

UAAH 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

UAAH AD 2.1 Aerodrome Location Indicator And Name

UAAH - BALKHASH

UAAH AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	465339N 0750016E At the centre of RWY
2	Direction and distance from (city)	21°, 3.8NM of Balkhash center
3	Elevation/Reference temperature	1447 FT/27° C
4	Geoid undulation at AD ELEV PSN	-149 FT
5	MAG VAR/Annual Change	7° E (2023) / 0.02°
6	AD Administration, address, telephone, telefax, telex, e-mail address, AFS, website address	Post: Authority of Airport "Balkhash Airport - a branch of Zhezkazgan Air JSC", Parkovaya str., 8/1 building, 100300 Balkhash, Republic of Kazakhstan Phone: +7 (71036) 58986 Phone: +7 (71036) 58248 Phone: +7 (71036) 58200 Phone: +7 (71036) 77849 AFS: UAAHAPDU Email: balhash_air_port@mail.ru
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Joint aerodrome with state aviation

UAAH AD 2.3 Operational Hours

1	AD Operator	ANY 04:00 - 13:00 UTC
2	Customs and immigration	Nil
3	Health and sanitation	ANY 04:00 - 13:00 UTC
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	ANY 04:00 - 13:00 UTC
6	MET Briefing Office	HO Phone: +7 (71036) 40401
7	ATS	ANY 04:00 - 13:00 UTC Phone: +7 (71036) 40720
8	Fuelling	ANY 04:00 - 13:00 UTC
9	Handling	ANY 04:00 - 13:00 UTC
10	Security	H24 Phone: +7 (71036) 58200
11	De-icing	Nil
12	Remarks	Nil

UAAH AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	Nil
2	Fuel/oil types	TS-1, RT
3	Fuelling facilities/capacity	1 tanker (7500 liters)
4	De-icing facilities	AVBL
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

UAAH AD 2.5 Passenger Facilities

1	Hotels	City hotel
2	Restaurants	In the city Balkhash
3	Transportation	Taxis
4	Medical facilities	Aid post at Airport Terminal, ambulance service, hospitals in the city Balkhash
5	Bank and Post Office	In the city Balkhash
6	Tourist Office	In the city Balkhash
7	Remarks	Nil

UAAH AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A4
2	Rescue equipment	2 fire trucks with a total capacity of the fire extinguishing composition of 12100 liters
3	Capability for removal of disabled aircraft	Pneumatic-wheeled jib crane with a lifting capacity of up to 15 tons Kamaz - 43118, Tractor Kamaz - 43114, Towing drivers for types of aircraft: Yak-40, AN-24, L-410
4	Remarks	Nil

UAAH AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	1 rotors, 1 tractor, 4 plow and brush equipment, 1 heat engine
2	Clearance priorities	1. RWY 2. TWY 3. Stands
3	Remarks	(Seasonal availability: All seasons, caution advised in winter during snow conditions)

UAAH AD 2.8 Aprons, Taxiways And Check Locations/Positions Data

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1-9		CONC+ASPH	PCN 11/R/A/X/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		1	23 M	CONC	PCN 45/R/A/X/T
		2	21 M	CONC+ASPH	PCN 13/R/A/X/T
		3	20 M	CONC	PCN 45/R/A/X/T
		4	20 M	CONC	PCN 45/R/A/X/T
		MAIN from TWY 1 to TWY 2	23 M	CONC	PCN 45/R/A/X/T
		MAIN from TWY 2 to TWY 4	20 M	CONC	PCN 45/R/A/X/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

UAAH 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 thresholds, touchdown zones, centre line, fixed distance markers, RWY edges, RWY designations, taxi holding positions, taxiway centre lines
3	Stop bars	Nil
4	Other runway protection measures	Nil
5	Remarks	Nil

UAAH AD 2.10 Aerodrome Obstacles

NIL

UAAH AD 2.11 Meteorological Information Provided

1	Associated MET Office	Meteorological service Balkhash Phone: +7 (71036) 40401
2	Hours of service MET Office outside hour	HO
3	Office responsible for TAF preparation: Periods of validity	Meteorological service Balkhash, 9 HR (0312, 0615, 0918, 1221)
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

UAAH AD 2.12 Runway Physical Characteristics

Designation s RWY NR	TRUE BRG	Dimension s 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
04	51.82°	2503 X 42	45/R/A/X/T/ CONC	465314.28N 0745929.84E - -149.3 FT	THR 1384.8 FT	Nil
22	231.84°	2503 X 42	45/R/A/X/T/ CONC	465404.38N 0750102.81E - -149.3 FT	THR 1446.5 FT	Nil

