
REPUBLIC OF KAZAKHSTAN

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AIRAC AMDT 012/2026

Effective Date: **26 Nov 2026**

1. Amendment content:

GEN

GEN 0.2 - Information updated

GEN 0.3 - Information updated

GEN 0.4 - Information updated

GEN 2.4 - Information updated

GEN 2.5 - Information updated

GEN 2.7 - Information updated

ENR

ENR 2.1 - Information on the language of ATS provision within the BORALDAY TOWER area of responsibility added;
KENDERLI TMA added

ENR 2.2 - Information on the language of ATS provision within the ALMATY Local Control Unit area of responsibility added;
remarks to AKTAU FIC area of responsibility amended

ENR 4.1 - KATON - KARAGAY DVOR/DME (KTN): magnetic variation changed; KENDERLI DVOR/DME (KDN): radio
navigation aid information added

ENR 4.4 - Name-code designators for significant points ARNOM, ASBAG, IDROB, INGOB, OSBAD, RENZU, TOGRU,
RUDIG, GOSKU, RIPIG added

ENR 6 Changes in aeronautical charts

AD

AD 0.6 - Information updated

AD 1.3 - Information updated

AD 1.5 - Aerodrome certificate validity dates updated for UATE, UAUR, UASP

UAAA AD 2.24 - Apron No. 4 changes: stands 42A, 42, 43A, 43, 1, 2 deleted; stands 401, 402A, 406 added

UAUR AD 2.9 - RWY and TWY markings information updated; AD 2.12, 2.13 - Information updated; AD 2.23 - Additional
information added

UAKD AD 2.3, 2.11 - Information updated

UASW AD 2.19 - Radio navigation aid identification changed from IKT to IKN

UATB AD 2 - KENDERLI aerodrome added

UASP AD 2.8, 2.20 - Information updated

UASS AD 2.2 - Information updated

UAAT AD 2.4 - Information updated; AD 2.7 - Clearing equipment information updated

UADD AD 2.4, 2.23 - Information updated

AD 2.24 Changes in aeronautical charts

UATK AD 3 - D ISLAND heliport added

2. Hand corrections to the following pages:

Nil

3. Record entry of amendment in GEN 0.2.

4. This AIP amendment incorporates information contained in the following publications:

NOTAM серии К:

K2155/26, K2156/26, K2157/26, K2158/26, K2171/26, K2172/26, K2173/26, K2245/26

NOTAM серии А:

A5176/26, A5177/26

NOTAM серии С:

C5594/26

NOTAM incorporated to this AMDT will be cancelled by NOTAMC on the 11 DEC 2026

SUP:

007/2026 - Arkalyk Aerodrome (UAUR) - Updated Aerodrome Chart (ICAO) with Aerodrome Markings and Lights

AIC:

Nil

5. Insert / remove the pages as shown in list on the next page:

Insert the following pages

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26 NOV 2026	GEN 0.4 - 3/4	29 OCT 2026
26 NOV 2026	GEN 0.4 - 5/6	29 OCT 2026
26 NOV 2026	GEN 0.4 - 7/8	29 OCT 2026
26 NOV 2026	GEN 0.4 - 9/10	29 OCT 2026
26 NOV 2026	GEN 0.4 - 11/12	29 OCT 2026
26 NOV 2026	GEN 2.4 - 1/2	03 SEP 2026
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26 NOV 2026	AD 2 UAUR ADC 2 24 1 - 1/2	29 OCT 2026
26 NOV 2026	AD 2 UAUR ADC 2 24 11 1 - 1/2	03 SEP 2026
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GEN 0.2 RECORD OF AIP AMENDMENTS

AIRAC AIP AMENDMENT			
<i>NR/Year</i>	<i>Publication date</i>	<i>Effective date</i>	<i>Inserted by</i>
001/2017	16-Feb-2017	30-Mar-2017	
002/2017	13-Apr-2017	25-May-2017	
003/2017	08-Jun-2017	20-Jul-2017	
004/2017	03-Aug-2017	14-Sep-2017	
005/2017	28-Sep-2017	09-Nov-2017	
001/2018	21-Dec-2017	01-Feb-2018	
002/2018	15-Mar-2018	26-Apr-2018	
003/2018	10-May-2018	21-Jun-2018	
004/2018	05-Jul-2018	16-Aug-2018	
005/2018	27-Sep-2018	08-Nov-2018	
001/2019	20-Dec-2018	31-Jan-2019	
002/2019	17-Jan-2019	28-Feb-2019	
003/2019	14-Feb-2019	28-Mar-2019	
004/2019	11-Apr-2019	23-May-2019	
005/2019	06-Jun-2019	18-Jul-2019	
006/2019	12-Sep-2019	07-Nov-2019	
007/2019	24-Oct-2019	05-Dec-2019	
001/2020	05-Dec-2019	30-Jan-2020	
002/2020	12-Mar-2020	23-Apr-2020	
003/2020	04-Jun-2020	16-Jul-2020	
004/2020	16-Jul-2020	10-Sep-2020	
005/2020	08-Oct-2020	03-Dec-2020	
001/2021	14-Jan-2021	25-Feb-2021	
002/2021	08-Apr-2021	20-May-2021	
003/2021	03-Jun-2021	15-Jul-2021	
004/2021	01-Jul-2021	12-Aug-2021	
005/2021	23-Sep-2021	04-Nov-2021	
006/2021	21-Oct-2021	02-Dec-2021	
001/2022	13-Jan-2022	24-Feb-2022	
002/2022	07-Apr-2022	19-May-2022	
003/2022	30-Jun-2022	11-Aug-2022	
004/2022	25-Aug-2022	06-Oct-2022	
005/2022	20-Oct-2022	01-Dec-2022	
001/2023	15-Dec-2022	26-Jan-2023	
002/2023	12-Jan-2023	23-Feb-2023	

