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

ZYTL-大连/周水子 DALIAN/Zhoushuizi

ZYTL AD 2.2 机场地理位置和管理资料 Aerodrome geographical and administrative data

| 1 | 机场基准点坐标及其在机场的位置 ARP coordinates and site at AD | N38° 58.0' E121° 32.4' RCL, 1610m FM THR RWY28 |
|---|--|---|
| 2 | 方向、距离 Direction and distance from city | 298° GEO, 9.5km from Dalian Railway Station |
| 3 | 标高 / 参考气温 Elevation/Reference temperature | 32.6m/ 28.9° C (AUG) |
| 4 | 机场标高位置 / 高程异常 AD ELEV PSN/ geoid undulation | -/ - |
| 5 | 磁差 / 年变率 MAG VAR/Annual change | 7° W/- |
| 6 | 机场管理部门、地址、电话、传真、 AFS、电子邮箱、网址 AD administration, address, telephone, telefax, AFS, E-mail, website | Dalian International Airport Group CO.LTD Dalian Zhoushuizi Airport, No. 100 Yingke Street, Ganjingzi District Dalian 116033, Liaoning province, China TEL: 86-411-83886699 FAX: 86-411-86651188 AFS: ZYTLYDYX Website: www.dlairport.com |
| 7 | 允许飞行种类 Types of traffic permitted(IFR/VFR) | IFR/VFR |
| 8 | 机场性质 / 飞行区指标 Military or civil airport & Reference code | Civil/4E |
| 9 | 备注 Remarks | Nil |

ZYTL AD 2.3 工作时间 Operational hours

| 1 | 机场当局(机场开放时间) AD Administration (AD operational | HS or O/R |
|----|---|------------|
| 1 | hours) | 115 01 O/K |
| 2 | 海关和移民 Customs and immigration | HS or O/R |
| 3 | 卫生健康部门 Health and sanitation | HS or O/R |
| 4 | 航行情报服务讲解室 AIS Briefing Office | HS or O/R |
| 5 | 空中交通服务报告室 ATS Reporting Office (ARO) | HS or O/R |
| 6 | 气象讲解室 MET Briefing Office | HS or O/R |
| 7 | 空中交通服务 ATS | HS or O/R |
| 8 | 加油 Fuelling | HS or O/R |
| 9 | 地勤服务 Handling | HS or O/R |
| 10 | 保安 Security | HS or O/R |
| 11 | 除冰 De-icing | HS or O/R |
| 12 | 备注 Remarks | Nil |

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

| 1 | 货物装卸设施 Cargo-handling facilities | Platform lift, conveyor belt truck, fork lift |
|---|---|--|
| 2 | 燃油 / 滑油牌号 Fuel/oil types | Nr.3 jet fuel |
| 3 | 加油设施 / 能力 Fuelling facilities/capacity | Refueling truck(20000/ 48000/ 65000 litres) and hydrant cart: 17 litres/ sec |
| 4 | 除冰设施 De-icing facilities | De-icer |
| 5 | 过站航空器机库 Hangar space for visiting aircraft | Nil |
| 6 | 过站航空器的维修设施 Repair facilities for visiting aircraft | Line maintenance available for various types of aircraft on request |
| 7 | 备注 Remarks | Nil |

ZYTL AD 2.5 旅客设施 Passenger facilities

| 1 | 宾馆 Hotels | Adjacent to AD and in the city |
|---|-------------------------------|--|
| 2 | 餐馆 Restaurants | At AD and in the city |
| 3 | 交通工具 Transportation | Passenger's coaches, buses, taxis |
| 4 | 医疗设施 Medical facilities | First aid at AD, hospitals in the city |
| 5 | 银行和邮局 Bank and Post Office | At AD |
| 6 | 旅行社 Tourist Office | In the city TEL: 86-411-3627070 or 3644088 FAX: 86-411-3645195 |
| 7 | 备注 Remarks | Nil |

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

| 1 | 机场消防等级 AD category for fire fighting | CAT 8 | | |
|---|--|--|--|--|
| 2 | 援救设备 Rescue equipment | Fire fighting facilities: foam tender, fire-crash water tender, rapi intervention vehicle, disassembly rescue truck, illumination vehicle, dry chemical vehicle, cutter. | | |
| 3 | 搬移受损航空器的能力 Capability for removal of disabled aircraft | Uplift air cushion, mobile surface, etc. | | |
| 4 | 备注 Remarks | Nil | | |

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

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

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

| | 停机坪道面和强度 Apron surface and strength | Surface: | Cement concrete | |
|---|--|-----------|---|--|
| 1 | | Strength: | PCN 72/R/B/W/T (Stands Nr.134-144,138R,142R) PCN 69/R/B/W/T (Stands Nr.27, 28, 27L, 27R, 101-106, 127-133,206, 207, 211) PCN 68/R/B/W/T (Stands Nr.24-26, 201, 202) PCN 61/R/B/W/T (Stands Nr.19-23) PCN 58/R/B/W/T (Stands Nr.203-205, 208-210, 212-220, 212R, 214L) PCN 49/R/B/W/T (Stands Nr.11-18, 145-147) | |
| | 滑行道宽度、道面和强度 Taxiway width, surface and strength | Width: | 30.5m: A1; 27m:E; 23m: others. | |
| 2 | | Surface: | Cement concrete (main A) Asphalt (A(connect with THR RWY10), A1,A2, B, C, D, E) | |
| | | Strength: | PCN 61/R/B/W/T (main A) PCN 68/F/B/W/T (A(connect with THR RWY10), A1,A2, B, C, D) PCN 80/F/B/W/T (E) | |
| 3 | 高度表校正点的位置及其标高 ACL location and elevation | Nil | | |
| 4 | VOR/INS 校正点 VOR/INS checkpoints | Nil | | |
| 5 | 备注 Remarks | Nil | | |

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

| 1 | 航空器机位号码标记牌、滑行道引导线、航空器目视停靠/停放位置引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands | Taxiing guidance signs at all intersections with TWY and RWY and at al holding positions. Guide lines at apron. | | | |
|---|--|---|--|--|--|
| 2 | 跑道和滑行道标志及灯光 RWY and TWY marking and LGT | RWY markings RWY lights TWY markings TWY lights | RWY designations, THR, TDZ, center line, edge line, aiming point Center line, edge line, THR, RWY end Center line, edge line, TWY holding positions, Noentry Edge line, center line, RWY guard lights(TWYs A(connected THR RWY10), A1,A2,B) | | |
| 3 | 停止排灯 Stop bars | Nil | | | |

| | タン | RWY guard lights (configuration A) on TWY A (connected THR |
|---|---------------|--|
| 4 | 备注 Remarks | RWY10), A1,A2, B and located 90m FM RCL.One Way Exit Twy |
| | Remarks | Centerline Lights on TWY E |

