	Emergency flashers OFF. Guidance lights OFF. No information.

2.2 禁止航空器在滑行道上做180° 转弯。

2.2 180° turnaround on TWY is strictly forbidden for all aircraft.

2.3 滑行道使用原则：
拖行航空器穿越RWY02L/20R时，使用A3, A4滑行道。

2.3 General rules for the use of taxiways:

TWY A3,A4 are available for towing aircraft across the RWY02L/20R.

2.4 机动区冲突多发地带运行要求
为减少运行差错，降低地面冲突和跑道入侵事件的发生概率，在机场活动区内运行的航空器需严格按照下述的要求进行。

2.4 Operating requirements of hot spots procedure

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

HS1/HS2:
此区域设有I类和II类等待线，I、II类运行时，如未收到进一步管制指令，禁止航空器穿越等待线。

HS1/HS2:

Hold position for ILS CAT I and II established in the area, wait for clearance from ATC to cross.

HS3/HS4:
此区域设有I类等待线，I类运行时，如未收到进一步管制指令，禁止航空器穿越等待线。

HS3/HS4:

Hold position for ILS CAT I established in the area, wait for clearance from ATC to cross.

HS5:
进入该区域前，有 4 个等待标志 HP1-HP4，飞行员应根据管制员指令进入等待。

HS6:
进入该区域前，有 4 个等待标志 HP5-HP8，其中“HP8”为强制位置报告点，飞行员应根据管制员指令进行等待。

HS7:
1. 进入该区域前，有 2 个等待标志 HP9、 HP10，其中 “HP9”为强制位置报告点，飞行员应根据管制员指令进行等待;
2. 此区域设有 I 类和 II 类等待线， I、 II、类运行时，需等待管制员指令，进行穿越。

HS8/HS9:
此区域设有 I类等待线，I类运行时，需等待管制员指令，进行穿越。

2.5 地面常规滑行路线
不同运行模式对应不同标准滑行路线，除管制员特别要求外，进离场航空器使用地面常规滑行路线滑行。

HS5:
Four hold positions (HP1-HP4) established before the area, hold according to ATC instruction.

HS6:
Four hold positions including one compulsory reporting position “HP8” established before the area, hold according to ATC instruction.

HS7:
1.Two hold positions including one compulsory reporting position “HP9” established in the area, hold according to ATC instruction;
2.Hold positions for ILS CAT I and II established, wait for clearance from ATC to cross.

HS8/HS9:
Hold position for ILS CAT I established in the area, wait for clearance from ATC to cross.

2.5 Routine Taxiing Route
Different modes of operations require different taxiing route. Routine Taxiing Routes are established in the aerodrome. Aircraft shall taxi along the Routine Taxiing Route except receiving the specific instruction from controller.

Operation type	Used for	Route ID	Taxiing direction
RWY 02L	Runway 02L for departure	Route 1	BX(X=1-6)/B-B6-A-RWY02L hold position
	Runway 02L for arrival	Route 2	A-BX(X=1-10)-B-stands
RWY 02R	Runway 02R for departure	Route 3	BX(X=1-10)/H7-B-M-D-E1-RWY02R hold position
	Runway 02R for arrival	Route 4	E-E9-N-C-B10-B-stands
RWY 02L and RWY 02R	Runway 02L for departure	Route 5	BX(X=1-10)/A7-A-RWY02L hold position
	Runway 02R for arrival	Route 6	E-E8-N-B/C-B10-B-stands
RWY 02L and RWY 02R	Runway 02L for departure	Route 5	BX(X=1-10)/A7-A-RWY02L hold position
	Runway 02R for departure	Route 3	BX(X=1-10)/H7-B-M-D-E1-RWY02R hold position
	Runway 02R for arrival	Route 4	E-E9-N-C-B10-B-stands
RWY 02L and RWY 02R	Runway 02L for departure	Route 1	BX(X=1-6)/B-B6-A-RWY02L hold position
	Runway 02L for arrival	Route 2	A-BX(X=1-10)-B-stands
	Runway 02R for arrival	Route 4	E-E9-N-C-B10-B-stands

RWY 20L	Runway 20L for departure	Route 7	B-B10-C-N-E9-RWY20L hold position
	Runway 20L for arrival	Route 8	E-E8-M-B-stands
RWY 20R	Runway 20R for departure	Route 9	BX(X=4-10)/A7-A-RWY20R hold position
	Runway 20R for arrival	Route 10	A-BX(X=1-10)/A7-stands
RWY 20L and RWY20R	Runway 20L for departure	Route 7	B-B10-C-N-E9-RWY20L hold position
	Runway 20R for arrival	Route 10	A-BX(X=1-10)/A7-stands
RWY 20L and RWY20R	Runway 20L for departure	Route 7	B-B10-C-N-E9-RWY20L hold position
	Runway 20R for departure	Route 9	BX(X=4-10)/A7 -A-RWY20R hold position
	Runway 20R for arrival	Route 10	A-BX(X=1-10)/A7-stands
RWY 20L and RWY20R	Runway 20L for departure	Route 7	B-B10-C-N-E9-RWY20L hold position
	Runway 20L for arrival	Route 8	E-E8-M-B-stands
	Runway 20R for arrival	Route 10	A-BX(X=1-10)/A7-stands
Remarks:			

2.6 滑行道使用限制 /Taxiway limitation:

滑行道 /TWY	航空器翼展限制 /Wing span limits for aircraft
B(BTN B1&M), B1, C(BTN C2&C5), C2, E, E1-E3, E7-E9, M, N, T2(west of T10)	80m
A,A1-A9,B(BTN B1&B10), B(north of stand Nr.212), B2-B10,C(others),C1,C3-C8,D,D1-D5,E(BTN E9&F),E4-E6, F, H4, H5, H6(south of stand Nr.215), K1, T1(west of T10),T4,T5,T10,V1,V2	65m
H3,H6(north of stand Nr.215),T7(west of stand Nr.151), T9(west of stand Nr.136)	61m
H1, H2, T3	52m
B(BTN B10&stand Nr.212)	39m
H7, K3, T1(east of T10),T2(east of T10),T6, T7(east of stand Nr.151), T8, T9(east of stand Nr.136), T11	36m
B1(BTN B&C), C3	1. Allow aircraft on B1(BTN B&C)and aircraft on C3 to operate independently while: both ⩽ 53m 2. When one of the two TWYs occupied by ACFT with wing span more than 53m, the other TWY only available for ACFT with wing span not exceeding 39m.
B3(BTN B&C), C5	1. Allow aircraft on B3(BTN B&C)and aircraft on C5 to operate independently while: both ⩽ 53m 2. When one of the two TWYs occupied by ACFT with wing span more than 53m, the other TWY only available for ACFT with wing span not exceeding 39m.