AIRAC AIP AMENDMENT			
NR/Year	Publication date	Effective date	Inserted by
003/2023	09-Mar-2023	20-Apr-2023	
004/2023	04-May-2023	15-Jun-2023	
005/2023	29-Jun-2023	10-Aug-2023	
006/2023	24-Aug-2023	05-Oct-2023	
007/2023	21-Sep-2023	02-Nov-2023	
008/2023	19-Oct-2023	30-Nov-2023	
001/2024	14-Dec-2023	25-Jan-2024	
002/2024	08-Feb-2024	21-Mar-2024	
003/2024	04-Apr-2024	16-May-2024	
004/2024	30-May-2024	11-Jul-2024	
005/2024	27-Jun-2024	08-Aug-2024	
006/2024	25-Jul-2024	05-Sep-2024	
007/2024	19-Sep-2024	31-Oct-2024	
001/2025	12-Dec-2024	23-Jan-2025	
002/2025	09-Jan-2025	20-Feb-2025	
003/2025	06-Feb-2025	20-Mar-2025	
004/2025	06-Mar-2025	17-Apr-2025	
005/2025	03-Apr-2025	15-May-2025	
006/2025	01-May-2025	12-Jun-2025	
007/2025	29-May-2025	10-Jul-2025	
008/2025	26-Jun-2025	07-Aug-2025	
009/2025	24-Jul-2025	04-Sep-2025	
010/2025	04-Sep-2025	30-Oct-2025	
011/2025	16-Oct-2025	27-Nov-2025	
001/2026	11-Dec-2025	22-Jan-2026	
002/2026	25-Dec-2025	19-Feb-2026	
003/2026	05-Feb-2026	19-Mar-2026	
004/2026	05-Mar-2026	16-Apr-2026	
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GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR/Year	Subject	AIP Section(s) Affected	Period of Validity	Cancellation Record
004/2024	Atyrau AD (UATG) - use of ILS on RWY 14	UATG AD	From 22-Jul-2024 to 31-Dec-2026	
001/2026	Almaty AD (UAAA) - Aerodrome construction plan 2026-2028	UAAA AD	From 17-Apr-2026 to 31-Mar-2028	
006/2026	Astana AD (UACC) - Airspace classification	UACC AD	From 18-Sep-2026 to 29-Sep-2027	
009/2026	Almaty AD (UAAA) - ILS Category Downgrade	UAAA AD	From 25-Sep-2026 to 25-Sep-2027	

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GEN-0.3 - 1	26 NOV 2026	GEN-0.4 - 7	26 NOV 2026	GEN-0.6 - 1	10 SEP 2020
GEN-0.3 - 2	30 MAR 2017	GEN-0.4 - 8	26 NOV 2026	GEN-0.6 - 2	10 SEP 2020

GEN 1 NATIONAL REGULATIONS AND REQUIREMENTS

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GEN-1.2 - 1	16 MAY 2024	GEN-1.4 - 1	25 FEB 2021	GEN-1.7 - 5	12 AUG 2021
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GEN-1.2 - 3	20 FEB 2025	GEN-1.5 - 1	07 NOV 2019	GEN-1.7 - 7	12 AUG 2021
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GEN-1.2 - 7	11 JUL 2024	GEN-1.7 - 1	12 AUG 2021		
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GEN-2.1 - 3	01 OCT 2026	GEN-2.5 - 3	26 NOV 2026	GEN-2.7 - 15	26 NOV 2026
GEN-2.1 - 4	25 FEB 2021	GEN-2.5 - 4	26 NOV 2026	GEN-2.7 - 16	26 NOV 2026
GEN-2.2 - 1	04 SEP 2025	GEN-2.6 - 1	21 JUN 2018	GEN-2.7 - 17	26 NOV 2026
GEN-2.2 - 2	04 SEP 2025	GEN-2.6 - 2	30 MAR 2017	GEN-2.7 - 18	26 NOV 2026
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GEN-2.2 - 4	04 SEP 2025	GEN-2.7 - 2	26 NOV 2026	GEN-2.7 - 20	26 NOV 2026
GEN-2.2 - 5	04 SEP 2025	GEN-2.7 - 3	26 NOV 2026	GEN-2.7 - 21	26 NOV 2026
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GEN 4 CHARGES FOR AERODROMES/HELIPORTS AND AIR NAVIGATION SERVICES

