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

ZYCC-长春/龙嘉 CHANGCHUN/Longjia

ZYCC 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	N43°59.9' E125°41.3' On RCL, 1400m from THR of RWY24
2	方向、距离 Direction and distance from city	067°GEO, 32km from Renmin Square
3	标高/参考气温 Elevation / Reference temperature	215.3m/27.4℃(JUL)
4	机场标高位置/大地水准面波幅 AD ELEV PSN / geoid undulation	-/-
5	磁差/年变率 MAG VAR/ Annual change	9°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	Jilin Province Civil Aviation Airport Group Co. Nr. 3500 airport road, Changchun, Jilin province 130039, China Post code:130039 TEL:86-431-88797029 FAX:86-431-88797096 AFS:ZYCCYDYX Email:jldaws@cahs.com.cn
7	允许飞行种类 Types of traffic permitted(IFR / VFR)	IFR/VFR
8	机场性质/飞行区指标 Military or civil airport &Reference code	CIVIL/4E
9	备注 Remarks	Nil

ZYCC 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)	HS or O/R
2	海关和移民	HS or O/R

	Customs and immigration	
3	卫生健康部门 Health and sanitation	HS or O/R
4	航行情报服务讲解室 AIS Briefing Office	HS or O/R
5	空中交通服务报告室 ATS Reporting Office (ARO)	HS or O/R
6	气象讲解室 MET Briefing Office	HS or O/R
7	空中交通服务 ATS	HS or O/R
8	加油 Fuelling	HS or O/R
9	地勤服务 Handling	HS or O/R
10	保安 Security	HS or O/R
11	除冰 De-icing	HS or O/R
12	备注 Remarks	Nil

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

1	货物装卸设施 Cargo-handling facilities	Platform lift, baggage transporter, trailer, cargo bucket, fork lift, container 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	hydrant dispensers: 27 litres/sec tank refuelers: 20 litres/sec
4	除冰设施 De-icing facilities	9 de-icers
5	过站航空器机库	Nil

	Hangar space for visiting aircraft	
6	过站航空器的维修设施 Repair facilities for visiting aircraft	Nil
7	备注 Remarks	Ground power unit, ground air supply unit,

ZYCC AD 2.5 旅客设施 Passenger facilities

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

ZYCC AD 2.6 援救与消防服务 Rescue and fire fighting services

1	机场消防等级 AD category for fire fighting	CAT 8
2	援救设备 Rescue equipment	Fire fighting facilities: command car, rapid intervention vehicle, primary foam tender, heavy-duty water tank truck, heavy-duty foam tender, water tank truck, demolition rescue truck, illumination truck, medicament reinforcement car, aerial ladder truck
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTOW up to B747 Rescue equipment: uplift air cushion, mobile surface operation devices, towing tractor, rubber pad, towing rack, etc.

4	备注 Remarks	Nil

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

1	可用季节及扫雪设备类型 Types of clearing equipment	All seasons Snow blower, snow plough, snow slinger,ice spreading car
2	扫雪顺序 Clearance priorities	RWY, TWY, apron
3	备注 Remarks	Nil

ZYCC 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 82/R/B/W/T (de-icing apron 01, 02L, 02, 02R) PCN 80/R/B/W/T (stands Nr.211-221) PCN 79/R/B/W/T (stands Nr.A08-A19, 101-109, 210) PCN 60/R/B/W/T (stands Nr.222-232, B01-B05) PCN 56/R/B/W/T (stands Nr.A20-A28)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	Width:	38m: B 34m: G 28.5m: A (BTN RWY & Main A), A1, C, F 23m: Main A, H, H1-H4, L1-L4 18m: D, E
		Surface:	Asphalt concrete Cement concrete
		Strength:	PCN 88/F/B/W/T：B , D , E PCN 87/R/B/W/T：A (BTN RWY & Main A) PCN 85/R/B/W/T：G PCN 84/R/B/W/T：L2, L4 PCN 83/R/B/W/T： F, L3 PCN 82/R/B/W/T：A1 (BTN RWY & Main A) PCN 80/R/B/W/T：Main A , A1 (BTN A & H), H, H1-H4, L1

			PCN 78/R/B/W/T：C
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	INS checkpoints: at stands	
5	备注 Remarks	Nil	

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

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersections of TWY and RWY, TWY and apron. Guide lines at all TWY and apron	
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
		RWY lights	Center line, edge line, THR, RWY end
		TWY markings	Center line, edge line, taxi holding positions, enhanced center line, no entry
		TWY lights	Center line lights, edge line lights, RWY guard lights, rapid exit taxiway indicator lights, No-entry bar, intermediate holding position lights, de-icing/anti-icing facility exit lights
3	停止排灯 Stop bars	Nil	
4	备注 Remarks	Nil	