C6, C7	1. Allow aircraft on C6 and aircraft on C7 to operate independently while: both ⩽ 53m 2. When one of the two TWYs occupied by ACFT with wing span more than 53m, the other TWY only available for ACFT with wing span not exceeding 39m.
B6(BTN B&C), C8	1. Allow aircraft on B6 (BTN B&C)and aircraft on C8 to operate independently while: both ⩽ 53m 2. When one of the two TWYs occupied by ACFT with wing span more than 53m, the other TWY only available for ACFT with wing span not exceeding 39m.
A2(BTN A&RWY02L/20R)	1. ⩽ 65m (allow landing aircraft to vacate RWY 02L/20R) 2. ⩽ 39m and height ⩽ 15m(when aircraft operated on TWY A(BTN A1&A2),and TWY A2 used for aircraft to enter RWY02L/20R) 3. ⩽ 65m(no aircraft operated on TWY A(BTN A1&A2),and TWY A2 used for aircraft to enter RWY02L/20R)
T5	⩽ 61m(when aircraft with wingspan>52m parking on or enter/exit stand Nr.165)
H1	⩽ 36m(when aircraft with wingspan>52m parking on or enter/exit stand Nr.123)
H2	⩽ 36m(when aircraft with wingspan>52m parking on or enter/exit stand Nr.123)
While an aircraft holding at TWY A2(BTN A &RWY 02L/20R), other aircraft are forbidden to taxi across TWY A2 along TWY A or taxi from TWY B to TWY A via TWY A2.	

2.7 F滑和E9滑以北的E滑运行限制

2.7.1 当有航空器在20L跑道I类着陆或02R跑道II类运行时，在G1等待点以北的E滑以及G2和G3等待点之间的F滑上不能有航空器运行。当有航空器在20L跑道HUD特殊II类着陆时，F滑和E9滑以北的E滑不能有航空器运行。

2.7.2 在对02R跑道航向台进行飞行校验时， F滑及G1等待点以北的E滑不能有航空器运行。

2.7.3 当有航空器在02R跑道起飞时,在G1等待点以北的E滑以及G3等待点以北的F滑上不能有航空器运行。 G3 以南的 F 滑上不能有机高超过10.46m（不含）的航空器运行。

2.7 Operation limitation for TWY F and TWY E(north of TWY E9)

2.7.1 When an aircraft operates CAT I landing on RWY20L or CAT II on RWY02R, other aircraft are forbidden to taxi on TWY E (north of holding point G1), or TWY F (BTN holding point G2 & G3). When an aircraft operates HUD SA CAT II landing on RWY20L, other aircraft are forbidden to taxi on TWY F or TWY E(north of TWY E9).

2.7.2 When LOC flight inspection is carried out on RWY02R, aircraft is forbidden to taxi on TWY F or TWY E(north of holding point G1).

2.7.3 When an aircraft takes off on RWY02R, other aircraft are forbidden to taxi on TWY E(north of holding point G1) and TWY F(north of holding point G3). Aircraft with height more than 10.46m(exclusive) is forbidden to taxi on TWY F(south of G3).

2.8 V1、 V2 滑行道运行限制 /Operation limitation for TWY V1 and TWY V2

TWY in use	TWYs forbidden to use
TWY V1	TWY T1(BTN stands Nr.365-364L), TWY T2(BTN TWY C and stand Nr.315L), TWY V2
TWY V2	TWY T1(BTN stands Nr.365-364L), TWY T2(BTN TWY C and stand Nr.315L), TWY V1

2.9 B747-8 航空器运行规则 /Operation rules for B747-8

2.9.1 跑道 /RWY: RWY02R/20L(main),RWY02L/20R;

2.9.2 滑行道 /TWYs:

A, A1-A6, A8, A9, B(BTN B3&M), B1, B3, C(BTN B3&M), C2, D, D1-D5, E, E1-E9, F, M, N, T2(west of T10);

2.9.3 停机位 /Stands: Nr.162, 313, 505-508, B747-8 shall be guided by follow-me vehicle.

2.9.4 当使用 02L/20R 跑道起飞时 , 须在跑道 B 型等待位置前等待。/When taking off on RWY02L/20R, aircraft shall hold at type B holding position.

2.9.5 不能同时运行的滑行道 /TWYs cannot be used simultaneously

B747-8 on TWYs	TWYs forbidden to use
TWY A (north of TWYB1)	aircraft with wingspan>36m on lateral TWY B
TWY B (north of TWYB1)	lateral TWY A(aircraft with wingspan>36m) & TWY C(aircraft with wingspan>36m)
TWY B (south of TWYB1)	aircraft with wingspan>65m on lateral TWY C
TWY C (north of TWYB1)	aircraft with wingspan>36m on lateral TWY B
TWY C (south of TWYB1)	aircraft with wingspan>65m on lateral TWY B
TWY B3	TWY C5
TWY T2 (west of TWY T10)	aircraft with wingspan>65m on lateral TWY T1

2.9.6 B747-8 航空器滑行路线 /Taxiing route for B747-8

	Parking on stand Nr.162	Parking on stand Nr.313	Parking on stand Nr.505-508
RWY02R for departure	C-B3-A-A1-B-M-D-E1-02R holding point	T2-C-M-D-E1-02R holding point	F-E9-D-D1-02R holding point
RWY02R for arrival	E-E9-N-C to enter parking stand	E-E9-N-C-T2 to enter parking stand	E-E9-F to enter parking stand
RWY20L for departure	C-B3-A-A1-C-N-E9-20L holding point	T2-C-N-E9-20L holding point	F-E9-20L holding point
RWY20L for arrival	D-M-C to enter parking stand	D-M-C-T2 to enter parking stand	E-E9-F to enter parking stand
RWY02L for departure	C-B3-A-A1-02L holding point	T2-C-A1-02L holding point	F-E9-N-C-A1-02L holding point
RWY02L for arrival	A-B3-C to enter parking stand	A-B1-C-T2/A-B3-C-T2 to enter parking stand	A-B1-B-M-E9-F to enter parking stand
RWY20R for departure	C-B3-A-A8-20R holding point	T2-C-B3-A-A8-20R holding point	F-E9-N-C-B6-A-20R holding point
RWY20R for arrival	A-A1-C to enter parking stand	A-A1-C-T2 to enter parking stand	A1-B-M-E9-F/B1-B-M-E9-F to enter parking stand
Remarks:Actual taxiiing route follow ATC instructions.			

2.10 A380 航空器运行规则 /Operation rules for A380

2.10.1 跑道 /RWY: RWY02R/20L;

2.10.2 滑行道 /TWTs: C, D, E ,M, N, C2, T2(west of T10);

2.10.3 停机位 /Stands: Nr.162, 313, A380 shall be guided by follow-me vehicle.

