

**UAAT AD 2**

Note: The following sections in this chapter are intentionally left blank: AD-2.10, AD-2.16, AD-2.20, AD-2.21

**UAAT AD 2.1 Aerodrome Location Indicator And Name**

UAAT - TALDYKORGAN

**UAAT AD 2.2 Aerodrome Geographical And Administrative Data**

|   |   |   |
|---|---|---|
| 1 | ARP coordinates and site at AD  | 450721N 0782634E<br>At the centre of RWY  |
| 2 | Direction and distance from (city)  | 23°, 6.5 NM from Taldykorgan center   |
| 3 | Elevation/Reference temperature   | 1944 FT/ 32° C  |
| 4 | Geoid undulation at AD ELEV PSN   | -160 FT   |
| 5 | MAG VAR/Annual Change   | 5° E ( 2014 )/0°  |
| 6 | AD Administration, address, telephone, telefax, telex, e-mail address, AFS, website address | Post: Authority of Airport<br>040013 Taldykorgan, Airport,<br>JSC "Zhetysu Aircompany"<br>Republic of Kazakhstan<br>Phone: +7 (7282) 411819<br>Fax: +7 (7282) 271850<br>AFS: UAATJTUX<br>Email: zhetysuavia@mail.ru |
| 7 | Types of traffic permitted (IFR/VFR)  | IFR-VFR   |
| 8 | Remarks   | Nil   |

**UAAT AD 2.3 Operational Hours**

|    |                            |   |
|----|----------------------------|---|
| 1  | AD Operator                | See NOTAM   |
| 2  | Customs and immigration    | Nil   |
| 3  | Health and sanitation      | HO<br>Phone: +7 (7282) 411809   |
| 4  | AIS Briefing Office        | HO  |
| 5  | ATS Reporting Office (ARO) | HO<br>Phone: +7 (727) 2573756<br>Phone: +7 (7282) 411809<br>AFS: UAATZTZX |
| 6  | MET Briefing Office        | HO<br>Phone: +7 (7282) 240542   |
| 7  | ATS                        | See NOTAM   |
| 8  | Fuelling                   | HO<br>Phone: +7 (7282) 411820   |
| 9  | Handling                   | Phone: +7 (7282) 411809   |
| 10 | Security                   | H24<br>Phone: +7 (7282) 412381  |
| 11 | De-icing                   | Phone: +7 (7282) 411809   |
| 12 | Remarks                    | Nil   |

## UAAT AD 2.4 Handling Services And Facilities

|   |   |                                       |
|---|---|---------------------------------------|
| 1 | Cargo-handling facilities               | AVBL                                  |
| 2 | Fuel/oil types                          | RT, TS-1                              |
| 3 | Fuelling facilities/capacity            | 2 tankers, 4 tonnes                   |
| 4 | De-icing facilities                     | Nil                                   |
| 5 | Hangar space for visiting aircraft      | Nil                                   |
| 6 | Repair facilities for visiting aircraft | Minor repairs at aircraft repair base |
| 7 | Remarks                                 | Nil                                   |

## UAAT AD 2.5 Passenger Facilities

|   |                      |   |
|---|----------------------|---|
| 1 | Hotels               | In the city Taldykorgan   |
| 2 | Restaurants          | At AD   |
| 3 | Transportation       | Taxis   |
| 4 | Medical facilities   | Aid post at airport Terminal, ambulance service, hospitals in Taldykorgan |
| 5 | Bank and Post Office | In the city Taldykorgan   |
| 6 | Tourist Office       | In the city Taldykorgan   |
| 7 | Remarks              | Nil   |

## UAAT AD 2.6 Rescue And Fire Fighting Services

|   |   |  |
|---|---|--|
| 1 | AD category for fire fighting               | CAT A6   |
| 2 | Rescue equipment                            | 2 fire fighting machines - volume 8,5 t each<br>1 fire fighting machine - volume 7,5 t   |
| 3 | Capability for removal of disabled aircraft | Crane QY-12 on request in 2 hours, tow bar, axle jack with a range from 5 up to 10 tons, metal plate to remove aircraft types YAK-40, L-410 from RW<br>Phone: +7 (7282) 411809 |
| 4 | Remarks                                     | Nil  |

## UAAT AD 2.7 Seasonal Availability - Clearing

|   |                             |  |
|---|-----------------------------|--|
| 1 | Types of clearing equipment | Tractor (MTZ 82) for cleaning snow with a brush and a blade - 3, Truck (KAMAZ MD 532) with a brush and a blade - 1 |
| 2 | Clearance priorities        | 1. RWY<br>2. TWY<br>3. Stands  |
| 3 | Remarks                     | Nil  |

