

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

ZYCC/CGQ-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<br>ARP coordinates and site at AD   | N43°59.9' E125°41.3'<br>On RCL, 1400m from THR of RWY24   |
| 2 | 机场基准点与城市的位置关系<br>Direction and distance from city   | 067 °GEO, 32km from Renmin Square   |
| 3 | 机场标高、基准温度、低温均值<br>ELEV/Reference temperature/Mean low temperature                                 | 215.3 m/28.6°C(JUL)/-21.3°C(JAN)  |
| 4 | 机场标高位置的大地水准面波幅<br>Geoid undulation at AD ELEV PSN   |   |
| 5 | 磁差（测量年份）及年变率<br>VAR(Year)/Annual change   | 10°40'W(2024)/-5'12"  |
| 6 | 机场管理部门、地址、电话、传真、AFS 地址、电子邮箱、网址<br>AD administration/Address/Telephone/Telefax/AFS/ E-mail/Website | Jilin Province Civil Aviation Airport Group Co.<br>Nr. 3500 airport road, Changchun, Jilin province 130039, China Post code:130039<br>TEL:86-431-77785026<br>FAX:86-431-77785025<br>AFS:ZYCCYDYX<br>E-mail:jldaws@cahs.com.cn |
| 7 | 允许飞行种类<br>Types of traffic permitted(IFR/VFR)   | IFR-VFR   |
| 8 | 机场性质/飞行区指标<br>Military or civil airport/Reference code  | CIVIL/4E  |
| 9 | 备注<br>Remarks   | Nil   |

**ZYCC AD 2.3 工作时间 Operational hours**

|   |                                   |           |
|---|-----------------------------------|-----------|
| 1 | 机场开放时间<br>AD Operational hours    | HS or O/R |
| 2 | 海关和移民<br>Customs and immigration  | HS or O/R |
| 3 | 卫生健康部门<br>Health and sanitation   | HS or O/R |
| 4 | 航空情报服务讲解室<br>AIS Briefing Office  | HS or O/R |
| 5 | 空中交通服务报告室<br>ATS Reporting Office | HS or O/R |

|    |                                |           |
|----|--------------------------------|-----------|
| 6  | 气象服务讲解室<br>MET Briefing Office | HS or O/R |
| 7  | 空中交通服务<br>Air Traffic Service  | HS or O/R |
| 8  | 加油服务<br>Fuelling               | HS or O/R |
| 9  | 地勤服务<br>Handling               | HS or O/R |
| 10 | 安保服务<br>Security               | HS or O/R |
| 11 | 除冰服务<br>De-icing               | HS or O/R |
| 12 | 备注<br>Remarks                  | Nil       |

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

|   |   |   |
|---|---|---|
| 1 | 货物装卸设施<br>Cargo-handling facilities                   | Platform lift, baggage transporter, trailer, cargo bucket, fork lift, container tractor, electric cargo tractor |
| 2 | 燃油牌号<br>Fuel types                                    | Jet Fuel No.3   |
| 3 | 滑油牌号<br>Oil types                                     | Nil   |
| 4 | 加油设施/能力<br>Fuelling facilities & Capacity             | hydrant dispensers: 27 litres/sec<br>tank refuelers: 20 litres/sec  |
| 5 | 除冰设施<br>De-icing facilities                           | 14 de-icers   |
| 6 | 过站航空器机库<br>Hangar space for visiting aircraft         | Nil   |
| 7 | 过站航空器的维修设施<br>Repair facilities for visiting aircraft | Nil   |
| 8 | 备注<br>Remarks   | Ground power unit, ground air supply unit   |

### ZYCC AD 2.5 旅客设施 Passenger facilities

|   |                        |                                    |
|---|------------------------|------------------------------------|
| 1 | 宾馆<br>Hotels           | Near AD                            |
| 2 | 餐饮<br>Restaurants      | At AD                              |
| 3 | 交通工具<br>Transportation | Passenger's coaches, taxis, trains |

|   |                               |  |
|---|-------------------------------|--|
| 4 | 医疗设施<br>Medical facilities    | First aid at AD, 3 ambulances, hospitals in the city |
| 5 | 银行和邮局<br>Bank and Post Office | At AD  |
| 6 | 旅行社<br>Tourist Office         | Nil  |
| 7 | 备注<br>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<br>AD category for fire fighting                   | CAT 8  |
| 2 | 援救设备<br>Rescue equipment                                  | Fire fighting facilities: rapid intervention vehicle, primary foam tender, heavy-duty water tank truck, heavy-duty foam tender, aerial ladder truck, demolition rescue truck, illumination truck, rescue command car |
| 3 | 搬移受损航空器的能力<br>Capability for removal of disabled aircraft | MTOW up to B747-400;<br>Rescue equipment: uplift air cushion, mobile surface operation devices, crane, rubber pad, towing hanger, towing tractor.  |
| 4 | 备注<br>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<br>Seasonal availability/Types of clearing equipment | All seasons<br>Snow blower, snow plough, snow slinger, ice spreading car |
| 2 | 扫雪顺序<br>Clearance priorities                                     | RWY, TWY, apron  |
| 3 | 备注<br>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<br>Apron surface and strength | 道面<br>Surface  | CONC   |
|   |  | 强度<br>Strength | PCR 1220/R/A/W/T : Stands Nr.A19<br>PCR 1210/R/A/W/T : Stands Nr.A15-A16<br>PCR 1120/R/A/W/T : Stands Nr.101-109, 210<br>PCR 1090/R/A/W/T : De-icing apron Nr.01, 02, 02L/R<br>PCR 1070/R/A/W/T : Stands Nr.A08-A14<br>PCR 1000/R/A/W/T : Stands Nr.211-221<br>PCR 950/R/A/W/T : Stands Nr.A17-A18<br>PCR 760/R/A/W/T : Stands Nr.B01-B05<br>PCR 670/R/A/W/T : Stands Nr.222-232 |