ZYCC AD 2.10 机场障碍物 Aerodrome obstacles

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

序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
1	Trees	048	1084	215.5	RWY24 RNAV ILS/DME final approach (missed approach 4%)	
2	Trees	054	1629	206.1	RWY06 departure	
3	Trees	054	1697	202.8	RWY06 take-off path	
4	Trees	056	1769	205.4	RWY06 take-off path	
5	Trees	056	1771	205.8	RWY06 take-off path	
6	TWR	064	11281	231.0	RWY24 RNAV ILS/DME GP INOP, ILS/DME GP INOP final approach	
7	TWR	072	11896	264.4	RWY24 NDB/DME final approach	
8	Control TWR	098	849	254.4		
9	Trees	119	6455	350.0	RWY24 Holding(CC410)	
10	Trees	172	8308	355.0	Circling CAT C	
11	Control TWR	180	664	264.0	RWY24 RNAV ILS/DME final approach (missed approach 2.5%)	
12	Trees	200	9589	382.0	Circling CAT D	
13	Microwave TWR	222	6340	302.0	Circling CAT B	
14	Microwave TWR	224	5924	294.9	RWY06 NDB/DME final approach	
15	Trees	231	2619	241.9	RWY24 departure	
16	Trees	231	2623	241.5	RWY24 departure	
17	Trees	232	2590	239.6	RWY24 PBN departure(DUKAG)	
18	Trees	232	2615	241.4	RWY24 departure	

Obstacles within a circle with a radius of 15km centered on ARP						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
19	Trees	233	2564	239.7	RWY24 departure	
20	Trees	233	2567	239.6	RWY24 departure	
21	Trees	234	2541	236.9	RWY24 take-off path	
22	Trees	235	2531	234.7	RWY24 take-off path	
23	Trees	237	2718	240.1	RWY24 take-off path	
24	Trees	237	2719	241.0	RWY24 take-off path	
25	TWR	237	6850	279.0	RWY06 RNAV ILS/DME GP INOP、ILS/DME GP INOP final approach	
26	Trees	239	2893	243.5	RWY24 take-off path	
27	Trees	240	2893	244.0	RWY24 take-off path	
28	Trees	240	2894	244.1	RWY06 RNAV ILS/DME final approach，RWY24 take-off path	
29	Trees	240	11079	342.0	RWY24 departure, RWY06 NDB/DME final approach	
30	Lightning Rod	241	2043	219.5	RWY24 take-off path	
31	Trees	241	2124	225.9	RWY24 take-off path	
32	Trees	241	2289	229.7	RWY24 take-off path	
33	Trees	241	11298	343.0	RWY06 RNAV ILS/DME GP INOP、ILS/DME GP INOP final approach	
34	Trees	242	2062	232.1	RWY24 departure	
35	Trees	242	2082	229.0	RWY24 departure	

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

序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
36	Trees	242	2094	221.5	RWY24 take-off path	
37	Trees	242	2194	227.0	RWY24 take-off path	
38	Trees	242	2209	231.1	RWY24 departure	
39	Trees	242	3670	253.6	RWY24 take-off path	
40	Trees	242	3674	254.0	RWY24 take-off path	
41	Trees	242	4027	259.9	RWY24 take-off path	
42	Trees	243	2115	228.9	RWY24 departure	
43	Trees	243	2125	234.1	RWY24 departure	
44	Trees	243	2127	231.6	RWY24 departure	
45	Trees	243	2127	231.7	RWY24 departure	
46	Trees	243	2189	230.1	RWY24 departure	
47	Trees	243	2393	235.4	RWY24 departure	
48	Trees	243	2405	236.4	RWY24 departure	
49	Trees	243	2416	235.8	RWY24 departure	
50	Trees	243	3712	255.6	RWY24 take-off path	
51	Trees	244	2081	235.0	RWY24 departure	
52	Trees	244	3681	255.2	RWY24 PBN departure	
53	Trees	245	2490	238.2	RWY24 departure	
54	Trees	245	2511	239.2	RWY24 departure	
55	Trees	245	2553	242.4	RWY24 departure	
56	Trees	245	2554	242.7	RWY24 departure	
57	Trees	245	2556	241.5	RWY24 departure	
58	Lightning Rod	255	3369	275.2	Circling CAT A	

Others:

Obstacles between two circles with the radius of 15km and 50km centered on ARP						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
1	MT	043	58892	460	RWY24 Holding (CC613)	
2	TWR	067	22447	345	RWY24 ILS/DME, NDB/DME intermediate approach	
3	Chimney	067	22826	422	RWY24 RNAV ILS/DME intermediate approach, RWY24 ILS/DME initial approach	
4	MT	079	33755	555	RWY06 PBN departure	
5	Trees	090	17515	457	RWY06 PBN departure, RWY24 RNAV ILS/DME missed approach	
6	Microwave TWR	117	16759	509	RWY06 Holding (CC508), RWY24 Holding (CC654)	
7	MT	126	61100	799	Sector (LJB)	
8	MT	162	54900	687	Sector (ARP、D、P)	
9	Chimney	203	39621	432	RWY06 Holding (CC517)	
10	Microwave TWR	227	27189	445		
11	MT	231	22298	379	RWY06 RNAV ILS/DME, ILS/DME intermediate approach	
12	BLDG	248	18529	333	RWY06 NDB/DME intermediate approach	
13	TWR	255	34308	449	RWY06 Holding (CC513)	

Obstacles between two circles with the radius of 15km and 50km centered on ARP						
序号 Serial Nr.	障碍物类型(*代表有灯光) Obstacle type(*Lighted)	磁方位 BRG (MAG)(degree)	距离 DIST(m)	海拔高度 Elevation(m)	影响的飞行程序及起飞航径区 Flight procedure / take - off flight path area affected	备注 Remarks
Others:						

ZYCC 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	相关气象台的名称 Associated MET Office	Changchun Longjia Aerodrome MET Office
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	HO
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	Changchun Longjia Aerodrome MET Office; 9 HR, 24HR
4	趋势预报发布间隔 Issuance interval of trend forecast	Trend 1 HR
5	所提供的讲解/咨询服务 Briefing/consultation provided	P, T
6	飞行文件及其使用语言 Flight documentation, Languages used	Chart, table or 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
8	提供信息的辅助设备 Supplementary equipment available for providing information	FAX
9	提供气象情报的空中交通服务单位 ATS units provided with information	TWR, Changchun APP

10	观测类型与频率/自动观测设备 Type & frequency of observation/Automatic observation equipment	Hourly plus special observation/Yes
11	气象报告类型及所包含的补充资料 Type of MET Report & supplementary information included	METAR, SPECI, TEND
12	观测系统及位置 Observation System & Site(s)	RVR EQPT A: 110m NW of RCL, 355m inward THR06; B: 110m NW OF RCL,1590m inward THR24; C: 115m NW of RCL, 334m inward THR24. SFC wind sensors 24: 350m inward THR, 115m NW of RCL; MID: 1610m inward THR,110m NW of RCL; 06: 350m inward THR, 115m NW of RCL. Ceilometer Ceilometer: 06/24: 30m NW of RCL, 1050m outward THR24; 990m outward THR06.
13	气象观测系统的工作时间 Hours of operation for meteorological observation system	H24
14	气候资料 Climatological information	Climatological tables AVBL
15	其他信息 Additional information	Nil

ZYCC 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 / SWYsurface	着陆入口坐标及高程异常 THR coordinates and geoid undulation	跑道入口标高,精密进近跑道接地带最高标高 THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6

06	049°GEO 058°MAG	3200×45	81/R/B/W/T CONC/-		THR215.3m TDZ214.6m
24	229°GEO 238°MAG	3200×45	81/R/B/W/T CONC/-		THR196.8m TDZ197.5m
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)	无障碍物区 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	3320×300	Nil	Nil
See AOC	Nil	Nil	3320×300	Nil	Nil
Remark:					

ZYCC 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
06	3200	3200	3200	3200	Nil
24	3200	3200	3200	3200	Nil
Remarks:					

ZYCC 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

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
06	PALS CAT I* 900m VRB LIH	GREEN --	PAPI LEFT 3°	Nil	3200m** spacing 30m	3200m*** spacing 60m	RED	Nil
24	PALS CAT I* 900m VRB LIH	GREEN --	PAPI RIGHT 3°	Nil	3200m** spacing 30m	3200m*** spacing 60m	RED	Nil
Remarks: *SFL **up to 2300m White VRB LIH, 2300-2900m Red/White VRB LIH, 2900-3200m Red VRB LIH ***up to 2600m White VRB LIH, 2600-3200 Yellow VRB LIH.								