ZYTL AD 2.10 机场障碍物 Aerodrome obstacles

| 序号 | 障碍物类型 (* | 磁方位 | 距离 | 海拔高度 | 影响的飞行程序及起飞航径区 |
|------------|----------------|---------------|---------|-------------------|----------------------------------|
| Serial Nr. | 代表有灯光) | BRG | DIST(m) | Elevation(m) | Flight procedure/take-off flight |
| ~ C | Obstacle type | (MAG)(degree) | 2101() | 210 (110 (111) | path area affected |
| | (*Lighted) | | | | |
| 1 | TWR | 020 | 2285 | 174 | |
| 2 | MT | 021 | 2245 | 142 | |
| 3 | Chimney | 045 | 642 | 74 | |
| 4 | Power line | 052 | 3883 | 124 | |
| 5 | BLDG | 053 | 2769 | 100 | |
| 6 | Chimney | 064 | 3251 | 120 | |
| 7 | BLDG | 069 | 2305 | 106 | |
| 8 | BLDG | 074 | 2165 | 92 | |
| 9 | Power line | 086 | 4950 | 143 | |
| 10 | TWR | 086 | 4602 | 133 | |
| 11 | BLDG | 088 | 5242 | 190 | RWY28 VOR/DME, NDB fina approach |
| 12 | Chimney | 090 | 9229 | 125 | |
| 13 | Torch | 090 | 9194 | 154 | |
| 14 | Light | 097 | 1848 | 39 | RWY10 departure |
| 15 | Tree | 097 | 2060 | 48 | RWY10 departure |
| 16 | Telegraph pole | 097 | 2809 | 67 | |
| 17 | Pole | 097 | 2897 | 65 | |
| 18 | Chimney | 097 | 2704 | 68 | |
| 19 | Crane | 098 | 1937 | 45 | RWY10 departure |
| 20 | BLDG | 098 | 1970 | 43 | RWY10 departure |
| 21 | Tree | 098 | 2081 | 49 | RWY10 departure |
| 22 | Steel frame | 098 | 5011 | 37 | |
| 23 | Crane | 098 | 1982 | 46 | |
| 24 | BLDG | 098 | 3307 | 75 | |
| 25 | Telegraph pole | 098 | 2963 | 66 | |
| 26 | TWR | 098 | 1959 | 47 | RWY10 departure |
| 27 | Pole | 099 | 1991 | 44 | RWY10 Take-off flight path |
| 28 | Steel frame | 099 | 2010 | 42 | |
| 29 | Tree | 100 | 2059 | 48 | RWY10 departure |
| 30 | Tree | 100 | 2161 | 49 | |

| | vithin a circle with | 1 | | 1 | |
|------------------|--------------------------------------|-----------------------------|---------------|----------------------|--|
| 序号 Serial Nr. | 障碍物类型 (* 代表有灯光) Obstacle type | 磁方位 BRG (MAG)(degree) | 距离 DIST(m) | 海拔高度 Elevation(m) | 影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected |
| | (*Lighted) | (MAG)(degree) | | | path area affected |
| 31 | Pole | 100 | 2593 | 52 | RWY10 Take-off flight path |
| 32 | Pole | 100 | 3151 | 76 | RWY10 Take-off flight path |
| 33 | Chimney | 100 | 7537 | 86 | RWY28 ILS/DME(GP INOP) final approach |
| 34 | Telegraph pole | 102 | 2190 | 45 | |
| 35 | Pole | 102 | 2444 | 46 | |
| 36 | Lightning rod | 102 | 2771 | 63 | RWY10 Take-off flight path |
| 37 | Power line | 103 | 2161 | 42 | |
| 38 | Pole | 103 | 2555 | 51 | RWY10 Take-off flight path |
| 39 | LMM 28 | 103 | 2669 | 57 | |
| 40 | Lightning rod | 103 | 2771 | 63 | |
| 41 | Lightning rod | 103 | 2807 | 63 | RWY28 ILS/DME (missed approach gradient 5%) |
| 42 | Tree | 104 | 2790 | 47 | |
| 43 | Pole | 105 | 1916 | 38 | RWY10 Take-off flight path |
| 44 | Pole | 105 | 2000 | 39 | |
| 45 | Pole | 106 | 1902 | 38 | RWY10 Take-off flight path |
| 46 | Power line | 107 | 1998 | 41 | |
| 47 | Pole | 108 | 2032 | 46 | RWY10 departure |
| 48 | Light | 109 | 1919 | 41 | RWY10 departure |
| 49 | Tree | 109 | 1964 | 44 | RWY10 departure |
| 50 | Power line | 109 | 4565 | 68 | • |
| 51 | GP 28 | 109 | 1197 | 43 | |
| 52 | Chimney | 111 | 1970 | 52 | RWY10 departure |
| 53 | Chimney | 112 | 2720 | 71 | • |
| 54 | Chimney | 112 | 2798 | 67 | |
| 55 | Chimney | 115 | 2235 | 64 | |
| 56 | Crane | 118 | 6347 | 125 | |
| 57 | Crane | 119 | 6182 | 123 | |
| 58 | Chimney | 132 | 1898 | 138 | |
| 59 | BLDG | 133 | 9100 | 401 | C/D Circling |
| 60 | BLDG | 133 | 10287 | 189 | |
| 61 | TWR | 138 | 10197 | 376 | RWY10 departure, ILS/DME, NDB missed approach turn RWY28 ILS/DME, VOR/DME NDB, initial approach |
| 62 | TWR | 144 | 9639 | 249 | |

| 序号 Serial Nr. | 障碍物类型 (* 代表有灯光) | 磁方位 BRG | 距离 DIST(m) | 海拔高度 Elevation(m) | 影响的飞行程序及起飞航径区 Flight procedure/take-off flight |
|------------------|-----------------------------|---------------|---------------|----------------------|---|
| | Obstacle type (*Lighted) | (MAG)(degree) | | | path area affected |
| 63 | MET station | 151 | 702 | 73 | |
| 64 | BLDG | 157 | 11134 | 298 | RWY28 RNAV star |
| 65 | Light | 170 | 430 | 64 | |
| 66 | Chimney | 172 | 2689 | 110 | |
| 67 | Chimney | 173 | 1188 | 85 | |
| 68 | Chimney | 177 | 856 | 79 | |
| 69 | Radar | 189 | 3345 | 260 | |
| 70 | MT | 220 | 2691 | 169 | |
| 71 | TWR | 221 | 10578 | 398 | Circling |
| 72 | MT | 238 | 13207 | 402 | RWY10 holding |
| 73 | BLDG | 246 | 1769 | 82 | |
| 74 | TWR | 261 | 8169 | 385 | RWY10 NDB missed approach circling RWY28 ILS/DME missed approach turn |
| 75 | TWR | 262 | 8188 | 378 | RWY10 NDB initial approach, RWY28 departure turn |
| 76 | TWR | 262 | 8754 | 338 | |
| 77 | MT | 262 | 9000 | 318 | |
| 78 | MT | 264 | 12521 | 388 | RWY28 ILS/DME missed approach turn |
| 79 | MT | 266 | 5997 | 227 | |
| 80 | MT | 266 | 7278 | 313 | RWY28 ILS/DME(missed approach gradient 2.5%), RWY28 missed approach turn (missed approach gradient 5%) |
| 81 | Chimney | 274 | 2211 | 63 | |
| 82 | BLDG | 276 | 2733 | 73 | RWY28 Take-off flight path |
| 83 | GP 10 | 276 | 1181 | 49 | |
| 84 | TWR | 278 | 4796 | 102 | RWY28 Take-off flight path |
| 85 | Lightning rod | 279 | 3501 | 82 | RWY28 Take-off flight path |
| 86 | Lightning rod | 279 | 3587 | 86 | RWY28 Take-off flight path |
| 87 | MT | 279 | 11200 | 198 | |
| 88 | Pole | 281 | 2436 | 50 | RWY28 Take-off flight path |
| 89 | BLDG | 281 | 6027 | 143 | RWY28 Take-off flight path |
| 90 | Pole | 282 | 2404 | 47 | RWY28 Take-off flight path |
| 91 | Pole | 283 | 2364 | 46 | RWY28 Take-off flight path |