2.10.4 不能同时运行的滑行道 /TWYs cannot be used simultaneously

A380 on TWYs	TWYs forbidden to use
TWY C2	TWY A2
TWY B(BTN TWY A1&TWY B1)	sideward TWY A(aircraft with wingspan>45m) & sideward TWY C(aircraft with wingspan>45m)
TWY C(BTN TWY C2&TWY C5)	TWY B(BTN TWY C2&TWY C5) for aircraft with wingspan>45m
TWY T2	TWY T1(aircraft with wingspan>52m)

2.10.5 A380 航空器滑行路线 /Taxiing route for A380

Parking on stand Nr.162		Parking on stand Nr.313	
RWY02R for departure	C-C2-B-N-E9-E-E1-02R holding point	RWY02R for departure	T2-C2-B-N-E9-E-E1-02R holding point
RWY02R for arrival	E-E9-N-B-C2-C to enter parking stand	RWY02R for arrival	E-E9-N-B-C2-T2 to enter parking stand
RWY20L for departure	C-C2-B-N-E9-20L holding point	RWY20L for departure	T2-C2-B-N-E9-20L holding point
RWY20L for arrival	E-E8-M-B-C2-C to enter parking stand	RWY20L for arrival	E-E8-M-B-C2-T2 to enter parking stand
Remarks:Actual taxiing route follow ATC instructions.			

2.11 AN124 航空器运行规则 /Operation rules for AN124

2.11.1 跑道 /RWY:RWY02R/20L(main), RWY02L/20R;

2.11.2 滑行道 /TWYs: C, D, E, M, N, C2,T2(west of T10);

2.11.3 停机位 /Stands: Nr.162, 313, AN124 shall be guided by follow-me vehicle.

2.11.4 AN124 航空器滑行路线 /Taxiing route for AN124

Parking on stand Nr.162		Parking on stand Nr.313	
RWY02R for departure	C-C2-B-N-E9-E-E1-02R holding point	RWY02R for departure	T2-C2-B-N-E9-E-E1-02R holding point
RWY02R for arrival	E-E9-N-B-C2-C to enter parking stand	RWY02R for arrival	E-E9-N-B-C2-T2 to enter parking stand
RWY20L for departure	C-C2-B-N-E9-20L holding point	RWY20L for departure	T2-C2-B-N-E9-20L holding point
RWY20L for arrival	E-E8-M-B-C2-C to enter parking stand	RWY20L for arrival	E-E8-M-B-C2-T2 to enter parking stand
RWY02L for departure	C-B3-A-A1-02L holding point	RWY02L for departure	T2-C-A1-02L holding point

RWY02L for arrival	A-B3-C to enter parking stand	RWY02L for arrival	A-B1-C-T2/A-B3-C-T2 to enter parking stand
RWY20R for departure	C-B3-A-A8-20R holding point	RWY20R for departure	T2-C-B3-A-A8-20R holding point
RWY20R for arrival	A-A1-C to enter parking stand	RWY20R for arrival	A-A1-C-T2 to enter parking stand

2.11.5 不能同时运行的滑行道 /TWYs cannot be used simultaneously

AN124 on TWYs	TWYs forbidden to use
TWY C2	TWY A2
TWY B(BTN TWY A1&TWY B1)	sideward TWY A(aircraft with wingspan>45m) & sideward TWY C(aircraft with wingspan>45m)
TWY C(BTN TWY C2&TWY C5)	TWY B(BTN TWY C2&TWY C5) for aircraft with wingspan>45m
TWY T2	TWY T1(aircraft with wingspan>52m)

2.12 对机组的要求：

2.12.1 在塔台管制室管制范围内，由塔台管制室发布滑行指令，在双流机坪管制范围内，由双流机坪发布滑行指令。

2.12.2 在脱离跑道首次与地面管制联系时，尤其是在地面能见度较差的情况下，必须向地面管制员报告脱离的跑道和所使用的滑行道。

2.12.3 申请正在使用跑道以外的跑道起降，必须征得ATC的许可方能使用。

2.12.4 在ATC的许可下，由机组根据短距起飞工作程序及机型翼展、机高的限制，自行决定是否使用非全跑道起飞。

2.12 Requirements for pilots:

2.12.1 Tower Control and Shuangliu Apron shall issue taxiing instructions in their own control areas only.

2.12.2 Pilot shall report the designation of the RWY having been vacated and TWY designation being in use on initial contact with GND, especially under low visibility conditions.

2.12.3 Pilot shall obtain the clearance from controller before changing the RWY in use.

2.12.4 With ATC clearance, flight crew can conduct the Shortened Distance Taking-off Procedures.

3. 机坪和机位的使用

3.1 离场飞行的航空器须在推出开车前 10 分钟根据通波（ATIS）公布的初始联系频率向塔台管制室申请放行许可，取得放行许可后，须继续在该管制频率守听。当机组完全准备好（包括拖车就位）申请推出开车时，应告知塔台放行管制席已完全准备就绪，并按照塔台放行许可发布席的指令转频到双流机坪，由双流机坪负责推出开车顺序。

3. Use of aprons and parking stands

3.1 Departure aircraft shall contact the "initial contact frequency" issued by ATIS to obtain delivery clearance, but shall be no earlier than 10 minutes of the estimated push-back time, then keep listening the frequency. Contact TWR Control to inform having been ready and change frequency to Shuangliu Apron according to ATC instruction, Shuangliu Apron is responsible for push-back and start-up sequence.

3.2 双流机坪发布的推出开车许可指令，机组必须在5分钟内执行，否则，需要重新申请。

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

3.3 起飞及着陆航空器占用跑道时间要求:
起飞航空器从等待位置到对正跑道时间应在 60 秒内 ,着陆航空器从接地到滑出跑道时间应该在50秒内，运行中航空器不能满足上述跑道占用时间要求的，应当及时通知管制单位。

3.3 Time requirement of occupying runway for departure and landing aircraft:

Departure aircraft shall finish RWY alignment within 60 seconds after leaving hold position, landing aircraft shall fully vacate RWY within 50 seconds after touch down.If pilot consider that they can not fulfill the time requirement, they shall inform ATC controller as soon as possible.

3.4 F 类航空器进出 162/313 号停机位需由引导车引导;

3.4 Aircraft type F entering into/exiting parking stands Nr.162/313 shall be guided by follow-me vehicle;

3.5 发动机试车，需经双流机坪许可，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;

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

Engine run-up location	Description
TWY B (north of stand Nr.239)	1.Available for aircraft with wingspan ⩽ 65m. 2.Nose to south. 3.While engine run-up, aircraft push-back via stand Nr.237 is forbidden, aircraft taxi in/push-back via stands Nr.238 and 239 is forbidden. 4.Apply in advance.

