

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

ZUTF/TFU-成都/天府 CHENGDU/Tianfu

ZUTF 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°17.4' E104°26.6' Center of RWY02/20
2	机场基准点与城市的位置关系 Direction and distance from city	138° GEO, 55.0km from Tianfu square, Chengdu
3	机场标高、基准温度、低温均值 ELEV/Reference temperature/Mean low temperature	442.5 m/32.4°C(AUG)/3.9°C(JAN)
4	机场标高位置的大地水准面波幅 Geoid undulation at AD ELEV PSN	
5	磁差（测量年份）及年变率 VAR(Year)/Annual change	2°20'W(2020)/-
6	机场管理部门、地址、电话、传真、AFS 地址、电子邮箱、网址 AD administration/Address/Telephone/Telefax/AFS/ E-mail/Website	Sichuan Airport Group CO. LTD. Chengdu Tianfu International Airport, Sichuan province, China. Post code:641400 TEL:86-28-86906088 FAX:86-28-86906089
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/RWY01/19: 4F; RWY02/20, RWY11/29: 4E
9	备注 Remarks	Nil

ZUTF AD 2.3 工作时间 Operational hours

1	机场开放时间 AD Operational hours	H24
2	海关和移民 Customs and immigration	H24
3	卫生健康部门 Health and sanitation	H24
4	航空情报服务讲解室 AIS Briefing Office	H24
5	空中交通服务报告室 ATS Reporting Office	H24
6	气象服务讲解室 MET Briefing Office	H24

7	空中交通服务 Air Traffic Service	H24
8	加油服务 Fuelling	H24
9	地勤服务 Handling	H24
10	安保服务 Security	H24
11	除冰服务 De-icing	H24
12	备注 Remarks	Tianfu:Nil

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

1	货物装卸设施 Cargo-handling facilities	Container lift truck (7-35t), conveyor truck, fork(2-8t),platform lorry, drum tractor,towing tractor.
2	燃油牌号 Fuel types	Jet Fuel No.3
3	滑油牌号 Oil types	MOBIL JET OIL II,TURBO2197
4	加油设施/能力 Fuelling facilities & Capacity	Refueling trucks 45000L, (one pipe:20L/s,double 40L/s). Refueling trucks 65000L, (one pipe:20L/s,double 40L/s). Fuel-hydrant dispenser, (one pipe:13L/s,double 30L/s). 525 Apron refueling well.
5	除冰设施 De-icing facilities	5 De-icers Deicing fluid: type I & type IV
6	过站航空器机库 Hangar space for visiting aircraft	Available for aircraft maintenance
7	过站航空器的维修设施 Repair facilities for visiting aircraft	Maintenance tools and equipment
8	备注 Remarks	Ground air supply unit, ground power unit, passenger stairs, lift truck for disabled, air conditioning unit, rubbish truck, oxygen refilling truck, cleaning water supply vehicle, sewage car, aerial work vehicle,tractor

ZUTF AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	At AD
2	餐饮 Restaurants	At AD
3	交通工具 Transportation	Taxis, airport express, passenger's coaches, subway, high-speed railway

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
7	备注 Remarks	Nil

ZUTF 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 fighting facilities: rapid intervention vehicle, primary foam tender, bend arm primary fire-fighting engine, heavy-load foam tank truck, illumination truck, logistics truck, communication command vehicle, demolition rescue truck, heavy-load water tank truck, aerial ladder truck, small size fire fighting truck, dry-chemical tender
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to A380(uplift air cushion, air pump, towing platform, towing rack, fork, landing gear rapid moving vehicle, mobile surface operation devices, tie-down)
4	备注 Remarks	Nil

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

1	可用季节及扫雪设备类型 Seasonal availability/Types of clearing equipment	All seasons 2 snow removal vehicles, 2 de-icing fluid spreading trucks
2	扫雪顺序 Clearance priorities	RWY 02/20 → TWY E → TWY D → RWY 01/19 → TWY A → TWY B → TWY C → RWY 11 → TWY M → TWY D24 → TWY K → Other TWYs → Apron
3	备注 Remarks	Nil

ZUTF AD 2.8 停机坪、滑行道及校正位置数据 Aprons, taxiways and check locations data

1	停机坪道面和强度 Apron surface and strength	道面 Surface	CONC
		强度 Strength	PCR 880/R/A/W/T : Stands Nr.106, 106L/R, 108L/R, 110, 111, 111L/R, 113-132, 132L/R, 134, 135, 135L/R, 137L/R, 139, 161-179, 166L/R, 167L/R, 175L/R, 176L/R, 177L/R, 182-185, 190, 206, 206L/R, 208-212, 212L/R, 214-219, 219L/R, 221, 224, 224L/R, 226-230, 230L/R, 232, 233, 233L/R, 235-237, 237L/R, 239, 239L/R, 241, 241L/R, 243, 243L/R, 245, 261-268, 266L/R, 268L/R, 276-280, 280L/R, 289-293, 500-515, 501L/R, 504L/R,

			505L/R, 506L/R, 515L/R, 601-644, 607L/R, 629L/R, 630L/R, 701, 702 PCR 720/R/B/W/T : Stands Nr.101-105, 140-145, 180, 181, 186-188, 201-205, 222, 223, 246-252, 269-275, 281-288, 294-296
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	25m : A, A1-A13, B, B1-B3, B7, B8, B10, B11, B13-B22, B25, C(BTN C2&T1), C1(BTN B&C, C4&C5), C2(BTN B&C), C3, C4, C5(BTN B&C1), C23, D17-D19, J, L5-L7(BTN T3&T5), T1(BTN B&C), T2(BTN B&C), T3-T5, Y2-Y4(BTN T3&T5) 23m : B23, C(BTN C2&L7), C1(BTN C&C23), C2(BTNC&C23), C5(BTN C1&C9), C21, C22, D, D1, D2, D4, D6, D9, D12, D15, D20, D24, E, E1, E2, E4-E9, E11, E12, G, G1-G5, G21-G23, K, K1-K5, L6(BTN B&T3), L7(BTN B&T3), L8, L56, L57, M, M1-M3, T1(BTN C&D), T2(BTN C&D), V1-V6, Y3(BTN D&T3), Y4(BTN D&T3), Y5, Y21, Y22 18m : C6-C10, G6-G10, L4, L5(N of T3), Y2(N of T3), Y6
		道面 Surface	CONC
		强度 Strength	PCR 980/R/A/W/T : D, D1, D2, D4, D6, D9, D12, D15, D17-D20, E, E1, E2, E11, E12 PCR 880/R/A/W/T : A, A1-A4, A11-A13, B, B1-B3, B7, B8, B10, B11, B13-B23, B25, C, C1-C5, C21-C23, D24, G, G1-G5, G21-G23, J, K, K1-K5, L5(BTN T3&T5), L6-L8, L56, L57, M, M1-M3, T1-T5, V1-V6, Y2(BTN T3&T5), Y3-Y5, Y21, Y22 PCR 850/R/B/W/T : A5-A10 PCR 810/R/B/W/T : E4-E9 PCR 720/R/B/W/T : C6-C10, G6-G10, L4, L5(N of T3), Y2(N of T3), Y6
3	高度表校正点的位置及其标高 ACL location and elevation	Nil	
4	VOR 校正点 VOR checkpoints	Nil	
5	INS 校正点 INS checkpoints	Nil	
6	备注 Remarks	Nil	

ZUTF AD 2.9 地面活动引导和管制系统与标识

Surface movement guidance and control system and markings

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	<p>Taxiing guidance signs at all intersections of TWY and RWY.</p> <p>Taxiing guidance signs at all holding positions.</p> <p>Aircraft stand identification sign boards at all stands.</p> <p>Visual docking guidance system at aircraft stands Nr. 101-106, 106L, 106R, 108L, 108R, 110, 111, 111L, 111R, 113-132, 132L, 132R, 134, 135, 135L, 135R, 137L, 137R, 139-145, 201-206, 206L, 206R, 208-212, 212L, 212R, 214-219, 219L, 219R, 221-224, 224L, 224R, 226-230, 230L, 230R, 232, 233, 233L, 233R, 235-237, 237L, 237R, 239, 239L, 239R, 241, 241L, 241R, 243, 243L, 243R, 245-252, Marshalling assistance for other aircraft stands.</p>	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	跑道标志 RWY markings	Pre-threshold area, THR, RWY designation, edge line, RWY center line, TDZ, aiming point
		跑道灯光 RWY lights	RTHL(01, 02, 19, 20), WBAR(01, 02, 19, 20), REDL(01, 02, 11, 19, 20), RCLL(01, 02, 11, 19, 20), RTZL(01, 02), RENL(01, 02, 11, 19, 20)
		滑行道标志 TWY markings	Edge line, center line, TWY shoulder marking, mandatory instruction marking, information signs, close signs, RWY holding position, intermediate holding position
		滑行道灯光 TWY lights	Edge line lights, center line lights, No-entry bar , RETILs, intermediate holding position lights, aircraft stand manoeuvring guidance lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	<p>Stop bar lights: At the Type A RWY holding positions on TWY A1, A2, A3, A4, A11, A12, A13, E1, E2, E11, E12, M1, M2, M3, K1, K2, and K3.</p> <p>At the Type B RWY holding position on TWY A1.</p> <p>At the Type B RWY holding position on TWY B, BTN B1 and B2.</p> <p>Rules for the use of stop bar lights:</p> <p>When receiving instructions from the controller to enter or cross the runway, the stop bar lights will be extinguished (illuminated in red when active), and the taxiway centerline lights leading to the runway will be illuminated (alternating green and yellow), at which point it is permissible to cross the stop bar lights.</p> <p>If the above three conditions cannot be met simultaneously, aircraft, vehicles, and personnel shall confirm with the controller, and upon the controller's confirmation, follow new control instructions.</p> <p>Runway guard lights: at RWY holding position</p>	
4	其它跑道保护措施 Other runway protection measures	Nil	

5	备注 Remarks	<p>Aircraft stand ID markings at stands Nr.166L/R, 167L/R,190, 500, 607L/R,617, 627, 701 & 702, and aircraft stand ID sign boards at the other stands.Stands nearby the terminal are equipped with advanced Visual Docking Guidance System.Yellow guided lights are installed on lead-in line of the stands nearby the terminal. When the advanced Visual Docking Guidance System used , the lights on automatically. After the aircraft is docked, the lights off automatically.Guide lines at Apron. For combined stands, the lead-in line is a yellow solid line on the main stand and a yellow dotted line on the L/R stands.Following stand ID sign boards are set in parallel:106/106R,111/111R,132/132R,135/135R,206/206R, 212/212R,219/219R,224/224R,230/230R,233/233R,237/237R,239/239R, 243/243R.</p> <p>All aprons have aircraft stand lead-in lines and aircraft stand numbers.</p> <p>Reflector sticks,Unserviceability area, Wind direction indicator, Road-holding position.</p>
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ZUTF AD 2.10 机场障碍物 Aerodrome obstacles

半径 15 千米内主要障碍物 (相对机场 ARP)

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

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
1	2	3	4	5	6
BLDG 001	BLDG	020/2262	450.0		RWY02 take-off flight path
MT 002	MT	020/14925	503.0		RWY20 GP INOP final approach 15m vegetation included
MT 003	MT	026/2544	458.2		
MT 004	MT	028/2342	458.5		
ELECTRICAL_E XIT_LIGHT 005	ELECTRI CAL_EXI T_LIGHT	030/3433	469.8		RWY02 take-off flight path
Trees 006	Trees	080/5458	444.0		RWY11 take-off flight path
Trees 007	Trees	080/5511	447.0		RWY11 take-off flight path