| 序号 Serial Nr. | 障碍物类型 (* 代表有灯光) Obstacle type (*Lighted) | 磁方位 BRG (MAG)(degree) | 距离 DIST(m) | 海拔高度 Elevation(m) | 影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected |
|------------------|---|-----------------------------|---------------|----------------------|--|
| 92 | MT | 283 | 6150 | 193 | RWY28 Take-off flight path |
| 93 | Antenna | 284 | 2247 | 48 | |
| 94 | Pole | 284 | 2374 | 47 | RWY28 Take-off flight path |
| 95 | MT | 284 | 6153 | 197 | RWY28 Take-off flight path |
| 96 | MT | 284 | 6168 | 206 | RWY10 RNP z AR final approach RWY28 Take-off flight path |
| 97 | MT | 284 | 6187 | 212 | RWY28 Take-off flight path |
| 98 | Tree | 285 | 2090 | 39 | RWY28 Take-off flight path |
| 99 | MT | 285 | 6208 | 222 | RWY28 Take-off flight path |
| 100 | MT | 285 | 6250 | 231 | RWY28 Take-off flight path |
| 101 | MT | 285 | 6274 | 236 | RWY28 Take-off flight path |
| 102 | MT | 286 | 6286 | 245 | RWY28 Take-off flight path |
| 103 | MT | 286 | 6303 | 251 | RWY10 ILS/DME (GP INOP), take-off flight path RWY28 Departure |
| 104 | BLDG | 287 | 2520 | 53 | RWY28 Take-off flight path |
| 105 | Antenna | 291 | 1536 | 50 | RWY10 ILS/DME approach |
| 106 | Chimney | 299 | 1312 | 72 | |
| 107 | MT | 305 | 4610 | 246 | RWY28 ILS/DME final approach(missed approach gradient 2.5%) |
| 108 | MT | 305 | 4658 | 243 | |
| 109 | BLDG | 306 | 1142 | 73 | |
| 110 | TWR | 307 | 6270 | 373 | RWY10 ILS/DME initial approach, RWY28 VOR/DME, NDB missed approach,A/B circling |
| 111 | MT | 310 | 1340 | 105 | |
| 112 | TWR | 318 | 1465 | 112 | RWY10 RNP z AR missed approach |
| 113 | Chimney | 341 | 708 | 77 | |
| 114 | MT | 354 | 1946 | 161 | RWY10 RNP y AR missed approach |

| 序号 Serial Nr. | 障碍物类型 (* 代表有灯光) Obstacle type (*Lighted) | 磁方位 BRG (MAG)(degree) | 距离 DIST(m) | 海拔高度 Elevation(m) | 影响的飞行程序及起飞航径区 Flight procedure/take-off flight path area affected |
|------------------|---|-----------------------------|---------------|----------------------|---|
| 1 | MT | 045 | 49600 | 476 | RWY28 TAA |
| 2 | TWR | 063 | 25800 | 699 | RWY10/28 TAA, RWY28 arrival |
| 3 | MT | 063 | 25920 | 663 | Sector |
| 4 | TWR | 088 | 25200 | 267 | RWY28 RNAV initial approach |
| 5 | MT | 092 | 24300 | 202 | Determining factor |
| 6 | TWR | 094 | 27000 | 252 | RWY28 ILS, VOR/DME RNAV initial approach RWY28 RNAV arrival |
| 7 | MT | 119 | 27300 | 159 | RWY28 RNAV initial approach |
| 8 | TWR | 123 | 16009 | 230 | RWY28 ILS/DME,ILS,VOR/ DME intermediate approach |
| 9 | Lightning rod | 124 | 15975 | 240 | RWY28 ILS, VOR/DME initia approach |
| 10 | Lightning rod | 238 | 40400 | 484 | RWY10/28 TAA |
| 11 | MT | 239 | 40750 | 466 | Sector |
| 12 | TWR | 255 | 15780 | 464 | |
| 13 | MT | 264 | 16196 | 408 | RWY10 ILS/DME initial approach, RWY28 holding, RWY28 departure turn(gradier 3.3%) |
| 14 | MT | 274 | 22900 | 233 | |
| 15 | MT | 275 | 48000 | 230 | |
| 16 | TWR | 277 | 22300 | 235 | RWY10 RNAV AR initial approach RWY10 RNAV, RNAV AR intermediate approach |
| 17 | MT | 279 | 20538 | 246 | RWY10 ILS/DME,RNP y AR intermediate approach |

ZYTL AD 2.11 提供的气象信息、机场观测与报告

Meteorological information provided & aerodrome observations and reports

| 1 | 相关气象室的名称 Associated MET Office | Dalian MET station of ATMB |
|----|---|--|
| 2 | 气象服务时间、服务时间以外的责任 气象室 Hours of service, MET Office outside hours | H24 |
| 3 | 负责编发 TAF 的办公室 ; 有效期 Office responsible for TAF preparation,Periods of validity | Dalian MET station of ATMB 9 HR, 24HR |
| 4 | 着陆预报类型、发布间隔 Type of landing forecast, Interval of issuance | Trend 30 min |
| 5 | 所提供的讲解 / 咨询服务 Briefing/consultation provided | P, T |
| 6 | 飞行文件及其使用语言 Flight documentation, Languages used | Chart, international MET codes, abbreviated plain language text Ch, En |
| 7 | 讲解 / 咨询服务时可利用的图表和其 它信息 Charts and other information available for briefing or consultation | Synoptic charts, significant weather charts, upper W/T charts, satellite and radar material, AWOS real-time data |
| 8 | 提供信息的辅助设备 Supplementary equipment available for providing information | FAX, MET Service Terminal |
| 9 | 接收气象信息的空中交通服务单位 ATS units provided with information | TWR, Dalian ACC |
| 10 | 观测类型与频率 / 自动观测设备 Type & frequency of observation/ Automatic observation equipment | Half hourly plus special observation/Yes |
| 11 | 气象报告类型及所包含的补充资料 Type of MET Report & supplementary information included | METAR, SPECI, TEND |
| 12 | 观测系统及位置 Observation System & Site(s) | RVR EQPT: A: 100m S of RCL, 520m inward THR10; B: 107.5m S of RCL, 1590m inward THR28. C: 100m N of RCL, 660m inward THR28. SFC wind sensors: MID: 107.5m S of RCL, 1550m inward THR28; RWY28: 110m N of RCL, 653m inward THR. Ceilometer: RWY10: 107.5m S of RCL, 537m inward THR; RWY28: 100m N of RCL, 625m inward THR. |
| 13 | 气象观测系统的工作时间 Hours of operation for meteorological observation system | H24 |
| 14 | 气候资料 Climatological information | Climatological tables AVBL |
| 15 | 其他信息 Additional information | Nil |

