

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

ZBSJ- 石家庄/正定 SHIJIAZHUANG/Zhengding

**ZBSJ 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                                                          | N38° 16.9' E114° 41.9'<br>Center of RWY                                                                                                                                                                                                         |
| 2 | 方向、距离<br>Direction and distance from city                                                                  | 035° GEO, 31.9km from Shijiazhuang Old Railway Station                                                                                                                                                                                          |
| 3 | 标高 / 参考气温<br>Elevation/Reference temperature                                                               | 71m / 32.1° C(JUN)                                                                                                                                                                                                                              |
| 4 | 机场标高位置 / 高程异常<br>AD ELEV PSN/ geoid undulation                                                             | -                                                                                                                                                                                                                                               |
| 5 | 磁差 / 年变率<br>MAG VAR/Annual change                                                                          | 5° W(1994) /-0.3'                                                                                                                                                                                                                               |
| 6 | 机场管理部门、地址、电话、传真、<br>AFS、电子邮箱、网址<br>AD administration, address, telephone,<br>telefax, AFS, E-mail, website | Hebei Airport Administration Group CO.LTD<br>Shijiazhuang Zhengding Airport, Shijiazhuang 050802,<br>Hebei province, China<br>TEL: 86-311-88027131 FAX: 86-311-88027140<br>AFS: ZBSJZPX (ATS Reporting Office)<br>website: www.hebeiairport.com |
| 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                                                                                                                                                                                                                                             |

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

|    |                                                             |           |
|----|-------------------------------------------------------------|-----------|
| 1  | 机场当局 ( 机场开放时间 )<br>AD Administration (AD operational hours) | H24       |
| 2  | 海关和移民<br>Customs and immigration                            | HO        |
| 3  | 卫生健康部门<br>Health and sanitation                             | HO        |
| 4  | 航行情报服务讲解室<br>AIS Briefing Office                            | HS or O/R |
| 5  | 空中交通服务报告室<br>ATS Reporting Office (ARO)                     | HS or O/R |
| 6  | 气象讲解室<br>MET Briefing Office                                | HS or O/R |
| 7  | 空中交通服务<br>ATS                                               | HS or O/R |
| 8  | 加油<br>Fuelling                                              | HO        |
| 9  | 地勤服务<br>Handling                                            | HO        |
| 10 | 保安<br>Security                                              | H24       |
| 11 | 除冰<br>De-icing                                              | HO        |

|    |               |     |
|----|---------------|-----|
| 12 | 备注<br>Remarks | Nil |
|----|---------------|-----|

### ZBSJ 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                   | Fork, tow truck, conveyor belt truck, platform lift                                                                                                                                                                                                                       |
| 2 | 燃油 / 滑油牌号<br>Fuel/oil types                           | Nr.3 jet fuel                                                                                                                                                                                                                                                             |
| 3 | 加油设施 / 能力<br>Fuelling facilities/capacity             | Special underground pipeline, tank vehicle(20000 litres, 45000 litres), hydrant dispenser;<br>Oil depot: 17 litres/sec; Apron pipeline gas well                                                                                                                           |
| 4 | 除冰设施<br>De-icing facilities                           | De-icers, De-icing fluid                                                                                                                                                                                                                                                  |
| 5 | 过站航空器机库<br>Hangar space for visiting aircraft         | Nil                                                                                                                                                                                                                                                                       |
| 6 | 过站航空器的维修设施<br>Repair facilities for visiting aircraft | Line maintenance available for B737-300/400/500/700/800, B757-200, A319/320/321, CRJ-200, EMB145                                                                                                                                                                          |
| 7 | 备注<br>Remarks                                         | Ground power unit, ground air supply unit, ground air preconditioning unit, bridge power equipment, bridge air preconditioning equipment, medium-frequency power supply, water vehicle, sewage vehicle, passenger vehicle, broad vehicle, garbage vehicle, towing vehicle |

### ZBSJ AD 2.5 旅客设施 Passenger facilities

|   |                               |                                                                                                |
|---|-------------------------------|------------------------------------------------------------------------------------------------|
| 1 | 宾馆<br>Hotels                  | At AD                                                                                          |
| 2 | 餐馆<br>Restaurants             | At AD                                                                                          |
| 3 | 交通工具<br>Transportation        | Passenger's coaches, taxis                                                                     |
| 4 | 医疗设施<br>Medical facilities    | First-aid center at AD, first-aid station at TML<br>First-aid equipment and ambulance provided |
| 5 | 银行和邮局<br>Bank and Post Office | Bank at AD and Post Office near AD                                                             |
| 6 | 旅行社<br>Tourist Office         | At AD                                                                                          |
| 7 | 备注<br>Remarks                 | Nil                                                                                            |

### ZBSJ 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 foam tender, heavy-duty water tank truck, illumination truck, dry-chemical tender, demolition fire fighting facilities, command car, fire fighting vehicle;<br>Rescue equipments: life-saving air cushion, mobile surface operation devices, traction rack, hoisting equipment |

|   |                                                           |                                            |
|---|-----------------------------------------------------------|--------------------------------------------|
| 3 | 搬移受损航空器的能力<br>Capability for removal of disabled aircraft | Have limited capacity for towing aircraft. |
| 4 | 备注<br>Remarks                                             | Nil                                        |

## ZBSJ AD 2.7 可用季节 - 扫雪 Seasonal availability-clearing

|   |                                       |                                                        |
|---|---------------------------------------|--------------------------------------------------------|
| 1 | 扫雪设备类型<br>Types of clearing equipment | All seasons<br>snow blowers, snow pusher, snow sweeper |
| 2 | 扫雪顺序<br>Clearance priorities          | RWY, TWY, Apron                                        |
| 3 | 备注<br>Remarks                         | Nil                                                    |

## ZBSJ 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             | Surface:  | Cement concrete                                                                                                                                                         |
|   |                                                    | Strength: | PCN 63/R/B/W/T ( Stands Nr.101-116, 159-165 )<br>PCN 66/R/B/W/T ( Stands Nr.151-158 )<br>PCN 68/R/B/W/T ( Stands Nr.117-125, 201-227, 217L, 217R, 506L, 506R, 501-511 ) |
| 2 | 滑行道宽度、道面和强度<br>Taxiway width, surface and strength | Width:    | 85m: C, K.<br>54m: J, H.<br>47.5m: B5, K1, C1<br>23m: A, B, A1-A6, B1-B4, B6-B9, H1, J1, K2.                                                                            |
|   |                                                    | Surface:  | Cement concrete                                                                                                                                                         |
|   |                                                    | Strength: | PCN 63/R/B/W/T( A3, A4, B7, B8, C)<br>PCN 66/R/B/W/T(A,A1, A2, A5, A6, B9)<br>PCN 68/R/B/W/T(B, B1-B6, C1, H, H1, J, J1, K, K1, K2)                                     |
| 3 | 高度表校正点的位置及其标高<br>ACL location and elevation        | Nil       |                                                                                                                                                                         |
| 4 | VOR/INS 校正点<br>VOR/INS checkpoints                 | Nil       |                                                                                                                                                                         |
| 5 | 备注<br>Remarks                                      | Nil       |                                                                                                                                                                         |