## UAAT AD 2.8 Aprons, Taxiways And Check Locations/Positions Data

|   |   |   |           |            |                |
|---|---|---|-----------|------------|----------------|
| 1 | Apron surface and strength                  | STANDS  |           | SURFACE    | STRENGTH       |
|   |   | 2-4   |           | CONC+ASPH  | PCN 8/F/C/Y/T  |
|   |   | 5, 6, 52-56   |           | CONC+ASPH  | PCN 32/F/C/X/T |
| 2 | Taxiway width, surface and strength         | TWY   | WIDTH (M) | SURFACE    | STRENGTH       |
|   |   | 1   | 20        | REINF CONC | PCN 42/R/A/X/T |
|   |   | 2   | 20        | REINF CONC | PCN 42/R/A/X/T |
|   |   | 3   | 20        | REINF CONC | PCN 42/R/A/X/T |
|   |   | 4   | 20        | REINF CONC | PCN 42/R/A/X/T |
|   |   | 5   | 20        | REINF CONC | PCN 42/R/A/X/T |
|   |   | 12  | 20        | CONC       | PCN 42/R/A/X/T |
|   |   | 13  | 20        | CONC       | PCN 42/R/A/X/T |
|   |   | MAIN 1  | 20        | REINF CONC | PCN 42/R/A/X/T |
| 3 | Altimeter checkpoint location and elevation | Nil   |           |            |                |
| 4 | VOR checkpoints                             | Nil   |           |            |                |
| 5 | INS checkpoints                             | Nil   |           |            |                |
| 6 | Remarks                                     | Tax of ACFT with wing span more than 24M via TWY 1 after follow-me car only.<br>Taxiing of civil aviation aircraft only via TWY 1 |           |            |                |

## UAAT AD 2.9 Surface Movement Guidance And Control System And Markings

|   |   |  |
|---|---|--|
| 1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands | Guidance sign board at entrance of RWYs, guidance sign designating taxiways  |
| 2 | RWY and TWY markings and LGT  | Markings of threshold, touchdown zones, centre line, fixed distance markers, RWY sides, RWY designations, taxi holding positions, taxiway centre lines |
| 3 | Stop bars   | Nil  |
| 4 | Other runway protection measures  | Nil  |
| 5 | Remarks   | Nil  |

## UAAT AD 2.10 Aerodrome Obstacles

NIL

## UAAT AD 2.11 Meteorological Information Provided

|   |   |   |
|---|---|---|
| 1 | Associated MET Office                                       | Meteorological service Taldykorgan<br>Phone: +7 (7282) 240542     |
| 2 | Hours of service MET Office outside hour                    | HO (AD OPR HR: see NOTAM)   |
| 3 | Office responsible for TAF preparation: Periods of validity | Meteorological service Taldykorgan, 9 HR (0209, 0312, 0615, 0918) |
| 4 | Trend forecast Interval of issuance                         | TREND 30 min  |
| 5 | Briefing/consultation provided                              | Personal consultation (Russian)                                   |

|    |  |  |
|----|--|--|
| 6  | Flight documentation/languages used                            | TAF, METAR, SPECI, SIGMET, GAMET, AIRMET<br>English  |
| 7  | Charts and other information AVBL for briefing or consultation | S, U85, U70, U50, U40, U30, U25, U20, prognostic charts of wind and temperature at flight levels (FL), max wind, T, prognostic charts P85, P70, P50, P40, P30, P25, P20, SWH, SWM of WAFC, SWM+SWH, SWL of Kazakhstan; |
| 8  | Supplementary equipment AVBL for providing information         | Nil  |
| 9  | ATS units provided with information                            | Briefing, TWR  |
| 10 | Additional information   | Nil  |

## UAAT AD 2.12 Runway Physical Characteristics

| Designations<br>RWY<br>NR | TRUE BRG | Dimensions<br>of<br>RWY (M) | Strength<br>(PCN) and<br>surface of<br>RWY and<br>SWY | THR<br>coordinates<br>RWY end<br>coordinates<br>THR geoid<br>undulation | THR<br>elevation and<br>highest<br>elevation of<br>TDZ of<br>precision<br>APP RWY | Slope of<br>RWY-SWY               |
|---------------------------|----------|-----------------------------|---|---|---|-----------------------------------|
| 1                         | 2        | 3                           | 4   | 5   | 6   | 7                                 |
| 02                        | 26,16°   | 3000 X 50                   | 42/R/A/X/T<br>REINF/CONC                              | 450637.79N<br>0782603.77E<br>-<br>-159.6 FT                             | THR 1926.1<br>FT  | THR 02: 0.2%<br>THR 20: -<br>0.2% |
| 20                        | 206,17°  | 3000 X 50                   | 42/R/A/X/T<br>REINF/CONC                              | 450804.99N<br>0782704.28E<br>-<br>-159.9 FT                             | THR 1944.1<br>FT  |                                   |