ZYTL AD 2.12 跑道物理特征 Runway physical characteristics

| 跑道号码 Designation s RWY NR | 真方位和磁方 位 TRUE & MAG BRG | 跑道长宽 Dimensions of RWY (m) | 跑道强度 (PCN), 跑道 道面 / 停止道道面 RWY strength (PCN), RWY surface/SWY surface | 着陆入口坐标及 高程异常 THR coordinates and geoid undulation | 跑道着陆入口标高 ,精密进近跑道接 地地带最高标高 THR elevation and highest elevation of TDZ of precision APP RWY |
|---------------------------------------|-----------------------------------|----------------------------------|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 10 | 096° GEO 103° MAG | 3300 × 45 | 68/F/B/W/T Asphalt/ Concrete | Nil | THR 32.3m TDZ 31.6m |
| 28 | 276° GEO 283° MAG | 3300 × 45 | 68/F/B/W/T Asphalt/ Concrete | Nil | THR 27.2m TDZ 28.2m |
| 跑道 - 停止 道坡度 Slope of RWY-SWY | 停止道长宽 SWY dimensions (m) | 净空道长宽 CWY dimensions (m) | 升降带长宽 Strip dimensions (m) | 无障碍物地带 OFZ | 跑道端安全区长宽 RWY end safety area dimensions (m) |
| 7 | 8 | 9 | 10 | 11 | 12 |
| See AOC | 50 × 60 | Nil | 3520 × 256 | Nil | 189 × 150 |
| See AOC | 50 × 60 | Nil | 3520 × 256 | Nil | 132 × 150 |
| Remarks: | 1 | | | 1 | |

ZYTL AD 2.13 公布距离 Declared distances

| 跑道代号 RWY Designator | 可用起飞滑跑 距离 TORA (m) | 可用起飞距离 TODA (m) | 可用加速停止距离 ASDA (m) | 可用着陆距离 LDA (m) | 备注 Remarks |
|---------------------------|--------------------------|--------------------|----------------------|-------------------|--|
| 10 | 3300 | 3300 | 3350 | 3100 | THR of RWY 10 displaced 200m inwards |
| 28 | 3300 | 3300 | 3350 | 3000 | THR of RWY 28 displaced 300m inwards |
| 28 | 3170 | 3170 | 3220 | 3000 | FM A2 |
| 28 | 3070 | 3070 | 3120 | 3000 | FM B |
| Remarks: | | | | | • |

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

| 跑道 代号 RWY Desig nator | 进近灯 类 度 及 及 APCH LGT type LEN INTST | 入口灯 颜色、 翼排灯 THR LGT colour WBAR | 目视进近坡 度指示系统(跑道高),就 密进示器 指示器 VASIS (MEHT) PAPI | 接地地带 灯长度 TDZ LGT LEN | 跑道中心线灯 长度、间隔、 颜色、强度 RWY Center line LGT LEN, spacing, colour, INTST | 跑道边灯长 度、间隔、颜 色、强度 RWY edge LGT LEN, spacing, colour, INTST | 跑道未端 灯颜色 RWY end LGT colour | 停止道灯 长度、颜 色 SWY LGT LEN, colour |
|-----------------------------------|--|---|---|-------------------------------|---|--|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | CAT I* 840m VRB LIH | Green Yes | PAPI Left/3.3° | Nil | 3100m** spacing 30m | 3300m**** spacing 60m | Red | Nil |
| 28 | CAT I* 870m VRB LIH | Green Yes | PAPI Left/3° | Nil | 3000m*** spacing 30m | 3300m**** spacing 60m | Red | Nil |

Remarks:

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

| 1 | 机场灯标 / 识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation | Nil |
|---|--|--|
| 2 | 着陆方向指示器位置和灯光; 风速表 位置和灯光 LDI location and LGT, Anemometer location and LGT | Nil |
| 3 | 滑行道边灯和中心线灯光 TWY edge and center line lighting | Available |
| 4 | 备份电源 / 转换时间 Secondary power supply/switch-over time | Secondary power supply available/ 15 sec |
| 5 | 备注 Remarks | Nil |

^{*} SFL

^{**} up to 2200m White VRB LIH, 2200-2800m Red/White VRB LIH, 2800-3100m Red VRB LIH

^{***} up to 2100m White VRB LIH, 2100-2700m Red/White VRB LIH, 2700-3000m Red VRB LIH

^{****} up to 2700m White VRB LIH, 2700-3300m Yellow VRB LIH

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

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

ZYTL 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 |
|------------------------------------|---|---|------------|
| Dalian Control Zone | N390400E1211400- N390200E1215000- N385100E1214900- N385300E1211200- N390400E1211400 | Below 900m(AGL) | |
| Fuel Dumping Area | N3815E12200- N3840E12200- N3815E12330- N3840E12330- N3815E12200 | Above 3000m | |
| Altimeter setting region and TL/TA | Same as Dalian Approach Control Zone | TL 3600 TA 3000 2700(QNH ≤ 979hpa) 3300(QNH ≥ 1031hpa) | |

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

| 服务名称 Service Designation | 呼号 Call sign | 频率 Frequency (MHz) | 工作时间 Hours of operation | 备注 Remarks |
|-----------------------------|-----------------|----------------------|-------------------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| ATIS | | 126.65 | H24 | D-ATIS available |
| APP | Dalian Approach | 123.85 (127.95) AP01 | H24 | Nil |
| APP | Dalian Approach | 119.6 (127.95) AP02 | 0100-1200 | Contact ZYTLAP01 when ZYTLAP02 U/S. |
| TWR | Dalian Tower | 118.25 (118.85) | H24 | Nil |
| GND | Dalian Ground | 121.65 | H24 | |
| Delivery | Dalian Delivery | 121.85 | НО | DCL available |
| EMG | | 121.5 | H24 | |