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Trees 008	Trees	083/6162	463.4		RWY11 take-off flight path
Trees 009	Trees	084/6414	460.8		RWY11 take-off flight path
Trees 010	Trees	085/6055	460.5		RWY11 take-off flight path
Antenna 011	Antenna	086/7534	476.8		RWY11 take-off flight path
MT 012	MT	198/10100	496.0		RWY20 GP INOP final approach 15m vegetation included
Trees 013	Trees	199/2832	462.6		RWY20 take-off flight path
Trees 014	Trees	199/2895	465.8		RWY20 take-off flight path
Trees 015	Trees	209/2235	456.0		RWY20 take-off flight path
Trees 016	Trees	243/3964	469.8		RWY19 take-off flight path
Trees 017	Trees	254/2986	455.1		RWY19 take-off flight path
Trees 018	Trees	255/2888	453.1		RWY19 take-off flight path
Trees 019	Trees	255/2930	453.8		RWY19 take-off flight path
Trees 020	Trees	257/2829	451.5		RWY19 take-off flight path
Trees 021	Trees	259/2817	449.7		RWY19 take-off flight path
Control TWR 022	Control TWR	329/1749	540.3		Circling

半径 15 千米内主要障碍物 (相对机场 ARP) Obstacles within a circle with a radius of 15km (centered on the ARP)					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
ELECTRICAL_E XIT_LIGHT 023	ELECTRI CAL_EXI T_LIGHT	349/5027	464.6		RWY01 take-off flight path
BLDG 024	BLDG	350/4404	447.8		RWY01take-off flight path
MT 025	MT	355/6214	484.4		RWY01 take-off flight path15m vegetation included
半径 15 千米-50 千米内主要障碍物 (相对机场 ARP) Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)					
障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志, 灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
Antenna 026	Antenna	002/42517	907		
MT 027	MT	004/158031	1367		Surveillance Vectoring Sector Nr.05 15m vegetation included
MT 028	MT	005/47216	911		15m vegetation included
TOWER 029	TOWER	009/48255	859		
MT 030	MT	017/15438	512		RWY19 GP INOP final approach 15m vegetation included
STACK 031	STACK	018/47799	666	LGT	MSA(ARP)
MT 032	MT	030/173671	927		Surveillance Vectoring Sector Nr.06 15m vegetation included
MT 033	MT	031/153008	761		Surveillance Vectoring Sector Nr.07 15m vegetation included

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)

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

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
Antenna 034	Antenna	038/38071	606		
MT 035	MT	175/60502	692		Surveillance Vectoring Sector Nr.14 15m vegetation included
MT 036	MT	179/77068	925		Surveillance Vectoring Sector Nr.15 15m vegetation included
MT 037	MT	217/16202	493		RWY01 GP INOP final approach 15m vegetation included
Antenna 038	Antenna	226/43809	692	LGT	
Antenna 039	Antenna	230/47142	735		MSA(JYA)
MT 040	MT	239/42542	827		Surveillance Vectoring Sector Nr.16 15m vegetation included
Antenna 041	Antenna	249/36054	939		
BLDG 042	BLDG	256/34379	859		
MT 043	MT	259/31754	845		15m vegetation included
MT 044	MT	260/109379	1157		Surveillance Vectoring Sector Nr.20 15m vegetation included
MT 045	MT	263/89176	1020		Surveillance Vectoring Sector Nr.19 15m vegetation included
MT 046	MT	266/83137	914		Surveillance Vectoring Sector Nr.18 15m vegetation included
MT 047	MT	269/77646	733		Surveillance Vectoring Sector Nr.17 15m vegetation included
TOWER 048	TOWER	271/26462	922		
MT 049	MT	272/29922	611		15m vegetation included

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)

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

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
BLDG 050	BLDG	280/25183	1020		MSA (JYA) Surveillance Vectoring Sector Nr.12
MT 051	MT	280/119634	1438		Surveillance Vectoring Sector Nr.21 15m vegetation included
MT 052	MT	293/149332	5379		Surveillance Vectoring Sector Nr.22 15m vegetation included
MT 053	MT	295/145209	4176		Surveillance Vectoring Sector Nr.23 15m vegetation included
MT 054	MT	296/23957	971		15m vegetation included
BLDG 055	BLDG	297/38926	997		Surveillance Vectoring Sector Nr.13
BLDG 056	BLDG	300/44589	621	LGT	
MT 057	MT	302/121713	2927		Surveillance Vectoring Sector Nr.24 15m vegetation included
BLDG 058	BLDG	304/43419	769		Surveillance Vectoring Sector Nr.11
MT 059	MT	304/114267	2235		Surveillance Vectoring Sector Nr.25 15m vegetation included
MT 060	MT	305/116773	2614		Surveillance Vectoring Sector Nr.26 15m vegetation included
BLDG 061	BLDG	306/24366	1011		
BLDG 062	BLDG	306/41848	629	LGT	
BLDG 063	BLDG	311/46752	696	LGT	
MT 064	MT	313/115757	2015		Surveillance Vectoring Sector Nr.27 15m vegetation included
BLDG 065	BLDG	315/48987	704	LGT	

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)

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

障碍物名称 或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或 (高) Elevation /(Height) (m)	障碍物标志、灯光 类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及 起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 066	MT	322/25728	989		15m vegetation included
Antenna 067	Antenna	323/52726	837		Surveillance Vectoring Sector Nr.08
BLDG 068	BLDG	324/39653	650	LGT	
BLDG 069	BLDG	324/44717	995		Surveillance Vectoring Sector Nr.09
BLDG 070	BLDG	325/47726	708	LGT	
Antenna 071	Antenna	329/27592	1081		MSA(WFX,ZGA,ARP) Surveillance Vectoring Sector Nr.10
MT 072	MT	334/119481	2456		Surveillance Vectoring Sector Nr.30 15m vegetation included
MT 073	MT	335/135239	4131		Surveillance Vectoring Sector Nr.28 15m vegetation included
Antenna 074	Antenna	336/29753	970		
MT 075	MT	336/140845	4827		Surveillance Vectoring Sector Nr.29 15m vegetation included
BLDG 076	BLDG	339/44412	619	LGT	
Antenna 077	Antenna	342/31604	940		
BLDG 078	BLDG	343/38631	642	LGT	
MT 079	MT	346/135303	2517		Surveillance Vectoring Sector Nr.02 15m vegetation included
MT 080	MT	349/37269	853		15m vegetation included
MT 081	MT	349/159992	3543		Surveillance Vectoring Sector Nr.01 15m vegetation included

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP) Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)					
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BLDG 082	BLDG	352/44761	825		
Antenna 083	Antenna	355/39190	1046	LGT	MSA(WFX)
MT 084	MT	355/162689	2958		Surveillance Vectoring Sector Nr.03 15m vegetation included
MT 085	MT	356/163899	2506		Surveillance Vectoring Sector Nr.04 15m vegetation included
Antenna 086	Antenna	359/48617	792		
备注: within 15km:Nil 15km-50km:Nil					

ZUTF AD 2.11 提供的气象情报、气象观测和报告

Meteorological information provided & meteorological observations and reports

提供的气象情报 Meteorological information provided		
1	相关气象台的名称 Associated MET Office	MET office of Chengdu/Tianfu airport, Southwest ATMB, CAAC
2	气象服务时间、服务时间以外的责任气象台 Hours of service/MET Office outside hours	H24
3	负责编发 TAF 的气象台、有效时段、发布间隔 Office responsible for TAF preparation/Periods of validity/Interval of issuance	MET office of Chengdu/Tianfu airport;9h;3HR(specialrequirement), 24h;6HR(routine)
4	趋势预报及发布间隔 Trend forecast/Interval of issuance	trend 30min
5	所提供的讲解或咨询服务 Briefing/Consultation provided	Briefing provided: P, T, TV
6	飞行文件及其使用语言 Flight documentation/Language(s) used	Chart, International MET Codes, Abbreviated Plain Language Text;Ch,En
7	讲解或咨询服务时可利用的图表和其它信息 Charts and other information available for	Synoptic charts, significant weather charts, upper W/T charts, satellite and radar material, AWOS real-time data, SIGMET, data forecast chart

	briefing or consultation	
8	提供气象情报的辅助设备 Supplementary equipment available for providing information	MET Service Terminal
9	提供气象情报的空中交通服务单位 ATS units provided with information	ACC, APP, ATS report office, TWR, flow management office, operation control office
10	其他信息 Additional information	Aerodrome warning, wind shear alarm/warning
气象观测和报告 Meteorological observations and reports		
1	机场观测类型与频率、自动观测设备 Type & frequency of observation /Automatic observation equipment	Half hourly plus special observation/Yes
2	气象报告类型及所包含的补充资料 Type of MET Report/Supplementary information included	METAR, SPECI
3	观测系统及安装位置 Observation system/Site(s)	<p>RVR EQPT</p> <p>A: 90m W of RWY01 RCL, 373m inward THR01. B: 90m W of RWY01 RCL, 1980m inward THR01. C: 90m W of RWY19 RCL, 358m inward THR19. D: 90m E of RWY02 RCL, 410m inward THR02. E: 90m E of RWY02 RCL, 1590m inward THR02. F: 90m E of RWY20 RCL, 370m inward THR20. G: 90m S of RWY11 RCL, 445m inward THR11. H: 90m S of RWY11 RCL, 1930m inward RWY11 end. I: 90m S of RWY11 RCL, 330m inward RWY11 end.</p> <p>SFC wind sensors</p> <p>01: 98m W of RWY01 RCL, 352m inward THR01. 19: 90m W of RWY19 RCL, 348m inward THR19. 01/19: 90m W of RWY01/19 RCL, 1990m inward THR01. 02: 98m E of RWY02 RCL, 380m inward THR02. 20: 98m E of RWY20 RCL, 370m inward THR20. 02/20: 98m E of RWY02/20 RCL, 1560m inward THR02. 11: 98m S of RWY11 RCL, 300m inward RWY11 end. 11: 90m S of RWY11 RCL, 484m inward THR11. 11: 98m S of RWY11 RCL, 1900m inward THR11.</p> <p>Ceilometer</p> <p>01: 30m W of RWY01 RCL extension line, 920m outward THR01. 19: 30m W of RWY19 RCL extension line, 890m outward THR19. 02: 30m E of RWY02 RCL extension line, 920m outward THR02. 20: 25m E of RWY20 RCL extension line, 920m outward THR20. 11: 98m S of RWY11 RCL, 285m inward RWY11 end.</p>

		11: 100m S of RWY11 RCL, 445m inward THR11.
4	观测系统的工作时间 Hours of operation for meteorological observation system	H24
5	气候资料 Climatological information	Climatological AVBL
6	其他信息 Additional information	Nil