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ENR-1.3 - 3	06 OCT 2022	ENR-1.8 - 4	03 DEC 2020	ENR-1.12 - 1	03 SEP 2026
ENR-1.3 - 4	06 OCT 2022	ENR-1.8 - 5	03 DEC 2020	ENR-1.12 - 2	03 SEP 2026
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ENR-1.5 - 3	03 DEC 2020	ENR-1.8 - 10	21 MAR 2024	ENR-1.14 - 1	23 APR 2020
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ENR-2.1 - 6	03 SEP 2026	ENR-2.1 - 18	11 JUN 2026	ENR-2.2 - 6	19 FEB 2026
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ENR-2.1 - 10	11 JUN 2026	ENR-2.1 - 22	26 NOV 2026	ENR-2.2 - 10	19 FEB 2026
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ENR-3.1 - 5	16 APR 2026	ENR 3.2.1 - 10	01 OCT 2026	ENR 3.2.1 - 35	01 OCT 2026
ENR-3.1 - 6	16 APR 2026	ENR 3.2.1 - 11	01 OCT 2026	ENR 3.2.1 - 36	01 OCT 2026
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ENR-3.1 - 12	16 APR 2026	ENR 3.2.1 - 17	01 OCT 2026	ENR 3.2.1 - 42	01 OCT 2026
ENR-3.1 - 13	16 APR 2026	ENR 3.2.1 - 18	01 OCT 2026	ENR 3.2.1 - 43	01 OCT 2026
ENR-3.1 - 14	16 APR 2026	ENR 3.2.1 - 19	01 OCT 2026	ENR 3.2.1 - 44	01 OCT 2026
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ENR-3.1 - 16	16 APR 2026	ENR 3.2.1 - 21	01 OCT 2026	ENR 3.2.1 - 46	01 OCT 2026
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ENR 3.2.2 - 4	01 OCT 2026	ENR 3.2.3 - 13	01 OCT 2026	ENR 3.2.6 - 2	01 OCT 2026
ENR 3.2.2 - 5	01 OCT 2026	ENR 3.2.3 - 14	01 OCT 2026	ENR 3.2.6 - 3	01 OCT 2026
ENR 3.2.2 - 6	01 OCT 2026	ENR 3.2.3 - 15	01 OCT 2026	ENR 3.2.6 - 4	01 OCT 2026
ENR 3.2.2 - 7	01 OCT 2026	ENR 3.2.3 - 16	01 OCT 2026	ENR 3.2.6 - 5	01 OCT 2026
ENR 3.2.2 - 8	01 OCT 2026	ENR 3.2.3 - 17	01 OCT 2026	ENR 3.2.6 - 6	01 OCT 2026
ENR 3.2.2 - 9	01 OCT 2026	ENR 3.2.3 - 18	01 OCT 2026	ENR 3.2.6 - 7	01 OCT 2026
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ENR 3.2.2 - 11	01 OCT 2026	ENR 3.2.3 - 20	01 OCT 2026	ENR 3.2.6 - 9	01 OCT 2026
ENR 3.2.2 - 12	01 OCT 2026	ENR 3.2.3 - 21	01 OCT 2026	ENR 3.2.6 - 10	01 OCT 2026
ENR 3.2.2 - 13	01 OCT 2026	ENR 3.2.3 - 22	01 OCT 2026	ENR 3.2.7 - 1	11 JUN 2026
ENR 3.2.2 - 14	01 OCT 2026	ENR 3.2.3 - 23	01 OCT 2026	ENR 3.2.7 - 2	11 JUN 2026
ENR 3.2.2 - 15	01 OCT 2026	ENR 3.2.3 - 24	01 OCT 2026	ENR 3.2.7 - 3	11 JUN 2026
ENR 3.2.2 - 16	01 OCT 2026	ENR 3.2.3 - 25	01 OCT 2026	ENR 3.2.7 - 4	11 JUN 2026
ENR 3.2.2 - 17	01 OCT 2026	ENR 3.2.3 - 26	01 OCT 2026	ENR 3.2.7 - 5	11 JUN 2026
ENR 3.2.2 - 18	01 OCT 2026	ENR 3.2.3 - 27	01 OCT 2026	ENR 3.2.7 - 6	11 JUN 2026
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ENR 3.2.2 - 20	01 OCT 2026	ENR 3.2.3 - 29	01 OCT 2026	ENR 3.2.7 - 8	11 JUN 2026
ENR 3.2.2 - 21	01 OCT 2026	ENR 3.2.3 - 30	01 OCT 2026	ENR 3.2.7 - 9	11 JUN 2026
ENR 3.2.2 - 22	01 OCT 2026	ENR 3.2.3 - 31	01 OCT 2026	ENR 3.2.7 - 10	03 SEP 2026
ENR 3.2.2 - 23	01 OCT 2026	ENR 3.2.3 - 32	01 OCT 2026	ENR 3.2.7 - 11	11 JUN 2026
ENR 3.2.2 - 24	01 OCT 2026	ENR 3.2.3 - 33	01 OCT 2026	ENR 3.2.7 - 12	11 JUN 2026
ENR 3.2.2 - 25	01 OCT 2026	ENR 3.2.3 - 34	01 OCT 2026	ENR 3.2.7 - 13	11 JUN 2026
ENR 3.2.2 - 26	01 OCT 2026	ENR 3.2.3 - 35	01 OCT 2026	ENR 3.2.7 - 14	11 JUN 2026
ENR 3.2.2 - 27	01 OCT 2026	ENR 3.2.3 - 36	01 OCT 2026	ENR 3.2.7 - 15	11 JUN 2026
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ENR 3.2.2 - 29	01 OCT 2026	ENR 3.2.3 - 38	01 OCT 2026	ENR 3.2.7 - 17	03 SEP 2026
ENR 3.2.2 - 30	01 OCT 2026	ENR 3.2.3 - 39	01 OCT 2026	ENR 3.2.7 - 18	06 AUG 2026
ENR 3.2.2 - 31	01 OCT 2026	ENR 3.2.3 - 40	01 OCT 2026	ENR 3.2.7 - 19	11 JUN 2026
ENR 3.2.2 - 32	01 OCT 2026	ENR 3.2.3 - 41	01 OCT 2026	ENR 3.2.7 - 20	11 JUN 2026
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ENR 3.2.2 - 40	01 OCT 2026	ENR 3.2.4 - 1	01 OCT 2026	ENR 3.2.7 - 28	11 JUN 2026
ENR 3.2.2 - 41	01 OCT 2026	ENR 3.2.4 - 2	01 OCT 2026	ENR 3.2.7 - 29	11 JUN 2026
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ENR 3.2.2 - 43	01 OCT 2026	ENR 3.2.4 - 4	01 OCT 2026	ENR 3.2.7 - 31	11 JUN 2026
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ENR 3.2.3 - 2	01 OCT 2026	ENR 3.2.4 - 7	01 OCT 2026	ENR 3.2.7 - 34	11 JUN 2026
ENR 3.2.3 - 3	01 OCT 2026	ENR 3.2.4 - 8	01 OCT 2026	ENR-3.3 - 1	19 MAY 2022
ENR 3.2.3 - 4	01 OCT 2026	ENR 3.2.4 - 9	01 OCT 2026	ENR-3.3 - 2	04 NOV 2021
ENR 3.2.3 - 5	01 OCT 2026	ENR 3.2.4 - 10	01 OCT 2026	ENR-3.4 - 1	19 MAY 2022
ENR 3.2.3 - 6	01 OCT 2026	ENR 3.2.4 - 11	01 OCT 2026	ENR-3.4 - 2	04 NOV 2021
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ENR 3.2.3 - 8	01 OCT 2026	ENR 3.2.4 - 13	01 OCT 2026	ENR-3.5 - 2	19 MAY 2022
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ENR-4.3 - 1	30 MAR 2017	ENR-4.4 - 14	26 NOV 2026	ENR-4.4 - 29	26 NOV 2026
ENR-4.3 - 2	30 MAR 2017	ENR-4.4 - 15	26 NOV 2026	ENR-4.4 - 30	26 NOV 2026
ENR-4.4 - 1	26 NOV 2026	ENR-4.4 - 16	26 NOV 2026	ENR-4.4 - 31	26 NOV 2026
ENR-4.4 - 2	26 NOV 2026	ENR-4.4 - 17	26 NOV 2026	ENR-4.4 - 32	26 NOV 2026
ENR-4.4 - 3	26 NOV 2026	ENR-4.4 - 18	26 NOV 2026	ENR-4.4 - 33	26 NOV 2026
ENR-4.4 - 4	26 NOV 2026	ENR-4.4 - 19	26 NOV 2026	ENR-4.4 - 34	26 NOV 2026
ENR-4.4 - 5	26 NOV 2026	ENR-4.4 - 20	26 NOV 2026	ENR-4.4 - 35	26 NOV 2026
ENR-4.4 - 6	26 NOV 2026	ENR-4.4 - 21	26 NOV 2026	ENR-4.4 - 36	26 NOV 2026
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ENR-5.1 - 4	11 JUN 2026	ENR-5.1 - 16	11 JUN 2026	ENR-5.3 - 2	30 MAR 2017
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ENR-5.1 - 8	11 JUN 2026	ENR-5.1 - 20	11 JUN 2026	ENR-5.5 - 2	30 MAR 2017
ENR-5.1 - 9	11 JUN 2026	ENR-5.1 - 21	11 JUN 2026	ENR-5.6 - 1	10 SEP 2020
ENR-5.1 - 10	11 JUN 2026	ENR-5.1 - 22	11 JUN 2026	ENR-5.6 - 2	10 SEP 2020
ENR-5.1 - 11	11 JUN 2026	ENR-5.1 - 23	11 JUN 2026		
ENR-5.1 - 12	11 JUN 2026	ENR-5.1 - 24	11 JUN 2026		
ENR 6		EN-ROUTE CHART			
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PART 3 - AERODROMES (AD)