|   |   |                |   |
|---|---|----------------|---|
|   |   |                | PCR 660/R/A/W/T : Stands Nr.A20-A28   |
| 2 | 滑行道宽度、道面和强度<br>Taxiway width, surface<br>and strength | 宽度<br>Width    | 38m : B<br>34m : G<br>28.5m : A(BTN RWY & Main A), A1, C, F<br>23m : H, H1-H4, L1-L4, Main A<br>18m : D, E  |
|   |   | 道面<br>Surface  | ASPH : B, D, E<br>CONC : A(BTN RWY & Main A), A1, C, F, G, H, H1-H4, L1-L4, Main A  |
|   |   | 强度<br>Strength | PCR 1800/F/B/X/T : D<br>PCR 1780/F/B/X/T : E<br>PCR 1710/F/B/X/T : B<br>PCR 1370/R/A/W/T : L2<br>PCR 1290/R/A/W/T : A(BTN RWY & Main A)<br>PCR 1200/R/A/W/T : A1(BTN RWY24 & Main A)<br>PCR 1180/R/A/W/T : Main A<br>PCR 1090/R/A/W/T : H<br>PCR 1080/R/A/W/T : H1, H2<br>PCR 1070/R/A/W/T : A1(BTN Main A & H)<br>PCR 1060/R/A/W/T : H4<br>PCR 1030/R/A/W/T : G<br>PCR 1000/R/A/W/T : L1<br>PCR 980/R/A/W/T : L4<br>PCR 970/R/A/W/T : L3<br>PCR 880/R/A/W/T : H3<br>PCR 670/R/A/W/T : C<br>PCR 620/R/A/W/T : F |
| 3 | 高度表校正点的位置及其标高<br>ACL location and elevation           | Nil            |   |
| 4 | VOR 校正点<br>VOR checkpoints                            | Nil            |   |
| 5 | INS 校正点<br>INS checkpoints                            | Nil            |   |
| 6 | 备注<br>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<br>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.<br>Guide lines at all TWYs.<br>Guide lines at all aprons. |  |
| 2 | 跑道和滑行道标志及灯光<br>RWY and TWY marking and LGT  | 跑道标志<br>RWY markings  | THR, RWY designation, edge line, RWY center line, TDZ, aiming point  |
|   |   | 跑道灯光<br>RWY lights  | RTHL, REDL, RCLL, RENL   |
|   |   | 滑行道标志<br>TWY markings   | Edge line, center line, enhanced TWY center line, No-entry, intermediate holding position  |
|   |   | 滑行道灯光<br>TWY lights   | Edge line lights, center line lights, No-entry bar, RETILs, intermediate holding position lights, De-icing/anti-icing facility exit lights |
| 3 | 停止排灯和跑道警戒灯<br>Stop bars and runway guard lights   | Runway guard lights   |  |
| 4 | 其它跑道保护措施<br>Other runway protection measures  | Nil   |  |
| 5 | 备注<br>Remarks   | Taxiing guidance signs at all intersections of TWY and apron.   |  |