| SWY<br>dimensions<br>(M) | CWY<br>dimensions<br>(M) | Strip<br>dimensions<br>(M) | RESA<br>dimensions<br>(M) | Location and<br>description<br>of arresting<br>system | OFZ | Remarks  |
|--------------------------|--------------------------|----------------------------|---------------------------|---|-----|--|
| 8                        | 9                        | 10                         | 11                        | 12  | 13  | 14   |
| Nil                      | 200 X 150                | 3300 X 300                 | 90 X 160                  | Nil   | Nil | Turn Pad LEN<br>132 m, the total<br>width of the turn<br>pad and runway<br>100 m.<br>REF.AD<br>2.12.14 |
| Nil                      | 200 X 150                | 3300 X 300                 | 90 X 160                  | Nil   | Nil | Turn Pad LEN<br>102 m, the total<br>width of the turn<br>pad and runway<br>86 m.<br>REF.AD<br>2.12.14  |

## UAAT AD 2.13 Declared Distances

| RWY Designator | TORA (M) | TODA (M) | ASDA (M) | LDA (M) | Remarks |
|----------------|----------|----------|----------|---------|---------|
| 1              | 2        | 3        | 4        | 5       | 6       |
| 02             | 3000     | 3200     | 3000     | 3000    | Nil     |
| 20             | 3000     | 3200     | 3000     | 3000    | Nil     |

## UAAT AD 2.14 Approach And Runway Lighting

| RWY Designator | APCH LGT type, LEN, INTST | THR LGT colour, WBAR | VASIS, (MEHT), PAPI | TDZ, LGT LEN | RWY Centre Line LGT Length, spacing, colour, INTST | RWY edge LGT LEN, spacing, colour, INTST        | RWY End LGT colour, WBAR | SWY LGT LEN, colour | Remarks |
|----------------|---------------------------|----------------------|---------------------|--------------|--|---|--------------------------|---------------------|---------|
| 1              | 2                         | 3                    | 4                   | 5            | 6  | 7   | 8                        | 9                   | 10      |
| 02             | (HIALS) 900 M LIH         | GRN Nil              | PAPI LEFT/3°        | Nil          | Nil  | 3000m, white, spacing 60m, last 600m yellow LIH | RED Nil                  | Nil                 | Nil     |
| 20             | (HIALS) 900 M LIH         | GRN Nil              | PAPI LEFT/3°        | Nil          | Nil  | 3000m, white, spacing 60m, last 600m yellow LIH | RED Nil                  | Nil                 | Nil     |

## UAAT AD 2.15 Other Lighting, Secondary Power Supply

|   |  |   |
|---|--|---|
| 1 | ABN/IBN location, characteristics and hours of operation | Nil   |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | LDI: Nil<br>Anemometer: 500m from RWY 02 to ARP, 290m from RWY 20 to ARP  |
| 3 | TWY edge and centre line lighting                        | TWY 1 EDGE: BLU<br>TWY 2 EDGE: BLU<br>TWY 3 EDGE: BLU<br>TWY 4 EDGE: BLU<br>TWY 5 EDGE: BLU<br>TWY 12 EDGE: BLU<br>TWY 13 EDGE: BLU<br>TWY MAIN 1 EDGE: BLU |
| 4 | Secondary power supply/switch-over time                  | AVBL, 15 sec  |
| 5 | Remarks  | Nil   |

## UAAT AD 2.16 Helicopter Landing Area

NIL

## UAAT AD 2.17 ATS Airspace

|   |                                   |  |
|---|-----------------------------------|--|
| 1 | Designation and lateral limits    | TALDYKORGAN CTR<br>453350N 0782923E - 452101N 0785544E - 444354N 0781934E<br>- 445634N 0775324E - 453350N 0782923E |
| 2 | Vertical limits                   | 7000 FT ALT / GND  |
| 3 | Airspace classification           | C  |
| 4 | ATS unit call sign<br>Language(s) | TALDYKORGAN TOWER EN<br>TALDYKORGAN VYSHKA RU  |
| 5 | Transition altitude               | 10000 FT   |
| 6 | Hours of applicability            | See NOTAM  |
| 7 | Remarks                           | Nil  |