3.6 停机位对停放航空器的翼展限制 /Wing span limits for aircraft parking on the following stands:

停机位 /Stands	航空器翼展限制 / Wing span limits for aircraft	机身长度限制 / Fuselage limits for aircraft
Stands Nr.162, 313	80m	
Stands Nr.505-508	68.5m	76.3m
Stands Nr.420-422	65m	75.5m
Stands Nr.103, 104, 106, 112, 132, 134, 147, 149, 164, 176, 314-319, 326, 362-364	65m	
Stands Nr.357, 358, 501, 502	65m	70.66m
Stands Nr.231-235,503-504	65m	70.7m
Stands Nr.102, 107, 121,123, 135,150,165, 213, 214	61m	
Stand Nr.229	61m	64m
Stands Nr.301-306	52m	
Stand Nr.175	48m	

Stand Nr.131	45m	
Stands Nr.111, 114, 115, 124	39m	
Stands Nr.110, 126-128, 139-141, 154-157, 225-227	36m	40m
Stands Nr.346-349	36m	39.5m
Stands Nr. 101, 129, 130, 137, 138, 142, 152, 153, 158, 159, 342, 343	36m	39m
Stand Nr. 350	36m	38m
Stands Nr.236-239	36m	37.6m
Stands Nr.355, 356	36m	34m
Stands Nr.105, 113, 120, 122, 136, 143-146, 151, 160, 161, 166-174, 177, 201-208, 211, 212, 215-218, 224, 230, 307-312, 313L/R,314L/R,315L/R,316L/R, 317L/R, 318L/R, 319L/R, 326L/R, 327-334, 336-339, 352-354,357L/R, 359, 360, 361, 362L/R, 364L/R, 365, 505L/R, 506L/R, 507L/R, 508L/R	36m	
Stand Nr.351	36m	A319, B737-300
Stands Nr.116, 119	36m	A320, B738 and below
Stands Nr.108, 109, 117, 118	36m	A319, B735 and below
Stands Nr.320-324,401-403, 606-618	36m	45m
Stand Nr.125	35m	A320, B738 and below
Stands Nr. 210, 219	35m	
Stands Nr. 340, 341	31m	39.5m
Stand Nr.335	30m	
Stand Nr. 345	29m	33m
Stands Nr.209, 228	23m	

3.7 航空器进出停机位的滑行限制 /Limits 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	顶推出机头方向 / Nose direction after push-back
Stands Nr.101,213,214,229,230	H5	H5	Nose to West(101) Nose to South(213-214, 229, 230)
Stands Nr. 102-104	H5	H5	Push back to H6(south of stand Nr.215), nose to South
Stand Nr.105, 113, 122	C	C	Follow ATC instructions

Stands Nr.106-112	H4	H4	Nose to West
Stands Nr.114-121	H3	H3	Nose to West
Stand Nr.123	H2	C	Follow ATC instructions
Stands Nr.124, 125	H1	H2	Nose to North
Stands Nr.126-131	H1	H2	Nose to North(126,127) Nose to East(128-131)
Stands Nr.132,134,135,147, 149,150,162,164	C	C	Follow ATC instructions
Stands Nr.136-140	T8	T9	Nose to North(137-140) Nose to West(136)
Stands Nr.141-146	T8	T9	Nose to East
Stands Nr.151-161	T6	T7	Nose to West(151) Nose to North(152-155) Nose to East(156-161)
Stands Nr.165-177	T4	T5	Nose to West(165-176) Nose to Southwest(177)
Stands Nr.201-212	B	B	Nose to South
Stands Nr.215-219, 224	H5-H6 or H7-H6	H6-H7 or H6-H5	Follow ATC instructions
Stands Nr.225-228	H7	H7	Nose to North(225, 226) Nose to West(227, 228)
Stands Nr.231-239	B	B	Nose to South
Stands Nr.301-312	T4	T3	Nose to West
Stands Nr.313-319 (include combined stands), 336-343	T2	T2	Nose to West(313-319(include combined stands),336-339) Nose to Northwest(340-342) Nose to Northeast(343)
Stands Nr.320-324	T10	T10	Follow ATC instructions
Stands Nr.355, 356	T10	T10	Nose to North
Stands Nr.326-335 (include combined stands)	T10	T10	Nose to North
Stands Nr. 345-347	T2	T11	Nose to Northeast
Stands Nr. 348-350	T1	T11	Nose to Northeast

Stands Nr.351-354, 357-359(include combined stands), 360-365(include combined stands),	T1	T1	Nose to West(352-354,357-359(include combined stands),360-365(include combined stands)) Nose to Northwest(351)
Stands Nr.401-403	T11	T11	Nose to Southwest
Stands Nr.420-422	K1	K1	Nose to Northeast
Stands Nr.501,502	E-F	F-E	Nose to South
Stand Nr.503	F	F	Nose to South
Stands Nr.504, 505-508(include combined stands)	F	F	Nose to North
Stands Nr.606-618	K3	K3	Nose to West
Remarks:			

3.8 不能同时使用的机位 /Stands forbidden to be used simultaneously

The stand in use	The stands forbidden to be used
Nr.313	Nr.313L/R
Nr.314	Nr.314L/R
Nr.315	Nr.315L/R
Nr.316	Nr.316L/R
Nr.317	Nr.317L/R
Nr.318	Nr.318L/R
Nr.319	Nr.319L/R
Nr.326	Nr.326L/R
Nr.357	Nr.357L/R
Nr.362	Nr.362L/R
Nr.364	Nr.364L/R
Nr.162(wingspan>65m)	Nr.164(wingspan>52m)
Nr.505	Nr.505L/R
Nr.506	Nr.506L/R
Nr.507	Nr.507L/R
Nr.508	Nr.508L/R

3.9 地面电源方面，126-177 廊桥机位（T2），101-117 廊桥机位 （T1）配备有 400Hz 电源，除 135, 150, 165 桥位只能提供单组电源外，其他桥位可提供允许停放的全部机型使用电源。 301-306、326-345、326L/R、316L、317L、318L/R、319L 机位（远机位南头）只配备了 400Hz 电源，无地面空调。建议停放在以上廊桥机位的航空器关闭机上 APU，使用地面提供的 400Hz 电源和空调系统。

3.9 Boarding bridge stands Nr.126-177(T2), 101-117(T1) are equipped with 400Hz ground power unit, which is available for all types of aircraft that allowed to all boarding bridge except stands Nr. 135, 150, 165. Stands Nr.301-306, 326-345, 326L/R, 316L, 317L, 318L/R, south of 319L are only equipped with 400Hz ground power unit, no ground air supply unit. It is suggested that aircraft parking on the above stands power off airborne APU, use 400Hz ground power unit and ground air supply unit whenever possible.