## ZYCC 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)<br>Obstacles within a circle with a radius of 15km (centered on the ARP) |                           |  |   |   |  |
|--|---------------------------|--|---|---|--|
| 障碍物名称<br>或编号<br>Obstacle ID/<br>Designation  | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志, 灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
| 1  | 2                         | 3  | 4   | 5   | 6  |
| Trees<br>001   | Trees                     | 050/1084   | 215.5                                       |   | RWY24 RNAV ILS/DME final approach ( missed approach 4%)                              |
| Trees<br>002   | Trees                     | 055/1629   | 206.1                                       |   | RWY06 departure  |
| Trees<br>003   | Trees                     | 056/1697   | 202.8                                       |   | RWY06 take-off path  |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志, 灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|---------------------------|--|---|---|--|
| Trees<br>004                                | Trees                     | 057/1769   | 205.4                                       |   | RWY06 take-off path  |
| Trees<br>005                                | Trees                     | 057/1771   | 205.8                                       |   | RWY06 take-off path  |
| Antenna<br>006                              | Antenna                   | 065/11281  | 231   |   | RWY24 RNAV ILS/DME GP<br>INOP, ILS/DME GP INOP final<br>approach                     |
| TRANSMISSION<br>_LINE<br>007                | TRANSMISSION_L<br>INE     | 074/11896  | 264.4                                       |   | RWY24 NDB/DME final approach   |
| Control TWR<br>008                          | Control<br>TWR            | 100/849  | 254.4                                       |   |  |
| Trees<br>009                                | Trees                     | 121/6455   | 350   |   | RWY24 Holding(CC410)   |
| Trees<br>010                                | Trees                     | 173/8308   | 355   |   | Circling CAT C   |
| Control TWR<br>011                          | Control<br>TWR            | 182/664  | 264   |   | RWY24 RNAV ILS/DME final<br>approach (missed approach 2.5%)                          |
| Trees<br>012                                | Trees                     | 201/9589   | 382   |   | Circling CAT D   |
| Trees<br>013                                | Trees                     | 218/13861  | 390   |   | Minimum surveillance altitude<br>sector Nr. 6  |
| Antenna<br>014                              | Antenna                   | 224/6340   | 302   |   | Circling CAT B   |
| Antenna<br>015                              | Antenna                   | 226/5924   | 294.9                                       |   | RWY06 NDB/DME final approach   |
| Trees<br>016                                | Trees                     | 233/2615   | 241.4                                       |   | RWY24 departure  |
| Trees<br>017                                | Trees                     | 233/2619   | 241.9                                       |   | RWY24 departure  |
| Trees<br>018                                | Trees                     | 233/2623   | 241.5                                       |   | RWY24 departure  |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志, 灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|---------------------------|--|---|---|--|
| Trees<br>019                                | Trees                     | 234/2590   | 239.6                                       |   | RWY24 PBN departure(DUKAG)   |
| Trees<br>020                                | Trees                     | 235/2564   | 239.7                                       |   | RWY24 departure  |
| Trees<br>021                                | Trees                     | 235/2567   | 239.6                                       |   | RWY24 departure  |
| Trees<br>022                                | Trees                     | 236/2531   | 234.7                                       |   | RWY24 take-off path  |
| Trees<br>023                                | Trees                     | 236/2541   | 236.9                                       |   | RWY24 take-off path  |
| Trees<br>024                                | Trees                     | 238/2718   | 240.1                                       |   | RWY24 take-off path  |
| Trees<br>025                                | Trees                     | 238/2719   | 241   |   | RWY24 take-off path  |
| TRANSMISSION<br>_LINE<br>026                | TRANSMISSION<br>_LINE     | 239/6850   | 279   |   | RWY06 RNAV ILS/DME GP<br>INOP、ILS/DME GP INOP final<br>approach                      |
| Trees<br>027                                | Trees                     | 241/2893   | 243.5                                       |   | RWY24 take-off path  |
| Trees<br>028                                | Trees                     | 241/2893   | 244   |   | RWY24 take-off path  |
| Trees<br>029                                | Trees                     | 241/2894   | 244.1                                       |   | RWY06 RNAV ILS/DME final<br>approach,<br>RWY24 take-off path                         |
| Pole<br>030                                 | Pole                      | 242/2043   | 219.5                                       |   | RWY24 take-off path  |
| Trees<br>031                                | Trees                     | 242/11079  | 342   |   | RWY24 departure, RWY06<br>NDB/DME final approach                                     |
| Trees<br>032                                | Trees                     | 242/11298  | 343   |   | RWY06 RNAV ILS/DME GP<br>INOP、ILS/DME GP INOP final<br>approach                      |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志, 灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|---------------------------|--|---|---|--|
| Trees<br>033                                | Trees                     | 243/2094   | 221.5                                       |   | RWY24 take-off path  |
| Trees<br>034                                | Trees                     | 243/2124   | 225.9                                       |   | RWY24 take-off path  |
| Trees<br>035                                | Trees                     | 243/2194   | 227   |   | RWY24 take-off path  |
| Trees<br>036                                | Trees                     | 243/2289   | 229.7                                       |   | RWY24 take-off path  |
| Trees<br>037                                | Trees                     | 243/4027   | 259.9                                       |   | RWY24 take-off path  |
| Trees<br>038                                | Trees                     | 244/2062   | 232.1                                       |   | RWY24 departure  |
| Trees<br>039                                | Trees                     | 244/2082   | 229   |   | RWY24 departure  |
| Trees<br>040                                | Trees                     | 244/2209   | 231.1                                       |   | RWY24 departure  |
| Trees<br>041                                | Trees                     | 244/2393   | 235.4                                       |   | RWY24 departure  |
| Trees<br>042                                | Trees                     | 244/3670   | 253.6                                       |   | RWY24 take-off path  |
| Trees<br>043                                | Trees                     | 244/3674   | 254   |   | RWY24 take-off path  |
| Trees<br>044                                | Trees                     | 245/2081   | 235   |   | RWY24 departure  |
| Trees<br>045                                | Trees                     | 245/2115   | 228.9                                       |   | RWY24 departure  |
| Trees<br>046                                | Trees                     | 245/2125   | 234.1                                       |   | RWY24 departure  |
| Trees<br>047                                | Trees                     | 245/2127   | 231.6                                       |   | RWY24 departure  |
| Trees<br>048                                | Trees                     | 245/2127   | 231.7                                       |   | RWY24 departure  |



