

**UAAL AD 2**

Note: The following sections in this chapter are intentionally left blank: AD-2.10, AD-2.14, AD-2.16, AD-2.20, AD-2.21

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

UAAL - USHARAL

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

1	ARP coordinates and site at AD	461127N 0804947E At the centre of RWY
2	Direction and distance from (city)	4.3 NM west of Usharal
3	Elevation/Reference temperature	1295 FT/ 10° C
4	Geoid undulation at AD ELEV PSN	-164 FT
5	MAG VAR/Annual Change	5° E ( 2022 )/0.01°
6	AD Administration, address, telephone, telefax, telex, e-mail address, AFS, website address	Post: Authority of Airport JSC "Zhetysu Aircompany", Usharal, Republic of Kazakhstan  Phone: +7 (7282) 411819
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

**UAAL AD 2.3 Operational Hours**

1	AD Operator	See NOTAM
2	Customs and immigration	Nil
3	Health and sanitation	Phone: +7 (72833) 34820
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	Nil
6	MET Briefing Office	Nil
7	ATS	See NOTAM
8	Fuelling	Phone: +7 (72833) 34820
9	Handling	Phone: +7 (72833) 34820
10	Security	Phone: +7 (72833) 34820
11	De-icing	Nil
12	Remarks	Nil

**UAAL AD 2.4 Handling Services And Facilities**

1	Cargo-handling facilities	Nil
2	Fuel/oil types	Nil
3	Fuelling facilities/capacity	Nil
4	De-icing facilities	Nil

5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

### UAAL AD 2.5 Passenger Facilities

1	Hotels	In the city Usharal
2	Restaurants	In the city Usharal
3	Transportation	Taxis
4	Medical facilities	Nil
5	Bank and Post Office	In the city Usharal
6	Tourist Office	Nil
7	Remarks	Nil

### UAAL AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A5
2	Rescue equipment	Rescue equipment - 2, fire fighting vehicles - each with a volume of 8.5 tons.
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 (72833) 34820
4	Remarks	Nil

### UAAL AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	Tractor (MTZ 82) for snow cleaning with brush and blade - 1.
2	Clearance priorities	1. RWY 2. TWY 3. Stands
3	Remarks	Nil

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

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1-2		CONC+ASPH	PCN 45/F/C/X/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		2	12	CONC	Nil
		4	14	CONC	Nil
		5	18	CONC	PCN 45/R/A/X/T
		6	18	CONC+ASPH	PCN 45/F/C/X/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			

5	INS checkpoints	Nil
6	Remarks	TWY 2, 4 - Used only by state aviation

**UAAL 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	RWY-09/27 Designation of threshold, touchdown, RWY designation
3	<b>Stop bars</b>	Nil
4	<b>Other runway protection measures</b>	Nil
5	Remarks	Nil

**UAAL AD 2.10 Aerodrome Obstacles**

NIL

**UAAL AD 2.11 Meteorological Information Provided**

1	Associated MET Office	Meteorological service Usharal Phone: +7 (72833) 34810
2	Hours of service MET Office outside hour	HO
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	Nil
8	Supplementary equipment AVBL for providing information	Nil
9	ATS units provided with information	TWR
10	Additional information	Nil

## UAAL 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
09	97.52°	2700 X 45	45/R/A/X/T CONC	461132.67N 0804844.77E - -166 FT	THR 1295 FT	Nil
27	277.54°	2700 X 45	45/R/A/X/T CONC	461121.21N 0805049.65E - -166 FT	THR 1268 FT	Nil

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
400 X 49	400 X 150	3800 X 300	90 X 150	Nil	Nil	Turn Pad LEN 115 m, the total of the turn pad runway 77.5 m. REF AD 2.12.14
400 X 49	400 X 150	3800 X 300	90 X 150	Nil	Nil	The runway turn area is adjacent to taxiway 5 REF AD 2.12.14

## UAAL AD 2.13 Declared Distances

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
09	2700	3100	3100	2700	Nil
27	2700	3100	3100	2700	Nil

## UAAL AD 2.14 Approach And Runway Lighting

NIL

**UAAL 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	Nil
3	TWY edge and centre line lighting	Nil
4	Secondary power supply/switch-over time	Nil
5	Remarks	Nil

**UAAL AD 2.16 Helicopter Landing Area**

NIL

**UAAL AD 2.17 ATS Airspace**

1	<b>Designation and lateral limits</b>	USHARAL CTR 461929N 0803034E - 461541N 0811131E - 460413N 0810915E - 460437N 0810210E - 460436N 0804815E - 460638N 0804005E - 460749N 0802823E - 461929N 0803034E
2	<b>Vertical limits</b>	5000 FT ALT / GND
3	<b>Airspace classification</b>	C
4	<b>ATS unit call sign Language(s)</b>	USHARAL TOWER (EN) USHARAL VYSHKA (RU)
5	<b>Transition altitude</b>	10000 FT
6	<b>Hours of applicability</b>	See NOTAM
7	<b>Remarks</b>	Radar service in the aerodrome area is not provided. In the CTR simultaneously must be no more than one aircraft. In the TMA for IFR flights at the same level (altitude) must be no more than one aircraft