ZYCC AD 2.15 其他灯光,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	着陆方向标/风向标位置和灯光 LDI/WDI location and LGT	WDI: 06:115m S of RCL, 313m inward THR06, with light 24:110m S of RCL, 310m inward THR24, with light
3	滑行道边灯和中线灯 TWY edge and center line lighting	All TWYs
4	备份电源/转换时间	Secondary power supply available/ 15 sec

	Secondary power supply/switch-over time	
5	备注 Remarks	Nil

ZYCC 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（m/ft） TLOF and/or FATO elevation (m/ft)	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

ZYCC AD 2.17 空中交通服务空域 ATS airspace

名称 Designation	水平范围 Lateral limits	垂直范围 Vertical limits	备注 Remarks
Longjia tower control area	A circuit: 2 arcs with radius 13km centered at centers of both RWY THRs and 2 parallel lines of 13km from RCL	GND-600m	Nil

名称 Designation	水平范围 Lateral limits	垂直范围 Vertical limits	备注 Remarks
Fuel Dumping Area	N4450.0E12400.0 - N4450.0E12500.0 - N4420.0E12500.0 - N4420.0E12000.0 - N4450.0E12400.0	4500m and above	Nil
Altimeter setting region and TL/TA	N443103E1255611 - N440226E1263930 - N434131E1263716 - N432901E1255526 - N431548E1252936 - N434310E1245537 - N440404E1251331 - N443018E1252459 - N443103E1255611	TL 3600m TA 3000m 3300m(QNH≥1031hPa) 2700m(QNH≤979hPa)	Nil

ZYCC 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		126.25	HO	D-ATIS available
APP	Changchun Approach	APP01:119.45(127.9)	H24	
APP	Changchun Approach	APP02:125.25(127.9)	0400-1000	Contact ZYCCAPP01 when ZYCCAPP02 U/S.
TWR	Longjia Tower	118.85(124.35)	HO	
GND	Changchun Ground	121.95	2300-1200	Contact TWR when GND out of service DCL available.
RAMP	Changchun Ramp	RAMP01:121.6	HO	for east apron
RAMP	Changchun Ramp	RAMP02:121.675	HO	for north apron

ZYCC 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
Wanchang VOR/DME	LJB	115.9MHz CH106X	N43°46.4′ E125°51.1′	199m	
LMM 06	D	216kHz	238 °MAG/980m FM THR RWY06		
LOC 06 ILS CAT I	IDD	109.3MHz	058 °MAG/250m FM end RWY 06		
GP 06		332.0MHz	120m N of RCL 340m FM THR06		Angle 3 °, RDH15m
DME 06	IDD	CH30X (109.3MHz)	243 °MAG/1257m FM RWY center	220m	Co-located with GP06
LMM 24	P	198kHz	058 °MAG/1040m FM THR RWY24		
LOC 24 ILS CAT I	IPP	110.1MHz	238 °MAG/ 250m FM end RWY 24		
GP 24		334.4MHz	120m N of RCL 284m FM THR 24		Angle 3 °,RDH 15m
DME 24	IPP	CH38X (110.1MHz)	053 °MAG/1313m FM RWY center	205m	Co-located with GP24

ZYCC AD 2.20 本场飞行规定

1. 机场使用规定

1.1 所有技术试飞需事先申请，并在得到空中交通管制部门批准后方可进行；

ZYCC AD 2.20 Local traffic regulations

1.Airport operations regulations

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

1.2 可使用最大机型：B747-400 同类及其以下机型。

1.2 Maximum aircraft to be available: B747-400 and equivalent.

2. 跑道和滑行道的使用

2. Use of runways and taxiways

2.1 可以通过塔台申请拖车服务;

2.1 Towing service is available via Tower Control;

2.2 滑行道滑行限制

2.2 Taxiing limits

滑行道/ TWYs	航空器翼展限制/ Wing span limits for aircraft
TWY C, TWY F	≤54.94m
TWY D, TWY E	＜36

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 未经塔台同意，严禁航空器利用自身动力倒滑;

3.1 Push-back of aircraft on its own power is strictly forbidden without Tower Control clearance;

3.2 发动机试车，需经塔台许可，并在指定的地点进行。严禁在客机坪试大车;

3.2 Engine run-ups are subject to Tower Control clearance, and shall be carried out at a designated location. Fast engine run-ups on apron are strictly forbidden;

3.3 机位使用限制

3.3 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	滑入、滑出方式/ Enter or Exit
Nr.212, 214, 216, 221	<65m	<71m	Taxi in/ Push-back