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|---|---------------------------|--|---|---|--|
| Trees<br>049                                | Trees                     | 245/2189   | 230.1                                       |   | RWY24 departure  |
| Trees<br>050                                | Trees                     | 245/2405   | 236.4                                       |   | RWY24 departure  |
| Trees<br>051                                | Trees                     | 245/2416   | 235.8                                       |   | RWY24 departure  |
| Trees<br>052                                | Trees                     | 245/3681   | 255.2                                       |   | RWY24 PBN departure  |
| Trees<br>053                                | Trees                     | 245/3712   | 255.6                                       |   | RWY24 take-off path  |
| Trees<br>054                                | Trees                     | 247/2490   | 238.2                                       |   | RWY24 departure  |
| Trees<br>055                                | Trees                     | 247/2511   | 239.2                                       |   | RWY24 departure  |
| Trees<br>056                                | Trees                     | 247/2553   | 242.4                                       |   | RWY24 departure  |
| Trees<br>057                                | Trees                     | 247/2554   | 242.7                                       |   | RWY24 departure  |
| Trees<br>058                                | Trees                     | 247/2556   | 241.5                                       |   | RWY24 departure  |
| Pole<br>059                                 | Pole                      | 257/3369   | 275.2                                       |   | Circling CAT A   |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志、灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|---------------------------|--|---|--|--|
| MT<br>060                                   | MT                        | 045/58892  | 460   |  | RWY24 Holding (CC613)  |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志、灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|---------------------------|--|---|--|--|
| TOWER<br>061                                | TOWER                     | 068/22447  | 345   |  | RWY24 ILS/DME, NDB/DME<br>intermediate approach                                      |
| STACK<br>062                                | STACK                     | 068/22826  | 422   |  | RWY24 RNAV ILS/DME<br>intermediate approach,<br>RWY24 ILS/DME initial approach       |
| Trees<br>063                                | Trees                     | 072/43172  | 534   |  | Minimum surveillance altitude<br>sector Nr.1   |
| MT<br>064                                   | MT                        | 081/33755  | 555   |  | RWY06 PBN departure  |
| Trees<br>065                                | Trees                     | 081/36699  | 574   |  | Minimum surveillance altitude<br>sector Nr.2   |
| Trees<br>066                                | Trees                     | 084/105990   | 648   |  | Minimum surveillance altitude<br>sector Nr.3   |
| Trees<br>067                                | Trees                     | 092/17515  | 457   |  | RWY06 PBN departure, RWY24<br>RNAV ILS/DME missed approach                           |
| Trees<br>068                                | Trees                     | 095/119455   | 956   |  | Minimum surveillance altitude<br>sector Nr. 4  |
| Antenna<br>069                              | Antenna                   | 119/16759  | 509   |  | RWY06 Holding (CC508), RWY24<br>Holding (CC654)                                      |
| MT<br>070                                   | MT                        | 127/61100  | 799   |  | Sector (LJB)   |
| Trees<br>071                                | Trees                     | 140/101634   | 1425  |  | Minimum surveillance altitude<br>sector Nr.5   |
| MT<br>072                                   | MT                        | 164/54900  | 687   |  | Sector (ARP、D、P)   |
| STACK<br>073                                | STACK                     | 204/39621  | 432   |  | RWY06 Holding (CC517)  |
| Antenna<br>074                              | Antenna                   | 228/27189  | 445   |  | RWY24 Holding (CC611)<br>Minimum surveillance altitude<br>sector Nr.7                |
| MT<br>075                                   | MT                        | 233/22298  | 379   |  | RWY06 RNAV ILS/DME,<br>ILS/DME intermediate approach                                 |

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<br>或编号<br>Obstacle ID/<br>Designation | 障碍物类<br>型<br>Obstacle<br>type | 障碍物位置<br>磁方位(°)/距离(m)<br>Obstacle position<br>MAG<br>BRG(degree)/DIST(m) | 标高或<br>(高)<br>Elevation<br>/(Height)<br>(m) | 障碍物标志、灯光<br>类型及颜色<br>Obstacle<br>marking<br>/Lighting Type<br>& Colour | 影响的飞行程序及<br>起飞航径区/备注<br>Flight procedure/take-off<br>path area affected<br>& Remarks |
|---|-------------------------------|--|---|--|--|
| BLDG<br>076                                 | BLDG                          | 250/18529  | 333   |  | RWY06 NDB/DME intermediate<br>approach   |
| Antenna<br>077                              | Antenna                       | 256/34308  | 449   |  | RWY06 Holding (CC513)  |
| Remarks:                                    |                               |  |   |  |  |

## ZYCC AD 2.11 提供的气象情报、气象观测和报告

## Meteorological information provided &amp; meteorological observations and reports

提供的气象情报

Meteorological information provided

|    |   |  |
|----|---|--|
| 1  | 相关气象台的名称<br>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<br>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<br>Office responsible for TAF preparation/Periods of<br>validity/Interval of issuance | Changchun Longjia Aerodrome MET Office;9h, 24h   |
| 4  | 趋势预报及发布间隔<br>Trend forecast/Interval of issuance  | trend 1h   |
| 5  | 所提供的讲解或咨询服务<br>Briefing/Consultation provided   | Briefing provided: P, T  |
| 6  | 飞行文件及其使用语言<br>Flight documentation/Language(s) used   | Chart, table or international MET codes, abbreviated plain language<br>text;Ch,En  |
| 7  | 讲解或咨询服务时可利用的图表和其它信息<br>Charts and other information available for<br>briefing or consultation                 | Briefing provided: Synoptic charts, significant weather charts, upper W/T<br>charts, satellite and radar material, AWOS real-time data |
| 8  | 提供气象情报的辅助设备<br>Supplementary equipment available for providing<br>information                                 | FAX  |
| 9  | 提供气象情报的空中交通服务单位<br>ATS units provided with information  | TWR, Changchun APP   |
| 10 | 其他信息  | Nil  |