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

| 设施名称和类型 Name and type of aid | 识别 ID | 频率 Frequency | 发射天线位置、 坐标 Antenna site coordinates | DME 发射天线 标高 Elevation of DME transmitting antenna | 备注 Remarks |
|------------------------------------|-------|---------------------|--|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Fujiazhuang NDB | FC | 213kHz | N38° 52.1′ E121° 37.7′ | | On bearing 163° U/S, on bearing 107° beyond 7NM U/S, on bearing 190 ° within 6NM U/S, on bearing 103° BTN 3- 5NM U/S. |
| Dalian VOR/DME | DBL | 115.4MHz CH 101X | N38° 57.7′ E121° 34.2′ 102.6° MAG/ 2735m FM ARP | 59m | |
| LOM 10 | ZF | 391kHz | 283° MAG/ 3656m FM displaced THR10 | | Outer marker unavailable. |
| LMM 10 | Z | 440kHz | 283° MAG/ 1113m FM displaced THR10 | | |
| LOC 10 ILS CAT I | IZF | 109.1MHz | 089° MAG/ 787m FM RWY center | | Beyond 20° leftside of front course U/S |

| 设施名称和类型 Name and type of aid | 识别 ID | 频率 Frequency | 发射天线位置、 坐标 Antenna site coordinates | DME 发射天线 标高 Elevation of DME transmitting antenna | 备注 Remarks |
|------------------------------------|-------|----------------------|---|---|-----------------------|
| GP 10 | | 331.4MHz | 120m S of RCL,316m FM displaced THR10 | | Angle 3.3° RDH 18m |
| DME 10 | IZF | CH 28X (109.1MHz) | 120m S of RCL,316m FM displaced THR10 | 38m | Co-located with GP 10 |
| NDB | KD | 530kHz | 103° MAG/ 4321m FM displaced THR28 | | U/S |
| LMM 28 | K | 257kHz | 103° MAG/ 1359m FM displaced THR28 | | U/S |
| LOC 28 ILS CAT I | IKD | 111.1MHz | 283° MAG/ 550m FM displaced THR10 | | |
| GP 28 | | 331.7MHz | 120m N of RCL, 320m FM displaced THR28 | | Angle 3° RDH 15m |
| DME 28 | IKD | CH 48X (111.1MHz) | 320m FM displaced THR28 126m N of RCL | 33m | Co-located with GP 28 |
| Remarks: | | | • | | |

ZYTL AD 2.20 本场飞行规定

ZYTL 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

无

2. Use of runways and taxiways

Nil

3. 机坪和机位的使用

- 3.1. 未经机场塔台同意,严禁航空器利用自身动力倒滑;
- 3.2. 滑行速度不得超过30千米/小时;
- 3.3 发动机试车,需经塔台许可,并在指定的地点进行。严禁在廊桥附近试大车;

3. Use of aprons and parking stands

- 3.1Push-back of aircraft on its own power is strictly forbidden without Tower Control clearance;
- 3.2Taxi speed shall not exceed 30km/h;
- 3.3 Engine run-ups are subject to Tower Control clearance, and shall be carried out at a designated location. Fast engine run-ups near boarding bridges are strictly forbidden;

3.4 机位限制 /Limits for aircraft parking on the following stands

| 停机位 /Stands | 可用机型 /ACFT Type | 机身长度限制 /Fuselage limite | 翼展限制 /Wing span limits | 滑入、滑出方式 / Enter or Exit |
|---------------------------------------|--------------------|-------------------------------|---------------------------|----------------------------|
| Nr.103 | В | ≤ 21m | ≤ 19.5m | Taxi in/Push back |
| Nr.127 | В | ≤ 32m | <24m | Taxi in/Taxi back |
| Nr.128 | С | ≤ 36m | ≤ 30m | Taxi in/Taxi back |
| Nr.101,102 | С | ≤ 38m | ≤ 34.15m | Taxi in/Push back |
| Nr.218-220,145-147 | С | ≤ 39.5m | <36m | Taxi in/Taxi back |
| Nr.134,135 | С | ≤ 39.5m | <36m | Taxi in/Push back |
| Nr.104-106 | С | <45m | ≤ 34.15m | Taxi in/Push back |
| Nr.129-133,201, 202,208-211 | С | <45m | <36m | Taxi in/Taxi back |
| Nr.11-14,24,25, 27R,27L,28,136-144 | С | <45m | <36m | Taxi in/Push back |
| Nr.203-206,212R, 213,214L,215-217 | С | ≤ 46.5m | <36m | Taxi in/Taxi back |
| Nr.207 | С | ≤ 46.5m | <36m | Taxi in/Push back |
| Nr.212,214 | D | <55m | <48m | Taxi in/Taxi back |
| Nr.15-19,26 | D | <55m | <48m | Taxi in/Push back |
| Nr.138R,142R | Е | <71m | <65m | Taxi in/Taxi back |
| Nr.20-23,27 | Е | <75.4m | <65m | Taxi in/Push back |

3.5 航空器不能同时使用的机位 /Pair of stands forbidden to be used simultaneously

| 使用机位 | 不可用机位 | 使用机位 | 不可用机位 |
|----------------------|-----------------------------|---------------|-----------------------------|
| /Stand in use | /Stands forbidden to be use | /Stand in use | /Stands forbidden to be use |
| Nr.27 | Nr.27R, 27L, 201, 202 | Nr.201 or 202 | 27 |
| Nr.27R or 27L | Nr.27 | Nr.212 | Nr.212R, 213 |
| Nr.138 or 139 or 140 | Nr.138R | Nr.212R | Nr.212 |
| Nr.138R | Nr.138, 139, 140 | Nr.213 | Nr.212, 214 |
| Nr.142R | Nr.143, 144 | Nr.214L | Nr.214 |
| Nr.143 or 144 | Nr.142R | Nr.214 | Nr.213, 214L |

| 4. 进、离场管制规定 | 4. Air traffic control regulations |
|--------------------------|--|
| 无 | Nil |
| | |
| 5. 机场的 II/III 类运行 | 5. CAT II/III operations at AD |
| 无 | Nil |
| | |
| 6. 除冰规则 | 6. Rules for deicing |
| 无 | Nil |
| | |
| 7. 平行跑道同时仪表运行 | 7. Simultaneous operations on parallel runways |
| 无 | Nil |
| | |
| 8. 警告 | 8. Warning |
| 无 | Nil |
| | |
| 9. 直升机飞行限制,直升机停靠区 | 9. Helicopter operation restrictions and helicopter parking/docking area |
| 无 | Nil |
| | |
| ZYTL AD 2.21 噪音限制规定及减噪程序 | ZYTL AD 2.21 Noise restrictions and Noise |
| | abatement procedures |
| 无 | Nil |
| | |
| ZYTL AD 2.22 飞行程序 | ZYTL AD 2.22 Flight procedures |
| 1. 总则 | 1. General |
| - · · · | |

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

2. 起落航线

起落航线在跑道两侧均可,A类航空器高度600米(QNH),B、C、D类航空器高度900米(QNH)。

2. Traffic circuits

Traffic circuits shall be made to both sides of RWY, 600m(QNH) for aircraft CAT A, and 900m(QNH) for aircraft CAT B, C and D.

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

大连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

Radar control within Dalian APP has been implemented. The minimum horizontal radar separation is 6km.