## ZBSJ AD 2.9 地面活动引导和管制系统与标识

## Surface movement guidance and control system and markings

|   |                                                                                                                                                          |                                                                                                                                                           |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 航空器机位号码标记牌、滑行道引导线、航空器目视停靠 / 停放位置引导系统的使用<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 RWY and TWY and at all holding positions.<br>Guide lines at apron.<br>Nose-in guidance at aircraft stands. |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |                                            |                                                       |                                                                                               |
|---|--------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 2 | 跑道和滑行道标志及灯光<br>RWY and TWY marking and LGT | RWY markings                                          | THR, RWY designation, TDZ, centerline, edge line, center circle, aiming point                 |
|   |                                            | RWY lights                                            | Edge line, center line, THR, RWY end, wing bar                                                |
|   |                                            | TWY markings                                          | Center line, taxi holding positions, edge line                                                |
|   |                                            | TWY lights                                            | Edge line, passive retro-reflection TWY centerline markings, RWY guard lights(A1, A3, A4, A6) |
| 3 | 停止排灯<br>Stop bars                          | Nil                                                   |                                                                                               |
| 4 | 备注<br>Remarks                              | Blue apron edge line lights, passive reflection stick |                                                                                               |

## ZBSJ AD 2.10 机场障碍物 Aerodrome obstacles

| Obstacles within a circle with a radius of 15km centered on the RWY center |                                                   |                             |               |                      |                                                                         |
|----------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|---------------|----------------------|-------------------------------------------------------------------------|
| 序号<br>Serial Nr.                                                           | 障碍物类型 (*<br>代表有灯光)<br>Obstacle type<br>(*Lighted) | 磁方位<br>BRG<br>(MAG)(degree) | 距离<br>DIST(m) | 海拔高度<br>Elevation(m) | 影响的飞行程序及起飞航径区<br>Flight procedure/take-off flight<br>path area affected |
| 1                                                                          | Chimney                                           | 011                         | 7108          | 172                  |                                                                         |
| 2                                                                          | BLDG                                              | 014                         | 6279          | 158.8                |                                                                         |
| 3                                                                          | Chimney                                           | 038                         | 7835          | 157                  |                                                                         |
| 4                                                                          | TWR                                               | 039                         | 7324          | 155                  |                                                                         |
| 5                                                                          | Chimney                                           | 040                         | 7440          | 132                  |                                                                         |
| 6                                                                          | Chimney                                           | 098                         | 3350          | 107                  |                                                                         |
| 7                                                                          | *TWR                                              | 132                         | 2900          | 99                   |                                                                         |
| 8                                                                          | *TWR                                              | 145                         | 5450          | 100                  | RWY33/ Approach<br>RWY15/ Departure                                     |
| 9                                                                          | Pole                                              | 153                         | 3426          | 80.4                 |                                                                         |
| 10                                                                         | TWR                                               | 157                         | 3643          | 93.6                 |                                                                         |
| 11                                                                         | TWR                                               | 166                         | 3301          | 106.5                |                                                                         |
| 12                                                                         | *SSR                                              | 193                         | 1181          | 101                  |                                                                         |
| 13                                                                         | *Control TWR                                      | 209                         | 605           | 123                  |                                                                         |
| 14                                                                         | BLDG                                              | 320                         | 1865          | 98                   |                                                                         |
| 15                                                                         | TWR                                               | 323                         | 3542          | 109.6                |                                                                         |

| Obstacles within a circle with a radius of 15km centered on the RWY center |                                                   |                             |               |                      |                                                                         |
|----------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|---------------|----------------------|-------------------------------------------------------------------------|
| 序号<br>Serial Nr.                                                           | 障碍物类型 (*<br>代表有灯光)<br>Obstacle type<br>(*Lighted) | 磁方位<br>BRG<br>(MAG)(degree) | 距离<br>DIST(m) | 海拔高度<br>Elevation(m) | 影响的飞行程序及起飞航径区<br>Flight procedure/take-off flight<br>path area affected |
| 16                                                                         | BLDG                                              | 342                         | 6815          | 146.2                |                                                                         |
| 17                                                                         | *TWR                                              | 346                         | 6850          | 130                  |                                                                         |
| 18                                                                         | *TWR                                              | 347                         | 7850          | 151                  | Circling                                                                |
| 19                                                                         | *TWR                                              | 348                         | 6250          | 108                  |                                                                         |
| 20                                                                         | *TWR                                              | 350                         | 7200          | 138                  |                                                                         |
| 21                                                                         | *TWR                                              | 354                         | 7100          | 141                  |                                                                         |
| Remarks:                                                                   |                                                   |                             |               |                      |                                                                         |

| Obstacles between two circles with the radius of 15km and 50km centered on the RWY center |                                                   |                             |               |                      |                                                                         |
|-------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|---------------|----------------------|-------------------------------------------------------------------------|
| 序号<br>Serial Nr.                                                                          | 障碍物类型 (*<br>代表有灯光)<br>Obstacle type<br>(*Lighted) | 磁方位<br>BRG<br>(MAG)(degree) | 距离<br>DIST(m) | 海拔高度<br>Elevation(m) | 影响的飞行程序及起飞航径区<br>Flight procedure/take-off flight<br>path area affected |
| 1                                                                                         | Contour line                                      | 008                         | 76229         | 865                  | Minimum surveillance altitude<br>sector                                 |
| 2                                                                                         | Contour line                                      | 018                         | 64024         | 515                  | Minimum surveillance altitude<br>sector                                 |
| 3                                                                                         | *TWR                                              | 035                         | 15400         | 157                  |                                                                         |
| 4                                                                                         | *TWR                                              | 120                         | 25800         | 156                  |                                                                         |
| 5                                                                                         | BLDG                                              | 215                         | 29259         | 300                  | Minimum surveillance altitude<br>sector                                 |
| 6                                                                                         | MT                                                | 215                         | 94343         | 1325                 | Minimum surveillance altitude<br>sector                                 |
| 7                                                                                         | MT                                                | 227                         | 56049         | 841                  | Minimum surveillance altitude<br>sector                                 |
| 8                                                                                         | Contour line                                      | 308                         | 88563         | 1715                 | Minimum surveillance altitude<br>sector                                 |
| 9                                                                                         | MT                                                | 311                         | 93398         | 2294                 | Minimum surveillance altitude<br>sector                                 |
| 10                                                                                        | *TWR                                              | 332                         | 21700         | 216                  | RWY15/ Approach,<br>RWY33/ Departure                                    |
| 11                                                                                        | MT                                                | 342                         | 40300         | 364                  |                                                                         |
| Remark:<br>No significant obstacles in the take-off flight path area                      |                                                   |                             |               |                      |                                                                         |