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AD-0.3 - 1	23 MAY 2019	AD-0.6 - 5	26 NOV 2026	AD-0.6 - 15	26 NOV 2026
AD-0.3 - 2	30 MAR 2017	AD-0.6 - 6	26 NOV 2026	AD-0.6 - 16	26 NOV 2026
AD-0.4 - 1	23 MAY 2019	AD-0.6 - 7	26 NOV 2026	AD-0.6 - 17	26 NOV 2026
AD-0.4 - 2	30 MAR 2017	AD-0.6 - 8	26 NOV 2026	AD-0.6 - 18	26 NOV 2026
AD-0.5 - 1	23 MAY 2019	AD-0.6 - 9	26 NOV 2026	AD-0.6 - 19	26 NOV 2026
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AD-1.2 - 1	04 NOV 2021	AD-1.2 - 7	31 OCT 2024	AD-1.5 - 1	26 NOV 2026
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AD-1.2 - 3	04 NOV 2021	AD-1.3 - 1	26 NOV 2026		
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AD-2-UATE - 9	29 OCT 2026	UATE AD 2.24.9-3 - 1	05 SEP 2024	UATE AD 2.24.11-9 - 1	05 SEP 2024
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AD-2-UATE - 13	29 OCT 2026	UATE AD 2.24.9-5 - 1	05 SEP 2024	UATE AD 2.24.12 - 1	23 FEB 2023
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UASK AD 2.24.1 - 1	29 OCT 2026	UASK AD 2.24.11-5 - 1	04 SEP 2025	UAKD AD 2.24.4 - 1	27 NOV 2025
UASK AD 2.24.1 - 2	30 MAR 2017	UASK AD 2.24.11-5 - 2	04 SEP 2025	UAKD AD 2.24.4 - 2	20 MAR 2025
UASK AD 2.24.3 - 1	05 SEP 2024	UASK AD 2.24.11-6 - 1	30 OCT 2025	UAKD AD 2.24.7-1 - 1	22 JAN 2026
UASK AD 2.24.3 - 2	01 DEC 2022	UASK AD 2.24.11-6 - 2	04 SEP 2025	UAKD AD 2.24.7-1 - 2	27 NOV 2025
UASK AD 2.24.4 - 1	24 FEB 2022	UASK AD 2.24.11-7 - 1	14 MAY 2026	UAKD AD 2.24.7-2 - 1	27 NOV 2025
UASK AD 2.24.4 - 2	30 MAR 2017	UASK AD 2.24.11-7 - 2	04 SEP 2025	UAKD AD 2.24.7-2 - 2	27 NOV 2025
UASK AD 2.24.6 - 1	01 OCT 2026	UASK AD 2.24.11-8 - 1	14 MAY 2026	UAKD AD 2.24.7-3 - 1	22 JAN 2026
UASK AD 2.24.6 - 2	11 AUG 2022	UASK AD 2.24.11-8 - 2	04 SEP 2025	UAKD AD 2.24.7-3 - 2	22 JAN 2026
UASK AD 2.24.7-1 - 1	03 SEP 2026	UASK AD 2.24.12 - 1	23 JAN 2025	UAKD AD 2.24.7-4 - 1	22 JAN 2026
UASK AD 2.24.7-1 - 2	03 SEP 2026	UASK AD 2.24.12 - 2	30 MAR 2017	UAKD AD 2.24.7-4 - 2	22 JAN 2026
UASK AD 2.24.7-2 - 1	03 SEP 2026	UASK AD 2.24.14 - 1	03 SEP 2026	UAKD AD 2.24.9-1 - 1	27 NOV 2025
UASK AD 2.24.7-2 - 2	01 OCT 2026	UASK AD 2.24.14 - 2	11 AUG 2022	UAKD AD 2.24.9-1 - 2	27 NOV 2025
UASK AD 2.24.7-3 - 1	31 OCT 2024	AD-2-UASZ - 1	05 OCT 2023	UAKD AD 2.24.9-2 - 1	27 NOV 2025
UASK AD 2.24.7-3 - 2	11 AUG 2022	AD-2-UASZ - 2	05 SEP 2024	UAKD AD 2.24.9-2 - 2	27 NOV 2025
UASK AD 2.24.7-4 - 1	31 OCT 2024	AD-2-UASZ - 3	05 SEP 2024	UAKD AD 2.24.9-3 - 1	22 JAN 2026
UASK AD 2.24.7-4 - 2	11 AUG 2022	AD-2-UASZ - 4	05 SEP 2024	UAKD AD 2.24.9-3 - 2	06 AUG 2026
UASK AD 2.24.7-5 - 1	31 OCT 2024	AD-2-UASZ - 5	05 SEP 2024	UAKD AD 2.24.9-4 - 1	22 JAN 2026
UASK AD 2.24.7-5 - 2	16 MAY 2024	AD-2-UASZ - 6	23 JAN 2025	UAKD AD 2.24.9-4 - 2	06 AUG 2026
UASK AD 2.24.7-6 - 1	31 OCT 2024	AD-2-UASZ - 7	04 SEP 2025	UAKD AD 2.24.9-5 - 1	22 JAN 2026
UASK AD 2.24.7-6 - 2	11 JUL 2024	AD-2-UASZ - 8	16 MAY 2024	UAKD AD 2.24.9-5 - 2	06 AUG 2026
UASK AD 2.24.7-7 - 1	31 OCT 2024	UASZ AD 2.24.1 - 1	05 SEP 2024	UAKD AD 2.24.10 - 1	27 NOV 2025
UASK AD 2.24.7-7 - 2	11 JUL 2024	UASZ AD 2.24.1 - 2	01 FEB 2018	UAKD AD 2.24.10 - 2	30 MAR 2017
UASK AD 2.24.7-8 - 1	31 OCT 2024	UASZ AD 2.24.3 - 1	05 SEP 2024	UAKD AD 2.24.11-1 - 1	22 JAN 2026
UASK AD 2.24.7-8 - 2	08 AUG 2024	UASZ AD 2.24.3 - 2	04 NOV 2021	UAKD AD 2.24.11-1 - 2	31 OCT 2024
UASK AD 2.24.9-2 - 1	03 SEP 2026	UASZ AD 2.24.6 - 1	11 AUG 2022	UAKD AD 2.24.11-2 - 1	22 JAN 2026
UASK AD 2.24.9-2 - 2	03 SEP 2026	UASZ AD 2.24.6 - 2	11 AUG 2022	UAKD AD 2.24.11-2 - 2	25 FEB 2021
UASK AD 2.24.9-3 - 1	03 SEP 2026	UASZ AD 2.24.7-1 - 1	11 AUG 2022	UAKD AD 2.24.11-3 - 1	22 JAN 2026
UASK AD 2.24.9-3 - 2	03 SEP 2026	UASZ AD 2.24.7-1 - 2	01 FEB 2018	UAKD AD 2.24.11-3 - 2	25 FEB 2021
UASK AD 2.24.9-4 - 1	31 OCT 2024	UASZ AD 2.24.7-2 - 1	11 AUG 2022	UAKD AD 2.24.11-4 - 1	27 NOV 2025
UASK AD 2.24.9-4 - 2	03 SEP 2026	UASZ AD 2.24.7-2 - 2	01 FEB 2018	UAKD AD 2.24.11-4 - 2	25 FEB 2021
UASK AD 2.24.9-5 - 1	23 JAN 2025	UASZ AD 2.24.9-1 - 1	11 AUG 2022	UAKD AD 2.24.11-5 - 1	27 NOV 2025
UASK AD 2.24.9-5 - 2	03 SEP 2026	UASZ AD 2.24.9-1 - 2	01 FEB 2018	UAKD AD 2.24.11-5 - 2	25 FEB 2021
UASK AD 2.24.9-6 - 1	31 OCT 2024	UASZ AD 2.24.11-1 - 1	14 MAY 2026	UAKD AD 2.24.11-6 - 1	22 JAN 2026
UASK AD 2.24.9-6 - 2	03 SEP 2026	UASZ AD 2.24.11-1 - 2	11 AUG 2022	UAKD AD 2.24.11-6 - 2	06 AUG 2026
UASK AD 2.24.9-7 - 1	31 OCT 2024	UASZ AD 2.24.12 - 1	11 AUG 2022	UAKD AD 2.24.11-7 - 1	22 JAN 2026
UASK AD 2.24.9-7 - 2	03 SEP 2026	UASZ AD 2.24.12 - 2	01 FEB 2018	UAKD AD 2.24.11-7 - 2	06 AUG 2026
UASK AD 2.24.9-8 - 1	31 OCT 2024	UASZ AD 2.24.14 - 1	23 FEB 2023	UAKD AD 2.24.12 - 1	22 JAN 2026
UASK AD 2.24.9-8 - 2	11 JUL 2024	UASZ AD 2.24.14 - 2	11 AUG 2022	UAKD AD 2.24.12 - 2	30 MAR 2017
UASK AD 2.24.9-9 - 1	31 OCT 2024	AD-2-UAKD - 1	26 NOV 2026	UAKD AD 2.24.14 - 1	27 NOV 2025
UASK AD 2.24.9-9 - 2	11 JUL 2024	AD-2-UAKD - 2	01 OCT 2026	UAKD AD 2.24.14 - 2	15 JUL 2021