ZUTF AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 RWY Designator	真方位和 磁方位 TRUE & MAG BRG	跑道长宽 Dimensions of RWY(m)	跑道强度、跑道和停 止道道面 RWY strength/ Surface of RWY /SWY	跑道入口坐标、 跑道末端坐标、 跑道入口大地水 准面波幅 THR coordinates & RWY end coordinates & THR geoid undulation	跑道入口标高和 精密进近跑道接 地带最高标高 THR elevation & highest elevation of TDZ of precision APP RWY	跑道和停止道坡 度 Slope of RWY/SWY
1	2	3	4	5	6	7
01	022.18° GEO 025° MAG	4000×60	PCR 880/R/A/W/T CONC/-	Nil	THR 439.1m TDZ 439.4m	0.04%(2000m)/-0 .04%(2000m)
19	202.18° GEO 205° MAG	4000×60	PCR 880/R/A/W/T CONC/-	Nil	THR 439.1m TDZ 439.5m	0.04%(2000m)/-0 .04%(2000m)
02	022.19° GEO 025° MAG	3200×45	PCR 980/R/A/W/T CONC/-	Nil	THR 441.4m TDZ 442m	0.07%(1600m)/-0 .05%(1600m)
20	202.19° GEO 205° MAG	3200×45	PCR 980/R/A/W/T CONC/-	Nil	THR 441.7m TDZ 442m	0.05%(1600m)/-0 .07%(1600m)
11	112.21° GEO 115° MAG	3800×45	PCR 880/R/A/W/T CONC/-	Nil	THR 437.0m	-0.05%(1900m)/0 .05%(1900m)
29	NOT AVBL	NOT AVBL	NOT AVBL	Nil	NOT AVBL	NOT AVBL
跑道号码 RWY Designator	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	跑道端安全区 长宽 RESA dimensions (m)	拦阻系统的 位置及描述 Location & Description of arresting system	无障碍物区 OFZ
1	8	9	10	11	12	13
01	Nil	Nil	4120×280	250×150	Nil	Nil
19	Nil	Nil	4120×280	250×150	Nil	Nil
02	Nil	Nil	3320×280	250×150	Nil	Nil

跑道号码 RWY Designator	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	跑道端安全区 长宽 RESA dimensions (m)	拦阻系统的 位置及描述 Location& Description of arresting system	无障碍物区 OFZ
1	8	9	10	11	12	13
20	Nil	Nil	3320×280	250×150	Nil	Nil
11	Nil	Nil	3920×150	240×150	Nil	Nil
29	Nil	Nil	Nil	Nil	Nil	Nil
<div>Remarks: 01/19:The distance between RCL01/19 and RCL02/20 is 2400m. THR01 is 550m north of THR02. THR11 is 340m east of the extension of RCL02/20. THR11 is 1430m north of THR20.</div> <div>All RWYs grooved at full length.</div> <div>Blast pads: 120×75m;RWY shoulder:7.5m on each side</div> <div>02/20:The distance between RCL01/19 and RCL02/20 is 2400m. THR01 is 550m north of THR02. THR11 is 340m east of the extension of RCL02/20. THR11 is 1430m north of THR20.</div> <div>All RWYs grooved at full length.</div> <div>Blast pads: 120×60m;RWY shoulder:7.5m on each side</div> <div>11/29:The distance between RCL01/19 and RCL02/20 is 2400m. THR01 is 550m north of THR02. THR11 is 340m east of the extension of RCL02/20. THR11 is 1430m north of THR20.</div> <div>All RWYs grooved at full length.</div> <div>Blast pads: 120×60m for RWY11;RWY shoulder:7.5m on each side</div>						

ZUTF AD 2.13 公布距离 Declared distances

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
1	2	3	4	5	6
01	4000	4000	4000	4000	Nil
01	3850	3850	3850	4000	FM A2
01	3578	3578	3578	4000	FM A3
01	3032	3032	3032	4000	FM A4
19	4000	4000	4000	4000	Nil
19	3850	3850	3850	4000	FM A12
19	3549	3549	3549	4000	FM A11
02	3200	3200	3200	3200	Nil
02	3050	3050	3050	3200	FM E2
20	3200	3200	3200	3200	Nil
20	3039	3039	3039	3200	FM E11
11	3800	3800	3800	NOT AVBL	Nil
11	3703	3703	3703	NOT AVBL	FM K2/M2
11	3420	3420	3420	NOT AVBL	FM K3/M3

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
29	NOT AVBL	NOT AVBL	NOT AVBL	NOT AVBL	Nil

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

跑道 号码 RWY Desig nator	进近灯 类型、长 度、强度 APCH LGT type/ LEN/ /INTST	入口灯 颜色、翼 排灯 THR LGT colour/ WBAR	目视进近坡度 指示系统类 型、位置、仰 角、跑道入口 最低眼高 Type of VASIS/Position /Angle/MEHT	接地 带 灯长 度 TDZ LGT LEN	跑道中线灯长度、 间隔、颜色、强度 RWY center line LGT LEN/Spacing /Colour/INTST	跑道边灯长度、间 隔、颜色、强度 RWY edge LGT LEN/Spacing /Colour/INTST	跑道末端灯 颜色 RWY end LGT colour	停止道灯长 度、颜色 SWY LGT LEN /Colour
1	2	3	4	5	6	7	8	9
01	PALS CAT III SFL 900 m VRB LIH	GREEN Yes	PAPI LEFT 480m inward THR01 3° 21.6m	900 m	4000 m spacing 15m 0-3100m, WHITE 3100-3700m, RED/WHITE 3700-4000m, RED VRB LIH	4000 m spacing 60m 0-3400m, WHITE 3400-4000m, YELLOW VRB LIH	RED	Nil
19	PALS CAT I SFL 900 m VRB LIH	GREEN Yes	PAPI LEFT 401m inward THR19 3° 18.9m	Nil	4000 m spacing 15m 0-3100m, WHITE 3100-3700m, RED/WHITE 3700-4000m, RED VRB LIH	4000 m spacing 60m 0-3400m, WHITE 3400-4000m, YELLOW VRB LIH	RED	Nil
02	PALS CAT III SFL 900 m VRB LIH	GREEN Yes	PAPI LEFT 445m inward THR02 3° 20.5m	900 m	3200 m spacing 15m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil
20	PALS CAT I SFL 900 m VRB LIH	GREEN Yes	PAPI LEFT 450m inward THR20 3° 20.4m	Nil	3200 m spacing 15m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil

跑道 号码 RWY Designator	进近灯 类型、长 度、强度 APCH LGT type/ LEN/ /INTST	入口灯 颜色、翼 排灯 THR LGT colour/ WBAR	目视进近坡度 指示系统类 型、位置、仰 角、跑道入口 最低眼高 Type of VASIS/Position /Angle/MEHT	接地 带 灯长 度 TDZ LGT LEN	跑道中线灯长度、 间隔、颜色、强度 RWY center line LGT LEN/Spacing /Colour/INTST	跑道边灯长度、间 隔、颜色、强度 RWY edge LGT LEN/Spacing /Colour/INTST	跑道末端灯 颜色 RWY end LGT colour	停止道灯长 度、颜色 SWY LGT LEN /Colour
11	Nil	Nil	Nil	Nil	3800 m spacing 15m 0-2900m, WHITE 2900-3500m, RED/WHITE 3500-3800m, RED VRB LIH	3800 m spacing 60m 0-3200m, WHITE 3200-3800m, YELLOW VRB LIH	RED	Nil
29	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Remarks:								

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

1	机场灯标或识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向标和风向标位置和灯光 LDI/ WDI location and LGT	WDI: RWY01:107m W of RCL, 505m inward THR01. RWY19:107m E of RCL, 533m inward THR19. RWY02:107m W of RCL, 400m inward THR02. RWY20:107m E of RCL, 450m inward THR20.
3	滑行道边灯和滑行道中线灯 TWY edge and center line lighting	All TWYs: green center line lights, blue edge line lights
4	备份电源及转换时间 Secondary power supply/Switch-over time	Secondary power supply, diesel generator/ ≤15s; UPS/ 1s
5	备注 Remarks	Taxiway edge lights:Blue taxiway edge lights are installed outside the taxiway boundary line on curved sections. Taxiway centerline lights:The taxiway centerline lights on taxiways A1, A2, A3, A4, A11, A12, A13, E1, E2, E11, E12, M1, M2, M3, K1, K2, and K3 are set with alternating green and yellow lights from the runway holding position to the endpoint near the runway centerline.The taxiway centerline lights on exit taxiways A5, A6, A7, A8, A9, A10, E4, E5, E6, E7, E8, E9, K4, and K5 are set with alternating green and yellow lights.The taxiway centerline lights in all other areas are green. Blue taxiway edge retro-reflective markers are installed outside the taxiway boundary line on straight sections.

ZUTF AD 2.16 直升机着陆区域 Helicopter landing area

1	TLOF 坐标或 FATO 入口坐标及大地水准面波幅 Coordinates TLOF or THR of FATO, Geoid undulation	Nil
2	TLOF 和 (或) FATO 标高 TLOF and/or FATO elevation	Nil
3	TLOF 和 FATO 区域范围、道面、强度和标志 TLOF and FATO area dimensions,surface, strength, marking	Nil
4	FATO 的真方位和磁方位 True and MAG BRG of FATO	Nil
5	公布距离 Declared distance available	Nil
6	进近灯光和 FATO 灯光 APP and FATO lighting	Nil
7	备注 Remarks	Nil

ZUTF AD 2.17 空中交通服务空域 ATS airspace

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Tower Control Area	A circuit, all arcs with radius 13km centered at centers of all RWY THRs and all lines tangential to the adjacent 2 arcs.	QNH1200m and below				

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位 呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Fuel Dumping Area	N29°10'35"E103°11'47" - N29°10'44"E103°48'47" - N28°27'26"E103°48'53" - N28°27'17"E103°12'08" - N29°10'35"E103°11'47"	QNE5000m and above				1. With ATC permission, aircraft can enter from VOR/DME 'JYA' to N29°05'12" E103°17'59" and exit from N29°05'18" E103°42'38" to VOR/DME 'JYA'. 2. By ATC.
Altimeter setting region and TL/TA	Same as Chengdu APP area	TL 3600m TA 3000m 3300m(QNH≥1031hPa) 2700m(QNH≤979hPa)				

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

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星语音通信 号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
ATIS		126.8 (Chinese)			H24	D-ATIS available
		127.075 (English)			H24	D-ATIS available
APP	Chengdu Approach	APP02:120.375 (127.7)			H24	
		APP03:119.7 (127.7)			2230-1900(next day)	

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星话音通信 号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
		APP04:121.35 (125.25)			2230-190 0(next day)	
		APP05:121.025 (125.25)			0030-130 0	
		APP06:126.35 (125.25)			0030-130 0	
		APP09:124.75 (123.825)			0030-190 0	
TWR	Tianfu Tower	TWR01:118.8 (118.15)			H24	RWY01/19
		TWR02:130.5 (118.15)			H24	RWY02/20
		TWR03:124.375 (118.15)			2200-130 0(next day)	RWY11
GND	Tianfu Groud	GND01:121.925 (121.55)			H24	
		GND02:122.6 (121.55)			H24	
		GND03:121.775 (121.55)			2200-130 0(next day)	
APN	Tianfu Apron	APN01:122.7 (122.15)			by ATC	
		APN02:122.825 (122.15)			H24	
		APN03:122.15 (122.7)			BY ATC	
		APN04:122.675 (122.15)			BY ATC	
Delivery	Tianfu Delivery	Delivery01:121.825 (121.55)			2200-130 0(next day)	

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星语音通信 号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
		Delivery02:122.2 (121.55)			BY ATC	
EMG		121.5			H24	

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

设施名称及类型、磁差、支持运行类别、 VOR/ILS 磁偏角 Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作时间 Hours of operation	发射天线坐标及相对位置 Coordinates of transmitting antenna/ Position	DME 发射 天线标高 Elevation of DME transmitting antenna	备注 Remarks
1	2	3	4	5	6	7
Baihesi VOR/DME	BHS	117.9 MHz CH 126X	H24	N30°30.7' E104°12.0'		For VOR: Beyond 20NM on R219° for STAR U/S.
Chongzhou VOR/DME	CZH	114.5 MHz CH 92X	H24	N30°38.7' E103°41.2'		
Dexin VOR/DME	CDX	116.35 MHz CH 110Y	H24	N31°15.0' E104°22.8'	540 m	R255°-R360° clockwise U/S.
Huilong VOR/DME	HLC	115.95 MHz CH 106Y	H24	N30°18.1' E103°41.7'	567 m	
Jintang VOR/DME	JTG	115.4 MHz CH 101X	H24	N30°52.3' E104°23.4'		For VOR: Beyond 24NM on R029° for STAR, beyond 37NM on R068° for SID, R170°-R205° clockwise, beyond 20NM on R206° for SID, R320°-R360° clockwise U/S; For DME: Beyond 40NM on R068° for SID, R170°-R205° clockwise U/S.