## ZBSJ AD 2.11 提供的气象信息、机场观测与报告

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

|    |                                                                                                     |                                                                                                                                                                                                                                                                                                                   |
|----|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 相关气象室的名称<br>Associated MET Office                                                                   | Shijiazhuang MET station of ATMB                                                                                                                                                                                                                                                                                  |
| 2  | 气象服务时间、服务时间以外的责任<br>气象室<br>Hours of service, MET Office outside<br>hours                            | H24<br>--                                                                                                                                                                                                                                                                                                         |
| 3  | 负责编发 TAF 的办公室;有效期<br>Office responsible for TAF<br>preparation, Periods of validity                 | Shijiazhuang MET station of ATMB<br>9 HR, 24 HR                                                                                                                                                                                                                                                                   |
| 4  | 着陆预报类型、发布间隔<br>Type of landing forecast, Interval of<br>issuance                                    | Trend<br>1 HR                                                                                                                                                                                                                                                                                                     |
| 5  | 所提供的讲解 / 咨询服务<br>Briefing/consultation provided                                                     | P, T or video explain                                                                                                                                                                                                                                                                                             |
| 6  | 飞行文件及其使用语言<br>Flight documentation, Languages used                                                  | Chart, International MET Codes, Abbreviated Plain Language Text<br>Ch, En                                                                                                                                                                                                                                         |
| 7  | 讲解 / 咨询服务时可利用的图表和其<br>它信息<br>Charts and other information available<br>for briefing or consultation | SFC/upper live and data forecast product, satellite and radar image,<br>AWOS real-time data                                                                                                                                                                                                                       |
| 8  | 提供信息的辅助设备<br>Supplementary equipment available for<br>providing information                         | Database system, message terminal, TEL, FAX                                                                                                                                                                                                                                                                       |
| 9  | 接收气象信息的空中交通服务单位<br>ATS units provided with information                                              | APP, TWR, ATS Servicing Office                                                                                                                                                                                                                                                                                    |
| 10 | 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                                                                                                                                                                                                                                                                               |
| 11 | 气象报告类型及所包含的补充资料<br>Type of MET Report & supplementary<br>information included                       | METAR, SPECI, TREND                                                                                                                                                                                                                                                                                               |
| 12 | 观测系统及位置<br>Observation System & Site(s)                                                             | SFC wind sensors:<br>RWY15: 110m E of RCL, 350m inward THR15;<br>RWY33: 110m E of RCL, 340m inward THR33.<br>RVR EQPT:<br>A: 110m E of RCL, 340m inward THR15;<br>B: 110m E of RCL, 1805m inward THR33;<br>C: 110m E of RCL, 360m inward THR33.<br>Ceilometer:<br>RWY33: on RWY extended CL, 1073m outward THR33. |
| 13 | 气象观测系统的工作时间<br>Hours of operation for meteorological<br>observation system                          | H24                                                                                                                                                                                                                                                                                                               |
| 14 | 气候资料<br>Climatological information                                                                  | Climatological tables AVBL                                                                                                                                                                                                                                                                                        |
| 15 | 其他信息<br>Additional information                                                                      | Nil                                                                                                                                                                                                                                                                                                               |

**ZBSJ AD 2.12 跑道物理特征 Runway physical characteristics**

| 跑道号码<br>Designations<br>RWY NR                                                                                                                | 真方位和磁方位<br>TRUE &<br>MAG BRG      | 跑道长宽<br>Dimensions of<br>RWY (m) | 跑道强度 (PCN), 跑道<br>道面 / 停止道道面<br>RWY strength (PCN),<br>RWY surface/SWY<br>surface | 着陆入口坐标及<br>高程异常 THR<br>coordinates and<br>geoid undulation | 跑道着陆入口标高<br>, 精密进近跑道接<br>地地带最高标高<br>THR elevation and<br>highest elevation of<br>TDZ of precision<br>APP RWY |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                             | 2                                 | 3                                | 4                                                                                 | 5                                                          | 6                                                                                                            |
| 15                                                                                                                                            | 147° GEO<br>152° MAG              | 3400 × 45                        | 63/R/B/W/T<br>Concrete/                                                           | Nil                                                        | THR71m<br>--                                                                                                 |
| 33                                                                                                                                            | 327° GEO<br>332° MAG              | 3400 × 45                        | 63/R/B/W/T<br>Concrete/                                                           | Nil                                                        | THR67.3m<br>--                                                                                               |
| 跑道 - 停止<br>道坡度<br>Slope of<br>RWY-SWY                                                                                                         | 停止道长宽<br>SWY<br>dimensions<br>(m) | 净空道长宽 CWY<br>dimensions (m)      | 升降带长宽 Strip<br>dimensions (m)                                                     | 无障碍物地带<br>OFZ                                              | 跑道端安全区长宽<br>RWY end safety<br>area dimensions<br>(m)                                                         |
| 7                                                                                                                                             | 8                                 | 9                                | 10                                                                                | 11                                                         | 12                                                                                                           |
| RWY 15<br>-<br>0.2%(800m)<br>-<br>0.08%(2600<br>m)                                                                                            | Nil                               | 240 × 150                        | 3520 × 300                                                                        | Yes                                                        | 200 × 150                                                                                                    |
| RWY 33<br>+0.08%(260<br>0m)<br>+0.2%(800<br>m)                                                                                                | Nil                               | 240 × 150                        | 3520 × 300                                                                        | Yes                                                        | 200 × 150                                                                                                    |
| Remarks: Anti-blast pad 60 × 60m; Turning pad at RWY15 end: 70 × 67.5m,Turning pad at RWY33 end:60 × 70m,<br>RWY shoulder: 7.5m on each side. |                                   |                                  |                                                                                   |                                                            |                                                                                                              |