AD 3 HELIPORTS

AD-3-UATK - 1	26 NOV 2026
AD-3-UATK - 2	26 NOV 2026
AD-3-UATK - 3	26 NOV 2026
AD-3-UATK - 4	26 NOV 2026
AD-3-UATK - 5	26 NOV 2026
AD-3-UATK - 6	26 NOV 2026
AD-3-UATK - 7	26 NOV 2026
AD-3-UATK - 8	26 NOV 2026
AD-3-UATK - 9	26 NOV 2026
AD-3-UATK - 10	26 NOV 2026

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GEN 2.4 LOCATION INDICATORS

* Station is not connected to the AFTN

ENCODE	
Name	Identifier
AKTAU	UATE
AKTOBE	UATT
ALMATY / CIVIL AVIATION COMMITTEE'S BRANCH	UAAD
ALMATY	UAAA
ARALSK*	UATA
ARKALYK	UAUR
ASTANA / AIR NAVIGATION SERVICE PROVIDER	UAAK
ASTANA / CIVIL AVIATION ADMINISTRATION JSC	UACE
ASTANA / CIVIL AVIATION COMMITTEE	UACD
ASTANA FIR / ACC	UACN
ASTANA	UACC
ATYRAU	UATG
BAIKONUR / KRAINIY	UAOL
BAIKONUR / YUBILEINIY	UAON
BALKHASH	UAAH
BOZHBAN	UAIK
D ISLAND	UATK
EKIBASTUZ*	UASB
KARAGANDA	UAKK
KATON-KARAGAY	UASW
KENDERLI	UATB
KOKSHETAU	UACK
KOSTANAY	UAUU
KYZYLORDA	UAOO
PAVLODAR	UASP
PETROPAVLOVSK	UACP
SATPAY	UASI
SEMEY	UASS
SHYMKENT	UAII
TALDYKORGAN	UAAT
TARAZ	UADD
TENGIZ	UATZ

DECODE	
Identifier	Name
UATE	AKTAU
UATT	AKTOBE
UAAD	ALMATY / CIVIL AVIATION COMMITTEE'S BRANCH
UAAA	ALMATY
UATA	ARALSK*
UAUR	ARKALYK
UAAK	ASTANA / AIR NAVIGATION SERVICE PROVIDER
UACE	ASTANA / CIVIL AVIATION ADMINISTRATION JSC
UACD	ASTANA / CIVIL AVIATION COMMITTEE
UACN	ASTANA FIR / ACC
UACC	ASTANA
UATG	ATYRAU
UAOL	BAIKONUR / KRAINIY
UAON	BAIKONUR / YUBILEINIY
UAAH	BALKHASH
UAIK	BOZHBAN
UATK	D ISLAND
UASB	EKIBASTUZ*
UAKK	KARAGANDA
UASW	KATON-KARAGAY
UATB	KENDERLI
UACK	KOKSHETAU
UAUU	KOSTANAY
UAOO	KYZYLORDA
UASP	PAVLODAR
UACP	PETROPAVLOVSK
UASI	SATPAY
UASS	SEMEY
UAII	SHYMKENT
UAAT	TALDYKORGAN
UADD	TARAZ
UATZ	TENGIZ

ENCODE	
Name	Identifier
TURKISTAN	UAIT
URALSK	UARR
URDZHAR	UASU
USHARAL	UAAL
UST-KAMENOGORSK	UASK
ZAISAN	UASZ
ZHEZKAZGAN	UAKD

DECODE	
Identifier	Name
UAIT	TURKISTAN
UARR	URALSK
UASU	URDZHAR
UAAL	USHARAL
UASK	UST-KAMENOGORSK
UASZ	ZAISAN
UAKD	ZHEZKAZGAN