Nr.103	<65m	<70.75m	Taxi in/ Push-back
Nr.A15	<65m	<63m	Taxi in/ Push-back
Nr.02	<65m		Taxi in/ Taxi out
Nr.101, 102	<64m	<64m	Taxi in/ Push-back
Nr.A17-A19, 104, 105, 210, 213, 215	<52m	<50m	Taxi in/ Push-back
Nr.A08-A14, A16, A20-A27, 106-109, 211, 217-220, 222-232	<36m	<45m	Taxi in/ Push-back
Nr.B01-B05	<36m	<45m	Taxi in/ Taxi out
Nr.01, 02L, 02R	<36m		Taxi in/ Taxi out
Nr.A28	<24m		Taxi in/ Push-back

4. 进、离场管制规定

无

4. Air traffic control regulations

Nil

5. 机场的 II/III 类运行

无

5. CAT II/III operations at AD

Nil

6. 除冰规则

无

6. Rules for deicing

Nil

7. 平行跑道同时仪表运行

无

7. Simultaneous operations on parallel runways

Nil

8. 警告

8. Warning

无

Nil

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

ZYCC AD 2.21 噪音限制规定及减噪程序

ZYCC AD 2.21 Noise restrictions and Noise abatement procedures

无

Nil

ZYCC AD 2.22 飞行程序

ZYCC AD 2.22 Flight procedures

1. 总则

1. General

除经长春进近或塔台特殊许可外，在长春进近管制区和塔台管制区内的飞行，必须按照仪表飞行规则进行。

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

2. 起落航线

2. Traffic circuits

起落航线在跑道东南侧进行。经 ATC 许可，起落航线在跑道两侧均可，A、B、C、D 类航空器高度 750m 或以上。

Traffic circuits shall be made to the southeast of RWY and can be made to both sides of RWY by ATC clearance, at altitudes 750m or above for aircraft CAT A. B. C. D.

3. 仪表飞行程序

3. IFR flight procedures

严格按照航图中公布的进、离场程序飞行。如果需

Strict adherence is required to the relevant

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。

arrival/departure procedures published in the aeronautical charts. Aircraft may, if necessary, hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.

4. 雷达程序和/或 ADS-B 程序

4. Radar procedures and/or ADS-B procedures

4.1 进近管制区域内实施雷达管制，航空器最小水平间隔为 5.6km。

4.1 Radar control within Changchun APP has been implemented, the minimum horizontal radar separation is 5.6km.

4.2 长春进近管制区全区域实施雷达和 ADS-B 融合运行。

4.2 Radar control and ADS-B merging operation has been implemented within Changchun APP area.

4.2.1 主用监视手段：雷达

4.2.1 Primary surveillance: Radar.

4.2.2 辅助监视手段：1090ES ADS-B OUT

4.2.2 Auxiliary surveillance: 1090ES ADS-B OUT.

4.2.3 运行期间，进入长春进近管制区具备 ADS-B 能力的航空器机组应全程打开 ADS-B 功能，并保证 ADS-B 发射机设置的航班识别信息（FLIGHT ID）与 FPL 报编组 7 内航班识别呼号（ACID）完全相同。

4.2.3 During operation, aircraft capable of ADS-B within the Changchun APP area should continuously be functional and ensure that the FLIGHT ID designated by ADS-B and ACID in item 7 of FPL are totally same.

4.2.4 航空器运营人应在 FPL 报编组 10 中明确其所运营的航空器是否具备 1090ES ADS-B OUT 能力，并对其正确性负责。

4.2.4 Aircraft operator shall confirm the capability of 1090ES ADS-B OUT operation in item 10 of FPL and be responsible for its correction.

4.2.5 当与 ADS-B 运行相关的机载设备不正常工作时，航空器驾驶员应及时向管制员报告。

4.2.5 When the ADS-B equipments are unserviceable during flight, the pilot-in-command must notify ATC as soon as possible.

5. 无线电通信失效程序

无

5. Radio communication failure procedures

Nil

6. 目视飞行程序

6.1 按起落航线在机场上空等待，等待高度 by ATC。

6.2 长春进近管制区 6000m（含）以下和龙嘉塔台管制空域，实施目视间隔和目视进近运行。

6. Procedures for VFR flights

6.1 Join the holding pattern according to the traffic circuits, altitude by ATC.

6.2 Visual separation and visual approach can be implemented within APP control area (6000m and below) and TWR control area.