**ZBSJ AD 2.13 公布距离 Declared distances**

| 跑道代号<br>RWY<br>Designator | 可用起飞滑跑<br>距离 TORA<br>(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 Remarks |
|---------------------------|--------------------------|--------------------|----------------------|-------------------|------------|
| 15                        | 3400                     | 3640               | 3400                 | 3400              | Nil        |
| 33                        | 3400                     | 3640               | 3400                 | 3400              | Nil        |
| Remarks:                  |                          |                    |                      |                   |            |

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

| 跑道<br>代号<br>RWY<br>Designator                                                                                                                        | 进近灯<br>类型、<br>长度、<br>强度<br>APCH<br>LGT<br>type<br>LEN<br>INTST | 入口灯<br>颜色、<br>翼排灯<br>THR<br>LGT<br>colour<br>WBAR | 目视进近坡<br>度指示系统 (跑道入口最低眼高), 精密进近航道指示器<br>VASIS<br>(MEHT)<br>PAPI | 接地地带<br>灯长度<br>TDZ LGT<br>LEN | 跑道中心线灯<br>长度、间隔、<br>颜色、强度<br>RWY Center<br>line LGT LEN,<br>spacing,<br>colour, INTST | 跑道边灯长<br>度、间隔、颜<br>色、强度<br>RWY edge<br>LGT LEN,<br>spacing,<br>colour, INTST | 跑道末端<br>灯颜色<br>RWY end<br>LGT<br>colour | 停止道灯<br>长度、颜<br>色 SWY<br>LGT<br>LEN,<br>colour |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|
| 1                                                                                                                                                    | 2                                                              | 3                                                 | 4                                                               | 5                             | 6                                                                                     | 7                                                                            | 8                                       | 9                                              |
| 15                                                                                                                                                   | CAT I*<br>900m<br>LIH                                          | Green<br>Yes                                      | PAPI<br>Left/3°                                                 | Nil                           | 3400m **<br>spacing 30m                                                               | 3400m***<br>spacing 60m                                                      | Red                                     | Nil                                            |
| 33                                                                                                                                                   | CAT I*<br>900m<br>LIH                                          | Green<br>Yes                                      | PAPI<br>Left/3°                                                 | Nil                           | 3400m **<br>spacing 30m                                                               | 3400m***<br>spacing 60m                                                      | Red                                     | Nil                                            |
| Remarks: * SFL<br>** up to 2500m White LIH, 2500-3100m Red/White LIH, 3100-3400m Red LIH<br>*** up to 2800m White VRB LIH, 2800-3400m Yellow VRB LIH |                                                                |                                                   |                                                                 |                               |                                                                                       |                                                                              |                                         |                                                |

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

|   |                                                                                   |                                                                          |
|---|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 1 | 机场灯标 / 识别灯标位置、特性和工作时间<br>ABN/IBN location, characteristics and hours of operation | Nil                                                                      |
| 2 | 着陆方向指示器位置和灯光; 风速表位置和灯光<br>LDI location and LGT, Anemometer location and LGT       | WDI15: near by GP15 with lighting;<br>WDI33: near by GP33 with lighting. |
| 3 | 滑行道边灯和中心线灯光<br>TWY edge and center line lighting                                  | Edge line lights for all TWYs                                            |
| 4 | 备份电源 / 转换时间<br>Secondary power supply/switch-over time                            | Secondary power supply available, diesel generator/15s                   |
| 5 | 备注<br>Remarks                                                                     | Nil                                                                      |

**ZBSJ AD 2.16 直升机着陆区域 Helicopter landing area**

|   |                                                                                          |     |
|---|------------------------------------------------------------------------------------------|-----|
| 1 | TLOF 坐标或 FATO 入口坐标及高程异常<br>Coordinates TLOF or THR of FATO<br>Geoid undulation           | Nil |
| 2 | TLOF 和 / 或 FATO 标高 (m)<br>TLOF and/or FATO elevation (m)                                 | Nil |
| 3 | TLOF 和 FATO 区域范围、道面、强度和标志<br>TLOF and FATO area<br>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 |

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

| 名称 Designation                     | 横向界限 Lateral limits                                                                                                     | 垂直界限 Vertical limits                                                | 备注 Remarks                  |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------|
| Shijiazhuang tower control area    | A circuit, 2 arcs with radius 13km centered at centers of both RWY THR and 2 parallel lines of 13km from RWY centerline | SFC-600m (QNH)                                                      |                             |
| Fuel Dumping Area                  | N3746.2E11323.5-<br>N3804.0E11408.8-<br>N3757.8E11410.0-<br>N3733.2E11336.0-<br>N3746.2E11323.5                         | Above 4500m                                                         | See Fuel Dumping Area Chart |
| Altimeter setting region and TL/TA | A circle with a radius of 55km centered on Zhengding VOR/DME                                                            | TL 3600m<br>TA 3000m<br>2700m(QNH ≤ 979hPa)<br>3300m(QNH ≥ 1031hPa) |                             |

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

| 服务名称 Service Designation | 呼号 Call sign          | 频率 Frequency (MHz)    | 工作时间 Hours of operation | 备注 Remarks |
|--------------------------|-----------------------|-----------------------|-------------------------|------------|
| 1                        | 2                     | 3                     | 4                       | 5          |
| ATIS                     |                       | 127.85                | H24                     | Nil        |
| APP                      | Shijiazhuang Approach | 120.45 (124.75) AP01  | H24                     | Nil        |
| APP                      | Shijiazhuang Approach | 119.125 (124.75) AP02 | BY ATC                  | Nil        |
| TWR                      | Shijiazhuang Tower    | 118.35<br>(123.65)    | H24                     | Nil        |
| GND                      | Shijiazhuang Ground   | 121.6                 | HO                      | Nil        |