## UAAT AD 2.18 ATS Communication Facilities

| Service designation | Call sign   | Frequency | SATVOICE number(s) | Logon address | Hours of operation | Remarks     |
|---------------------|---|-----------|--------------------|---------------|--------------------|-------------|
| 1                   | 2   | 3         | 4                  | 5             | 6                  | 7           |
| TWR                 | TALDYKORGAN TOWER (EN)<br>TALDYKORGAN VYSHKA (RU) | 127,3 MHZ | Nil                | Nil           | See NOTAM          | VDF<br>AVBL |

## UAAT AD 2.19 Radio Navigation And Landing Aids

| Type of aid, MAG VAR, ILS Classification, Type of supported OP (for VOR/ILS/MLS, give declination) | ID  | Frequency, Channel number | Hours of operation | Position of transmitting antenna coordinates | Elevation of DME transmitting antenna | Service volume radius from the GBAS reference point | Remarks |
|--|-----|---------------------------|--------------------|--|---------------------------------------|---|---------|
| 1  | 2   | 3                         | 4                  | 5  | 6                                     | 7   | 8       |
| DVOR/DME (5°E/2014)  | TDK | 116,1 MHZ<br>CH 108X      | H24                | 450622.3N 0782547.6E                         | 2000 FT                               | Nil   | Nil     |

## UAAT AD 2.20 Local Aerodrome Regulations

NIL

## UAAT AD 2.21 Noise Abatement Procedures

NIL

## UAAT AD 2.22 Flight Procedures

### 1. Flight and ground movement procedures.

For civil aviation aircraft, the stands 2, 3, 4, 5, 6, 52, 53,54, 55, 56 are used. Aircraft taxiing-in from the runway to the stands is carried out under own engines power only on taxiway 1.

The leading of aircraft is carried out by the airport aerodrome service behind the follow me car. The leading of aircraft is carried out when visibility is less than 550 m, or in cases of lack of visibility, marking lines for aircraft movement and special transport (due to snow cover or for other reasons), as well as at the request of the crew.

Taxiing with visibility 2000 m or less, as well as at night, is carried out with the aeronautical lights and headlights. Aeronautical lights must be turned on from the moment starting engines to their stop.

**2. Aerodrome operation in conditions of limited visibility**

Operations carried out in conditions of limited visibility are applied when the RVR is less than 550 meters, when the entire maneuvering area or part of it is not visually controlled from the TWR.

Aircraft taxiing-in for take off, is led by follow me car from the stands to the holding position. Taxiing-in to the apron after the release of the runway is carried out after follow me car. Aircraft taxiing-in to the stands is carried out under the instruction of the meeting person.

Movement on the aerodrome in conditions of limited visibility is carried out at a reduced speed with the maximum circumspection. When visibility is less than 50 m, if there is ice on the apron and the stands, the movement of all types of vehicles at the aerodrome is prohibited.

**3. VFR procedures within the aerodrome control zone (CTR)**

All VFR flights within the boundaries of the control zone are carried out at an absolute altitude of at least 7000 feet, unless otherwise authorized by the «TOWER» ATC unit.

Absolute flight altitudes are assigned by the air traffic controller "Tower" without taking into account artificial obstacles. Aircraft crews are responsible for avoiding artificial obstacles. At Taldykorgan aerodrome holding patterns are established at an absolute altitude to await the VFR approach order for the landing of category «A» aircraft and helicopters. The holding patterns (left/right turns) to be used are determined and reported to the aircraft crew by «TOWER» ATC unit. Exit to the final leg, crossing the runway course shall be made only with the permission of the «TOWER» ATC unit.

VFR transit flights through the control zone of Taldykorgan are carried out along the route via control points and at altitudes agreed with the «TOWER» ATC unit.

Depending on the air or meteorological situation, the «TOWER» ATC unit, uses other visual landmarks for arrival, departure, overflight and waiting for aircraft, if necessary.