7. 目视飞行航线

无

7. VFR route

Nil

8. 目视参考点

无

8. Visual reference point

Nil

9. 其它规定

无

9. Other regulations

Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

1. Waypoint list

CC402	N434528.8 E1244905.3	CC612	N432344.4 E1254223.9
CC404	N434513.1 E1260156.4	CC613	N441828.7 E1255835.4
CC405	N442355.2 E1255206.1	CC618	N434836.5 E1255813.2
CC410	N441214.3 E1254827.1	CC619	N434508.2 E1253020.5

CC412	N434508.4 E1251742.4	CC651	N435602.7 E1253506.6
CC413	N434833.5 E1252308.7	CC652	N435130.0 E1254031.6
CC414	N434639.5 E1250945.8	CC653	N440035.2 E1252940.7
CC415	N433859.3 E1245917.8	CC654	N435809.7 E1255115.2
CC416	N433805.7 E1244357.4	CC656	N433607.1 E1252720.5
CC457	N431631.2 E1253716.5	CC657	N434831.7 E1255041.9
CC459	N434215.1 E1263036.7	CC658	N434939.2 E1254651.4
CC503	N435205.7 E1252847.0	CC401	N434408.5 E1242648.8
CC504	N433931.5 E1250848.9	CC411	N440242.6 E1253305.0
CC505	N434036.5 E1252307.8	CC451	N433713.3 E1242929.1
CC507	N434733.2 E1253412.2	CC452	N434631.2 E1250717.2
CC508	N435108.4 E1253956.9	CC454	N425601.8 E1251028.4
CC509	N435405.3 E1254441.3	CC455	N425450.1 E1252201.5
CC510	N434959.5 E1254933.0	CC512	N441301.9 E1254944.1
CC513	N435637.8 E1252321.1	CC518	N434016.7 E1252236.3
CC514	N434500.3 E1255331.0	CC564	N433323.9 E1253645.4
CC515	N433631.6 E1252759.9	APESI	N4345.6 E12558.1
CC517	N434327.8 E1253904.1	AVMUT	N4338.7 E12455.0
CC561	N440858.1 E1255557.8	BEPGU	N4342.3 E12555.7
CC562	N435448.1 E1255420.1	BIXEG	N4423.0 E12606.0
CC567	N441854.2 E1255805.1	BUTET	N4340.9 E12417.8
CC568	N434800.3 E1253455.5	DUKAG	N4347.3 E12521.1
CC602	N440457.9 E1254928.4	DUKIR	N4431.9 E12553.9
CC603	N440730.2 E1255335.0	ENPEN	N4348.7 E12548.0
CC604	N441045.2 E1255851.7	GUPUL	N4327.2 E12532.3
CC605	N441354.9 E1260400.7	IDVOT	N4337.4 E12717.0
CC606	N440920.8 E1260925.2	ISLUK	N4430.4 E12607.7

CC607	N440611.4 E1260416.3	LEMOT	N4249.5 E12511.0
CC608	N440256.6 E1255859.7	MAGBI	N4404.8 E12602.0
CC609	N435547.6 E1254725.9	NIMEM	N4406.3 E12548.3

2. Database coding table

Path Terminator	Waypoint ID	Fly over	Magnetic Course (°)	Turn Direction	Altitude (m)	IAS (kt)	VPA/ TCH	Navigation Specification
RWY06 SID IDVOT-71D								
CF	CC602	Y	058					RNAV1
TF	CC561	Y						RNAV1
DF	CC562			R	↑3000 or by ATC	MAX 260		RNAV1
TF	CC404				↑3600			RNAV1
TF	CC459							RNAV1
TF	IDVOT							RNAV1
RWY06 SID LEMOT-71D								
CF	CC602	Y	058					RNAV1
TF	CC561	Y						RNAV1
DF	CC562			R	↑3000 or by ATC	MAX 260		RNAV1
TF	ENPEN				↑3600			RNAV1
TF	CC564				↑5100			RNAV1
TF	GUPUL							RNAV1
TF	CC454							RNAV1
TF	LEMOT							RNAV1
RWY06 SID LEMOT-72D								
CF	CC602	Y	058					RNAV1

TF	CC561	Y						RNAV1
TF	CC605							RNAV1
TF	CC567					MAX 240		RNAV1
TF	CC410				↑3600 or by ATC			RNAV1
TF	CC411				↑4500 or by ATC			RNAV1
TF	CC568							RNAV1
TF	CC564				↑5100			RNAV1
TF	GUPUL							RNAV1
TF	CC454							RNAV1
TF	LEMOT							RNAV1
RWY06 SID ISLUK-71D								
CF	CC605		058					RNAV1
TF	BIXEG							RNAV1
TF	ISLUK							RNAV1
RWY06 SID BUTET-71D								
CF	CC602	Y	058					RNAV1
TF	CC561	Y						RNAV1
TF	CC605							RNAV1
TF	CC567					MAX 240		RNAV1
TF	CC410				↑3600 or by ATC			RNAV1
TF	CC411				↑4500 or by ATC			RNAV1
TF	CC452							RNAV1