**ZBSJ 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<br>Name and type of aid | 识别 ID | 频率 Frequency         | 发射天线位置、<br>坐标 Antenna<br>site coordinates                        | DME 发射天线<br>标高 Elevation<br>of DME<br>transmitting<br>antenna | 备注 Remarks                          |
|---------------------------------|-------|----------------------|------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|
| 1                               | 2     | 3                    | 4                                                                | 5                                                             | 6                                   |
| Wuji NDB                        | FL    | 272kHz               | N38° 14.9'<br>E114° 53.3'                                        |                                                               | Coverage 150km                      |
| Xingtang NDB                    | OC    | 235kHz               | N38° 27.3'<br>E114° 33.3'                                        |                                                               | Coverage 150km                      |
| Zhengding VOR/DME               | SJW   | 117.7MHz<br>CH 124X  | N38° 16.8'<br>E114° 41.9'                                        | 68m                                                           | Coverage 200km                      |
| LMM 15                          | O     | 528kHz               | N38° 18.0'<br>E114° 40.9'<br>332° MAG/<br>1000m FM THR<br>RWY 15 |                                                               | Coverage 74km                       |
| LOC 15<br>ILS CAT I             | IOO   | 109.9MHz             | 152° MAG/<br>260m FM end of<br>RWY15                             |                                                               | Coverage 31km                       |
| GP 15                           |       | 333.8MHz             | 122m E of RCL<br>321m inward<br>THR 15                           |                                                               | Angle 3° RDH 16.8m<br>Coverage 19km |
| DME 15                          | IOO   | CH 36X<br>(109.9MHz) |                                                                  | 69m                                                           | Co-located with GP                  |

| 设施名称和类型<br>Name and type of aid | 识别 ID | 频率 Frequency         | 发射天线位置、<br>坐标 Antenna<br>site coordinates                        | DME 发射天线<br>标高 Elevation<br>of DME<br>transmitting<br>antenna | 备注 Remarks                          |
|---------------------------------|-------|----------------------|------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|
| LMM 33                          | F     | 377kHz               | N38° 15.5'<br>E114° 42.9'<br>152° MAG/<br>1050m FM THR<br>RWY 33 |                                                               | Coverage 74km                       |
| LOC 33<br>ILS CAT I             | IFF   | 110.3MHz             | 332° MAG/<br>260m FM end<br>RWY 33                               |                                                               |                                     |
| GP 33                           |       | 335MHz               | 122m E of RCL<br>308m inward<br>THR 33                           |                                                               | Angle 3° RDH 17.3m<br>Coverage 19km |
| DME 33                          | IFF   | CH 40X<br>(110.3MHz) |                                                                  | 66m                                                           | Co-located with GP                  |
| Remarks:                        |       |                      |                                                                  |                                                               |                                     |

**ZBSJ AD 2.20 本场飞行规定****ZBSJ AD 2.20 Local traffic regulations****1. 机场使用规定**

所有技术试飞需事先申请，并在得到空中交通管制部门批准后方可进行。

**1. Airport operations regulations**

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

**2. 跑道和滑行道的使用**

2.1 可以通过现场指挥频率 129.25MHz 申请引导车服务。

**2. Use of runways and taxiways**

2.1 Follow-me vehicle service is available by contacting frequency 129.25 MHz.

2.2 为规范航空器进入跑道和落地后的跑道占用时间，提高跑道容量，做如下要求（湿跑道或污染跑道除外）：

2.2.1 起飞航空器在前机为起飞落地或跑道未被占用时，起飞的航空器从接到管制员进跑道指令至对正跑道应不超过50s；

2.2.2 落地航空器

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70s。

2.2 Except for wet RWY or contaminated RWY, requirement as follows to increase RWY operation capacity:

2.2.1 For departure aircraft, while preceding aircraft is taking off or landing, or while the RWY is not occupied, departure aircraft shall alignment RWY within 50s after receiving ATC instructions of entering RWY.

2.2.2 For landing aircraft

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

b. Aircraft of heavy type and above shall fully vacate RWY within 70s after flying over RWY threshold.

### 3. 机坪和机位的使用

发动机试车，需经塔台许可，并通报机场运行管理部门，在指定的地点进行。

### 3. Use of aprons and parking stands

Engine run-ups shall be carried out at a designated location and be subject to Tower Control and Aerodrome Operation Management Department for clearance.

### 4. 进、离场管制规定

无

### 4. Air traffic control regulations

Nil

### 5. 机场的 II/III 类运行

### 5. CAT II/III operations at AD

**5.1 HUD特殊批准 I/II 类运行程序:****5.1.1 准备阶段天气条件**

5.1.1.1 当预计30min内 RVR 低于550m、且高于或等于 350m 时，由航空公司向空管分局飞服室或由空中机组向进近管制室提出申请，由空管塔台决定启动低能见度运行程序。

5.1.1.2 当预计30min内 RVR 低于400m，高于或等于 200m 时，由航空公司向空管分局飞服室或由地面机组向塔台提出申请，由空管塔台决定启动使用低能见度运行程序。

**5.1.2 实施阶段天气条件**

5.1.2.1 RVR 测报值小于550m且不低于450m，云底高低于60m但不低于45m时，由空管塔台宣布启动HUD特殊批准I类运行。

5.1.2.2 RVR 测报值小于450m且不低于350m，云底高低于45m但不低于30m时，由空管塔台宣布启动HUD特殊批准II类运行。

**5.1.3 结束阶段天气条件**

5.1.3.1 当33号跑道 RVR 回升到550m以上，稳定20min 后，且预测天气将转好，由塔台发布结束指令。

5.1.3.2 当33号跑道 RVR 低于200m，且趋势预报在1h 以上无法转好或出现不适合继续实施 HUD 低能见度运行保障程序的其它情况，由塔台发布结束指令。

**5.1 HUD SA I/II operation procedures****5.1.1 Weather conditions of preparatory phase**

5.1.1.1 When predict RVR is 350m or greater, and less than 550m in the next 30min, flightcrew shall present an application to ATC, LVO is commenced by ATC.

5.1.1.2 When predict RVR is 200m or greater, and less than 400m in the next 30min, flightcrew shall present an application to ATC, LVO is commenced by ATC.

**5.1.2 Weather conditions of implementation**

5.1.2.1 When RVR is 450m or greater, and less than 550m, ceiling is 45m or greater, and less than 60m, HUD SA CAT I procedures is commenced by ATC.

5.1.2.2 When RVR is 350m or greater, and less than 450m, ceiling is 30m or greater, and less than 45m, HUD SA CAT II procedures is commenced by ATC.

**5.1.3 Weather conditions of termination**

5.1.3.1 When RVR rise to 550m or above and keep the status for 20min, and forecast shows a improvement trend. Low Visibility Procedure is closed by ATC.

5.1.3.2 When RVR is less than 200m and weather condition is not expected to improve in the next hour, or for other reasons, capability is not satisfied during operation period. Low Visibility Procedure is closed by ATC.