|  |   |  |
|--|---|--|
|  | Additional information  |  |
| 气象观测和报告<br>Meteorological observations and reports |   |  |
| 1  | 机场观测类型与频率、自动观测设备<br>Type & frequency of observation<br>/Automatic observation equipment | Hourly plus special observation/Yes  |
| 2  | 气象报告类型及所包含的补充资料<br>Type of MET Report/Supplementary information<br>included             | METAR, SPECI   |
| 3  | 观测系统及安装位置<br>Observation system/Site(s)   | RVR EQPT<br>A: 110m NW of RCL, 355m inward THR06<br>B: 110m NW OF RCL, 1590m inward THR24<br>C: 115m NW of RCL, 334m inward THR24<br>SFC wind sensors<br>24: 350m inward THR, 115m NW of RCL<br>MID: 1610m inward THR, 110m NW of RCL<br>06: 350m inward THR, 115m NW of RCL<br>Ceilometer<br>06/24: 30m NW of RCL, 1050m outward THR24; 990m outward THR06. |
| 4  | 观测系统的工作时间<br>Hours of operation for meteorological observation<br>system                | H24  |
| 5  | 气候资料<br>Climatological information  | Climatological tables AVBL   |
| 6  | 其他信息<br>Additional information  | Nil  |

## ZYCC AD 2.12 跑道物理特征 Runway physical characteristics

| 跑道号码<br>RWY<br>Designator | 真方位和<br>磁方位<br>TRUE &<br>MAG BRG | 跑道长宽<br>Dimensions<br>of RWY(m) | 跑道强度、跑道和停<br>止道道面<br>RWY strength/<br>Surface of<br>RWY /SWY | 跑道入口坐标、<br>跑道末端坐标、<br>跑道入口大地水<br>准面波幅<br>THR coordinates<br>& RWY end<br>coordinates &<br>THR geoid<br>undulation | 跑道入口标高和<br>精密进近跑道接<br>地带最高标高<br>THR elevation &<br>highest elevation<br>of TDZ of<br>precision APP<br>RWY | 跑道和停止道坡<br>度<br>Slope of<br>RWY/SWY           |
|---------------------------|----------------------------------|---------------------------------|--|---|---|---|
| 1                         | 2                                | 3                               | 4  | 5   | 6   | 7   |
| 06                        | 049 °GEO<br>060 °MAG             | 3200×45                         | PCR 1220/R/A/W/T<br>CONC/-                                   | Nil   | THR 215.3m<br>TDZ 214.6m  | -0.5%(1120m)/-0.<br>7%(1280m)/-0.5<br>%(800m) |

| 跑道号码<br>RWY<br>Designator | 真方位和<br>磁方位<br>TRUE &<br>MAG BRG  | 跑道长宽<br>Dimensions<br>of RWY(m)   | 跑道强度、跑道和停<br>止道道面<br>RWY strength/<br>Surface of<br>RWY /SWY | 跑道入口坐标、<br>跑道末端坐标、<br>跑道入口大地水<br>准面波幅<br>THR coordinates<br>& RWY end<br>coordinates &<br>THR geoid<br>undulation | 跑道入口标高和<br>精密进近跑道接<br>地带最高标高<br>THR elevation &<br>highest elevation<br>of TDZ of<br>precision APP<br>RWY | 跑道和停止道坡<br>度<br>Slope of<br>RWY/SWY        |
|---------------------------|-----------------------------------|-----------------------------------|--|---|---|--|
| 1                         | 2                                 | 3                                 | 4  | 5   | 6   | 7  |
| 24                        | 229 °GEO<br>240 °MAG              | 3200×45                           | PCR 1220/R/A/W/T<br>CONC/-                                   | Nil   | THR 196.8m<br>TDZ 197.5m  | 0.5%(800m)/0.7<br>%(1280m)/0.5%(<br>1120m) |
| 跑道号码<br>RWY<br>Designator | 停止道长宽<br>SWY<br>dimensions<br>(m) | 净空道长宽<br>CWY<br>dimensions<br>(m) | 升降带长宽<br>Strip dimensions<br>(m)                             | 跑道端安全区<br>长宽<br>RESA<br>dimensions<br>(m)   | 拦阻系统的<br>位置及描述<br>Location&<br>Description of<br>arresting system   | 无障碍物区<br>OFZ                               |
| 1                         | 8                                 | 9                                 | 10   | 11  | 12  | 13   |
| 06                        | Nil                               | Nil                               | 3320×300   | 188×110   | Nil   | Nil  |
| 24                        | Nil                               | Nil                               | 3320×300   | 188×110   | Nil   | Nil  |
| Remarks:                  |                                   |                                   |  |   |   |  |

ZYCC AD 2.13 公布距离 Declared distances

| 跑道号码<br>RWY Designator | 可用起飞滑跑距离<br>TORA(m) | 可用起飞距离<br>TODA(m) | 可用加速停止距离<br>ASDA(m) | 可用着陆距离<br>LDA(m) | 备注<br>Remarks |
|------------------------|---------------------|-------------------|---------------------|------------------|---------------|
| 1                      | 2                   | 3                 | 4                   | 5                | 6             |
| 06                     | 3200                | 3200              | 3200                | 3200             | Nil           |
| 24                     | 3200                | 3200              | 3200                | 3200             | Nil           |