SWY dimensions (M)	CWY dimension s (M)	Strip dimensions (M)	RESA dimensions (M)	Location and description of arresting system	OFZ	Remarks
8	9	10	11	12	13	14
Nil	400 X 160	2803 X 300	250 X 150	Nil	Nil	Nil
Nil	400 X 160	2803 X 300	210 X 150	Nil	Nil	Nil

UAAH AD 2.13 Declared Distances

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
04	2503	2903	2503	2503	Nil
22	2503	2903	2503	2503	Nil

UAAH 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, colou r	Remarks
1	2	3	4	5	6	7	8	9	10
04	CAT I (PALS) 900 M LIH	GRN Nil	PAPI LEFT/3°	Nil	Nil	2503m, spacing 60m, 0-1903m white, last 600m yellow	RED Nil	Nil	Control of light-signal equipment of the magnetic course 45/ 225 from the control panel of the control tower of the state aviation on the command of the Civil aviation controller (radio and telephone communic ations)
22	CAT I (PALS) 900 M LIH	GRN Nil	PAPI LEFT/3°	Nil	Nil	2503m, spacing 60m, 0-1903m white, last 600m yellow	RED Nil	Nil	

UAAH AD 2.15 Other Lighting, Secondary Power Supply

1	ABN/IBN location, characteristics and hours of operation	ABN: Nil IBN: Nil
2	LDI location and LGT Anemometer location and LGT	LDI: Nil
3	TWY edge and centre line lighting	TWY 1 EDGE: BLU TWY 3 EDGE: BLU TWY 4 EDGE: BLU TWY MAIN EDGE: BLU
4	Secondary power supply/switch-over time	AVBL, 15 sec
5	Remarks	Secondary power supply to the state aviation control tower.

UAAH AD 2.16 Helicopter Landing Area

NIL

UAAH AD 2.17 ATS Airspace

1	Designation and lateral limits	BALKHASH CTR A circle radius 20 NM centered on 465259N 0745902E
2	Vertical limits	4000 FT ALT / GND

3	Airspace classification	C
4	ATS unit call sign Language(s)	BALKHASH TOWER EN BALKHASH VYSHKA RU
5	Transition altitude	10000 FT
6	Hours of applicability	ANY 04:00 - 13:00 UTC
7	Remarks	Nil

UAAH 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	BALKHASH TOWER (EN) BALKHASH VYSHKA (RU)	128 MHZ	Nil	Nil	ANY 04:00 - 13:00 UTC	Nil
ATIS	BALKHASH ATIS (EN) BALKHASH ATIS (RU)	126,6 MHZ 126,2 MHZ	Nil	Nil	As AD	ATIS information is being updated during AD working hours. Outside AD working hours ATIS information is not updated.

UAAH 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 (7°E/2020)	BLH	113.7 MHZ CH 84X	H24	465259.1N 0745901.7E	1400 FT	Nil	Nil

UAAH AD 2.20 Local Aerodrome Regulations

NIL

UAAH AD 2.21 Noise Abatement Procedures

NIL

UAAH AD 2.22 Flight Procedures

1. Flight and ground movement procedures.

Commencement of the low visibility procedures shall be passed to all interested persons and services via radio or loudspeaker communication by air traffic controller phrase: "LOW VISIBILITY PROCEDURES IN OPERATION".

Low Visibility Procedures (LVP) are effected when RVR is less than 400 m.

Tower controller managing the movement of aircraft on the airfield in low visibility conditions is responsible for the information on the relative positions of aircraft.

Tower controller gives clearance for departure only if it has reliable information about the absence of obstructions on the runway. Taxiing of the aircraft along the apron during low visibility conditions shall be carried out:

- with the utmost discretion, at speed, to ensure safe aircraft stop;
- from stands to holding position after follow-me car.

The control of vehicle traffic during the operation of the aerodrome in low visibility conditions is carried out in accordance with the rules of conducting radio communication with all parties, organizes and supervises the execution of works on the airfield, as well as the drivers of vehicles and aerodrome facilities.

Persons carrying out such work, as well as the drivers of vehicles and aerodrome facilities must:

- maintain a continuous common aerodrome frequency within the aerodrome;
- when working on the airstrip, taxiway areas adjacent to it and the platform, constantly listen to the radio at a frequency of "Tower" Control centre;
- conduct all movement on the road and airport facilities with the utmost discretion.

Listening of common aerodrome frequency is made for receiving instructions on the order of movement on the airfield and traffic information of ground vehicles and aircraft in low visibility conditions.