Boarding bridge	Ground air supply unit
Nr. 129, 130, 136-145, 151-160, 166-174, 177	AC215X
Nr. 101-117, 126-128, 131, 132, 134, 135, 146-150, 161-165, 175, 176	AC315X
Nr. 162(vice bridge)	AC385X

3.10 滑入及滑出停机位的规定 /Rules for entering/exiting stands:

机位 /Stands	滑入方式 /Enter by	滑出方式 /Exit by	航空器翼展限制 / Wing span limits for aircraft
Nr.313L/R	Taxi-in	Push-out	
Nr.314L/R	Taxi-in	Push-out	
Nr.315L/R	Taxi-in	Push-out	
Nr.320	Taxi-in	Push-out/ taxi-out	⩽ 24m
	Taxi-in	Push-out	>24m
Nr.321	Taxi-in	Push-out	
Nr.322	Taxi-in	Push-out	
Nr.323	Taxi-in	Push-out	
Nr.324	Taxi-in	Push-out/ taxi-out	⩽ 24m
	Taxi-in	Push-out	>24m
Nr.362L/R	Taxi-in	Push-out	
Nr.364L/R	Taxi-in	Push-out	

使用313L/R、314L/R、315L/R机位，当入位航空器未停稳时，相邻机位航空器不得滑入或推出，且机位后方 T2 滑行道不得有航空器滑行；使用362L/R、364L/R机位，当入位航空器未停稳时，相邻机位航空器不得滑入或推出，且机位后方T1滑行道不得有航空器滑行，以上停机位全部提供地面引导服务。

While aircraft entering stands Nr.313L/R,314L/R,315L/R in process, adjacent stands are not available for aircraft to enter/ exit, and TWY T2 behind the stands are not available for taxiing; while aircraft entering stands Nr.362L/R,364L/R in process, adjacent stands are not available for aircraft to enter/ exit, and TWY T1 behind the stands are not available for taxiing. Ground guidance service is available for these parking stands.

使用 320-324 机位，当入位航空器未停稳时，相邻机位航空器不得滑入或推出，且机位后方滑行道不得有航空器滑行。

While aircraft entering stands Nr.320, 321, 322, 323, 324 in process, adjacent stands are not available for aircraft to enter/ exit, and TWYs behind the stands are not available for taxiing

停放于364和364R机位的航空器须顶推过HP14，机头方向向西；停放于314和314R机位的航空器须顶推过HP15，机头方向向西。

Aircrafts paking on stands Nr.364 and Nr.364R should be pushed back through HP14, nose to west. Aircrafts parking on stands Nr.314 and Nr.314R should be pushed back through HP15, nose to west.

4. 进、离场管制规定

无

4. Air traffic control regulations

Nil

5. 机场的 II/III 类运行

5.1. 成都/双流机场02L号跑道装有II类仪表着陆系统，02R号跑道装有III类仪表着陆系统。

5.2. 使用 02L/20R 离场航空器通常自 A 滑行道进入跑道。

5.3 实施低能见度运行程序时，所有进、出港航空器的滑行必须由引导车引导。

5.4 实施低能见度运行程序时，不允许出港航空器经 A2(A滑行道与02L/20R跑道之间)、E2或E8滑行道进入跑道直接起飞。

5.5 实施低能见度运行程序时，注意观察停止排灯。

5. CAT II/III operations at AD

5.1. RWY02L of CHENGDU/Shuangliu Airport is equipped with ILS CAT II, RWY02R of CHENGDU/Shuangliu Airport is equipped with ILS CAT III.

5.2. Departing aircraft using RWY02L/20R shall normally enter RWY from TWY A.

5.3 While Low Visibility Procedure is being operated, all taxiing aircraft shall be guided by follow-me vehicle.

5.4 While Low Visibility Procedure is being operated, the departure aircraft is forbidden to enter RWY to take off via TWY A2(BTN A &RWY 02L/20R), E2 or E8.

5.5 Observe the stop bars during Low Visibility Procedure operation.

6. 除冰规则

无

6. Rules for deicing

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 激光设备发出绿色光束，夜间光束醒目，不穿越跑道，提醒机组注意。

8.1 Laser bird dispersal equipments transmitting green light, flight crew should pay exercise caution while take-off and landing.

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

ZUUU AD 2.21 噪音限制规定及减噪程序

ZUUU AD 2.21 Noise restrictions and Noise abatement procedures

1. 噪音限制规定

1. Noise restrictions

1.1 航空器起飞减噪操作程序，用于起飞爬升阶段，在确保飞行安全的前提下，尽量减少噪音对地面的影响。

1.1 Noise abatement departure procedure is used while climbing. Under condition of insuring flight safety, reduce the impact of noise on ground.

1.2 在保证安全超障和飞行程序最低爬升梯度的条件下，要求所有飞行员执行以下减噪飞行操作程序，由于非管制原因不执行减噪飞行操作程序，飞行员须在起飞前告知空中交通管制员并说明理由(校验飞行等特殊飞行除外)。

1.2 Under condition of complying with the requirements of obstacle clearance and climb gradient required by flight procedure, the following noise abatement procedures shall be implemented by pilots. 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).

2. 减噪程序 （按照NADP1执行）

2. Noise abatement procedures (followed by NADP1)

2.1 在航空器起飞性能允许情况下，尽可能使用减推力起飞。

2.1 Use the reduced thrust to take off if aircraft performance permits.

2.2 在到达场压高 1500ft 时，起始爬升速度 V2+20km/h(10kt)，开始减功率 / 推力，减小机身角 / 俯仰角，保持可靠上升率和起飞襟翼 / 缝翼继续爬升。

2.2 At flight height of 1500ft (QFE)， with a climb speed of V2 plus 20km/h(10kt), reduce engine power/thrust and angle of fuselage/pitch, maintain a positive rate of climb and flaps/ slats in the take-off configuration.

2.3 保持减功率 / 推力和可靠的上升率，场压高 3000ft 以上时，平稳加速至航路爬升速度，按规定收襟翼 / 缝翼。

2.3 Maintain reduced engine power/thrust and positive rate of climb. While flight height is more than 3000ft (QFE), accelerate smoothly to en-route climb speed and retract flaps/slats on schedule.

ZUUU AD 2.22 飞行程序

ZUUU AD 2.22 Flight procedures

1. 总则

1. General

使用02L/20R号跑道进近时，未经ATC许可禁止偏向五边西侧；使用02L跑道离场时，未经ATC许可禁止偏向一边西侧。

When approaching to RWY02L/RWY20R, deviation to the west of the final approach course is forbidden without ATC permission; when departing from RWY02L, deviation to the west of the up wind course is forbidden without ATC permission.

2. 起落航线

通常，起落航线在跑道两侧均可，高度为修正海压1200m。

2. Traffic circuits

Usually, traffic circuits can be made to both sides of RWY, at the altitude 1200m （QNH）.