TF	CC402							RNAV1
TF	CC401							RNAV1
TF	BUTET							RNAV1
RWY06 SID BUTET-72D								
CF	CC602	Y	058					RNAV1
TF	CC561	Y						RNAV1
DF	CC562			R	↑3000 or by ATC	MAX 260		RNAV1
TF	ENPEN				↑3600			RNAV1
TF	CC568							RNAV1
TF	CC452							RNAV1
TF	CC402							RNAV1
TF	CC401							RNAV1
TF	BUTET							RNAV1
RWY24 SID IDVOT-91D								
CF	CC651		238			MAX 220		RNAV1
TF	CC652							RNAV1
TF	CC658				↑1800			RNAV1
TF	CC657				↑2100			RNAV1
TF	CC404							RNAV1
TF	CC459							RNAV1
TF	IDVOT							RNAV1
RWY24 SID LEMOT-91D								
CF	DUKAG		238		↑2100			RNAV1
TF	CC656							RNAV1
TF	GUPUL							RNAV1

TF	CC454							RNAV1
TF	LEMOT							RNAV1
RWY24 SID ISLUK-91D								
CF	CC651		238					RNAV1
TF	CC652					MAX 220		RNAV1
TF	CC654							RNAV1
TF	MAGBI							RNAV1
TF	BIXEG							RNAV1
TF	ISLUK							RNAV1
RWY24 SID ISLUK-92D(by ATC)								
CF	CC651		238					RNAV1
TF	CC653					MAX 220		RNAV1
TF	CC411							RNAV1
TF	CC410							RNAV1
TF	BIXEG							RNAV1
TF	ISLUK							RNAV1
RWY24 SID BUTET-91D								
CF	DUKAG		238		↑2100			RNAV1
TF	CC414							RNAV1
TF	CC452							RNAV1
TF	CC402							RNAV1
TF	CC401							RNAV1
TF	BUTET							RNAV1
RWY24 SID LEMOT-9YD								
CF	DUKAG		238		↑2100			RNAV1

TF	CC656				↓3900 or by ATC			RNAV1
TF	GUPUL							RNAV1
TF	CC454							RNAV1
TF	LEMOT							RNAV1
RWY06 STAR IDVOT-71A								
IF	IDVOT							RNAV1
TF	CC459							RNAV1
TF	CC404							RNAV1
TF	CC514				↓2700			RNAV1
TF	CC510							RNAV1
TF	CC509							RNAV1
TF	CC508							RNAV1
TF	CC507							RNAV1
TF	CC505							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1
TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 STAR LEMOT-71A								
IF	LEMOT							RNAV1
TF	CC455							RNAV1
TF	CC457				↓4800			RNAV1
TF	GUPUL							RNAV1
TF	CC515				↓3000			RNAV1
TF	CC505							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1

TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 STAR LEMOT-72A								
IF	LEMOT							RNAV1
TF	CC455							RNAV1
TF	CC457				↓4800			RNAV1
TF	BEPGU				↓3000			RNAV1
TF	CC514				↓2700			RNAV1
TF	CC510							RNAV1
TF	CC509							RNAV1
TF	CC508							RNAV1
TF	CC507							RNAV1
TF	CC505							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1
TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 STAR DUKIR-71A								
IF	DUKIR							RNAV1
TF	CC405							RNAV1
TF	CC512							RNAV1
TF	NIMEM							RNAV1
TF	CC509							RNAV1
TF	CC508							RNAV1
TF	CC507							RNAV1
TF	CC505							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1

TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 STAR DUKIR-72A(by ATC)								
IF	DUKIR							RNAV1
TF	CC405							RNAV1
TF	CC512							RNAV1
TF	CC411							RNAV1
TF	CC513				1500	MAX 210		RNAV1
RWY06 STAR BUTET-71A								
IF	BUTET							RNAV1
TF	CC451							RNAV1
TF	CC416							RNAV1
TF	AVMUT							RNAV1
TF	CC415							RNAV1
TF	CC504							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1
TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 STAR BUTET-72A								
IF	BUTET							RNAV1
TF	CC451							RNAV1
TF	CC416							RNAV1
TF	AVMUT							RNAV1
TF	CC415							RNAV1
TF	CC504							RNAV1
TF	CC515				↓3000			RNAV1