设施名称及类型、磁差、支持运行类别、 Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作 时间 Hours of operation	发射天线坐标 及相对位置 Coordinates of transmitting antenna/ Position	DME 发射 天线标高 Elevation of DME transmitting antenna	备注 Remarks
Mianyang VOR/DME	MYG	114.8 MHz CH 95X	H24	N31°26.0' E104°44.0'	538 m	Coverage 200km
Shuangliu VOR/DME	CTU	115.7 MHz CH 104X	H24	N30°34.4' E103°56.6'	505 m	For DME: BTN 12-14NM on R290° for ENR/SID U/S.
Wufengxi VOR/DME	WFX	117.1 MHz CH 118X	H24	N30°36.4' E104°29.5'		
Jingyan VOR/DME	JYA	114.65 MHz CH 93Y	H24	N29°46.4' E104°02.9'	467 m	
Zhugao VOR/DME	ZGA	115.25 MHz CH 99Y	H24	N30°35.5' E104°43.9'	563 m	
Ziyang VOR/DME	ZYG	112.1 MHz CH 58X	H24	N29°56.4' E104°44.3'	427 m	
Chengdu NDB	ZW	260 kHz	H24	N30°30.0' E103°54.5'		Beyond 30NM on BRG122°, beyond 10NM on BRG260° for SID, beyond 10NM on BRG269° for STAR/SID U/S.
IM 01		75 MHz		205°MAG/370m FM THR01		Coverage 150±50m
LOC 01 ILS CAT III	ITF	108.9 MHz		025°MAG/310m FM RWY01 end		
GP 01		329.3 MHz		125m W of RWY01 RCL, 315m inward THR01		Angle 3° , RDH 15.7 m Coverage 15NM
DME 01	ITF	CH 26X (108.9 MHz)			448m	Co-located with GP 01
LOC 19 ILS CAT I	ICT	108.9 MHz		205°MAG/310m FM RWY19 end		
GP 19		329.3 MHz		120m W of RCL, 315m inside THR19		Angle 3° , RDH 17 m Coverage 16NM

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作 时间 Hours of operation	发射天线坐标 及相对位置 Coordinates of transmitting antenna/ Position	DME 发射 天线标高 Elevation of DME transmitting antenna	备注 Remarks
DME 19	ICT	CH 26X (108.9 MHz)			445m	Co-located with GP 19
IM 02		75 MHz		205°MAG/370m FM THR02		Coverage 150±50m
LOC 02 ILS CAT III	ITV	111.3 MHz		025°MAG/310m FM RWY02 end		
GP 02		332.3 MHz		125m E of RWY02 RCL, 310m inward THR02		Angle 3° , RDH 16.8 m Coverage 15NM
DME 02	ITV	CH 50X (111.3 MHz)			448m	Co-located with GP 02
LOC 20 ILS CAT I	IFM	111.3 MHz		205°MAG/310m FM RWY20 end		Beyond 15° rightside of front course U/S
GP 20		332.3 MHz		120m E of RWY20 RCL, 315m inward THR20		Angle 3° , RDH 16.5 m Coverage 17NM
DME 20	IFM	CH 50X (111.3 MHz)			448m	Co-located with GP 20

ZUTF AD 2.20 本场规定**ZUTF AD 2.20 Local aerodrome regulations****1. 机场使用规定****1. Airport operations regulations**

1.1 禁止未安装二次雷达应答机的航空器起降，在特殊情况下，经局方批准，可允许无二次雷达应答机的航空器起降。

1.1 Take-off/landing of aircraft without SSR transponder are forbidden, unless with authorization from relative authorities in special circumstances.

1.2 本场可供 A380(含)以下机型使用。

1.2 Maximum aircraft to be available: A380 and equivalent.

2. 跑道和滑行道的使用**2. Use of runways and taxiways****2.1 跑道运行规则****2.1 Rules for the use of runways**

2.1.1 01/19 和 02/20 跑道既可用于起飞，也可用于落地；11 跑道仅用于由西向东起飞。

2.1.1 RWY 01/19 and RWY 02/20 can be used for taking-off and landing. RWY 11 can only be used for

	taking-off from west to east.
2.1.2 多跑道同时仪表运行采用如下运行模式：01/19 和 02/20 跑道采用独立平行离场、相关平行仪表进近、隔离平行运行混合及半混合运行模式。	2.1.2 The operation modes of simultaneous operations on multiple runway can be implemented as follows:Hybrid and semi-hybrid operations of independent parallel departures, dependent parallel ILS approaches and segregated parallel approaches /departures for RWY 01/19 and RWY 02/20.
2.1.3 运行模式的选择、运行时间及使用跑道听从管制员指令。	2.1.3 Follow ATC instructions for the specific operation mode, operation time and the runway in use.
2.1.4 转换跑道运行模式工作程序	2.1.4 RWY conversion procedure
2.1.4.1 当 01/19 跑道和 02/20 跑道满足下列条件之一时，须启动跑道方向转换：	2.1.4.1 Conversion procedure shall be implement if RWY01/19 and RWY02/20 met one of the following condition:
(1) 干跑道条件下，当气象自动观测系统显示跑道顺风分量达到 3.5m/s，且有继续增大趋势时。	(1) Under dry RWY conditions, tailwind speed component is shown an increasing reach to 3.5m/s by AWOS and there is a trend of further increase.
(2) 湿跑道或者污染跑道条件下，当气象自动观测系统显示跑道顺风分量达到 1.5m/s，且有继续增大趋势时。	(2) Under wet RWY or contaminated RWY condition, RWY is shown tailwind with an increasing speed component reaches to 1.5m/s by AWOS and there is a trend of further increase.
转换跑道运行方向过程中，干跑道条件下跑道顺风分量超过 3.5m/s 但不大于 5m/s 时；湿跑道或者污染跑道顺风分量超过 1.5 米/秒但不大于 3m/s 时，管制员可以短时指挥航空器顺风起飞或者着陆，当航空器驾驶员根据机型性能或者运行手册不能执行顺风跑道起飞或者着陆时，应明确告知管制员。	During changing the direction of RWY in use, under dry runway conditions, if tailwind speed component is more than 3.5m/s and not exceeding 5m/s; Under wet RWY or contaminated RWY condition, if tailwind speed component is more than 1.5m/s and not exceeding 3m/s, ATC may instruct tailwind take-off or tailwind landing for short time. If pilot decide not to take-off or land on tailwind RWY due to operation manuals or performance

2.1.4.2 当 11 跑道满足下列条件之一时，管制员将调整天府机场跑道运行模式：

(1) 干跑道条件下气象自动观测系统显示顺风分量达到 3.5m/s 或者侧风分量达到 10m/s，且有继续增大趋势时；

(2) 湿跑道或者污染跑道条件下，当气象自动观测系统显示顺风分量达到 1.5m/s 或者侧风分量达到 7.5m/s 时。

转换跑道运行模式过程中，管制员通知航空器驾驶员地面风向、风速后，航空器驾驶员可以根据机型性能或者运行手册向管制员申请使用 11 跑道起飞。

当离场航空器使用任意跑道起飞，均会出现干跑道条件下顺风分量超过 5m/s 或者侧风分量超过 10m/s，湿跑道或污染跑道条件下侧风分量超过 7.5m/s 或者顺风分量超过 3m/s 时，管制员将优先指挥离场航空器使用侧风的跑道起飞。

2.1.5 对机组的要求：

2.1.5.1 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程度，或者可能影响航空器正常起飞时，航空器驾驶员应立即向管制员报告。

of aircraft, inform ATC immediately.

2.1.4.2 Conversion procedure shall be implement if RWY11 met one of the following condition:

(1) Under dry RWY conditions, tailwind speed component is shown an increasing reach to 3.5m/s or crosswind component reach to 10m/s by AWOS and there is a trend of further increase.

(2) Under wet RWY or contaminated RWY condition, RWY is shown tailwind with an increasing speed component reaches to 1.5m/s or or crosswind component reach to 7.5m/s by AWOS.

During changing the direction of RWY in use, after controller inform to pilot surface wind speed and direction, pilot could apply RWY11 takeoff clearance to ATC according to the aircraft performance or operation handbook.

If all runways are under the circumstances of tailwind component exceeding 5m/s or crosswind component exceeding 10m/s when runway is dry, or crosswind component exceeding 7.5m/s or tailwind component exceeding 3m/s when runway is wet or contaminated, controllers will prioritize a crosswind runway for departing aircraft to use.

2.1.5 Requirements for pilots:

2.1.5.1 Under certain adverse weather conditions(e.g. wind shear, turbulence, down drafts or strong crosswind) which might increase ILS localizer course deviations to the extent that safety may be impaired or departure of

	aircraft would be influenced, pilot shall report the situation to ATC immediately.
2.1.5.2 航空器驾驶员申请在正在使用的跑道以外的其它跑道起降，必须征得管制员的许可。	2.1.5.2 Pilot shall get permission from ATC before changing the RWY in use.
2.1.5.3 离场航空器在对正跑道并接收到塔台起飞许可后，应在 10s 内开始起飞滑跑，如无法执行，则应在到达跑道外等待点之前向管制员说明。	2.1.5.3 Departure aircraft shall begin to take-off run within 10s after aligning with the runway centerline and receiving take-off clearance from ATC.If flight crew consider they can not fulfill the process within the required time, flight crew shall inform ATC before reaching the RWY holding position.
2.1.5.4 航空器驾驶员在成都进近或天府塔台管制范围内飞行时，应根据机载设备监控周边航空器的运行状态，尽快建立目视，并按管制员要求报告相关飞行动态。	2.1.5.4 When flight into Chengdu Approach or Tianfu Tower control area, flight crew shall monitor the operating status of other aircrafts in the vicinity by airborne equipment and establish the visual separation as soon as possible, and report as ATC required.
2.1.5.5 着陆航空器在脱离跑道首次与地面管制联系时，必须向地面管制员报告脱离的跑道和所使用的滑行道及具体位置。	2.1.5.5 After vacating RWY, report the RWY designation and TWY designation on the initial contact with GND.
2.1.5.6 在管制员的许可下，由航空器驾驶员根据短距起飞工作程序及机型翼展、机高等限制，自行决定是否使用非全跑道起飞。	2.1.5.6 With ATC clearance, flight crew can conduct the Shortened Distance Taking-off Procedures according to implement procedures, aircraft wing span limit, height limit,etc.
2.1.6 本场所有跑道均未设置穿越跑道的滑行道。为辅助航空器驾驶员正确进行目视判断，本场在 02 跑道中线延长线距离跑道末端 650m，跑道中线延长线西侧 118m 处，设置了红白相间棋盘状目视参考物。航空器驾驶员在 02 跑道起飞或降落过程中需加强目视观察，避免因 D24、K、M、V1、V2、V3 滑行道	2.1.6 All RWY not provided with TWY for crossing RWY. Chessboard-shaped references in red and white at 650m from RWY02 end, 118m West of RWY02 extended center line. Aircraft take-off or landing on RWY02, pilot shall strengthen observation and avoid visual errors caused by aircraft on TWY

或 608-617 停机位上的航空器产生视觉误差。 D24,K,M,V1,V2,V3 or on stand Nr.608-617.