**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**

无

**8. Warning**

Nil

**9. 直升机飞行限制, 直升机停靠区**

无

**9. Helicopter operation restrictions and helicopter parking/docking area**

Nil

**ZBSJ AD 2.21 噪音限制规定及减噪程序**

无

**ZBSJ AD 2.21 Noise restrictions and Noise abatement procedures**

Nil

**ZBSJ AD 2.22 飞行程序****1. 总则**

除经塔台特殊许可外, 在塔台管制区内的飞行, 必须按照仪表飞行规则进行。

**ZBSJ AD 2.22 Flight procedures****1. General**

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

**2. 起落航线**

起落航线通常在跑道东侧, 高度400 - 600米; 经空中交通管制部门许可, 可在跑道西侧进行, 高度900米以下。

**2. Traffic circuits**

Traffic circuits shall be normally made to the east of RWY, at the altitudes of 400m-600m; Traffic circuits to the west of RWY are subject to ATC clearance, at the altitudes of below 900m.

**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。

**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. 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, 航空器最小水平间隔为6千米。

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

4.1 Radar control within Shijiazhuang APP has been implemented, the minimum horizontal radar separation is 6km.

## 4.2 Surveillance Minimum Altitude Sectors

|                                                                                                                                                                                                 |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Sector 1                                                                                                                                                                                        | ALT limit: 1200m or above |
| N385223E1142226-N385147E1144902-N390225E1150408-N385533E1151910-N384435E1145601-N383709E1142231-N385223E1142226                                                                                 |                           |
| Sector 2                                                                                                                                                                                        | ALT limit: 850m or above  |
| N383709E1142231-N384435E1145601-N385533E1151910-N385354E1152224-N382821E1144228-N382839E1143818-N383321E1143020-N382946E1142235-N383709E1142231                                                 |                           |
| Sector 3                                                                                                                                                                                        | ALT limit: 600m or above  |
| N382652E1141430-N382946E1142235-N383321E1143020-N382839E1143818-N382821E1144228-N385354E1152224-N384100E1153000-N375800E1153300-N372957E1150606-N372947E1144134-N380210E1142619-N382652E1141430 |                           |
| Sector 4                                                                                                                                                                                        | ALT limit: 1950m or above |
| N380144E1140843-N380210E1142619-N372947E1144134-N372943E1141525-N380144E1140843                                                                                                                 |                           |
| Sector 5                                                                                                                                                                                        | ALT limit: 1450m or above |
| N382250E1140320-N382652E1141430-N380210E1142619-N380144E1140843-N381900E1140500-N382250E1140320                                                                                                 |                           |
| Sector 6                                                                                                                                                                                        | ALT limit: 2350m or above |
| N383859E1135607-N385223E1142226-N383709E1142231-N382946E1142235-N382652E1141430-N382250E1140320-N383859E1135607                                                                                 |                           |
| Sector7                                                                                                                                                                                         | ALT limit: 2900m or above |
| N385123E1135043-N390836E1143554-N390642E1145511-N390225E1150408-N385147E1144902-N385223E1142226-N383859E1135607-N385123E1135043                                                                 |                           |

## 5. 无线电通信失效程序

无

## 5. Radio communication failure procedures

Nil

## 6. 目视飞行程序

无

## 6. Procedures for VFR flights

Nil

## 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

## Waypoint list

| ID    | COORDINATES(WGS-84) | ID    | COORDINATES(WGS-84) |
|-------|---------------------|-------|---------------------|
| HG602 | N380018E1150518     | LARAD | N390848E1143612     |
| HG611 | N380750E1144847     | NIPES | N383242E1150448     |
| HG703 | N380216E1152106     | OLRAP | N372954E1144724     |
| IB501 | N383457E1151735     | PIGAN | N383018E1140006     |
| JB511 | N383023E1144158     | SAKOD | N384024E1150948     |
| JB602 | N383742E1150206     | URKED | N381100E1151142     |
| LA601 | N385224E1143506     | FL    | N381454E1145318     |
| LA702 | N383848E1143406     | HG    | N374300E1154218     |
| LA723 | N385247E1143759     | JB    | N390236E1161154     |
| WX501 | N375156E1144438     | OC    | N382718E1143318     |
| BORGI | N375436E1152948     | SJW   | N381648E1144154     |
| ENGIL | N384630E1152648     | TYN   | N374454E1123712     |
| IBUNO | N383706E1153018     | WXI   | N362148E1145500     |
| ISGOD | N381706E1140524     |       |                     |

| Path Terminator         | Waypoint ID | Fly over | Magnetic Course (°) | Turn Direction | Altitude (m) | IAS (kt) | VPA/TCH | Navigation Specification |
|-------------------------|-------------|----------|---------------------|----------------|--------------|----------|---------|--------------------------|
| RWY15 Departure LAR-09D |             |          |                     |                |              |          |         |                          |
| CA                      |             |          | 152                 |                | 300          | MAX205   |         | RNAV1                    |

|                                |       |  |     |   |        |        |  |       |
|--------------------------------|-------|--|-----|---|--------|--------|--|-------|
| DF                             | OC    |  |     | L |        |        |  | RNAV1 |
| TF                             | LA601 |  |     |   | ↑ 3000 |        |  | RNAV1 |
| CF                             | LARAD |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure JB-09D         |       |  |     |   |        |        |  |       |
| CA                             |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                             | OC    |  |     | L |        |        |  | RNAV1 |
| TF                             | JB602 |  |     |   | ↑ 2700 |        |  | RNAV1 |
| TF                             | SAKOD |  |     |   | ↑ 3600 |        |  | RNAV1 |
| TF                             | ENGIL |  |     |   |        |        |  | RNAV1 |
| TF                             | JB    |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure JB-07D         |       |  |     |   |        |        |  |       |
| CA                             |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                             | FL    |  |     | L |        |        |  | RNAV1 |
| TF                             | NIPES |  |     |   |        |        |  | RNAV1 |
| TF                             | SAKOD |  |     |   | ↑ 3600 |        |  | RNAV1 |
| TF                             | ENGIL |  |     |   |        |        |  | RNAV1 |
| TF                             | JB    |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure IBU-09D        |       |  |     |   |        |        |  |       |
| CA                             |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                             | FL    |  |     | L |        |        |  | RNAV1 |
| TF                             | NIPES |  |     |   |        |        |  | RNAV1 |
| TF                             | IB501 |  |     |   | ↑ 3600 |        |  | RNAV1 |
| TF                             | IBUNO |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure HG-09D         |       |  |     |   |        |        |  |       |
| CA                             |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                             | FL    |  |     | L |        |        |  | RNAV1 |
| TF                             | URKED |  |     |   |        |        |  | RNAV1 |
| TF                             | HG703 |  |     |   | ↑ 2100 |        |  | RNAV1 |
| TF                             | BORGI |  |     |   |        |        |  | RNAV1 |
| TF                             | HG    |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure HG-07D(by ATC) |       |  |     |   |        |        |  |       |