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

9. Other regulations

无

Nil

10. 区域导航飞行程序相关数据

10. Data for RNAV flight procedures

Waypoint list

| Waypoint ID | COORDINATES | Waypoint ID | COORDINATES |
|-------------|------------------|-------------|----------------------|
| TL102 | N385835 E1211532 | TL404 | N390407 E1212222 |
| TL103 | N385849 E1210835 | TL405 | N390051 E1205234 |
| TL104 | N390504 E1210920 | TL406 | N390310 E1213454 |
| TL105 | N385415 E1210802 | TL407 | N390205 E1214846 |
| TL106 | N390434 E1211616 | TL408 | N385242 E1212954 |
| TL107 | N385344 E1211456 | TL409 | N385339 E1211709 |
| | | TL410 | N384822 E1212026 |
| | | TL411 | N384019 E1211926 |
| TL110 | N390340 E1212821 | TL500 | N385803.1 E1213119.0 |
| TL111 | N385240 E1212912 | TL501 | N385807.1 E1212923.6 |
| TL112 | N385748 E1213416 | TL502 | N385822.7 E1212140.5 |
| TL113 | N384900 E1221531 | TL503 | N385823.9 E1212104.7 |
| TL201 | N385700 E1214426 | TL504 | N385749.1 E1213801.5 |
| TL202 | N390222 E1214508 | TLC04 | N385457.3 E1213801.2 |
| TL203 | N390320 E1213234 | CHI | N391600 E1223700 |
| TL204 | N390401 E1212331 | FC | N385206 E1213742 |
| TL205 | N385756 E1213220 | | |
| TL206 | N385253 E1212551 | ANRAT | N3839.5 E11957.4 |
| TL208 | N384627 E1214536 | BUBLO | N3838.9 E12035.2 |
| TL209 | N390212 E1214909 | DOBGA | N3824.8 E12127.5 |
| TL301 | N385657 E1214503 | EKULI | N3832.6 E12113.0 |
| TL302 | N385649 E1214638 | INTIV | N3828.5 E12031.2 |
| TL303 | N385617 E1215335 | KARPI | N3815.0 E12043.0 |
| TL304 | N385527 E1220402 | LOTGO | N3832.0 E12009.5 |
| TL305 | N385002 E1220319 | NIXEP | N3815.0 E12059.3 |
| TL306 | N390049 E1220446 | ORAVA | N3842.6 E12012.4 |
| TL307 | N385050 E1215252 | PATRI | N3833.5 E12130.7 |
| TL308 | N390137 E1215417 | POVAG | N3816.7 E12215.1 |
| TL309 | N385123 E1214556 | RUPID | N3824.5 E12224.7 |
| TL310 | N390212 E1214720 | SANKO | N3815.0 E12227.2 |
| TL311 | N385221 E1213332 | SARUD | N3849.9 E12009.8 |
| TL312 | N383558 E1213648 | TANIB | N3822.9 E12105.2 |
| TL401 | N385844 E1212142 | UDETI | N3841.5 E12209.6 |
| TL402 | N385921 E1211324 | VENOS | N3854.2E12219.6 |
| TL403 | N390444 E1211404 | | |

Coding table

| PT [ARC CTR,Radius | Waypoint | Ove r | Course (°) | Turn Direction | Alt(m) | SPD LMT (kt) | NAV PERF |
|-----------------------|--------------|----------|-------------|-------------------|--------|--------------|----------|
| NM] | | fly | | | | () | |
| RWY10 Departure S | | by ATC | * | 1 | | | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL202 | | | | | MAX230 | RNAV1 |
| TF | TL204 | | | | | | RNAV1 |
| TF | TL104 | | | | | | RNAV1 |
| TF | SARUD | | | | | | RNAV1 |
| RWY10 Departure C | | | | | | | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL202 | | | | | MAX230 | RNAV1 |
| TF | TL203 | | | | ↑ 2700 | | RNAV1 |
| TF | TL206 | | | | ↑ 3900 | | RNAV1 |
| TF | EKULI | | | | ↑ 6600 | | RNAV1 |
| TF | BUBLO | | | | | | RNAV1 |
| TF | ORAVA | | | | | | RNAV1 |
| RWY10 Departure C | | | | | | | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL202 | | | | | | RNAV1 |
| TF | TL203 | | | | ↑ 2700 | | RNAV1 |
| TF | TL205 | | | | | MAX220 | RNAV1 |
| TF | TL201 | | | | | | RNAV1 |
| TF | TL304 | | | | | | RNAV1 |
| TF | VENOS | | | | ↑ 4200 | | RNAV1 |
| TF | CHI | | | | | | RNAV1 |
| RWY10 Departure C | CHI-08D | | • | 1 | 1 | ' | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL304 | | | | | | RNAV1 |
| TF | VENOS | | | | ↑ 4200 | | RNAV1 |
| TF | CHI | | | | | | RNAV1 |
| RWY10 Departure C | CHI-09D(by A | TC) | | | | | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL209 | | | | | | RNAV1 |
| TF | CHI | | | | | | RNAV1 |
| RWY10 Departure K | ARPI-08D(b | y ATC) | | | | | |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| TF | TL202 | | | | | MAX230 | RNAV1 |
| TF | TL203 | | | | ↑ 2700 | | RNAV1 |
| TF | TL204 | | | | | | RNAV1 |
| TF | TL107 | | | | ↑ 3900 | | RNAV1 |
| TF | KARPI | | | | . 3700 | | RNAV1 |
| RWY10 Departure K | | 1 |] | | | | <u> </u> |
| CF | TL201 | | 103 | | ↑ 800 | | RNAV1 |
| | 1 | 1 | i - | 1 | . 500 | i | _ i |

| TF | TL203 | | 1 2700 | | RNAV1 |
|-------------|---------------------|----------|----------|----------|-------|
| TF | TL206 | | ↑ 3900 | | RNAV1 |
| TF | EKULI | | 1 6600 | | RNAV1 |
| TF | KARPI | | | | RNAV1 |
| RWY10 Depar | ture SANKO-08D | | | • | • |
| CF | TL201 | 103 | ↑ 800 | | RNAV1 |
| TF | TL208 | | | | RNAV1 |
| TF | POVAG | | | | RNAV1 |
| TF | SANKO | | | | RNAV1 |
| RWY10 Depar | ture SANKO-09D | | | • | |
| CF | TL201 | 103 | 1 800 | | RNAV1 |
| TF | TL202 | | | MAX230 | RNAV1 |
| TF | TL203 | | 1 2700 | | RNAV1 |
| TF | TL205 | | | | RNAV1 |
| TF | TL208 | | | | RNAV1 |
| TF | POVAG | | | | RNAV1 |
| TF | SANKO | | | | RNAV1 |
| RWY28 Depar | ture SARUD-19D(by | ATC) | <u> </u> | • | • |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL402 | | 1200 | | RNAV1 |
| TF | TL405 | | ↑ 3600 | | RNAV1 |
| TF | SARUD | | | | RNAV1 |
| RWY28 Depar | ture ORAVA-18D(by | ATC) | | | • |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL410 | | | | RNAV1 |
| TF | TL411 | | | | RNAV1 |
| TF | EKULI | | | | RNAV1 |
| TF | BUBLO | | | | RNAV1 |
| TF | ORAVA | | | | RNAV1 |
| RWY28 Depar | ture ORAVA-19D | <u> </u> | <u> </u> | <u>.</u> | |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL404 | | | MAX230 | RNAV1 |
| TF | TL406 | | 1 2700 | MAX250 | RNAV1 |
| TF | TL112 | | | | RNAV1 |
| TF | TL408 | | ↑ 3900 | | RNAV1 |
| TF | TL411 | | | | RNAV1 |
| TF | EKULI | | ↑ 6600 | | RNAV1 |
| TF | BUBLO | | | | RNAV1 |
| TF | ORAVA | | | | RNAV1 |
| RWY28 Depar | ture CHI-18D(by ATC | C) | <u> </u> | ı | 1 |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL404 | | | MAX230 | RNAV1 |
| TF | TL406 | | 1 2700 | | RNAV1 |
| TF | TL407 | | | | RNAV1 |
| TF | СНІ | | | | RNAV1 |
| RWY28 Depar | ture CHI-19D | | L | | |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |

| TF | TL404 | | | MAX230 | RNAV1 |
|--------------------|----------------|--------|---|----------|----------|
| TF | TL406 | | 1 2700 | | RNAV1 |
| TF | TL301 | | | | RNAV1 |
| TF | TL304 | | | | RNAV1 |
| TF | VENOS | | | | RNAV1 |
| TF | CHI | | | | RNAV1 |
| RWY28 Departure K | ARPI-17D(by | y ATC) | - 1 | • | 1 |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL402 | | 1200 | | RNAV1 |
| TF | TL403 | | | MAX225 | RNAV1 |
| TF | TL404 | | | MAX250 | RNAV1 |
| TF | TL401 | | | | RNAV1 |
| TF | TL409 | | ↑ 3900 | | RNAV1 |
| TF | KARPI | | | | RNAV1 |
| RWY28 Departure K | | v ATC) | | | |
| CF | TL401 | 283 | 1 700 | | RNAV1 |
| TF | TL410 | | 1 700 | | RNAV1 |
| TF | TL411 | | | | RNAV1 |
| TF | EKULI | | | | RNAV1 |
| TF | KARPI | | | | RNAV1 |
| RWY28 Departure K | | | | | ICIVII |
| CF CF | TL401 | 283 | 1 700 | | RNAV1 |
| TF | TL401 | 203 | 1 700 | MAX230 | RNAV1 |
| TF | TL404 | | A 2700 | | RNAV1 |
| TF | TL112 | | 1 2700 | WAX250 | RNAV1 |
| TF | TL112 TL408 | | 4 2000 | | RNAV1 |
| TF | TL408 | | 1 3900 | | RNAV1 |
| TF | | | 1.000 | | |
| TF | EKULI | | ↑ 6600 | | RNAV1 |
| | KARPI | ATC) | | | RNAV1 |
| RWY28 Departure SA | ` | , | | | DN 41/1 |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL410 | | | | RNAV1 |
| TF | POVAG | | | | RNAV1 |
| TF | SANKO | | | | RNAV1 |
| RWY28 Departure SA | | 1 | <u>, , , , , , , , , , , , , , , , , , , </u> | <u>†</u> | 1 |
| CF | TL401 | 283 | ↑ 700 | | RNAV1 |
| TF | TL404 | | | MAX230 | RNAV1 |
| TF | TL406 | | ↑ 2700 | | RNAV1 |
| TF | TL112 | | | | RNAV1 |
| TF | POVAG | | | | RNAV1 |
| TF | SANKO | | | | RNAV1 |
| RWY10 Arrival ANF | | | | | |
| IF | ANRAT | | | | RNAV1 |
| TF | LOTGO | | | | RNAV1 |
| TF | INTIV | | | | RNAV1 |
| TF | TANIB | | ↑ 3600 | | RNAV1 |
| 11 | IAMD | | or by A | ГС | IXIVAV I |
| | | | | | |

| TF | PATRI | ↓ 3000 | | RNAV1 |
|-------------------|---------|---------------------|----------|----------|
| TF | TL111 | | MAX210 | RNAV1 |
| TF | TL107 | ↑ 1200 | MAX210 | RNAV1 |
| RWY10 Arrival ANF | RAT-08A | | I | |
| IF | ANRAT | | | RNAV1 |
| TF | LOTGO | | | RNAV1 |
| TF | INTIV | | | RNAV1 |
| TF | TANIB | ↑ 3600 or by ATC | | RNAV1 |
| TF | PATRI | ↓ 3000 | | RNAV1 |
| TF | TL111 | | | RNAV1 |
| TF | TL110 | | MAX210 | RNAV1 |
| TF | TL106 | 1200 | MAX210 | RNAV1 |
| RWY10 Arrival CHI | -07A | | | |
| IF | СНІ | | | RNAV1 |
| TF | VENOS | | | RNAV1 |
| TF | TL113 | | | RNAV1 |
| TF | TL111 | | MAX210 | RNAV1 |
| TF | TL107 | ↑ 1200 | MAX210 | RNAV1 |
| RWY10 Arrival CHI | -08A | 1 | - 1 | -1 |
| IF | СНІ | | | RNAV1 |
| TF | VENOS | | | RNAV1 |
| TF | TL113 | | | RNAV1 |
| TF | TL111 | | | RNAV1 |
| TF | TL110 | | MAX210 | RNAV1 |
| TF | TL106 | 1200 | MAX210 | RNAV1 |
| RWY10 Arrival NIX | EP-07A | • | • | <u> </u> |
| IF | NIXEP | | | RNAV1 |
| TF | DOBGA | | | RNAV1 |
| TF | PATRI | ↓ 3000 | | RNAV1 |
| TF | TL111 | | MAX210 | RNAV1 |
| TF | TL107 | ↑ 1200 | MAX210 | RNAV1 |
| RWY10 Arrival NIX | | | | |
| IF | NIXEP | | | RNAV1 |
| TF | DOBGA | | | RNAV1 |
| TF | PATRI | ↓ 3000 | | RNAV1 |
| TF | TL111 | | | RNAV1 |
| TF | TL110 | | MAX210 | RNAV1 |
| TF | TL106 | 1200 | MAX210 | RNAV1 |
| RWY10 Arrival SAN | | | | |
| IF | SANKO | | | RNAV1 |
| TF | RUPID | | | RNAV1 |
| TF | UDETI | ↓ 3000 | | RNAV1 |
| TF | TL111 | | MAX210 | RNAV1 |
| TF | TL107 | 1200 | MAX210 | RNAV1 |
| RWY10 Arrival SAN | | | | |
| IF | SANKO | | | RNAV1 |