The interaction between Aerodrome aviation security service and ATM service of RC "Balkhash". During the flight (for take-offs and landings) in the daytime in conditions of low visibility and at night, inspection of the out of Tower controller's sight sections of the runway makes using a special vehicle, having radio- and lightning equipment for the absence of obstacles and the suitability of the airfield to fly. Report on the completion and results of the inspection, "The RWY is clear (occupied), the airfield is suitable (unsuitable) for flight" - made after the liberation of the strip, no later than 5 minutes prior to the estimated (adjusted) landing time or just before take-off.

Helicopter take-off and landing shall be carried out from/to RWY, from/to landing pad military unit 53898, and from/to intersection of TWY 2 and MTWY.

2. VFR procedures within the aerodrome control zone (CTR)

Air traffic service in the control zone of the aerodrome is carried out by the controller of the "Tower" ATC unit. Flight altitudes are calculated by the aircraft crew in accordance with the Civil Aviation Flight Rules of the Republic of Kazakhstan. The functions of Air traffic service does not include ground collision avoidance. The aircraft crew shall ensure that the clearance issued by the ATS unit in this regard is safe. VFR flights at altitudes below 4000 feet in the control zone are performed at the altitudes indicated in the flight plan or requested by the aircraft crew.

Flights must not be performed over populated areas within the control zone.

For VFR flights, the aerodrome has a flight circle (left / right) at an altitude of 3000 feet. The air traffic controller of the "Tower" ATC unit is determine and report which flight circle is in use.

Entering the flight circle, crossing the runway alignment is made only with the permission of the air traffic controller of the "Tower" ATC unit.

The aircraft crew preliminarily agrees with the ATS unit the flight area and altitude range during aerial work in

the control zone at absolute altitudes.

When entering the control zone (CTR) from uncontrolled airspace, the aircraft crew must obtain an air traffic control clearance 5 minutes before the estimated time of entering the controlled airspace.

Entry / exit of aircraft of category A and helicopters flying in VFR to / from the control zone (CTR) is carried out at the shortest distance through the corresponding point.

If the air situation requires the holding procedure, the air traffic controller of the “Tower” ATC unit gives the instructions to the aircraft crew to follow to one of the holding points.

№	Waypoint name (visual reference)	Geographical coordinates	Radial (mag.) and distance from NAVAID (ARP)	Remarks
1	TANGO	N470731 E0751908	036° 20.0 nm BLH DVOR/DME	Entry/exit
2	OSCAR (NE side of Orta Deresin, visual reference – railway)	N464757 E0752715	098° 20.0 nm BLH DVOR/DME	Entry/exit
3	ROMEO (Southern side of Orta Deresin)	N464152 E0752315	117° 20.0 nm BLH DVOR/DME	Entry/exit
4	ALPHA (direction to/from Gulshat, visual reference – M36 highway)	N464452 E0743225	239° 20.0 nm BLH DVOR/DME	Entry/exit
5	BRAVO (direction to/from Kokdombak rail junction, visual reference – railway)	N465354 E0742953	266° 20.0 nm BLH DVOR/DME	Entry/exit
6	DELTA (direction to/from Bektau-Ata mountain, visual reference – M-36 highway)	N471206 E0745028	336° 20.0 nm BLH DVOR/DME	Entry/exit
7	ZULU (Northern outskirts of Konyrat)	N465859 E0745921	355° 6.0 nm BLH DVOR/DME	Holding
8	VICTOR (Eastern side of Orta Deresin station)	N464932 E0751509	100° 11.6 nm BLH DVOR/DME	Holding

UAAH 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

UAAH AD 2.24 Charts Related To An Aerodromem

Name	Page
Aerodrome Chart ICAO	UAAH AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart ICAO	UAAH AD 2.24.3-1
Aerodrome Obstacle Chart – ICAO – Type A	UAAH AD 2.24.4-1
Standard Departure Chart Instrument (SID) RWY 04 ICAO	UAAH AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) RWY 22 ICAO	UAAH AD 2.24.7-2-1
Standard Arrival Chart Instrument (STAR) RWY 04 ICAO	UAAH AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) RWY 22 ICAO	UAAH AD 2.24.9-2-1
ATC Surveillance Minimum Altitude Chart ICAO	UAAH AD 2.24.10-1
Instrument Approach Chart – VOR/DME RWY 04 ICAO	UAAH AD 2.24.11-1-1
Instrument Approach Chart – VOR/DME RWY 22 ICAO	UAAH AD 2.24.11-2-1
Visual Approach chart – ICAO	UAAH AD 2.24.12-1
VFR Departure/Arrival Chart	UAAH AD 2.24.14-1

THIS PAGE INTENTIONALLY LEFT BLANK