GEN 2.5 LIST OF RADIO NAVIGATION AIDS

Decode			
ID	Station name	Aid	Purpose
AKT	AKTAU	DVOR/DME	AE
T	AKTAU	NDB	A
IAU	AKTAU	ILS/DME	A
ITA	AKTAU	ILS/DME	A
AKB	AKTOBE	DVOR/DME	AE
ITU	AKTOBE	ILS/DME	A
IAT	AKTOBE	ILS/DME	A
ATA	ALMATY	DVOR/DME	AE
IAA	ALMATY	ILS/DME	A
IMA	ALMATY	ILS/DME	A
ILM	ALMATY	ILS/DME	A
IAL	ALMATY	ILS/DME	A
ARL	ARALSK	DVOR/DME	E
ARK	ARKALYK	DVOR/DME	AE
AST	ASTANA	DVOR/DME	AE
M	ASTANA	NDB	A
IAK	ASTANA	ILS/DME	A
IMO	ASTANA	ILS/DME	A
ATR	ATYRAU	DVOR/DME	AE
ITY	ATYRAU	ILS/DME	A
IAY	ATYRAU	ILS/DME	A
AGZ	AYAGUZ	VOR/DME	E
BLH	BALKHASH	DVOR/DME	AE
BNU	BEINEU	VOR/DME	E
JRK	JARKENT	VOR/DME	E
KRG	KARAGANDA	DVOR/DME	AE
IKA	KARAGANDA	ILS/DME	A
IRG	KARAGANDA	ILS/DME	A
IKN	KATON-KARAGAY	ILS/DME	A
KTN	KATON-KARAGAY	DVOR/DME	A
KDN	KENDIRLI	KENDIRLI	A
KTU	KOKSHETAU	VOR/DME	AE
IOT	KOKSHETAU	ILS/DME	A
IKW	KOKSHETAU	ILS/DME	A

Encode			
Station name	Aid	ID	Purpose
AKTAU	DVOR/DME	AKT	AE
AKTAU	NDB	T	A
AKTAU	ILS/DME	IAU	A
AKTAU	ILS/DME	ITA	A
AKTOBE	DVOR/DME	AKB	AE
AKTOBE	ILS/DME	ITU	A
AKTOBE	ILS/DME	IAT	A
ALMATY	DVOR/DME	ATA	AE
ALMATY	ILS/DME	IAA	A
ALMATY	ILS/DME	IMA	A
ALMATY	ILS/DME	ILM	A
ALMATY	ILS/DME	IAL	A
ARALSK	DVOR/DME	ARL	E
ARKALYK	DVOR/DME	ARK	AE
ASTANA	DVOR/DME	AST	AE
ASTANA	NDB	M	A
ASTANA	ILS/DME	IAK	A
ASTANA	ILS/DME	IMO	A
ATYRAU	DVOR/DME	ATR	AE
ATYRAU	ILS/DME	ITY	A
ATYRAU	ILS/DME	IAY	A
AYAGUZ	VOR/DME	AGZ	E
BALKHASH	DVOR/DME	BLH	AE
BEINEU	VOR/DME	BNU	E
JARKENT	VOR/DME	JRK	E
KARAGANDA	DVOR/DME	KRG	AE
KARAGANDA	ILS/DME	IKA	A
KARAGANDA	ILS/DME	IRG	A
KATON-KARAGAY	ILS/DME	IKN	A
KATON-KARAGAY	DVOR/DME	KTN	A
KENDIRLI	DVOR/DME	KDN	A
KOKSHETAU	VOR/DME	KTU	AE
KOKSHETAU	ILS/DME	IOT	A
KOKSHETAU	ILS/DME	IKW	A

Decode			
ID	Station name	Aid	Purpose
KST	KOSTANAY	DVOR/DME	AE
IKT	KOSTANAY	ILS/DME	A
INA	KOSTANAY	ILS/DME	A
KZO	KYZYLORDA	DVOR/DME	AE
IKZ	KYZYLORDA	ILS/DME	A
PVL	PAVLODAR	DVOR/DME	AE
IPW	PAVLODAR	ILS/DME	A
IPT	PETROPAVLOVSK	ILS/DME	A
PSK	PETROPAVLOVSK	DVOR/DME	AE
SEM	SEMEY	DVOR/DME	AE
ISP	SEMEY	ILS/DME	A
ZSN	SATPAY	DVOR/DME	AE
SMK	SHYMKENT	DVOR/DME	AE
SKN	SHYMKENT	NDB	A
IIM	SHYMKENT	ILS/DME	A
IEN	SHYMKENT	ILS/DME	A
TDK	TALDYKORGAN	DVOR/DME	AE
TAR	TARAZ	DVOR/DME	AE
IMB	TARAZ	ILS/DME	A
IYL	TARAZ	ILS/DME	A
TGZ	TENGIZ	VOR/DME	A
TRK	TURKISTAN	DVOR/DME	AE
ITR	TURKISTAN	ILS/DME	A
ITK	TURKISTAN	ILS/DME	A
URL	URALSK	DVOR/DME	AE
IUR	URALSK	ILS/DME	A
ISK	URALSK	ILS/DME	A
UGN	URDZHAR	NDB	A
SH	USHARAL	NDB	A
R	USHARAL	NDB	A
UKM	UST-KAMENOGORSK	DVOR/DME	AE
ISI	UST-KAMENOGORSK	ILS/DME	A
IUS	UST-KAMENOGORSK	ILS/DME	A

Encode			
Station name	Aid	ID	Purpose
KOSTANAY	DVOR/DME	KST	AE
KOSTANAY	ILS/DME	IKT	A
KOSTANAY	ILS/DME	INA	A
KYZYLORDA	DVOR/DME	KZO	AE
KYZYLORDA	ILS/DME	IKZ	A
PAVLODAR	DVOR/DME	PVL	AE
PAVLODAR	ILS/DME	IPW	A
PETROPAVLOVSK	ILS/DME	IPT	A
PETROPAVLOVSK	DVOR/DME	PSK	AE
SEMEY	DVOR/DME	SEM	AE
SEMEY	ILS/DME	ISP	A
SATPAY	DVOR/DME	ZSN	AE
SHYMKENT	DVOR/DME	SMK	AE
SHYMKENT	NDB	SKN	A
SHYMKENT	ILS/DME	IIM	A
SHYMKENT	ILS/DME	IEN	A
TALDYKORGAN	DVOR/DME	TDK	AE
TARAZ	DVOR/DME	TAR	AE
TARAZ	ILS/DME	IMB	A
TARAZ	ILS/DME	IYL	A
TENGIZ	VOR/DME	TGZ	A
TURKISTAN	DVOR/DME	TRK	AE
TURKISTAN	ILS/DME	ITR	A
TURKISTAN	ILS/DME	ITK	A
URALSK	DVOR/DME	URL	AE
URALSK	ILS/DME	IUR	A
URALSK	ILS/DME	ISK	A
URDZHAR	NDB	UGN	A
USHARAL	NDB	SH	A
USHARAL	NDB	R	A
UST-KAMENOGORSK	DVOR/DME	UKM	AE
UST-KAMENOGORSK	ILS/DME	ISI	A
UST-KAMENOGORSK	ILS/DME	IUS	A

Decode			
ID	Station name	Aid	Purpose
ZSN	ZAISAN	NDB	A
DZG	ZHEZKAZGAN	DVOR/DME	AE
IGN	ZHEZKAZGAN	ILS/DME	A

Encode			
Station name	Aid	ID	Purpose
ZAISAN	NDB	ZSN	A
ZHEZKAZGAN	DVOR/DME	DZG	AE
ZHEZKAZGAN	ILS/DME	IGN	A

(A) Aerodrome aid

(AE) Aerodrome and en-route aid

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GEN 2.7 SUNRISE/SUNSET**1. GENERAL**

The tables include 29 public airports and aerodromes.