| TE | DIIDID | 1 | 1 | 1 | | | DN14371 |
|-------------------|----------------|----------|---------|----------|-----------|--------|-----------|
| TF | RUPID | | | | | | RNAV1 |
| TF | UDETI | | | | ↓ 3000 | | RNAV1 |
| TF | TL111 | | | | | | RNAV1 |
| TF | TL110 | | | | | MAX210 | RNAV1 |
| TF | TL106 | | | | 1200 | MAX210 | RNAV1 |
| RWY10 ILS Z Appro | | n VIA T | TL106 | | | | |
| IF | TL106 | | | | 1200 | MAX210 | RNAV1 |
| TF | TL102 | | | | 900 | | RNAV1 |
| RWY10 ILS Z Appro | ach transition | ı VIA T | L107 | | · | | · |
| TF | TL107 | | | | ↑ 1200 | MAX210 | RNAV1 |
| TF | TL105 | | | | | | RNAV1 |
| TF | TL103 | | | | 900 | | RNAV1 |
| TF | TL102 | | | | 900 | | RNAV1 |
| RWY10 AR Z&Y Ap | proach trans | ition VI | A TL106 | ! | | | |
| IF | TL106 | | | | 1200 | MAX210 | RNAV1 |
| TF | TL102 | | | | 900 | | RNP1 |
| RWY10 AR Z&Y Ap | | ition VI | A TL107 | <u> </u> | l | l | l |
| IF | TL107 | | | | ↑ 1200 | MAX210 | RNAV1 |
| TF | TL105 | | | | . 1200 | | RNAV1 |
| TF | TL103 | | | | 900 | | RNAV1 |
| TF | TL102 | | | | 900 | | RNP1 |
| RWY10 Approach AF | | ° TCL | [15m) | | 700 | | 10.12 |
| IF | TL102 | ,101 | 1 3111) | | 900 | | RNP1 |
| TF | TL502 | | | | 900 | MAX160 | RNP1 |
| TF | TL502 | | | | 900 | WAX100 | RNP0.3 |
| TF | TL500 | Y | | | | | RNP0.3 |
| TF | TL504 | 1 | | | | | RNP1 |
| | | | | D | 000 | MAN210 | |
| RF[TLC04,2.9] | FC | | | R | 900 | MAX210 | RNP1 |
| TF | TL111 | | | | 1500 | | RNP1 |
| RWY10 Approach AF | | °,TCF | I 15m) | | | | T == == 1 |
| IF | TL102 | | | | 900 | | RNP1 |
| TF | TL503 | | | | 900 | MAX160 | RNP1 |
| TF | TL501 | | 1 | | | | RNP0.3 |
| TF | TL500 | Y | | | | | RNP0.3 |
| TF | TL504 | | | | | | RNP1 |
| RF[TLC04,2.9] | FC | | | R | 900 | MAX210 | RNP1 |
| TF | TL111 | | | | 1500 | | RNP1 |
| RWY10 HOLDDING | ` | | n) | | | | |
| HM | DOBGA | Y | 023 | R | By ATC | MAX250 | RNAV1 |
| HM | UDETI | Y | 333 | L | By ATC | MAX250 | RNAV1 |
| HM | TL111 | Y | 283 | L | 1500 | MAX210 | RNAV1 |
| RWY28 Arrival AN | RAT-18A | 1 | | 1 | l | L | l |
| IF | ANRAT | | | | | | RNAV1 |
| TF | LOTGO | | 1 | | | | RNAV1 |
| TF | INTIV | | | | | | RNAV1 |
| | | | | | ↑ 3600 | | |
| TF | TANIB | | | | or by ATC | | RNAV1 |
| <u> </u> | <u> 1</u> | 1 | 1 | | - , | | |

| TF | PATRI | | | | ↓ 3000 | | RNAV1 |
|--------------------|---------------|---------|------|-----|------------------|--------------|----------------|
| TF | TL311 | | | | ¥ 3000 | | RNAV1 |
| TF | TL311 | | | | ↑ 900 | MAX210 | RNAV1 |
| RWY28 Arrival ANR | | | | | 1 900 | WAX210 | KNAVI |
| IF | ANRAT | | | | | 1 | RNAV1 |
| TF | LOTGO | | | | | | RNAV1 |
| TF | INTIV | | | | | | RNAV1 |
| 11' | INTIV | | | | A 2600 | | KNAVI |
| TF | TANIB | | | | 1 3600 or by ATC | | RNAV1 |
| TF | PATRI | | | | ↓ 3000 | | RNAV1 |
| TF | TL312 | | | | ↓ 3000 | | RNAV1 |
| TF | TL309 | | | | ↑ 900 | MAX210 | RNAV1 |
| RWY28 Arrival CHI- | -19A | | | • | <u> </u> | <u> </u> | <u> </u> |
| IF | CHI | | | | | | RNAV1 |
| TF | VENOS | | | | | | RNAV1 |
| TF | TL304 | | | | ↑ 900 | MAX210 | RNAV1 |
| RWY28 Arrival NIX | EP-18A | 1 | | -1 | - | - | 1 |
| IF | NIXEP | | | | | | RNAV1 |
| TF | DOBGA | | | | | | RNAV1 |
| TF | PATRI | | | | ↓ 3000 | | RNAV1 |
| TF | TL311 | | | | | | RNAV1 |
| TF | TL309 | | | | 1 900 | MAX210 | RNAV1 |
| RWY28 Arrival NIX | EP-19A | 1 | 1 | I | | I | |
| IF | NIXEP | | | | | | RNAV1 |
| TF | DOBGA | | | | | | RNAV1 |
| TF | TL312 | | | | ↓ 3000 | | RNAV1 |
| TF | TL309 | | | | 1 900 | MAX210 | RNAV1 |
| RWY28 Arrival SAN | KO-19A | 1 | 1 | I | | I | |
| IF | SANKO | | | | | | RNAV1 |
| TF | RUPID | | | | | | RNAV1 |
| TF | UDETI | | | | ↓ 3000 | | RNAV1 |
| TF | TL305 | | | | | | RNAV1 |
| TF | TL304 | | | | 1 900 | MAX210 | RNAV1 |
| RWY28 ILS Z Approa | ch transition | VIA T | L304 | I | | | |
| IF | TL304 | | | | ↑ 900 | MAX210 | RNAV1 |
| TF | TL303 | | | | 900 | | RNAV1 |
| TF | TL302 | | | | 600 | | RNAV1 |
| RWY28 ILS Z Approa | ch transition | VIA T | L309 | 1 | | | - ļ |
| IF | TL309 | | | | 1 900 | MAX210 | RNAV1 |
| TF | TL307 | | | | | | RNAV1 |
| TF | TL305 | | | | | | RNAV1 |
| TF | TL304 | | | | 1 900 | | RNAV1 |
| TF | TL303 | | | | 900 | | RNAV1 |
| TF | TL302 | | | | 600 | | RNAV1 |
| RWY28 HOLDING(or | | e:1min) | I | 1 | <u> </u> | | |
| HM | DOBGA | Y | 023 | R | By ATC | MAX250 | RNAV1 |
| HM | UDETI | Y | 333 | L | By ATC | MAX250 | RNAV1 |
| ·- | | L | 1 | 1 - | - J - 11 C | | |

| HM | TL311 | Y | 103 | R | 1500 | MAX210 | RNAV1 |
|----|-------|---|-----|---|------|--------|-------|
| HM | TL304 | Y | 283 | R | 1200 | MAX210 | RNAV1 |

ZYTL AD 2.23 其它资料

ZYTL AD 2.23 Other information

- 1. 全年有鸟类活动, 机场当局采取了驱赶措施, 以减少鸟群活动。
- 1. Activities of birds flocks are found all the year round, Aerodrome Authority resorts to dispersal methods to reduce bird activities.