3. 仪表飞行程序

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。

3.2 双流机场向北运行时前往 OGOMO 方向离场的航空器，需具备按给定的离场程序正切金堂 'JTG' 或过金堂 'JTG' 高度不低于 4200m 的爬升性能。如不具备，机组应在起飞后立即向ATC说明情况，ATC将根据空中飞行情况采取措施解决冲突。

3.3 前往资阳'ZYG'方向执行ZYG-9W离场的航空器，需具备正切五凤溪 'WFX' 高度不低于 4500m 的爬升性能。如不具备，机组应在起飞后立即向ATC说明情况，ATC将根据空中飞行情况采取措施解决冲突。

3.4 前往双流机场落地的航空器，除 ATC 有特殊要求外，飞行员应严格执行程序图公布的速度。如机组因机型性能等原因不能执行此速度限制时，应提前报告ATC。为保证运行效率，ATC将对未提前报告不能执行公布速度的航空器重新安排落地次序。

3. IFR flight procedures

3.1 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.

3.2 The departing aircrafts to OGOMO need to have the climbing performance 4200m or above when abeam or fly over JINTANG 'JTG'. If not, flight crew shall report to ATC immediately after taking off. Then ATC will resolve conflicts according to air traffic conditions.

3.3 The departing aircrafts via route ZYG-9W need to have the climbing performance 4500m or above when abeam WUFENGXI 'WFX'. If not, flight crew shall report to ATC immediately after taking off. Then ATC will resolve conflicts according to air traffic conditions.

3.4 Aircraft landing at Shuangliu airport shall abide by the rules about the IAS limitation except special limitation required by ATC.

If flight crew can not implement the speed limitations due to aircraft performance, flight crew shall inform ATC in advance, otherwise, ATC will rearrange landing sequence.

4. 雷达程序和 / 或 ADS-B 程序

4.1 成都进近管制区域内实施雷达管制。航空器最小水平间隔为6km，最小垂直间隔为300m。

4.2 在最后进近航段距跑道末端18.5km（10NM）范围内，可向两架跟进落地的航空器提供5km的最小雷达间隔。

4. Radar procedures and/or ADS-B procedures

4.1 Radar control within Chengdu APP has been implemented. The minimum horizontal radar separation is 6km, the minimum vertical radar separation is 300m .

4.2 Within 18.5km(10NM) from approaching RWY END, the minimum radar separation between two following approaching aircrafts can be reduced to 5km by ATC.

5. 无线电通信失效程序

5.1 航空器与管制单位在使用中的无线电频率及应急频率 121.5MHz 联系未果后，航空器应使用卫星电话与成都进近（电话：86-28-85702680；86-28-85861798）联系。如果电话能够与成都进近取得联系，陆空双方可临时使用电话进行通讯。如果电话联系未果，按通讯失效性质分别处理。

5.2 航空器机载设备通讯失效：航空器确认机载设备通讯失效后，应：

5.2.1 将应答机设置为 7600。

5.2.2 航空器如果只具有信号接收能力，按管制员的提示飞行。

5.2.3 航空器如果只具有信号发射能力，航空器驾驶员应当立即将飞行意图告知管制员，并及时报告位置和高度信息，管制员根据航空器驾驶员报告的意图迅速调配其他航空器避让。

5.2.4 航空器双向通信失效

5.2.4.1 进场航空器发生双向通信失效时若已得到进场程序、进近程序、落地跑道，则按照标准程序自主领航着陆。

5.2.4.2 其他情况，航空器上升或下降到修正海压高度2700m或安全高度(两者取高)向BHS归航，加入 BHS 右盘旋等待 360° 或以上，继续执行 5.2.4.3。

5.2.4.3 根据航行通告自行选择未关闭的跑道，并结合通播或风向风速自行确定着陆方向，按照标准仪表进近程序自主领航着陆。

5.3 管制单位通信失效

管制单位无线电收发功能失效，航空器无法与管制单位建立有效的通信联系时，航空器应联系上一管制单位，并按照上一管制单位的管制指令继续飞行。

5.4 无线电通信恢复

失去通信联络的航空器已经着陆，或者已经恢复联络的，可恢复正常的管制运行，并立即通知相关管制单位。

6. 目视飞行程序

5. Radio communication failure procedures

5.1 If aircraft has communication failure with ATC unit on using radio frequency or emergency frequency(121.5MHz), pilot shall contact Chengdu Approach by satellite phone (phone number: 86-28-85702680 ； 86-28-85861798). If getting in touch, pilot and controller could communicate by satellite phone temporarily. Otherwise, handle it repectively by different communicaton failure types.

5.2 Aircraft on-load equipment failure: After confirming on-load equipment failure, pilot shall execute following instructions.

5.2.1 Set transponder code to 7600.

5.2.2 If radio receiver is available and transmitter not, pilot shall follow ATC instructions .

5.2.3 If radio transmitter is available and receiver not, pilot shall inform controller of flight intention immediately, report position and flight altitude. Controller shall command other aircrafts to avoid the conflict.

5.2.4 Aircraft two-way conmmunication failure

5.2.4.1 If aircraft has received information about arrival procedure, approach procedure and landing RWY, pilot shall follow the relative RWY IAP to land by own navigation.

5.2.4.2 In other conditions, aircraft shall climb/descend to 2700m (QNH) or safety altitude (choose the higher of two) to BHS, and join BHS right turn holding pattern. Then pilot shall execute the next instruction(5.2.4.3).

5.2.4.3 Choose unclosed RWY according to NOTOM and decide landing direction based on ATIS or wind information. Pilot shall follow the relative RWY IAP to land by own navigation.

5.3 Radio equipment failure in ATC unit

If pilot has coummunication failure with ATC due to ATC unit's radio receiver/transmitter failure. Pilot shall contact last ATC unit to continue.

5.4 Radio communication resume to normal

Once the aircraft experiencing communication failure land or resume communication, the ATC unit shall resume normal operation and inform concerned units immediately.

6. Procedures for VFR flights

无

Nil

7. 目视飞行航线

7. VFR route

无

Nil

8. 目视参考点

8. Visual reference point

无

Nil

9. 其它规定

9. Other regulations

无

Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

Waypoint Coordinates

Waypoint ID	COORDINATES	Waypoint ID	COORDINATES
UU401	N303829.6 E1035834.9	UU702	N301825.2 E1035740.7
UU402	N304026.8 E1035929.5	UU703	N295816.8 E1034819.9
UU403	N304512.3 E1040808.7	UU710	N300819.1 E1035259.4
UU404	N302955.0 E1035435.4	UU711	N303311.0 E1040434.5
UU405	N305341.8 E1041607.9	UU712	N304512.7 E1041013.3
UU406	N303923.9 E1041150.0	UU713	N305521.9 E1041500.5
UU407	N303441.6 E1035832.1	UU801	N300101.3 E1040736.0
UU411	N304339.5 E1035333.3	UU802	N300400.9 E1040141.2
UU412	N305212.8 E1040419.4	UU803	N300935.9 E1040417.2
UU420	N303316.9 E1035609.2	UU804	N301510.8 E1040653.5
UU421	N302335.3 E1040005.3	UU805	N301254.8 E1041319.2
UU422	N301632.6E1041959.9	UU806	N302035.3 E1042348.5
UU423	N304801.3 E1043453.1	UU807	N303840.6 E1044735.1
UU424	N301539.5 E1043115.0	UU811	N304412.5 E1044448.2
UU426	N301832.7 E1035424.6	UU812	N304224.3 E1041812.3
UU431	N302005.1 E1035000.1	UU901	N302756.5 E1034612.0