The times in the tables are given in UTC for beginning of civil morning twilight (TWIL FROM), sunrise (SR), sunset (SS), and end of civil evening twilight (TWIL TO).

The times given for the beginning of civil morning twilight and end of civil evening twilight are calculated for an altitude of the Sun 6° below the horizon as commonly used.

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BOZHBAN	GEN-2.7-9
KARAGANDA	GEN-2.7-10
KATON-KARAGAY	GEN-2.7-11
KENDERLI	GEN-2.7-12
KOKSHETAU	GEN-2.7-13
KOSTANAY	GEN-2.7-14
KYZYLORDA	GEN-2.7-15
PAVLODAR	GEN-2.7-16
PETROPAVLOVSK	GEN-2.7-17
SATPAY	GEN-2.7-18
SEMEY	GEN-2.7-19
SHYMKENT	GEN-2.7-20
TALDYKORGAN	GEN-2.7-21
TARAZ	GEN-2.7-22
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3. SUNRISE/SUNSET TABLES

AKTAU
UATE
435136N 0510527E

AKTAU
UATE
435136N 0510527E

AKTAU
UATE
435136N 0510527E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0337	0410	1309	1342	MAY 1	0058	0129	1537	1608	SEP 2	0131	0200	1512	1542
5	0337	0410	1312	1345	5	0052	0124	1542	1614	6	0135	0205	1505	1534
9	0337	0409	1316	1349	9	0046	0119	1546	1619	10	0140	0209	1458	1527
13	0336	0408	1321	1353	13	0041	0114	1551	1624	14	0145	0214	1450	1519
17	0334	0406	1326	1358	17	0036	0110	1555	1629	18	0149	0218	1443	1512
21	0332	0403	1331	1402	21	0032	0106	1600	1633	22	0154	0222	1435	1504
25	0329	0400	1336	1407	25	0028	0102	1604	1638	26	0158	0227	1428	1457
29	0326	0356	1341	1412	29	0025	0100	1607	1642	30	0203	0232	1421	1449
FEB 2	0322	0352	1347	1417	JUN 2	0022	0057	1611	1646	OCT 4	0207	0236	1413	1442
6	0317	0348	1352	1423	6	0020	0056	1614	1649	8	0212	0241	1406	1435
10	0313	0343	1358	1428	10	0019	0054	1616	1652	12	0217	0246	1359	1428
14	0308	0337	1403	1433	14	0018	0054	1618	1654	16	0222	0250	1353	1422
18	0302	0331	1409	1438	18	0018	0054	1620	1656	20	0226	0255	1346	1415
22	0256	0325	1414	1443	22	0018	0055	1621	1657	24	0231	0300	1340	1409
26	0250	0319	1420	1448	26	0020	0056	1622	1658	28	0236	0306	1334	1403
					30	0021	0057	1621	1657					
MAR 2	0243	0312	1425	1453	JUL 4	0024	0059	1621	1656	NOV 1	0241	0311	1328	1358
6	0237	0305	1430	1458	8	0027	0102	1619	1655	5	0246	0316	1323	1353
10	0230	0258	1435	1503	12	0030	0105	1618	1653	9	0251	0321	1318	1349
14	0223	0251	1440	1508	16	0034	0108	1615	1650	13	0256	0327	1314	1345
18	0215	0244	1445	1513	20	0038	0112	1612	1646	17	0301	0332	1310	1341
22	0208	0237	1449	1518	24	0042	0116	1609	1642	21	0306	0337	1307	1338
26	0201	0229	1454	1523	28	0047	0120	1605	1638	25	0310	0342	1304	1336
30	0153	0222	1459	1528						29	0315	0347	1302	1334
APR 3	0146	0215	1504	1533	AUG 1	0052	0124	1600	1633	DEC 3	0319	0351	1300	1333
7	0139	0208	1508	1538	5	0056	0129	1555	1628	7	0323	0355	1259	1332
11	0131	0201	1513	1543	9	0101	0133	1550	1622	11	0326	0359	1259	1332
15	0124	0154	1518	1548	13	0106	0138	1544	1616	15	0329	0402	1300	1332
19	0117	0147	1523	1553	17	0111	0142	1538	1609	19	0332	0405	1301	1334
23	0111	0141	1527	1558	21	0116	0147	1532	1603	23	0334	0407	1302	1335
27	0104	0135	1532	1603	25	0121	0151	1526	1556	27	0336	0409	1305	1338
					29	0126	0156	1519	1549	31	0337	0409	1308	1341

AKTOBE
UATT
501446N 0571220EAKTOBE
UATT
501446N 0571220EAKTOBE
UATT
501446N 0571220E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0333	0412	1218	1257	MAY 1	0012	0048	1530	1606	SEP 2	0053	0127	1457	1531
5	0333	0411	1223	1301	5	0004	0041	1536	1613	6	0100	0133	1448	1522
9	0332	0410	1227	1305	9	2356	0035	1542	1620	10	0106	0139	1439	1513
13	0330	0408	1233	1310	13	2349	0029	1548	1627	14	0112	0145	1431	1503
17	0327	0405	1239	1316	17	2343	0023	1554	1634	18	0119	0151	1422	1454
21	0324	0401	1245	1322	21	2337	0018	1559	1640	22	0125	0157	1413	1445
25	0320	0356	1252	1328	25	2332	0013	1605	1646	26	0131	0203	1404	1436
29	0316	0351	1258	1334	29	2327	0010	1609	1652	30	0137	0209	1355	1427
FEB 2	0311	0346	1305	1340	JUN 2	2323	0006	1614	1657	OCT 4	0143	0216	1346	1418
6	0305	0340	1312	1347	6	2320	0004	1618	1702	8	0149	0222	1337	1410
10	0259	0333	1319	1353	10	2317	0002	1621	1705	12	0156	0228	1329	1401
14	0252	0326	1326	1400	14	2316	0001	1623	1708	16	0202	0235	1320	1353
18	0245	0319	1333	1407	18	2316	0001	1625	1710	20	0208	0241	1312	1345
22	0238	0311	1340	1413	22	2316	0001	1626	1712	24	0214	0248	1304	1338
26	0230	0303	1347	1420	26	2317	0002	1627	1712	28	0221	0254	1257	1331
					30	2320	0004	1626	1711					
MAR 2	0222	0255	1354	1426	JUL 4	2323	0007	1625	1710	NOV 1	0227	0301	1250	1324
6	0214	0247	1400	1433	8	2326	0010	1623	1707	5	0233	0308	1243	1318
10	0206	0238	1407	1439	12	2331	0014	1620	1704	9	0240	0315	1237	1312
14	0157	0229	1413	1446	16	2336	0018	1617	1700	13	0246	0321	1231	1306
18	0148	0221	1420	1452	20	2342	0023	1613	1655	17	0252	0328	1226	1302
22	0139	0212	1426	1459	24	2347	0028	1608	1649	21	0258	0335	1221	1258
26	0130	0203	1433	1505	28	2354	0034	1603	1643	25	0304	0341	1217	1254
30	0121	0154	1439	1512						29	0309	0347	1214	1251
APR 3	0112	0145	1445	1518	AUG 1	0000	0039	1557	1636	DEC 3	0314	0352	1211	1249
7	0103	0137	1452	1525	5	0007	0045	1551	1629	7	0319	0357	1210	1248
11	0054	0128	1458	1532	9	0013	0051	1544	1622	11	0323	0401	1209	1247
15	0045	0120	1504	1539	13	0020	0057	1537	1614	15	0326	0405	1209	1248
19	0036	0111	1511	1545	17	0027	0103	1530	1606	19	0329	0408	1210	1249
23	0028	0103	1517	1552	21	0034	0109	1522	1557	23	0331	0410	1211	1250
27	0020	0056	1523	1559	25	0040	0115	1514	1549	27	0333	0411	1214	1253
					29	0047	0121	1505	1540	31	0333	0412	1217	1256

