

**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 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 040013 Taldykorgan, Airport, JSC "Zhetysu Aircompany" Republic of Kazakhstan Phone: +7 (7282) 411819 Fax: +7 (7282) 271850 AFS: UAATJTUX 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 Phone: +7 (7282) 411809
4	AIS Briefing Office	HO
5	ATS Reporting Office (ARO)	HO Phone: +7 (727) 2573756 Phone: +7 (7282) 411809 AFS: UAATZTZX
6	MET Briefing Office	HO Phone: +7 (7282) 240542
7	ATS	See NOTAM
8	Fuelling	HO Phone: +7 (7282) 411820
9	Handling	Phone: +7 (7282) 411809
10	Security	H24 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 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 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 2. TWY 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. 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 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 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 RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
02	26,16°	3000 X 50	42/R/A/X/T REINF/CONC	450637.79N 0782603.77E - -159.6 FT	THR 1926.1 FT	THR 02: 0.2% THR 20: - 0.2%
20	206,17°	3000 X 50	42/R/A/X/T REINF/CONC	450804.99N 0782704.28E - -159.9 FT	THR 1944.1 FT	

SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M)	Location and description of arresting 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 132 m, the total width of the turn pad and runway 100 m. REF.AD 2.12.14
Nil	200 X 150	3300 X 300	90 X 160	Nil	Nil	Turn Pad LEN 102 m, the total width of the turn pad and runway 86 m. REF.AD 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 Anemometer location and LGT	LDI: Nil Anemometer: 500m from RWY 02 to ARP, 290m from RWY 20 to ARP
3	TWY edge and centre line lighting	TWY 1 EDGE: BLU TWY 2 EDGE: BLU TWY 3 EDGE: BLU TWY 4 EDGE: BLU TWY 5 EDGE: BLU TWY 12 EDGE: BLU TWY 13 EDGE: BLU 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 453350N 0782923E - 452101N 0785544E - 444354N 0781934E - 445634N 0775324E - 453350N 0782923E
2	Vertical limits	7000 FT ALT / GND
3	Airspace classification	C
4	ATS unit call sign Language(s)	TALDYKORGAN TOWER EN 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) TALDYKORGAN VYSHKA (RU)	127,3 MHZ	Nil	Nil	See NOTAM	VDF 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 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 0780209E	225° / 21,9 NM
2	SIERRA	waypoint	Meander (bend) of the riverbed Karatal, Northwestern edge of the settlement Sarybulak	450525N 0780157E	262° / 16,9 NM
3	DELTA	waypoint	Meander (bend) of a riverbed, Southeastern edge of the settlement Kokdala	451330N 0780945E	297° / 13,4 NM
4	INDIA	waypoint	Bend of a road at the straight angle, Northwest of a pond	451950N 0781552E	328° / 15,2 NM
5	PAPA	holding	Intersection of a road and a river	450855N 0782127E	305° / 4 NM
6	YANKEE	holding	Y-shaped road intersection, East of a pond	450223N 0782808E	152° / 4,3 NM
7	ALPHA	holding	The «Almaly» reservoir	450809N 0783218E	064° / 4,9 NM
8	BRAVO	waypoint	Eastern edge of the settlement Karabulak	445502N 0783025E	159° / 11,8 NM
9	KILO	waypoint	Northern edge of the settlement Koshkental	451313N 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 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

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