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

| 跑道<br>号码<br>RWY<br>Designator | 进近灯<br>类型、长<br>度、强度<br>APCH<br>LGT<br>type/<br>LEN/<br>/INTST | 入口灯<br>颜色、翼<br>排灯<br>THR<br>LGT<br>colour/<br>WBAR | 目视进近坡度<br>指示系统类<br>型、位置、仰<br>角、跑道入口<br>最低眼高<br>Type of<br>VASIS/Position<br>/Angle/MEHT | 接地<br>带<br>灯长<br>度<br>TDZ<br>LGT<br>LEN | 跑道中线灯长度、<br>间隔、颜色、强度<br>RWY center line<br>LGT LEN/Spacing<br>/Colour/INTST                       | 跑道边灯长度、间<br>隔、颜色、强度<br>RWY edge LGT<br>LEN/Spacing<br>/Colour/INTST         | 跑道末端灯<br>颜色<br>RWY end<br>LGT<br>colour | 停止道灯长<br>度、颜色<br>SWY<br>LGT<br>LEN<br>/Colour |
|-------------------------------|---|--|---|---|---|---|---|---|
| 1                             | 2   | 3  | 4   | 5                                       | 6   | 7   | 8                                       | 9   |
| 06                            | PALS<br>CAT I<br>SFL<br>900 m<br>VRB<br>LIH                   | GREEN<br>Nil                                       | PAPI<br>LEFT<br>472m inward<br>THR06<br>3°<br>20.4m                                     | Nil                                     | 3200 m<br>spacing 30m<br>0-2300m, WHITE<br>2300-2900m,<br>RED/WHITE<br>2900-3200m, RED<br>VRB LIH | 3200 m<br>spacing 60m<br>0-2600m, WHITE<br>2600-3200m,<br>YELLOW<br>VRB LIH | RED                                     | Nil   |
| 24                            | PALS<br>CAT I<br>SFL<br>900 m<br>VRB<br>LIH                   | GREEN<br>Nil                                       | PAPI<br>RIGHT<br>400m inward<br>THR24<br>3°<br>21.2m                                    | Nil                                     | 3200 m<br>spacing 30m<br>0-2300m, WHITE<br>2300-2900m,<br>RED/WHITE<br>2900-3200m, RED<br>VRB LIH | 3200 m<br>spacing 60m<br>0-2600m, WHITE<br>2600-3200m,<br>YELLOW<br>VRB LIH | RED                                     | Nil   |
| Remarks:                      |   |  |   |   |   |   |   |   |

**ZYCC 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<br>ABN/IBN location, characteristics and hours<br>of operation | Nil  |
| 2 | 着陆方向标和风向标位置和灯光<br>LDI/ WDI location and LGT  | WDI:<br>06:115m S of RCL, 313m inward THR06, with light<br>24:110m S of RCL, 310m inward THR24, with light |
| 3 | 滑行道边灯和滑行道中线灯<br>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<br>Secondary power supply/Switch-over time                               | Secondary power supply available/ 15 sec   |
| 5 | 备注<br>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<br>Coordinates TLOF or THR of FATO, Geoid undulation       | Nil |
| 2 | TLOF 和 (或) FATO 标高<br>TLOF and/or FATO elevation                                      | Nil |
| 3 | TLOF 和 FATO 区域范围、道面、强度和标志<br>TLOF and FATO area dimensions,surface, strength, marking | Nil |
| 4 | FATO 的真方位和磁方位<br>True and MAG BRG of FATO   | Nil |
| 5 | 公布距离<br>Declared distance available   | Nil |
| 6 | 进近灯光和 FATO 灯光<br>APP and FATO lighting  | Nil |
| 7 | 备注<br>Remarks   | Nil |

**ZYCC AD 2.17 空中交通服务空域 ATS airspace**

| 空域名称和水平范围<br>Designation and lateral limits |  | 垂直范围<br>Vertical limits   | 空域分类<br>Airspace class | 空中交通服务单位呼号和使用语言<br>ATS unit callsign Language | 工作时间<br>Hours of applicability | 备注<br>Remarks |
|---|--|---|------------------------|---|--------------------------------|---------------|
| 1   | 2  | 3   | 4                      | 5   | 6                              | 7             |
| Longjia tower control area                  | A circuit: 2 arcs with radius 13km centered at centers of both RWY THR and 2 parallel lines of 13km from RCL | GND-600m  |                        |   |                                | Nil           |
| 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          | Same as Changchun Approach Control Area  | TL 3600m<br>TA 3000m<br>3300m(QNH≥1031hPa)<br>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<br>Service designation | 呼号<br>Callsign     | 频率<br>Frequency (MHz)   | 卫星话音通信<br>号码<br>SATVOICE number | 登录地址<br>Logon address | 工作时间<br>Hours of operation | 备注<br>Remarks   |
|-----------------------------|--------------------|-------------------------|---------------------------------|-----------------------|----------------------------|---|
| 1                           | 2                  | 3                       | 4                               | 5                     | 6                          | 7   |
| ATIS                        |                    | 126.25                  |                                 |                       | HO                         | D-ATIS available  |
| APP                         | Changchun Approach | APP01:119.45<br>(127.9) |                                 |                       | H24                        |   |
|                             |                    | APP02:125.25<br>(127.9) |                                 |                       | by ATC                     | Contact APP01 when APP02 U/S.                               |
|                             |                    | APP03:120.2<br>(127.9)  |                                 |                       | by ATC                     | Contact APP01 when APP03 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           |
| Delivery                    | Longjia Delivery   | 121.75                  |                                 |                       | HO                         | DCL available, contact GND or TWR when DELIVERY service U/S |
| RAMP                        | Changchun Ramp     | RAMP01:121.6            |                                 |                       | HO                         | for east apron  |
|                             |                    | 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**