2.2 滑行道运行规则 2.2 General rules for the use of taxiways

2.2.1 引导车按与航司合同约定为所有进港航班提供 2.2.1 Follow-me vehicle service by contract is available
引导服务，特殊情况时，机组可通过塔台管制室或天 for all arrival aircrafts via Tower Control or Tianfu
府机坪申请引导车服务。引导车引导方式如下： Apron. The guidance instruction is shown below:

引导方式/Guidance instruction	灯光及显示屏信息/Light and Display information
Arrival guidance	Emergency flasher on,information of stands
Departure guidance	Emergency flasher on,RWY designation for departure
Stop taxiing	'STOP'
Termination of guidance	Emergency flasher off,guidance light off

2.2.2 空管塔台地面管制和机场机坪管制单位分别负 2.2.2 Tower Control Unit and Apron Control Unit shall
责向各自管制范围内的航空器提供地面管制服务(管 provide ground control service for aircrafts in their
制范围如机场图所示)，具体管制移交点及移交方式 control areas. Specific transfer point and transfer method
听从管制员指令执行。 follow ATC instructions.

2.2.3 对机组的要求: 2.2.3 Requirements for flight crew:

2.2.3.1 听清并复述管制员的滑行指令,发现疑问及时 2.2.3.1 Listen carefully and repeat the taxiing
证实。 instructions of ATC, verify any questions in time.

2.2.3.2 如在地面管制移交时联系不畅,应在上一管制 2.2.3.2 If fail to change to the assigned FREQ, flight
指令等待点前等待，并向上一管制频率报告。 crew shall wait at the handover point and report by the
previous FREQ.

2.2.3.3 航空器地面滑行期间,机组应密切关注相关活 2.2.3.3 Flight crew shall keep watching ATC-related
动，及时依照管制员的活动通报观察或将观察到的不 activities and report the unclear activities to ATC in
明活动情况通报给管制员。 time.

2.2.4 滑行道使用限制 2.2.4 TWY limits:

滑行道/TWY	航空器翼展限制/Wing span limits for aircraft
A, A1-A13, B, B1-B3, B7, B8, B10, B11, B13-B22, B25, C(BTN C2&T1), C1(BTN C4&C5), C2(BTN B&C), C3, C4, C5(BTN B&C1), C23, J, L5(BTN T3&T5), L6(BTN T3&T5), L7(BTN T3&T5), T1(BTN B&C), T2(BTN B&C), T3-T5, Y2(BTN T3&T5), Y3(BTN T3&T5), Y4(BTN T3&T5)	80m
B23, C1(BTN B & C23), C2(BTN C & C23), C5(BTN C1&C9), C21, C22, D, D1, D2, D4, D6, D9, D12, D15, D17-D20, D24, E, E1, E2, E4-E9, E11, E12, G, G1-G5, G21-G23, K, K1-K5, L6(BTN B&T3), L7(BTN B&T3), L8, L56, L57, M, M1-M3, T1(BTN C&D), T2(BTN C&D), V1-V6, Y3(BTN D&T3), Y4(BTN D&T3), Y5, Y21, Y22	69m
C(BTN C2&L7)	65m
C6-C10, G6-G10, L4, L5(north of T3), Y2(north of T3), Y6	36m

2.2.5 地面常规滑行路线

2.2.5 Routine taxiing route

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。

Aircraft shall taxi along the Routine Taxiing Route except receiving specific instruction from the controller.

起降跑道/Runway for take-off/landing	路线编号/Route ID	标准滑行路线/Standard Taxiing Route
RWY 01 for take-off	ROUTE 01	T2-B-B1-A1
	ROUTE 03	T5-B-B1-A1
RWY 01 for landing	ROUTE 02	A-B14-T4-G

	ROUTE 04	A-B20-C2-C-T1
RWY 02 for take-off	ROUTE 11	B-T4-D18-D-D1-E1
	ROUTE 13	D-D1-E1
RWY 02 for landing	ROUTE 12	E-D19-G-T2-B
	ROUTE 14	E-D17-T5
RWY 11 for take-off	ROUTE 41	C-T1-D-M
	ROUTE 43	G-G5-D-M
RWY 19 for take-off	ROUTE 21	G-T2-B-B18-A-A13
RWY 19 for landing	ROUTE 02	A-B14-T4-G
	ROUTE 22	B17-L7-C-T1
RWY 20 for take-off	ROUTE 31	C-T1-D-D20-E12
RWY 20 for landing	ROUTE 14	E-D17-T5
	ROUTE 32	D17-G-T2-B

2.2.6 其他滑行道运行方向:

2.2.6 The other TWYs operating direction:

2.2.6.1 L4 滑行道为由南向北运行的单向滑行道

2.2.6.1 TWY L4: one-way from south to north;

2.2.6.2 L5 (T3 以北) 滑行道为由北向南运行的单向滑行道;

2.2.6.2 TWY L5(north of T3): one-way from north to south;

2.2.6.3 Y2 (T3 以北) 滑行道为由北向南运行的单向滑行道。

2.2.6.3 TWY Y2 (north of T3): one-way from north to south.

2.3 机动区冲突多发地带 (HOT SOPT) 位置见《航图手册》, 途径这些区域的航空器需要注意以下事项:

2.3 Hot spot positions refer to AD2.24-1A, and be aware of following requirements when taxi through these areas.

2.3.1 HS1: A2、A3、A4、B2、B3、B7 与 A 滑的交叉区域。航空器应严格执行管制指令, 避免误入 A 滑与 01/19 跑道之间的 A2、A3、A4 滑行道。

2.3.1 HS1: Intersection of TWYs A2、A3、A4、B2、B3、B7 and A. Aircraft shall follow ATC instruction strictly, avoid entering A2、A3、A4 by mistake.

- 2.3.2 HS2: A6、A7 交叉道口、A8 与 A9 交叉道口、B10 至 B14 与 A 滑交叉道口组成的区域。脱离跑道的航空器不得在交叉道口转向相邻的联络道,脱离跑道的航空器应按照管制员指令尽快脱离此区域,否则容易与后续脱离航空器产生冲突。
- 2.3.2 HS2: Area intersected of TWYs A6 and A7、A8 and A9, Intersection of TWYs B10-B14 and A. Aircraft vacating from runway shall not enter adjacent taxiway, shall follow ATC instruction to leave this area as quickly as possible, otherwise may conflict with the following aircraft vacating from runway.
- 2.3.3 HS3: A11、A12、B20、B21 与 A 滑的交叉区域。航空器由 B20 和 B21 转向 A 滑的时候,航空器应严格执行管制指令,避免误入 A11 及 A12 滑行道。
- 2.3.3 HS3: Intersection of TWYs A11、A12、B20、B21 and A. When taxiing from B20 or B21 to A, aircraft shall follow ATC instruction strictly, avoid entering A11 or A12 by mistake.
- 2.3.4 HS4: E2 与 E 滑的交叉区域。航空器应严格执行管制指令,避免误入 E 滑与 02/20 跑道之间的 E2 滑行道。
- 2.3.4 HS4: Intersection of TWYs E2 and E. Aircraft shall follow ATC instruction strictly, avoid ntering E2 by mistake.
- 2.3.5 HS5: D17、D18、D19、G、E 组成的矩形区域。向北运行时,脱离跑道的航空器应按照管制员指令尽快脱离此区域,否则容易与后续脱离航空器产生冲突;向南运行时,航空器应严格执行管制指令,避免误入 E 滑与 02/20 跑道之间的 E11 滑行道。
- 2.3.5 HS5: Rectangular area intersected by TWYs D17、D18、D19、G、E. While operating to north, vacating aircraft shall follow ATC instruction to leave this area as quickly as possible, otherwise may occur conflict with the following aircraft vacating from runway; When operating to south, vacating aircraft shall follow ATC instruction strictly, avoid entering E11 by mistake.
- 2.3.6 HS6: D20 与 D 的交叉区域。向北运行时沿 D20 进位的航空器与沿 D 向南滑行的出港航空器容易产生交叉冲突;进位的航空器应严格执行管制指令,避免误入 D 滑与沿 D 向南滑行的出港航空器产生对头冲突。
- 2.3.6 HS6: Intersection of TWYs D20 and D. While operating to north, arrival aircraft taxiing along D20 may have conflict with departure aircraft taxiing to south along D; arrival aircraft shall follow ATC instruction strictly,avoid entering D by mistake,otherwise a conflict with aircraft along D from N to S taxiing out may occur.
- 2.3.7 HS7: M1、M2、M3 与 M 滑的交叉区域。航空
- 2.3.7 HS7: Intersection of TWYs M1、M2、M3 and M.

器应严格执行管制指令，避免误入 M 滑与 11 跑道之间 M1、M2、M3 滑行道。

Aircraft shall follow ATC instruction strictly, avoid entering M1、M2、M3 between M and RWY 11 by mistake.

2.3.8 HS8: K1、K2、K3 与 K 滑的交叉区域。航空器应严格执行管制指令，避免误入 K 滑与 11 跑道之间 K1、K2、K3 滑行道。

2.3.8 HS8: Intersection of TWYs K1、K2、K3 and K. Aircraft shall follow ATC instruction strictly, avoid entering K1、K2、K3 between K and RWY 11 by mistake.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 166、166L/R、167、167L/R、168-174、269-275、287、288、601-607、607L/R 机位可自行滑出，其它机位的航空器需由牵引车推出。

3.1 Aircrafts shall be push-back except those parking on stands Nr.166, 166L/R, 167, 167L/R, 168-174, 269-275, 287, 288, 601-607 or 607L/R.