**Visual Reference Points of VFR flights within Taldykorgan CTR**

| No | Name   | Type     | Location  | Geographic coordinates | DVOR/DME «TDK» radial and distance |
|----|--------|----------|---|------------------------|------------------------------------|
| 1  | MIKE   | waypoint | Intersection of a road and a river, Southwestern edge of the settlement Mukanshi      | 445220N<br>0780209E    | 225° / 21,9 NM                     |
| 2  | SIERRA | waypoint | Meander (bend) of the riverbed Karatal, Northwestern edge of the settlement Sarybulak | 450525N<br>0780157E    | 262° / 16,9 NM                     |
| 3  | DELTA  | waypoint | Meander (bend) of a riverbed, Southeastern edge of the settlement Kokdala             | 451330N<br>0780945E    | 297° / 13,4 NM                     |
| 4  | INDIA  | waypoint | Bend of a road at the straight angle, Northwest of a pond                             | 451950N<br>0781552E    | 328° / 15,2 NM                     |
| 5  | PAPA   | holding  | Intersection of a road and a river  | 450855N<br>0782127E    | 305° / 4 NM                        |
| 6  | YANKEE | holding  | Y-shaped road intersection, East of a pond  | 450223N<br>0782808E    | 152° / 4,3 NM                      |
| 7  | ALPHA  | holding  | The «Almaly» reservoir  | 450809N<br>0783218E    | 064° / 4,9 NM                      |
| 8  | BRAVO  | waypoint | Eastern edge of the settlement Karabulak  | 445502N<br>0783025E    | 159° / 11,8 NM                     |
| 9  | KILO   | waypoint | Northern edge of the settlement Koshkental  | 451313N<br>0784808E    | 061° / 17,2 NM                     |

| №  | Name  | Type     | Location  | Geographic coordinates | DVOR/DME «TDK» radial and distance |
|----|-------|----------|---|------------------------|------------------------------------|
| 10 | TANGO | waypoint | Road bend A-3 (A-350), Eastern edge of the settlement Aktogan | 452357N<br>0784942E    | 039° / 24,4 NM                     |

## UAAT AD 2.23 Additional Information

### 1. Accepted exceptions, exemptions and restrictions in aerodrome certificate.

| Regulatory reference | Requirement of regulations | Description of exceptions, exemptions and restrictions | Measures taken and validity period |
|----------------------|----------------------------|--|------------------------------------|
| Nil                  | Nil                        | Nil  | Nil                                |

### 2. Ornithological situation in the aerodrome area.

The flights of birds occur in flocks from several dozen to several hundred from the south-west to the north, north-east, during the period of snowmelt and plowing of fields there is a massive flight through the runway.

Periods of seasonal migrations are characterized by intensive directional round-the-clock flight of birds, usually in large numbers and at considerable altitudes. Migration mainly occurs from mid-March to mid-May and from mid-September to late November, round-the-clock.

#### The main measures for the ornithological support of flights

- Periodic bird scaring (shoot-off is done).
- During the flight period, a bioacoustic installation is activated to scare away birds.
- Take off and landing is made with the switched on headlights.

The visual observation of the bird flights is carried out by the air traffic controller of control point "Tower", simultaneously with the observations of the take-off and landing of the aircraft (only during daylight hours). In the case of a dangerous ornithological situation, the air traffic controller of control point Tower informs the crew about the presence of birds in the direction of take-off and landing.

## UAAT AD 2.24 Charts Related To An Aerodrome

| Name  | Page                |
|---|---------------------|
| Aerodrome Chart ICAO                                  | UAAT AD 2.24.1-1    |
| Aerodrome Ground Movement and Parking Chart ICAO      | UAAT AD 2.24.3-1    |
| Area Chart ICAO                                       | UAAT AD 2.24.6-1    |
| Standard Departure Chart Instrument (SID) RWY 02 ICAO | UAAT AD 2.24.7-1-1  |
| Standard Departure Chart Instrument (SID) RWY 20 ICAO | UAAT AD 2.24.7-2-1  |
| Standard Arrival Chart Instrument (STAR) RWY 02 ICAO  | UAAT AD 2.24.9-1-1  |
| Standard Arrival Chart Instrument (STAR) RWY 20 ICAO  | UAAT AD 2.24.9-2-1  |
| ATC Surveillance Minimum Altitude Chart ICAO          | UAAT AD 2.24.10-1   |
| Instrument Approach Chart – VOR/DME - Y RWY 02 ICAO   | UAAT AD 2.24.11-1-1 |
| Instrument Approach Chart – VOR/DME - Y RWY 20 ICAO   | UAAT AD 2.24.11-2-1 |
| Instrument Approach Chart – VOR/DME - Z RWY 02 ICAO   | UAAT AD 2.24.11-3-1 |
| Instrument Approach Chart – VOR/DME - Z RWY 20 ICAO   | UAAT AD 2.24.11-4-1 |
| Visual Approach chart – ICAO                          | UAAT AD 2.24.12-1   |
| VFR Departure/Arrival Chart                           | UAAT AD 2.24.14-1   |

**UAAT AD 2.25 Visual segment surface (VSS) penetrations**

No penetrations

THIS PAGE INTENTIONALLY LEFT BLANK