| 设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角<br>Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS | 识别<br>ID | 频率、波道<br>Frequency/<br>Channel number | 工作时间<br>Hours of operation | 发射天线坐标及相对位置<br>Coordinates of transmitting antenna/<br>Position | DME 发射天线标高<br>Elevation of DME transmitting antenna | 备注<br>Remarks |
|---|----------|---------------------------------------|----------------------------|---|---|---------------|
| 1   | 2        | 3                                     | 4                          | 5   | 6   | 7             |
| Wanchang VOR/DME  | LJB      | 115.9 MHz<br>CH 106X                  | H24                        | N43°46.4'<br>E125°51.1'<br>163 MAG/28231m FM the Center of RWY  | 199 m   |               |



| 设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角<br>Name and type of aid, VAR, Type of supported OPS, Declination of VOR/ILS | 识别<br>ID | 频率、波道<br>Frequency/<br>Channel<br>number | 工作<br>时间<br>Hours of<br>operation | 发射天线坐标<br>及相对位置<br>Coordinates of<br>transmitting antenna/<br>Position | DME 发射<br>天线标高<br>Elevation of<br>DME<br>transmitting<br>antenna | 备注<br>Remarks         |
|---|----------|--|-----------------------------------|--|--|-----------------------|
| LMM 06  | D        | 216 kHz                                  | H24                               | N43°58.8'<br>E125°39.7'<br>240 °MAG/2580m FM the<br>Center of RWY      |  |                       |
| LOC 06<br>ILS CAT I   | IDD      | 109.3 MHz                                |                                   | 060 °MAG/250m FM<br>RWY06 end  |  |                       |
| GP 06   |          | 332.0 MHz                                |                                   | 120m N of RCL, 340m<br>inside THR06                                    |  | Angle 3 °, RDH15m     |
| DME 06  | IDD      | CH 30X<br>(109.3 MHz)                    |                                   | 245 °MAG/1257m FM the<br>Center of RWY                                 | 220m   | Co-located with GP 06 |
| LMM 24  | P        | 198 kHz                                  | H24                               | N44°00.8'<br>E125°42.7'<br>060 °MAG/2640m FM the<br>Center of RWY      |  |                       |
| LOC 24<br>ILS CAT I   | IPP      | 110.1 MHz                                |                                   | 240 °MAG/250m FM<br>RWY24 end  |  |                       |
| GP 24   |          | 334.4 MHz                                |                                   | 120m N of RCL, 284m<br>inside THR24                                    |  | Angle 3 °, RDH 16.6m  |
| DME 24  | IPP      | CH 38X<br>(110.1 MHz)                    |                                   | 055 °MAG/1313m FM the<br>Center of RWY                                 | 205m   | Co-located with GP 24 |

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

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；

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

2.2 滑行道滑行限制

2.2 Taxiing limits

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

2.1 可以通过塔台申请拖车服务;

2.1 Towing service is available via Tower Control;

2.3 跑道运行规则

2.3 General rules for using RWYs

2.3.1 为规范航空器接收起飞指令后开始滑跑和落地后跑道占用时间, 提高跑道容量, 根据跑道及其快速脱离道布局, 做如下要求 (湿跑道或污染跑道除外):

2.3.1 Requirements as follows to reduce RWY occupancy time and increase RWY operation capacity (except for wet or contaminated RWY):

2.3.1.1 起飞航空器

2.3.1.1 Departure aircraft

- a. 起飞航空器从跑道外等待位置至对正跑道时间应不超过 60s;
- b. 如机组认为无法在上述要求的时间内完成, 须在到达跑道外等待点之前向塔台管制员说明。

- a. Departure aircraft shall finish RWY alignment within 60 seconds from RWY holding position;
- b. If flight crew considers that they can not fulfill the process within the required time, pilot shall inform TWR ATC before reaching RWY holding positon.

2.3.1.2 落地航空器

2.3.1.2 Landing aircraft

为减少起飞和着陆航空器占用跑道时间, 增加跑道使用效率, 机组在做进近简令时, 需提前计划落地后使用的快速脱离道口, 落地后尽快脱离跑道。

In order to reduce RWY occupancy time and increase RWY efficeincy, when flight crew carry out approach procedure, they shall plan the rapid exit TWY which to use in advance, and vacate RWY after landing as soon as possible.