3.2 机位使用规定

3.2 Rules for stands

3.2.1 停机位航空器翼展限制

3.2.1 Wing span limits for parking stands

3.2.1.1 近机位

3.2.1.1 Bridge stands

停机位编号/Stand Nr.	航空器翼展限制/Wing span limits (m)
106, 135, 241	80
111, 115, 118, 119, 123, 126, 128, 130, 132, 206, 212, 216, 219, 221, 224, 230, 233, 237, 239, 243	68.5
113, 114, 116, 117, 125, 127, 129, 131, 134, 208, 214, 215, 217, 218, 229, 232, 235, 236	65
101-105, 106L/R, 108L/R, 110, 111L/R, 120-122, 124, 132L/R, 135L/R, 137L/R, 139-145, 201-205, 206L/R, 209-211, 212L/R, 219L/R, 222, 223, 224L/R, 226-228, 230L/R, 233L/R, 237L/R, 239L/R, 241L/R, 243L/R, 245-252	36

3.2.1.2 远机位

3.2.1.2 Remote stands

停机位编号/Stand Nr.	航空器翼展限制/Wing span limits (m)
166	80
175-177, 266, 268, 280, 606, 607, 629, 630, 637, 642	68.5
178, 184, 267, 276-278, 290, 291, 605, 621, 622, 631, 640	65
165, 279, 628, 639	48
161-164, 166L/R, 168-174, 175L/R, 176L/R, 177L/R, 179-183, 185-188, 261-265, 266L/R, 268L/R, 269-275, 280L/R, 281-289, 292-296, 607L/R, 613-616, 618-620, 623-626, 629L/R, 630L/R, 632-636, 638, 641, 643, 644	36

3.2.1.3 货机位

3.2.1.3 Cargos stands

停机位编号/Stands Nr.	航空器翼展限制/Wing span limits (m)
504, 512	80
501, 503, 505, 506, 508-511, 513, 515	68.5
502, 507, 514	48
501L/R, 504L/R, 505L/R, 506L/R, 515L/R	36

3.2.1.4 除冰位

3.2.1.4 Deicing stands

停机位编号 Stands Nr.	航空器翼展限制/Wing span limits (m)
167	80
602, 603	68.5

601, 604, 167L/R	36
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3.2.1.5 试车位

3.2.1.5 Run-ups stands

停机位编号/Stand Nr.	航空器翼展限制/Wing span limits (m)
701	68.5
617, 627, 702	65
190	52

3.2.1.6 隔离机位

3.2.1.6 Isolated stands

停机位编号/Stand Nr.	航空器翼展限制/Wing span limits (m)
500	80

3.2.1.7 清洗机位

3.2.1.7 Cleaning stands

停机位编号/Stands Nr.	航空器翼展限制/Wing span limits (m)
611, 612	65
608-610	36

3.2.2 航空器进出停机位的滑行限制

3.2.2 Limits for aircraft entering /exiting stands

停机位编号/Stand Nr.	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
101, 102	C9-C10-C6	C7-C6-C10-C8	Push-back to C7,nose to south

103	C9-C10-C6	C6-C10-C8	Nose to northwest
104	C9-C10	C10-C8	Push-back to C10,nose to west
105	C5	C9-C5	Push-back to C9,nose to south
106L, 182-185	C5	C5	Nose to west
106	C5	C1-C5	Nose to north
106R, 108L/R	C5-C1	C1-C4	Nose to south
110, 111, 111L, 114, 115, 119	C2	C1	Push-back to C1,follow ATC instructions
111R, 113	C2-C22	C1	Push-back to C1,follow ATC instructions
116-118	C2-C21	C1	Push-back to C1,follow ATC instructions
120	C	C1	Follow ATC instructions
121, 122	C	C	Nose to north
123	C	L6	Nose to west
124	L7-L8	L6	Push-back to L6,follow ATC instructions
125, 130, 132, 132R, 134	L7	L6	Push-back to L6,follow ATC instructions
126-129	L7-L57	L6	Push-back to L6,follow ATC instructions
131, 132L	L7-L56	L6	Push-back to L6,follow ATC instructions
135, 135L/R, 137L/R, 161-165	T3	T3	Follow ATC instructions

139-145	L4	L5	Nose to south(139-144),Nose to west(145)
166, 166L/R, 167, 167L/R	L7-T3	T4	Taxiing in/out on own power
168-174	L7	L8	Taxiing in/out on own power
175, 175L/R, 176, 176L/R, 177,177L/R, 178, 179	L8	L8	Nose to north
180, 181	C2	C2	Nose to northwest
186, 187	C9-C7	C7-C8	Push-back to C7,nose to west
188	C9-C7	C7-C8	Nose to north
201, 202	G9-G10-G6	G7-G6-G10-G8	Push-back to G7,nose to south
203	G9-G10-G6	G6-G10-G8	Nose to northeast
204, 205	G9-G10	G10-G8	Push-back to G10,nose to east
206R, 289, 290, 292, 293	G4-G1-G5	G5	Nose to east
206, 291	G4-G1	G5	Push-back to G5,nose to east
206L	G4-G1	G1-G5	Nose to north
208	G4	G4-G1-G5	Push-back to G4,nose to west
209, 210, 214, 215, 219, 219L/R	G-G2	G1	Push-back to G1,follow ATC instructions
211, 212, 212L/R	G-G2-G22	G1	Push-back to G1,follow

			ATC instructions
216-218	G-G2-G21	G1	Push-back to G1, follow ATC instructions
221	G	G1	Push-back to G1, nose to east
222, 223, 224R	Y6	Y6	Follow ATC instructions
224L, 224	G-Y3	Y3	Nose to east
226, 227	Y4-Y5	Y3	Push-back to Y3, follow ATC instructions
228, 229, 233L, 235, 236, 237L, 239, 239L/R, 241R	Y4	Y3	Push-back to Y3, follow ATC instructions
230, 230L/R, 232, 233, 233R	Y4-Y22	Y3	Push-back to Y3, follow ATC instructions
237, 237R	Y4-Y21	Y3	Push-back to Y3, follow ATC instructions
241, 241L, 243, 243L/R, 261-265	T3	T3	Follow ATC instructions
245-252	L4	Y2	Nose to south(245-251), nose to east(252)
266, 266L/R, 267, 268, 268L/R	T3	T3	Follow ATC instructions
269-275	Y4	Y5	Taxiing in/out on own power
276-279, 280, 280L/R	Y5	Y5	Nose to north
281-285	G-G2	G2-G3	Nose to west(281, 282) nose to northeast(283-285)
286	G-G2-G3	G3	Nose to east

287, 288	G-G4	G5	Taxiing in/out on own power
294, 295	G9-G7	G7-G8	Push-back to G7,nose to east
296	G9-G7	G7-G8	Nose to north
501, 501L/R, 502, 503, 504(when parking A/C with wingspan≤69m), 504L/R	B	B-B25-J-B23	Nose to north
500(when parking A/C with wingspan≤69m), 505, 505L/R, 506, 506L/R, 507-513(when 512 parking A/C with wingspan≤69m)	B-B25	B25-J-B23	Nose to west
514, 515, 515L/R	B-B25-J	J-B23	Nose to south
500(when parking A/C with wingspan > 69m)	B-B25	B25-B	Nose to east
504(when parking A/C with wingspan > 69m)	B	B25-B	Nose to east
512(when parking A/C with wingspan > 69m)	B-B25	J-B25-B	Nose to north
601-604	D	V4-K	Taxiing in/out on own power
605, 606, 607, 607L/R	D	V4-V1	Taxiing in/out on own power
608-612	V3-V4	V4-V1	Nose to north

613-616, 618-622	V3-V5	V5-V1	Nose to north
623-626	V3-V6	V6-V1	Nose to north
628, 629, 629L/R, 630, 630L/R, 631-634	G	G-V2	Nose to south
635, 636	G-V2-V4-V1	V1-D	Nose to west
637	G-V2-V4	V1-D	Push-back to V1,nose to west
638-640	G-V2-V5-V1	V1-D	Nose to west
641	G-V2-V5	V1-D	Push-back to V1,nose to west
642-644	G-V2-V6-V1	V1-D	Nose to west

3.2.3 复合机位使用规则

3.2.3 Rules for the use of combined stands

使用中的停机位/Stands in use	禁止同时使用的的停机位/Stands forbidden to be used
106	106L, 106R
111	111L, 111R
132	132L, 132R
135	135L, 135R
166	166L, 166R
167	167L, 167R
175	175L, 175R
176	176L, 176R
177	177L, 177R
206	206L, 206R
212	212L, 212R

219	219L, 219R
224	224L, 224R
230	230L, 230R
233	233L, 233R
237	237L, 237R
239	239L, 239R
241	241L, 241R
243	243L, 243R
266	266L, 266R
268	268L, 268R
280	280L, 280R
501	501L, 501R
504	504L, 504R
505	505L, 505R
506	506L, 506R
515	515L, 515R
607	607L, 607R
629	629L, 629R
630	630L, 630R

3.3 航空器除冰规则

3.3 Rules for deicing

3.3.1 一般要求

3.3.1 General rules

3.3.1.1 天府机场可进行发动机在翼的 C 类双发航空器慢车除冰工作，具体为波音 B737 系列机型；空客 A319、A320、A321 机型；C919 机型；其余机型提供关车除冰服务。需要慢车除冰的航空器进出除冰位

3.3.1.1 Aircraft A319,A320,A321,C919 and B737 series available for engine idle deicing, other aircraft shall deicing with engine off. Air crew shall control the throttle carefully, avoiding the exhausted gas causing

置时，机组应注意油门控制，以防尾流影响附近人员和设备。	damage to support personnel and equipment when aircraft enter/exit the deicing stands.
3.3.1.2 除冰作业期间，若关车除冰，须确认机组刹车并关闭发动机和防撞灯，垫好前轮轮挡；慢车除冰不做轮挡要求。除冰指挥员对除冰情况进行监控。	3.3.1.2 During engine off deicing, engine and collision avoidance lights shall be turned off, nose wheel chocks are positioned. Deicing controller shall monitor deicing process.
3.3.1.3 地面除冰人员应向机组确认航空器是否处于适当的除冰、防冰构型，向机组通报使用防、除冰液的类型、浓缩比例，严格按照地面操作程序，认真实施除冰工作，严防违规操作造成航空器的损坏，并安排放行人员监控航空器在除冰过程中的安全。	3.3.1.3 Ground service staff shall confirm with flight crew to guarantee aircraft is in proper deicing/anti-icing configuration, and notify the type of deicing fluid, the concentration ratio. Staff responsible for Delivery shall monitor the deicing process to ensure the safety of aircraft.
3.3.1.4 防、除冰液由除冰工作的单位（部门）负责，防止因防、除冰工作造成环境、机坪污染。	3.3.1.4 The deicing unit is responsible for the use and store of deicing and anti-icing fluid, to prevent pollution.
3.3.2 除冰机位	3.3.2 Deicing stands
本场除冰机位为 167、167L、167R、601、602、603、604。	Deicing stands are Nr.167, 167L, 167R, 601, 602, 603 and 604.
3.3.3 除冰程序	3.3.3 Deicing procedures
3.3.3.1 除冰航空器推出前需向天府机坪（APN）申请推开滑行至除冰机位指令，并按管制员要求执行	3.3.3.1 Aircrew shall apply for the instruction to push-back and taxi to deicing stand from Tianfu APN and follow the controller's requirement.
3.3.3.2 慢车除冰时，航空器进入除冰机位后，除冰指挥员通过 VHF 或者勤务耳机与机组建立有效通讯，确认机组除冰需求及机组慢车除冰准备情况；关车除冰时，飞机进入除冰机位后，机务通过勤务耳机与机组建立通话，确认机组刹车并关闭发动机和防撞灯，垫好前轮轮挡后告知机组，并询问机组是否可以开始实施除冰作业，确认机组除冰需求及准备情况。	3.3.3.2 After engine idle deicing aircraft enter deicing stand, deicing controller contact air crew with VHF or service earphone, confirm deicing requirements and preparation. After engine off deicing aircraft enter deicing stand, maintenance crew contact air crew with VHF or service earphone, confirm