UU432	N301031.7E1041710.5	UU902	N302311.4 E1034401.8
UU503	N302057.6 E1035026.0	UU903	N300302.1 E1033443.4
UU504	N301552.6 E1034804.8	UU910	N301308.5 E1033922.9
UU505	N301051.2 E1034545.6	UU911	N303802.5 E1035055.2
UU506	N300549.7 E1034326.6	UU912	N305000.2 E1035631.2
UU507	N300048.3 E1034107.8	UU913	N310010.0 E1040117.2
UU513	N304746.1 E1040254.8	BHS	N3030.7 E10412.0
UU514	N305247.2 E1040515.7	CDX	N3115.0 E10422.8
UU515	N305755.8 E1040740.5	CTU	N3034.4 E10356.6
UU613	N302039.0 E1035118.9	CZH	N3038.7 E10341.2
UU614	N301534.0 E1034857.7	FJC	N2955.7 E10418.2
UU615	N301032.6 E1034638.4	HLC	N3018.1 E10341.7
UU616	N300531.2 E1034419.3	JTG	N3052.3 E10423.4
UU617	N300029.7 E1034200.5	WFX	N3036.4 E10429.5
UU623	N304727.8 E1040348.0	ZYG	N3007.1 E10440.6
UU624	N305228.8 E1040609.1	OGOMO	N3051.1 E10500.3
UU625	N305737.5 E1040833.9	PANKO	N3105.8 E10444.9
UU701	N302556.7 E1040111.3	TEBUN	N3039.7 E10456.9

RWY02L SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
CZH-9W								
CF	UU402	Y	024			MAX205		RNP1
DF	UU403	Y		R				RNP1
DF	UU404			R				RNP1
TF	CZH							RNP1
CZH-8T(BY ATC)								
VA			009		700	MAX205		RNP1
DF	UU411	Y		L				RNP1
DF	CZH			L				RNP1
CDX-8T(BY ATC)								

VA			009		700	MAX205		RNP1
DF	UU411	Y		L				RNP1
DF	UU412			R				RNP1
TF	UU405							RNP1
TF	CDX							RNP1
CDX-9W								
CF	UU402	Y	024			MAX205		RNP1
DF	UU403	Y		R				RNP1
DF	UU405			L				RNP1
TF	CDX							RNP1
OGO-9W								
CF	UU402	Y	024			MAX205		RNP1
DF	UU403	Y		R				RNP1
DF	OGOMO			R				RNP1
ZYG-9W								
CF	UU402	Y	024			MAX205		RNP1
DF	UU403	Y		R				RNP1
DF	ZYG			R				RNP1
ZYG-8T(BY ATC)								
VA			009		700	MAX205		RNP1
DF	UU411	Y		L				RNP1
DF	UU404			L				RNP1
TF	ZYG							RNP1

RWY02R SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
Transition								
CF	UU407	Y	039			MAX205		RNP1
DF	UU406	Y		R				RNP1
CZH-9X								
IF	UU406	Y						RNP1

DF	UU404			R				RNP1
TF	CZH							RNP1
CDX-9X								
IF	UU406	Y						RNP1
DF	UU405			L				RNP1
TF	CDX							RNP1
OGO-9X								
IF	UU406	Y						RNP1
TF	OGOMO							RNP1
ZYG-9X								
IF	UU406	Y						RNP1
DF	ZYG			R				RNP1

RWY20L SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
CZH-9Y								
VA			189		1700	MAX205		RNP1
DF	CZH			R				RNP1
CDX-8Y								
VA			189		1700	MAX205		RNP1
DF	CTU			R				RNP1
TF	UU515							RNP1
TF	CDX							RNP1
CDX-9Y								
VA			189		700	MAX205		RNP1
DF	UU421			L				RNP1
TF	UU422							RNP1
TF	WFX							RNP1
TF	UU423							RNP1
TF	CDX							RNP1
OGO-9Y								

VA			189		700	MAX205		RNP1
DF	UU421			L				RNP1
TF	UU422							RNP1
TF	UU424							RNP1
TF	UU811							RNP1
TF	OGOMO							RNP1
ZYG-9Y								
CF	UU426		189			MAX205		RNP1
TF	UU432							RNP1
TF	ZYG							RNP1

RWY20R SID Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
CZH-9Z								
CA			204		1400	MAX205		RNP1
DF	CZH			R				RNP1
CDX-8Z								
CA			204		1400	MAX205		RNP1
DF	CTU			R				RNP1
TF	UU515							RNP1
TF	CDX							RNP1
CDX-9Z								
CF	UU431		204			MAX205		RNP1
TF	UU432							RNP1
TF	WFX							RNP1
TF	UU423							RNP1
TF	CDX							RNP1
OGO-9Z								
CF	UU431		204			MAX205		RNP1
TF	UU432							RNP1
TF	UU424							RNP1

TF	UU811							RNP1
TF	OGOMO							RNP1
ZYG-9Z								
CF	UU431		204			MAX205		RNP1
TF	UU432							RNP1
TF	ZYG							RNP1

RWY02L/02R STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
CZH-9J								
IF	CZH					MAX260		RNP1
TF	UU901							RNP1
TF	UU902				↑ 1500	MAX200		RNP1
FJC-9J								
IF	FJC					MAX260		RNP1
TF	UU801							RNP1
TF	UU802							RNP1
TF	UU803							RNP1
TF	UU804							RNP1
TF	UU702				↑ 1500	MAX200		RNP1
CDX-9J								
IF	CDX							RNP1
TF	WFX					MAX260		RNP1
TF	BHS							RNP1
TF	UU701							RNP1
TF	UU702				↑ 1500	MAX200		RNP1
TEB-6J								
IF	TEBUN							RNP1
TF	UU807							RNP1
TF	WFX					MAX260		RNP1
TF	BHS							RNP1