|                                 |       |  |     |   |        |        |  |       |
|---------------------------------|-------|--|-----|---|--------|--------|--|-------|
| CA                              |       |  | 152 |   | 300    |        |  | RNAV1 |
| DF                              | HG611 |  |     |   | ↑ 600  | MAX205 |  | RNAV1 |
| TF                              | HG602 |  |     |   | ↑ 1200 |        |  | RNAV1 |
| TF                              | HG    |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure WXI-09D(by ATC) |       |  |     |   |        |        |  |       |
| CA                              |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| CF                              | WX501 |  | 180 | R | ↑ 1500 |        |  | RNAV1 |
| TF                              | OLRAP |  |     |   |        |        |  | RNAV1 |
| TF                              | WXI   |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure TYN-09D         |       |  |     |   |        |        |  |       |
| CA                              |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                              | OC    |  |     | L |        |        |  | RNAV1 |
| TF                              | ISGOD |  |     |   | ↑ 3000 |        |  | RNAV1 |
| TF                              | TYN   |  |     |   |        |        |  | RNAV1 |
| RWY15 Departure PIG-09D         |       |  |     |   |        |        |  |       |
| CA                              |       |  | 152 |   | 300    | MAX205 |  | RNAV1 |
| DF                              | OC    |  |     | L |        |        |  | RNAV1 |
| TF                              | PIGAN |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure LAR-18D         |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 600    |        |  | RNAV1 |
| DF                              | OC    |  |     |   |        | MAX205 |  | RNAV1 |
| TF                              | LA601 |  |     |   | ↑ 3000 |        |  | RNAV1 |
| TF                              | LARAD |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure JB-18D          |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 600    | MAX205 |  | RNAV1 |
| DF                              | JB511 |  |     | R |        |        |  | RNAV1 |
| TF                              | JB602 |  |     |   | ↑ 2700 |        |  | RNAV1 |
| TF                              | SAKOD |  |     |   | ↑ 3600 |        |  | RNAV1 |
| TF                              | ENGIL |  |     |   |        |        |  | RNAV1 |
| TF                              | JB    |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure IBU-18D         |       |  |     |   |        |        |  |       |

|                                 |       |  |     |   |        |        |  |       |
|---------------------------------|-------|--|-----|---|--------|--------|--|-------|
| CA                              |       |  | 332 |   | 600    |        |  | RNAV1 |
| DF                              | OC    |  |     |   |        | MAX205 |  | RNAV1 |
| TF                              | IB501 |  |     |   | ↑ 3600 |        |  | RNAV1 |
| TF                              | IBUNO |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure HG-18D          |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 300    | MAX205 |  | RNAV1 |
| DF                              | FL    |  |     | R |        |        |  | RNAV1 |
| TF                              | URKED |  |     |   |        |        |  | RNAV1 |
| TF                              | HG703 |  |     |   | ↑ 2100 |        |  | RNAV1 |
| TF                              | BORGI |  |     |   |        |        |  | RNAV1 |
| TF                              | HG    |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure HG-16D(by ATC)  |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 600    | MAX205 |  | RNAV1 |
| DF                              | SJW   |  |     | L |        |        |  | RNAV1 |
| TF                              | FL    |  |     |   |        |        |  | RNAV1 |
| TF                              | URKED |  |     |   |        |        |  | RNAV1 |
| TF                              | HG703 |  |     |   | ↑ 2100 |        |  | RNAV1 |
| TF                              | BORGI |  |     |   |        |        |  | RNAV1 |
| TF                              | HG    |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure WXI-18D         |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 600    | MAX205 |  | RNAV1 |
| DF                              | SJW   |  |     | R |        |        |  | RNAV1 |
| TF                              | WX501 |  |     |   | ↑ 1500 |        |  | RNAV1 |
| TF                              | OLRAP |  |     |   |        |        |  | RNAV1 |
| TF                              | WXI   |  |     |   |        |        |  | RNAV1 |
| RWY33 Departure WXI-16D(by ATC) |       |  |     |   |        |        |  |       |
| CA                              |       |  | 332 |   | 600    | MAX205 |  | RNAV1 |
| DF                              | SJW   |  |     | L |        |        |  | RNAV1 |
| TF                              | WX501 |  |     |   | ↑ 1500 |        |  | RNAV1 |
| TF                              | OLRAP |  |     |   |        |        |  | RNAV1 |
| TF                              | WXI   |  |     |   |        |        |  | RNAV1 |

|                              |       |  |     |  |        |        |  |       |
|------------------------------|-------|--|-----|--|--------|--------|--|-------|
| RWY33 Departure TYN-18D      |       |  |     |  |        |        |  |       |
| CA                           |       |  | 332 |  | 600    |        |  | RNAV1 |
| DF                           | OC    |  |     |  |        | MAX205 |  | RNAV1 |
| TF                           | ISGOD |  |     |  | ↑ 3000 |        |  | RNAV1 |
| TF                           | TYN   |  |     |  |        |        |  | RNAV1 |
| RWY33 Departure PIG-18D      |       |  |     |  |        |        |  |       |
| CA                           |       |  | 332 |  | 600    |        |  | RNAV1 |
| DF                           | OC    |  |     |  |        | MAX205 |  | RNAV1 |
| TF                           | PIGAN |  |     |  |        |        |  | RNAV1 |
| RWY15 Arrival LAR-09A        |       |  |     |  |        |        |  |       |
| IF                           | LARAD |  |     |  |        |        |  | RNAV1 |
| TF                           | LA601 |  |     |  | ↑ 3000 |        |  | RNAV1 |
| TF                           | LA702 |  |     |  | ↑ 1800 |        |  | RNAV1 |
| TF                           | OC    |  |     |  | 900    | MAX180 |  | RNAV1 |
| RWY15 Arrival JB-09A         |       |  |     |  |        |        |  |       |
| IF                           | JB    |  |     |  |        |        |  | RNAV1 |
| TF                           | ENGIL |  |     |  |        |        |  | RNAV1 |
| TF                           | SAKOD |  |     |  |        |        |  | RNAV1 |
| TF                           | JB602 |  |     |  | ↑ 2400 |        |  | RNAV1 |
| TF                           | OC    |  |     |  | 900    | MAX180 |  | RNAV1 |
| RWY15 Arrival HG-09A         |       |  |     |  |        |        |  |       |
| IF                           | HG    |  |     |  |        |        |  | RNAV1 |
| TF                           | BORGI |  |     |  |        |        |  | RNAV1 |
| TF                           | HG703 |  |     |  | ↑ 2400 |        |  | RNAV1 |
| TF                           | URKED |  |     |  |        |        |  | RNAV1 |
| TF                           | FL    |  |     |  | 1800   | MAX205 |  | RNAV1 |
| RWY15 Arrival HG-07A(by ATC) |       |  |     |  |        |        |  |       |
| IF                           | HG    |  |     |  |        |        |  | RNAV1 |
| TF                           | HG602 |  |     |  | ↑ 2400 |        |  | RNAV1 |
| TF                           | HG611 |  |     |  | ↑ 1200 |        |  | RNAV1 |
| TF                           | SJW   |  |     |  | 1200   | MAX205 |  | RNAV1 |