	engine and collision avoidance lights has been turned off, inform air crew after nose wheel chocks are positioned, confirm deicing requirements and preparation.
3.3.3.3 机组与地面机务确认除冰完毕后,由机组向天府机坪 (APN) 申请开车滑行。	3.3.3.3 Aircrew apply to Tianfu APN for start-up and taxiing after confirming with maintenance that deicing is finished.
3.4 为降低碳排放及噪音,成都天府国际机场所有停靠机位的航空器必须接驳航空器地面静变电源,关闭 APU; 所有停靠廊桥位、161-188、166L/R、167L/R、175L/R、176L/R、177L/R、261-293、266L/R、268L/R、280L/R 远机位的航空器必须接驳航空器地面空调。	3.4 In order to reduce carbon emission and noise,all aircrafts parking at stands shall connect ground power unit and keep APU off; Aircrafts parking at boarding bridge stands and stands Nr.161-188, 166L/R, 167L/R, 175L/R, 176L/R, 177L/R, 261-293, 266L/R, 268L/R, 280L/R shall use ground air conditioner system.
3.5 地面滑行灯的使用:	3.5 The use of taxiing lights:
3.5.1 地面操作人员未完全撤离航空器地面滑行灯前方期间,机组禁止开启地面滑行灯,以免对操作人员眼睛造成损伤。	3.5.1 Taxiing lights are forbidden to turn on unless the ground personnel have evacuated from the front of the taxi lights.
3.5.2 航空器滑行入位前,机组应关闭地面滑行灯,以免对操作人员眼睛造成损伤,甚至导致操作人员无法接机,造成航空器碰撞风险。	3.5.2 Taxiing lights are forbidden to turn on before aircraft taxiing into stands.
3.6 机坪管制运行管理规定:	3.6 Apron operation rules:
3.6.1 全部机坪管制区域实施机坪管制,由天府机坪 (APN) 负责该区域航空器推出开车、滑行 牵引和其他涉及航空器运行的指挥工作。	3.6.1 Apron control is implemented in the whole apron area. Tianfu APN is responsible for aircraft push-back, taxiing, towing and other control issues related to aircraft operation.
3.6.2 机坪管制范围内离港航空器滑行:	3.6.2 Departure aircraft taxiing in APN control area:
3.6.2.1 离港航空器首次联系天府机坪 (APN) 时,机组应通报停机位编号。	3.6.2.1 Flight crew shall report parking stand number to APN on the initial contact with APN.

3.6.2.2 航空器取得天府机坪 (APN) 许可后方可推出开车, 天府机坪 (APN) 发布许可指令后, 机组应在 3min 之内执行; 超过 3min 仍未推出开车视为指令失效, 机组需要重新申请推出开车。

3.6.2.3 航空器推出开车后, 应立即向天府机坪 (APN) 申请滑行许可。

3.6.3 机坪管制范围内进港航空器滑行:

航空器进入机坪管制区域, 联系天府机坪 (APN) 申请进一步滑行许可, 并获取停机位信息。

3.6.2.2 Aircraft shall be pushed back and start up engine within 3mins after getting APN clearance, or re-apply the clearance if not fulfill in time.

3.6.2.3 Aircraft shall apply for taxiing clearance from Tianfu APN after push-back and start-up.

3.6.3 Arrival aircraft taxiing in APN control area:

Aircraft shall contact Tianfu APN for further taxiing instructions and the stand information when entering into apron.

4. 低能见度运行

4.1 低能见度运行程序的准备、实施和结束

4.1.1 实施低能见度运行准备的时机为 VIS 下降至 1000m, 或 RVR 下降至 1000m 及以下且预计持续时间 10min 及以上, 或云底高 90m, 并呈下降趋势时;

4.1.2 当 VIS 降至 800m、或 RVR 降至 550m, 或云底高降至 60m 时, 经确认机场和空管具备低能见度运行条件, 塔台宣布正式实施低能见度运行;

4.1.3 当 RVR 达到 550m 且云底高达到 60m 且气象预报呈好转趋势时, 或机场或空管不具备低能见度运行条件, 塔台结束低能见度运行。

4.2 跑道的使用

4.2.1 跑道的运行标准

4. Low visibility operation

4.1 Preparation, implementation and termination of Low Visibility Operation Procedures (LVP)

4.1.1 When VIS descend to 1000m, or RVR descend to 1000m and less and estimate steady for 10min and above, or ceiling descend to 90m and forecast shows a decreasing trend, ATC will instruct the preparation of LVP.

4.1.2 When VIS descend to 800m or RVR descend to 550m or ceiling descend to 60m, implementation of LVP will be issued by TWR after confirming aerodrome and ATC have the capabilities of LVP.

4.1.3 When RVR \geq 550m and ceiling \geq 60m and forecast shows a increasing trend, or aerodrome and ATC have no capability of LVP, TWR will terminate LVP.

4.2 Use of RWYs

4.2.1 Runway operation standards

运行标准/Operation standards	可使用跑道/Available RWYs
Standard ILS CAT II、A	01, 02
HUD special CAT I	19, 20
Low visibility take-off(HUD 150m≤RVR < 400m)	01、02、11
Low visibility take-off 200m≤RVR < 400m	01/19, 02/20, 11

4.2.2 跑道的运行模式

4.2.2 Runway operation modes

运行方向/Operation direction	可使用跑道/Available RWYs
Operation to North	01, 02, 11
Operation to South	19, 20, 11

4.3 滑行道的使用

4.3 Use of TWYs

4.3.1 本场全部滑行道满足低能见度运行标准。

4.3.1 All taxiways at the airport are available for LVP.

4.3.2 当 01 跑道有航空器实施 II 类进近时，任何车辆、人员及航空器不得进入 A1 至 A4 垂直滑行道。

4.3.2 During aircraft on RWY01 implement CAT-II approach, any vehicle, people or aircraft are forbidden to enter vertical TWY(A1-A4).

4.3.3 当 01 跑道有航空器实施 III 类进近时，任何车辆、人员及航空器不得进入 A1 至 A13 垂直滑行道以及 A11 以南的 A 滑行道。

4.3.3 During aircraft on RWY01 implement CAT-III approach, any vehicle, people or aircraft are forbidden to enter vertical TWY(A1-A13) and TWY A(south of A11).

4.4 本场实施低能见度运行的航空器营运人必须获得所在国民航当局的运行批准。

4.4 Aircraft operators conducting LVP at the airport shall be authorized by relative authorities.

4.5 航空器驾驶员应该获得如下信息：

4.5 Pilot shall obtain following information：

4.5.1 气象预报

4.5.1 Weather forecasts.

4.5.2 低能见度程序正在实施

4.5.2 LVP is implementing.

4.6 航空器引导

4.6 Aircraft guidance

在低能见度运行期间，原则上引导车按照与航空公司的协议内容提供引导；如未签署协议或超出协议范围，引导车根据机组需求提供有偿引导。

During conducting LVP, aerodrome can provide FOLLOW-ME vehicle guidance according to the agreement with airlines; Otherwise, paid guidance shall be provided for aircrafts in demand.

5. 直升机飞行限制，直升机停靠区

5. Helicopter operation restrictions and helicopter parking/docking area

无

Nil

6. 警告

6. Warning

无

Nil

ZUTF AD 2.21 减噪程序

ZUTF AD 2.21 Noise abatement procedures

无

Nil

ZUTF AD 2.22 飞行程序

ZUTF AD 2.22 Flight procedures

1. 总则

1. General

使用 01/19 跑道或 02/20 跑道进近时，未经 ATC 许可禁止偏向相邻跑道一侧。

When approaching to RWY01/19 or RWY02/20, deviation to the adjacent RWY is forbidden without ATC clearance.

2. 起落航线

2. Traffic circuits

起落航线在 01/19 跑道西侧或 02/20 跑道东侧进行。
起落航线高度：1200m（QNH）。

Traffic circuits shall be made to the west of RWY01/19 or to the east of RWY02/20, both at the altitude of 1200m(QNH).

3. 仪表飞行程序

3. IFR flight procedures

3.1 严格按照航图手册中公布的进、离场程序和进近程序飞行。在管制员的许可下，航空器可在指定的航路、导航台或定位点上空等待或机动飞行。

3.1 Strict adherence is required to the relevant departure/arrival/approach procedures published in the aeronautical charts. If necessary, aircrafts may hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.

3.2 前往天府机场落地的航空器，除 ATC 有特别要求

3.2 Aircrafts to Tianfu airport shall abide by the IAS

外, 航空器驾驶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指令速度或程序图公布速度的航空器重新安排落地次序。

4. 雷达程序和/或 ADS-B 程序

4.1 成都终端管制室在进近管制区范围内提供雷达管制服务。

4.1.1 雷达管制间隔

4.1.1.1 在成都进近雷达管制服务区内, 航空器间最低水平间隔为 5.6km, 垂直间隔为 300m, 最低间隔标准只在管制员进行飞行间隔调配时使用。

4.1.1.2 此雷达管制间隔适用于成都进近管制区雷达管制服务区内的所有民用航空器(专机除外), 不作为放飞间隔标准。

4.1.1.3 在最后进近航段距跑道末端 18.5km (10NM) 范围内, 满足尾流间隔标准的前提下 ATC 可向两架跟进落地的航空器提供 5km 的最小雷达间隔。

4.1.2 等待航线

请机组按照管制员指令的等待航线进行等待。

4.1.3 速度调整

4.1.3.1 雷达管制员为了调整飞行间隔或减少雷达引导的需要, 要求航空器严格按照管制员指定的速度飞行。

4.1.3.2 航空器在进入进近管制区前需调整进场速度,

limitation shown on charts except the special limitation required by ATC. If the flight crew can not implement the speed limitation due to aircraft performance, inform ATC in advance, otherwise, ATC will rearrange landing sequence.

4. Radar procedures and/or ADS-B procedures

4.1 Radar control service is provided in Chengdu approach control area.

4.1.1 Radar control separation

4.1.1.1 In Chengdu approach radar control service area, the minimum horizontal separation is 5.6km, and the minimum vertical separation is 300m.

4.1.1.2 The radar control separation is available for all aircrafts(except VVIP flight) in Chengdu approach radar control service area.

4.1.1.3 In final approach, within 18.5km(10NM) from approaching RWY end, to the standards of aircraft wake turbulence, the minimum radar separation between two following approaching aircrafts can be reduced to 5km by ATC.

4.1.2 Holding circuit:

Flight crew shall follow ATC instruction to hold.