**UAAL 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	USHARAL TOWER (EN) USHARAL VYSHKA (RU)	118.1 MHZ	Nil	Nil	See NOTAM	Nil

## UAAL 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	Frequenc y, Channel number	Hours of operatio n	Position of transmitting antenna coordinates	Elevati on of DME transmi tting antenn a	Service volume radius from the GBAS referenc e point	Re mar ks
1	2	3	4	5	6	7	8
NDB LMM 27	R	380 KHZ	HO	461117.2N 0805133.3E	Nil	Nil	Nil
NDB LMM 09	Ш	380 KHZ	HO	461135.8N 0804811.3E	Nil	Nil	Nil

## UAAL AD 2.20 Local Aerodrome Regulations

NIL

## UAAL AD 2.21 Noise Abatement Procedures

NIL

## UAAL AD 2.22 Flight Procedures

### 1. VFR procedures within the aerodrome control zone (CTR)

All VFR flights within the boundaries of the control zone carried out at an absolute altitude of not more than 5000 feet, unless otherwise authorized by the air traffic controller of the «Tower» ATC unit.

Absolute flight altitudes are assigned by the air traffic controller of the «Tower» ATC unit without taking into account artificial obstacles. Aircraft crews are responsible for avoiding artificial obstacles. At Usharal aerodrome, the flight circle (left / right) and 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, flight circle (left/right), and absolute altitude to be used are determined and reported to the aircraft crew by the air traffic controller of the «Tower» ATC unit. Access to the landing straight, crossing the runway alignment is made only with the permission of the air traffic controller of the «Tower» ATC unit

Transit flights according to VFR through the Usharal controlled zone carried out along the air route through visual reference points and at an altitude agreed with the air traffic controller of the «Tower» ATC unit.

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

### Visual Reference Points of VFR flights within Usharal CTR

№	Name	Type	Location	Geographic coordinates
1	BRAVO	waypoint	Bend of a road	461828N 0804129E
2	OSCAR	waypoint	Single building, North of the railway	461705N 0805625E
3	ALPHA	holding	Intersection of the road A-3 (A-350) and a network of riverbeds, North of the settlement Zhanama	461451N 0804938E
4	MIKE	holding	Intersection of a road and the river Tentek, North of the meander (bend)	461423N 0805444E
5	ECHO	holding	Section of the river Shinzhily, South of the settlement Enbekshi	460858N 0804256E

No	Name	Type	Location	Geographic coordinates
6	KILO	holding	Road junction, West of the settlement Karabulak	460817N 0804909E
7	DELTA	waypoint	Single non-residential building, West of the riverbed Shinzhily	460640N 0803945E
8	LIMA	waypoint	Section of a dry riverbed, East of the road A-3 (A-350)	460444N 0804742E
9	TANGO	waypoint	Section of the river Tentek, Northwest of the settlement Yntaly	460437N 0810120E

**UAAL 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

**UAAL AD 2.24 Charts Related To An Aerodrome**

Name	Page
Aerodrome Chart ICAO	UAAL AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart ICAO	UAAL AD 2.24.3-1
Area Chart ICAO	UAAL AD 2.24.6-1
Standard Departure Chart Instrument (SID) RWY 09 ICAO	UAAL AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) RWY 27 ICAO	UAAL AD 2.24.7-2-1
Standard Departure Chart Instrument (SID) RNP RWY 09 ICAO	UAAL AD 2.24.7-3-1
Standard Departure Chart Instrument (SID) RNP RWY 27 ICAO	UAAL AD 2.24.7-4-1
Standard Arrival Chart Instrument (STAR) RWY 09 ICAO	UAAL AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) RWY 27 ICAO	UAAL AD 2.24.9-2-1
Standard Arrival Chart Instrument (STAR) RNP RWY 09 ICAO	UAAL AD 2.24.9-3-1
Standard Arrival Chart Instrument (STAR) RNP RWY 27 ICAO	UAAL AD 2.24.9-4-1
Instrument Approach Chart – NDB - Y RWY 09	UAAL AD 2.24.11-1-1
Instrument Approach Chart – NDB - Y RWY 27 ICAO	UAAL AD 2.24.11-2-1
Instrument Approach Chart – NDB - Z RWY 09	UAAL AD 2.24.11-3-1
Instrument Approach Chart – NDB - Z RWY 27 ICAO	UAAL AD 2.24.11-4-1
Instrument Approach Chart – RNP RWY 09 ICAO	UAAL AD 2.24.11-5-1
Instrument Approach Chart – RNP RWY 27 ICAO	UAAL AD 2.24.11-6-1
Visual Approach chart – ICAO	UAAL AD 2.24.12-1
VFR Departure/Arrival Chart	UAAL AD 2.24.14-1

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

No penetrations

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