|                                     |       |   |     |   |        |        |  |       |
|-------------------------------------|-------|---|-----|---|--------|--------|--|-------|
| RWY15 Arrival TYN-09A               |       |   |     |   |        |        |  |       |
| IF                                  | TYN   |   |     |   |        |        |  | RNAV1 |
| TF                                  | ISGOD |   |     |   | ↑ 2700 |        |  | RNAV1 |
| TF                                  | OC    |   |     |   | 900    | MAX180 |  | RNAV1 |
| RWY15 Holding (outbound time 1 min) |       |   |     |   |        |        |  |       |
| HM                                  | FL    | Y | 321 | R | 2100   | MAX230 |  | RNAV1 |
| HM                                  | OC    | Y | 152 | L | 1200   | MAX230 |  | RNAV1 |
| RWY33 Arrival LAR-18A               |       |   |     |   |        |        |  |       |
| IF                                  | LARAD |   |     |   |        |        |  | RNAV1 |
| TF                                  | LA601 |   |     |   | ↑ 3000 |        |  | RNAV1 |
| TF                                  | OC    |   |     |   | ↑ 1200 |        |  | RNAV1 |
| TF                                  | SJW   |   |     |   | 1200   | MAX185 |  | RNAV1 |
| RWY33 Arrival LAR-16A               |       |   |     |   |        |        |  |       |
| IF                                  | LARAD |   |     |   |        |        |  | RNAV1 |
| TF                                  | LA723 |   |     |   | ↑ 3000 |        |  | RNAV1 |
| TF                                  | SJW   |   |     |   | 1200   | MAX185 |  | RNAV1 |
| RWY33 Arrival JB-18A                |       |   |     |   |        |        |  |       |
| IF                                  | JB    |   |     |   |        |        |  | RNAV1 |
| TF                                  | ENGIL |   |     |   |        |        |  | RNAV1 |
| TF                                  | SAKOD |   |     |   |        |        |  | RNAV1 |
| TF                                  | JB602 |   |     |   | ↑ 2400 |        |  | RNAV1 |
| TF                                  | OC    |   |     |   | ↑ 1200 |        |  | RNAV1 |
| TF                                  | SJW   |   |     |   | 1200   | MAX185 |  | RNAV1 |
| RWY33 Arrival JB-16A                |       |   |     |   |        |        |  |       |
| IF                                  | JB    |   |     |   |        |        |  | RNAV1 |
| TF                                  | ENGIL |   |     |   |        |        |  | RNAV1 |
| TF                                  | SAKOD |   |     |   |        |        |  | RNAV1 |
| TF                                  | FL    |   |     |   | 900    | MAX185 |  | RNAV1 |
| RWY33 Arrival HG-18A                |       |   |     |   |        |        |  |       |
| IF                                  | HG    |   |     |   |        |        |  | RNAV1 |
| TF                                  | BORGI |   |     |   |        |        |  | RNAV1 |

|                                     |       |   |     |   |        |        |  |       |
|-------------------------------------|-------|---|-----|---|--------|--------|--|-------|
| TF                                  | HG703 |   |     |   | ↑ 2400 |        |  | RNAV1 |
| TF                                  | URKED |   |     |   |        |        |  | RNAV1 |
| TF                                  | FL    |   |     |   | 900    | MAX185 |  | RNAV1 |
| RWY33 Arrival HG-16A(by ATC)        |       |   |     |   |        |        |  |       |
| IF                                  | HG    |   |     |   |        |        |  | RNAV1 |
| TF                                  | HG602 |   |     |   | 2400   | MAX185 |  | RNAV1 |
| RWY33 Arrival TYN-18A               |       |   |     |   |        |        |  |       |
| IF                                  | TYN   |   |     |   |        |        |  | RNAV1 |
| TF                                  | ISGOD |   |     |   | ↑ 2700 |        |  | RNAV1 |
| TF                                  | OC    |   |     |   | ↑ 1200 |        |  | RNAV1 |
| TF                                  | SJW   |   |     |   | 1200   | MAX185 |  | RNAV1 |
| RWY33 Holding (outbound time 1 min) |       |   |     |   |        |        |  |       |
| HM                                  | FL    | Y | 197 | R | 1200   | MAX230 |  | RNAV1 |
| HM                                  | OC    | Y | 152 | L | 1500   | MAX230 |  | RNAV1 |

**ZBSJ AD 2.23 其它资料****ZBSJ AD 2.23 Other information**

1. 全年有鸟类活动,夏季较多,其中机场北部地区鸟类活动较为频繁。机场当局采取了驱赶措施,鸟的活动情况如下:

1. Activities of bird flocks are found all the year round in the vicinity of the aerodrome especially during summer and north area of the airport are frequent. Aerodrome Authority resorts to dispersal methods to reduce bird activities.The details of bird activities as follows:

| Migratory Season | Direction of activity | Flight height within AD | Characteristic             |
|------------------|-----------------------|-------------------------|----------------------------|
| Spring (day)     | Migrate S to N        | 20-300m                 | All size, group            |
|                  | Migrate E to W        | 20-100m                 | Small size group(sparrow)  |
|                  |                       | 20-300m                 | Medium size                |
| Spring (night)   | Migrate E to W        | 10-150m                 | Medium size                |
|                  |                       | 0-50m                   | Small size                 |
| Summer (day)     | Near the airport      | 10-200m                 | Medium size group(swallow) |
| Summer (night)   | Near the airport      | 5-60m                   | Medium size                |
| Autumn (day)     | Migrate N to S        | 10-200m                 | Medium size(magpie)        |

|                |                |         |                       |
|----------------|----------------|---------|-----------------------|
| Autumn (night) | Migrate N to S | 10-300m | Medium size           |
| Autumn         | In the airport | 0-100m  | Small size group      |
|                |                | 20-150m | Large size            |
| Winter         | In the airport | 10-300m | Medium and large size |
|                |                | 0-100m  | Medium and small size |