4.1.3 Speed adjustment

4.1.3.1 Aircraft shall strictly follow the assigned speed by ATC.

4.1.3.2 Aircraft shall adjust speed to 250-280kt or IAS

使得进入管制移交点时的指示空速为 250-280kt 或按 limitation of procedure chart at control transfer point.
照程序图公布的要求执行。

4.2 最低监视引导高度扇区

4.2 Surveillance Minimum Altitude Sectors

sector1	ALT limit: 4150m or above
N313119 E1041418-N313647 E1040556-N314459 E1041238-N314528 E1041623-N313119 E1041418	
sector2	ALT limit: 3150m or above
N311637 E1041227-N312822 E1041846-N313119 E1041418-N311550 E1035554-N311637 E1041227	
sector3	ALT limit: 3600m or above
N314528 E1041623-N314557 E1042002-N313208 E1042048-N312822 E1041846-N313119 E1041418-N314528 E1041623	
sector4	ALT limit: 3150m or above
N314557 E1042002-N313208 E1042048-N314712 E1044817-N314648 E1043818-N314604 E1042059-N314557 E1042002	
sector5	ALT limit: 2000m or above
N311637 E1041227-N312822 E1041846-N313208 E1042048-N314712 E1044817-N314739 E1045941-N313641 E1044255-N311637 E1041227	
sector6	ALT limit: 1550m or above
N314739 E1045941-N313641 E1044255-N312924 E1051058-N312932 E1051602-N314112 E1051218-N314803 E1051006-N314739 E1045941	
sector7	ALT limit: 1200m or above
N311637 E1041227-N313641 E1044255-N312924 E1051058-N312932 E1051602-N312518 E1051723-N311360 E1052126-N310317 E1052507-N305852 E1044356-N310660 E1043919-N310713 E1042233-N311637 E1041227	
sector8	ALT limit: 1150m or above
N304242 E1040723-N304259 E1040322-N303931 E1040144-N303751 E1040233-N303612 E1040409-N304242 E1040723	

sector9	ALT limit: 1300m or above
N303744 E1041336-N304030 E1041104-N304242 E1040723-N303612 E1040409-N303331 E1040646-N303202 E1041045-N303744 E1041336	
sector10	ALT limit: 1400m or above
N305852 E1044356-N310660 E1043919-N310713 E1042233-N305512 E1042223-N303744 E1041336-N303202 E1041045-N302821 E1040856-N302458 E1042242-N302830 E1042534-N304311 E1043804-N305852 E1044356	
sector11	ALT limit: 1100m or above
N303202 E1041045-N303331 E1040646-N303612 E1040409-N303751 E1040233-N303931 E1040144-N302414 E1035618-N302252 E1035958-N302620 E1035912-N302752 E1035950-N302904 E1040121-N303005 E1040418-N302821 E1040856-N303202 E1041045	
sector12	ALT limit: 1350m or above
N302821 E1040856-N302055 E1040515-N300338 E1035645-N300038 E1040440-N300427 E1040942-N301357 E1041543-N302458 E1042242-N302821 E1040856	
sector13	ALT limit: 1300m or above
N302055 E1040515-N302821 E1040856-N303005 E1040418-N302904 E1040121-N302752 E1035950-N302620 E1035912-N302252 E1035958-N302055 E1040515	
sector14	ALT limit: 1000m or above
N310317 E1052507-N305852 E1044356-N304311 E1043804-N302830 E1042534-N302458 E1042242-N301357 E1041543-N300551 E1041036-N300017 E1041237-N295307 E1041945-N295231 E1042021-N295011 E1050712-N302949 E1051847-N303841 E1052157-N305035 E1052511-N310317 E1052507	
sector15	ALT limit: 1300m or above
N295218 E1042458-N294127 E1041819-N293722 E1041205-N291614 E1041238-N291619 E1041543-N291835 E1043601-N292003 E1045127-N292034 E1045808-N293012 E1050125-N295011 E1050712-N295218 E1042458	
sector16	ALT limit: 1150m or above
N292323 E1040160-N293102 E1035542-N293711 E1035039-N293923 E1034851-N295812 E1033318-N295945 E1033160-N300017 E1033302-N300311 E1033850-N300648 E1034057-N301050 E1034139-N301559 E1034236-N300338 E1035645-N300038 E1040440-N300427 E1040942-N300551 E1041036-N300017	

E1041237-N295307 E1041945-N295231 E1042021-N295218 E1042458-N294127 E1041819-N293722 E1041205-N291614 E1041238-N292323 E1040160	
sector17	ALT limit: 1050m or above
N311637 E1041227-N310929 E1040539-N310130 E1035910-N303845 E1034107-N302042 E1033333-N301559 E1034236-N300338 E1035645-N302055 E1040515-N302252 E1035958-N302414 E1035618-N303931 E1040144-N304259 E1040322-N304242 E1040723-N304030 E1041104-N303744 E1041336-N305512 E1042223-N310713 E1042235-N311637 E1041227	
sector18	ALT limit: 1250m or above
N301752 E1033222-N301413 E1033816-N301050 E1034139-N301559 E1034236-N302042 E1033333-N301752 E1033222	
sector19	ALT limit: 1350m or above
N300017 E1033302-N300311 E1033850-N300648 E1034057-N301050 E1034139-N301413 E1033816-N301752 E1033222-N300741 E1032807-N300017 E1033302	
sector20	ALT limit: 1600m or above
N310130 E1035910-N303845 E1034107-N303103 E1033753-N302042 E1033333-N301752 E1033222-N300741 E1032807-N300017 E1033302-N295945 E1033160-N301534 E1031840-N305756 E1034702-N310130 E1035910	
sector21	ALT limit: 2100m or above
N305520 E1033806-N305756 E1034702-N301534 E1031840-N301941 E1031512-N302444 E1031801-N303636 E1032723-N304604 E1033343-N305520 E1033806	
sector22	ALT limit: 6000m or above
N304841 E1031121-N303339 E1030325-N303631 E1030060-N304822 E1030101-N304841 E1031121	
sector23	ALT limit: 4800m or above
N304860 E1032225-N302708 E1030856-N303339 E1030325-N304841 E1031121-N304860 E1032225	
sector24	ALT limit: 3550m or above
N304860 E1032225-N302708 E1030856-N302529 E1031019-N304031 E1032443-N305149 E1032938-N304908 E1032729-N304860 E1032225	

sector25	ALT limit: 2850m or above
N301941 E1031512-N302320 E1031208-N302916 E1031812-N305451 E1033631-N305520 E1033806-N304604 E1033343-N303636 E1032723-N302444 E1031801-N301941 E1031512	
sector26	ALT limit: 3250m or above
N305149 E1032938-N305949 E1033603-N310000 E1033660-N310115 E1034044-N305451 E1033631-N302916 E1031812-N302320 E1031208-N302529 E1031019-N304031 E1032443-N305149 E1032938	
sector27	ALT limit: 2650m or above
N310115 E1034044-N310929 E1040539-N310130 E1035910-N305756 E1034702-N305520 E1033806-N305451 E1033631-N310115 E1034044	
sector28	ALT limit: 4800m or above
N311550 E1035554-N310000 E1033660-N305949 E1033603-N311537 E1034845-N311550 E1035554	
sector29	ALT limit: 5500m or above
N311550 E1035554-N313119 E1041418-N313647 E1040556-N311537 E1034845-N311550 E1035554	
sector30	ALT limit: 3100m or above
N310929 E1040539-N310115 E1034044-N310000 E1033660-N311550 E1035554-N311637 E1041227-N310929 E1040539	

5. 无线电通信失效程序

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

5. Radio communication failure procedures

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

6. 目视飞程序

无

6. Procedures for VFR flights

Nil

7. 目视飞行航线

无

7. VFR route

Nil

8. 其它规定**8. Other regulations**

无

Nil

ZUTF AD 2.23 其它资料

ZUTF AD 2.23 Other information

鸟情资料

Bird's information

天府机场处于中亚高原和东亚－澳大利西亚鸟类迁徙路线上，全年均有鸟类活动，鸟类活动规律性强，其中 3-5 月、9-11 月的春、秋季迁徙期，本场及周边有大量迁徙鸟、旅鸟活动。3-5 月春季鸟类迁徙期，夏候鸟主要迁徙路线为由南向北迁徙；9-11 月秋季鸟类迁徙期，冬候鸟主要迁徙路线为由北向南迁徙。机场制定了多种鸟击防范措施，保障航空器的安全运行。具体鸟类如下：

CHENGDU/Tianfu International Airport is located on the Central Asian Plateau and the East Asia Australiasia Bird migration route. There are bird activities throughout the year, with strong regularity of bird activities. In the spring and autumn migration periods from March to May and from September to November, there are a large number of migratory birds and traveling birds on and around the airport. In the spring Bird migration period from March to May, the main migration route of summer birds is from south to north; During the autumn Bird migration period from September to November, the main migration route of winter birds is from north to south.

AD Authority resorts to dispersal methods to reduce bird activities. The details of bird activities are as follows:

Major Species		Residential Type	Hazard level	Time of major activity	Major Height	Major Area
Podicipedidae	Little Grebe	Resident	Middle	Whole year	0-100m	Reservoir 1-2
Columbidae	Pigeon	-	High	Whole year	0-200m	West side of 01/19 runway、East side of 02/20 runway、north side of 11

						runway
	Oriental Turtle Dove	Resident	Middle			The entire airport
	Spotted Dove	Resident	High			
Curlew	Eurasian Woodcock	Winter resident	Middle	January to March、 September to December	0-1000m	Transit 01/19 runway、 02/20runway 、 11runway at night
Charadriidae	Northern Lapwing	Winter resident	Middle	January to March、 October to December	0-1000m	01/19 runway Soil surface areas at both ends、 02/20 runway Soil surface areas at both ends、 11 runway Soil surface areas at both ends
Falconidae	Common Kestrel	Resident	Middle	Whole year	0-800m	East side of 01/19 runway、 West side of 02/20 runway、 Reservoir 2
Ardeidae	Little Egret	Summer	High	Major in	0-600m	South side of

		residents, some are residents		March to September, or whole year		01/19 runway、East side of 02/20 runway、 Reservoir 1-2
	Chinese Pond Heron	Summer resident	High	April-October	0-1000m	South side of 01/19 runway、 East side of 02/20 runway、 Reservoir 1-2
	Striated Heron	Summer resident	High	April-Septem ber	0-600m	Reservoir 1-2
Strigidae	Short-eared Owl	Winter resident	High	January to March、 September to December	0-300m	Transit 01/19 runway、 02/20runway 、11runway at night
Anatidae	Greylag Goose	Traveler	High	March to April、 October to November	0-3000m	Night migration and transit, stop in the soil area and reservoir 1-2 of the airport

	Bar-headed Goose	Traveler	Middle	April, October to November	0-4000m	Night migration and transit, stop in the soil area of the airport
	Spot-billed Duck	Winter resident	Middle	January to February, September to December	0-2000m	South side of 01/19 runway, East side of 02/20 runway, Reservoir 1-2
	Eurasian Teal	Winter resident	Middle			
	Aythya Fuligula	Winter resident	Middle			
	Common Pochard	Winter resident	Middle			
	Swan Goose	Traveler	Middle	In April, October-November	0-3000m	Most of night migration transit, flight area soil area or 1-2 reservoir rest
	Ferruginous Duck	Winter bird	Middle	January-February, September-December	0-2000m	West of runway 01 / 19, east of runway 02 / 20, number 1-2 regulation reservoir, Lotus Lake reservoir

	Mallard	Winter bird	High	January-February, September-December	0-2000m	West of runway 01 / 19, east of runway 02 / 20, number 1-2 regulation reservoir, Lotus Lake reservoir
Accipitridae	Common Buzzard	Winter resident	Middle	March to April, October to November	0-1500m	01/19 runway Soil surface areas at both ends、 02/20 runway Soil surface areas at both ends、 11 runway Soil surface areas at both ends
Hirundinidae	Family Swallow	Summer residents	High	March to October	0-200m	The entire airport, Activities within 2 hours before and after rainfall
	Red-rumped Swallow	Summer residents	High	March to October		
Alaudidae	Oriental	Winter	Middle	January to	0-200m	The entire

	Skylark	resident		March、 September to December		airport
Motacillidae	Paddy-field pipit	Winter resident	Middle	January to March、 September to December	0-400m	Soil surface of the entire airport
Fringillidae	Sparrow	Resident	High	Whole year	0-100m	The entire airport
Emberizidae	Little Bunting	Winter resident		January to March、 October to December	0-100m	The entire airport
Vespertilionid ae	Anshi brown bat	-	Middle	April-October	0-200m	The whole field is distributed, mostly in the 01 end, 02 end
	Vespertilio superans Thomas	-	Middle	April-October		