落地后如果明显要错过预计使用的快速脱离道口时, 在跑道上需加速滑行脱离。

If aircraft will miss the expected rapid exit TWY obviously, speed up to vacate RWY.

a. 中型机(含)以下机型从飞越跑道入口至完全脱离跑道应不超过 50s;

b. 重型机(含)以上机型从飞越跑道入口至完全脱离跑道应不超过 120s;

c. 如机组认为无法在上述要求时间内完成,须在与塔台建立联系后,通知管制员。

a. Aircraft of medium type and below shall fully vacate RWY within 50 seconds after flying over RWY threshold;

b. Aircraft of heavy type and above shall fully vacate RWY within 120 seconds after flying over RWY threshold;

c. If flight crew can not fulfill the process within the required time, pilot shall inform ATC when establishing contact with TWR.

### 3. 机坪和机位的使用

3.1 未经塔台同意,严禁航空器利用自身动力倒滑;

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;

3.3 机位使用限制

### 3. Use of aprons and parking stands

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

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 Limits for aircraft parking on the following stands

| 停机位/Stands            | 航空器翼展限制/<br>Wing span limits for<br>aircraft | 机身长度限制/<br>Fuselage limits | 滑入、滑出方式/<br>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, | <52m   | <50m                       | Taxi in/ Push-back        |

|  |      |      |                    |
|--|------|------|--------------------|
| 210, 213, 215  |      |      |                    |
| Nr.A08-A14, A16,<br>A20-A27, 106-109, 211,<br>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 |

3.4 机务慢车除冰指挥频率为 121.825MHz，工作时  
间 HO，英文呼号：Deicing Commander。

4. 低能见度运行

无

5. 直升机飞行限制，直升机停靠区

无

6. 警告

无

ZYCC AD 2.21 减噪程序

无

ZYCC AD 2.22 飞程序

1. 总则

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。

2. 起落航线

3.4 Deicing guide frequency: 121.825MHz, hours of  
operation: HO, call sign: Deicing Commander.

4. Low visibility operation

Nil

5. Helicopter operation restrictions and helicopter  
parking/docking area

Nil

6. Warning

Nil

ZYCC AD 2.21 Noise abatement procedures

Nil

ZYCC AD 2.22 Flight procedures

1. General

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. 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。

### 3. 仪表飞行程序

严格按照航图中公布的进、离场程序飞行。如果需要，航空器可在空中交通管制部门指定的航路、导航台或定位点上空等待或做机动飞行。

### 4. 雷达程序和/或 ADS-B 程序

4.1 进近管制区域内实施雷达管制。

4.2 长春进近管制区全区域实施雷达和 ADS-B 融合运行。

4.2.1 主用监视手段：雷达

4.2.2 辅助监视手段：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。

4.2.4 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。

4.2.5 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。

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. IFR flight procedures

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

### 4. Radar procedures and/or ADS-B procedures

4.1 Radar control within Changchun APP has been implemented.

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

4.2.1 Primary surveillance: Radar.

4.2.2 Auxiliary surveillance: 1090ES ADS-B OUT.

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

## 4.3 雷达引导程序

## 4.3 Radar Vectoring Procedure

## 4.3.1 最低监视引导高度扇区

## 4.3.1 Surveillance Minimum Altitude Sectors

| Sector Nr.1  | ALT limit: 850m or above  |
|--|---------------------------|
| N433721E1253627-N435717E1251236-N442241E1255329-N441212E1260556-N440645E1255703-N435710E1260823-N433721E1253627, except for<br>N434447E1253526-N435557E1252205-N440959E1254437-N440434E1255104-N440148E1254636-N440027E1254812-N435810E1254431-N435346E1254950-N434447E1253526 |                           |
| Sector Nr.2  | ALT limit: 900m or above  |
| N440645E1255703-N435710E1260823-N440000E1261300-N440730E1260408-N441104E1260405-N440645E1255703  |                           |
| Sector Nr.3  | ALT limit: 1100m or above |
| N432748E1253200-N435757E1245548-N443216E1255052-N442422E1265829-N441730E1265250-N432748E1253200, except for<br>N433721E1253627-N435717E1251236-N442241E1255329-N441212E1260556-N441104E1260405-N440730E1260408-N440000E1261300-N433721E1253627                                 |                           |
| Sector Nr.4  | ALT limit: 1450m or above |
| N443216E1255052-N443246E1254623-N442715E1235454-N434054E1241748-N425424E1245754-N424432E1252405-N430237E1260136-N431751E1254345-N441029E1270938-N442320E1270701-N442422E1265829-N441730E1265250-N432748E1253159-N435757E1245548-N443216E1255052                                |                           |
| Sector Nr.5  | ALT limit: 1900m or above |
| N430237E1260136-N431751E1254345-N441029E1270938-N433724E1271700-N430237E1260136  |                           |
| Sector Nr.6  | ALT limit: 700m or above  |
| N435226E1253518-N435911E1252714-N440959E1254437-N440434E1255104-N440148E1254636-N440027E1254812-N435226E1253518  |                           |
| Sector Nr.7  | ALT limit: 750m or above  |
| N434447E1253526-N435557E1252205-N435911E1252714-N435226E1253518-N435810E1254431-N435346E1254812-N435226E1253518  |                           |

54950-N434447E1253526

**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。

**6. 目视飞程序**

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。

**7. 目视飞行航线**

无

**8. 其它规定**

无

**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. 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. VFR route**

Nil

**8. Other regulations**

Nil

**ZYCC AD 2.23 其它资料****鸟情资料**

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****Bird's information**

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