TF	UU901							RNP1
TF	UU902				↑ 1500	MAX200		RNP1
TEB-9J								
IF	TEBUN							RNP1
TF	UU807					MAX260		RNP1
TF	UU806							RNP1
TF	UU805							RNP1
TF	UU804							RNP1
TF	UU702				↑ 1500	MAX200		RNP1
PAN-8J(BY ATC)								
IF	PANKO							RNP1
TF	UU913					MAX260		RNP1
TF	UU912							RNP1
TF	UU911							RNP1
TF	UU901							RNP1
TF	UU902				↑ 1500	MAX200		RNP1
PAN-6J								
IF	PANKO							RNP1
TF	WFX					MAX260		RNP1
TF	BHS							RNP1
TF	UU901							RNP1
TF	UU902				↑ 1500	MAX200		RNP1
PAN-9J								
IF	PANKO							RNP1
TF	WFX					MAX260		RNP1
TF	BHS							RNP1
TF	UU701							RNP1
TF	UU702				↑ 1500	MAX200		RNP1

RWY02L Transition Navigation database coding table

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

UU702								
IF	UU702				↑ 1500	MAX200		RNP1
TF	UU710					AT180		RNP1
TF	UU703							RNP1
TF	UU507							RNP1
TF	UU506							RNP1
TF	UU505							RNP1
TF	UU504					AT180		RNP1
TF	UU503				1500			RNP1
UU902								
IF	UU902				↑ 1500	MAX200		RNP1
TF	HLC							RNP1
TF	UU910					AT180		RNP1
TF	UU903							RNP1
TF	UU507							RNP1
TF	UU506							RNP1
TF	UU505							RNP1
TF	UU504					AT180		RNP1
TF	UU503				1500			RNP1

RWY02L Missed approach Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
RWY02L Missed Approach								
CF	UU401	Y	024			MAX200		RNP1
DF	BHS			R	1800			RNP1

RWY02R Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
UU702								
IF	UU702				↑ 1500	MAX200		RNP1

TF	UU710					AT180		RNP1
TF	UU703							RNP1
TF	UU617							RNP1
TF	UU616							RNP1
TF	UU615							RNP1
TF	UU614					AT180		RNP1
TF	UU613				1200			RNP1
UU902								
IF	UU902				↑ 1500	MAX200		RNP1
TF	HLC							RNP1
TF	UU910					AT180		RNP1
TF	UU903							RNP1
TF	UU617							RNP1
TF	UU616							RNP1
TF	UU615							RNP1
TF	UU614					AT180		RNP1
TF	UU613				1200			RNP1

RWY02R Missed approach Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
RWY02R Missed Approach								
CA			024		700	MAX200		RNP1
DF	BHS			R	1500			RNP1

RWY02L/02R Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
Holding(outbound time: 1minute)								
HM	CZH	Y	160	L	3900			RNP1
HM	UU801	Y	302	L	2400			RNP1
HM	WFX	Y	251	L	2700			RNP1

HM	UU806	Y	232	L	2400			RNP1
HM	UU913	Y	263	L	2700			RNP1

RWY20L/20R STAR Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
FJC-6L								
IF	FJC					MAX260		RNP1
TF	UU710							RNP1
TF	UU711							RNP1
TF	UU712				↑ 1500	MAX200		RNP1
FJC-9L								
IF	FJC					MAX260		RNP1
TF	UU710							RNP1
TF	UU910							RNP1
TF	HLC							RNP1
TF	UU911							RNP1
TF	UU912				↑ 1500	MAX200		RNP1
CZH-9L								
IF	CZH					MAX260		RNP1
TF	UU911							RNP1
TF	UU912				↑ 1500	MAX200		RNP1
CDX-9L								
IF	CDX							RNP1
TF	JTG					MAX260		RNP1
TF	UU812							RNP1
TF	BHS							RNP1
TF	UU711							RNP1
TF	UU712				↑ 1500	MAX200		RNP1
PAN-9L								
IF	PANKO							RNP1
TF	JTG					MAX260		RNP1

TF	UU812							RNP1
TF	BHS							RNP1
TF	UU711							RNP1
TF	UU712				↑ 1500	MAX200		RNP1
TEB-9L								
IF	TEBUN							RNP1
TF	UU811					MAX260		RNP1
TF	UU423							RNP1
TF	JTG							RNP1
TF	UU812							RNP1
TF	BHS							RNP1
TF	UU711							RNP1
TF	UU712				↑ 1500	MAX200		RNP1
TEB-6L								
IF	TEBUN							RNP1
TF	UU811					MAX260		RNP1
TF	WFX							RNP1
TF	BHS							RNP1
TF	UU711							RNP1
TF	UU712				↑ 1500	MAX200		RNP1

RWY20L Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
UU712								
IF	UU712				↑ 1500	MAX200		RNP1
TF	UU713					AT180		RNP1
TF	UU625							RNP1
TF	UU624					AT180		RNP1
TF	UU623				1500			RNP1
UU912								
IF	UU912				↑ 1500	MAX200		RNP1

TF	UU913					AT180		RNP1
TF	UU625							RNP1
TF	UU624					AT180		RNP1
TF	UU623				1500			RNP1

RWY20L Missed approach Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
RWY20L Missed Approach								
CA			204		700	MAX200		RNP1
DF	BHS			L	1500			RNP1

RWY20R Transition Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
UU712								
IF	UU712				↑ 1500	MAX200		RNP1
TF	UU713					AT180		RNP1
TF	UU515							RNP1
TF	UU514					AT180		RNP1
TF	UU513				1200			RNP1
UU912								
IF	UU912				↑ 1500	MAX200		RNP1
TF	UU913					AT180		RNP1
TF	UU515							RNP1
TF	UU514					AT180		RNP1
TF	UU513				1200			RNP1

RWY20R Missed approach Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
RWY20R Missed Approach								

CF	UU420	Y	204			MAX200		RNP1
DF	CZH			R	1800			RNP1

RWY20L/20R Holding Navigation database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
Holding (outbound time: 1minute)								
HM	CZH	Y	096	L	3900			RNP1
HM	UU710	Y	294	L	2700			RNP1
HM	BHS	Y	206	L	1800			RNP1
HM	JTG	Y	206	L	2400			RNP1
HM	UU811	Y	296	L	2700			RNP1

ZUUU AD 2.23 其它资料

1. 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。

ZUUU AD 2.23 Other information

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

Activity	Action area	Flight altitude(m)
The whole year	The whole area	0-30
The whole year	The whole area	0-30
Apr.-Sep.	S and W of RWY02L/20R	0-30
Mar.-Oct.	The whole area	0-50
Oct.-Apr. (next year)	Apron located E of RWY02L/20R	0-50
Nov.-Apr.(next year)	Both end of RWY02L/20R, S and E of RWY02R/20L	0-50
The whole year	The whole area	0-80
The whole year	W of RWY02L/20R, S and W of RWY02R/20L	0-100
The whole year	The whole area	0-100
Apr.-Oct.	The whole area	0-100
Oct.-May.(next year)	Flight area lawn	0-100

May.-Oct.(night)	W of RWY02L/20R, S and W of RWY02R/20L	0-150
The whole year	N and W of RWY02L/20R, S and W of RWY02R/20L	0-150
Nov.-Apr.(next year)	Flight area	0-500