TF	CC517							RNAV1
TF	CC510				↓2700			RNAV1
TF	CC509							RNAV1
TF	CC508							RNAV1
TF	CC507							RNAV1
TF	CC505							RNAV1
TF	CC412				↑2100 or by ATC			RNAV1
TF	CC413				↑1800 or by ATC	MAX 190		RNAV1
RWY06 HOLDING (outbound time: 1 min)								
HM	CC457	Y	037	L	by ATC			RNAV1
HM	CC508	Y	238	L	2100	MAX 210		RNAV1
HM	CC517	Y	058	R	2400	MAX 230		RNAV1
HM	AVMUT	Y	096	L	by ATC			RNAV1
RWY06 HOLDING (outbound time: 1 min) (by ATC)								
HM	CC513	Y	238	R	1500	MAX 210		RNAV1
RWY24 STAR IDVOT-91A								
IF	IDVOT							RNAV1
TF	CC459							RNAV1
TF	APESI							RNAV1
TF	CC618				↑2100			RNAV1
TF	CC608				↑1500	MAX 210		RNAV1
RWY24 STAR LEMOT-91A								

IF	LEMOT							RNAV1
TF	CC455							RNAV1
TF	CC457							RNAV1
TF	CC612							RNAV1
TF	APESI							RNAV1
TF	CC618				↑2100			RNAV1
TF	CC608				↑1500	MAX 210		RNAV1
RWY24 STAR DUKIR-91A								
IF	DUKIR							RNAV1
TF	CC405							RNAV1
TF	CC613							RNAV1
TF	CC605							RNAV1
TF	CC604				↑1200	MAX 210		RNAV1
RWY24 STAR BUTET-91A								
IF	BUTET							RNAV1
TF	CC451							RNAV1
TF	CC416							RNAV1
TF	AVMUT							RNAV1
TF	CC415							RNAV1
TF	CC518							RNAV1
TF	CC619							RNAV1
TF	CC508				↑2100			RNAV1
TF	CC609							RNAV1
TF	CC608				↑1500	MAX 210		RNAV1
RWY24 STAR BUTET-92A								

IF	BUTET							RNAV1
TF	CC451							RNAV1
TF	CC416							RNAV1
TF	AVMUT							RNAV1
TF	CC452							RNAV1
TF	CC411				↑4500 or by ATC			RNAV1
TF	CC410				↑3600 or by ATC	MAX 210		RNAV1
TF	CC613							RNAV1
TF	CC605							RNAV1
TF	CC604				↑1200	MAX 210		RNAV1
RWY24 STAR BUTET-9YA								
IF	BUTET							RNAV1
TF	CC451							RNAV1
TF	CC416							RNAV1
TF	AVMUT							RNAV1
TF	CC415							RNAV1
TF	CC518							RNAV1
TF	CC619				↑4200 or by ATC			RNAV1
TF	CC508				↑2100			RNAV1
TF	CC609							RNAV1
TF	CC608				↑1500	MAX 210		RNAV1
RWY24 HOLDING (outbound time: 1 min)								
HM	CC457	Y	037	L	by ATC			RNAV1

HM	CC613	Y	148	L	2700	MAX 210		RNAV1
HM	AVMUT	Y	096	L	by ATC			RNAV1
RWY24 HOLDING (outbound time: 1 min) (by ATC)								
HM	CC410	Y	058	L	3600			RNAV1
RWY06 IAP APPROACH TRANSITION(CC413)								
IF	CC413				↑1800 or by ATC	MAX 190		RNAV1
TF	CC503				1200			RNAV1
RWY06 IAP APPROACH TRANSITION(CC513)								
IF	CC513				1500	MAX 210		RNAV1
TF	CC503				1200			RNAV1
RWY06 MISSED APPROACH								
CF	CC602	Y	058			MAX 210		RNAV1
DF	CC509			R				RNAV1
TF	CC508				2100			RNAV1
RWY24 IAP APPROACH TRANSITION(CC604)								
IF	CC604				↑1200	MAX 210		RNAV1
TF	CC603				1000			RNAV1
RWY24 IAP APPROACH TRANSITION(CC608)								
IF	CC608				↑1500	MAX 210		RNAV1
TF	CC607							RNAV1
TF	CC606							RNAV1
TF	CC605							RNAV1

TF	CC604				↑1200			RNAV1
TF	CC603				1000			RNAV1
RWY24 MISSED APPROACH								
CA			238		450	MAX 210		RNAV1
DF	CC609			L				RNAV1
TF	CC654				900			RNAV1
RWY24 MISSED APPROACH HOLDING (outbound time: 1 min)								
HM	CC654	Y	058	R	900	MAX 210		RNAV1

ZYCC AD 2.23 其它资料

机场全年有鸟类活动，鸟群种类较多，机场当局配备了驱鸟设备，采取了驱赶措施，以减少鸟群活动。

ZYCC AD 2.23 Other information

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