ALMATY
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432120N 0770238E

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MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0153	0225	1127	1200	MAY 1	2316	2347	1353	1424	SEP 2	2348	0018	1329	1358
5	0153	0225	1131	1203	5	2310	2342	1358	1429	6	2353	0022	1322	1351
9	0153	0225	1135	1207	9	2305	2337	1402	1434	10	2357	0026	1314	1343
13	0152	0223	1139	1211	13	2259	2332	1407	1439	14	0002	0031	1307	1336
17	0150	0221	1144	1215	17	2255	2328	1411	1444	18	0007	0035	1300	1328
21	0148	0219	1149	1220	21	2251	2324	1415	1449	22	0011	0039	1253	1321
25	0145	0216	1154	1225	25	2247	2321	1419	1453	26	0015	0044	1245	1314
29	0142	0212	1159	1230	29	2244	2318	1423	1457	30	0020	0048	1238	1306
FEB 2	0138	0208	1205	1235	JUN 2	2241	2316	1426	1501	OCT 4	0024	0053	1231	1259
6	0134	0204	1210	1240	6	2239	2314	1429	1504	8	0029	0057	1224	1252
10	0129	0159	1216	1245	10	2238	2313	1432	1507	12	0034	0102	1217	1245
14	0124	0154	1221	1250	14	2237	2312	1434	1509	16	0038	0107	1210	1239
18	0119	0148	1226	1256	18	2237	2312	1436	1511	20	0043	0112	1204	1233
22	0113	0142	1232	1301	22	2237	2313	1437	1512	24	0048	0117	1157	1227
26	0107	0136	1237	1306	26	2239	2314	1437	1513	28	0053	0122	1152	1221
					30	2240	2316	1437	1513					
MAR 2	0100	0129	1243	1311	JUL 4	2243	2318	1436	1512	NOV 1	0057	0127	1146	1216
6	0054	0122	1247	1315	8	2245	2320	1435	1510	5	0102	0132	1141	1211
10	0047	0115	1252	1320	12	2249	2323	1433	1508	9	0107	0137	1136	1206
14	0040	0108	1257	1325	16	2252	2327	1431	1505	13	0112	0143	1132	1202
18	0033	0101	1301	1330	20	2256	2330	1428	1502	17	0117	0148	1128	1159
22	0025	0054	1306	1335	24	2301	2334	1425	1458	21	0122	0153	1125	1156
26	0018	0047	1311	1339	28	2305	2338	1421	1454	25	0126	0158	1122	1154
30	0011	0040	1316	1344						29	0131	0203	1120	1152
APR 3	0004	0032	1320	1349	AUG 1	2310	2342	1416	1449	DEC 3	0135	0207	1119	1151
7	2356	0025	1325	1354	5	2315	2347	1411	1443	7	0139	0211	1118	1150
11	2349	0018	1329	1359	9	2319	2351	1406	1438	11	0142	0215	1118	1150
15	2342	0012	1334	1404	13	2324	2355	1401	1432	15	0145	0218	1118	1151
19	2335	0005	1339	1409	17	2329	0000	1355	1426	19	0148	0221	1119	1152
23	2329	2359	1344	1414	21	2334	0004	1349	1419	23	0150	0223	1121	1153
27	2322	2353	1348	1419	25	2339	0009	1342	1412	27	0152	0224	1123	1156
					29	2344	0013	1336	1405	31	0153	0225	1126	1159

ARKALYK
UAUR
501907N 0665709EARKALYK
UAUR
501907N 0665709EARKALYK
UAUR
501907N 0665709E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0319	0401	1138	1220	MAY 1	2333	0014	1513	1553	SEP 2	0020	0057	1436	1512
5	0318	0400	1142	1224	5	2325	0006	1520	1601	6	0028	0104	1427	1502
9	0317	0358	1148	1229	9	2316	2358	1527	1609	10	0035	0110	1417	1452
13	0314	0355	1154	1235	13	2308	2351	1534	1617	14	0042	0117	1407	1442
17	0311	0352	1200	1241	17	2300	2345	1541	1625	18	0049	0124	1357	1432
21	0307	0347	1207	1247	21	2253	2339	1547	1633	22	0056	0131	1348	1422
25	0303	0342	1215	1254	25	2247	2334	1553	1640	26	0103	0138	1338	1412
29	0258	0336	1222	1301	29	2241	2329	1558	1647	30	0110	0145	1328	1403
FEB 2	0252	0330	1230	1308	JUN 2	2236	2325	1603	1653	OCT 4	0117	0152	1318	1353
6	0246	0323	1238	1315	6	2232	2322	1608	1658	8	0124	0159	1309	1344
10	0239	0316	1246	1322	10	2229	2320	1611	1702	12	0131	0206	1259	1334
14	0231	0308	1253	1330	14	2227	2319	1614	1706	16	0138	0213	1250	1325
18	0224	0300	1301	1337	18	2226	2318	1616	1708	20	0145	0221	1241	1317
22	0216	0251	1309	1345	22	2227	2319	1617	1710	24	0152	0228	1233	1308
26	0207	0242	1317	1352	26	2228	2320	1618	1710	28	0159	0236	1224	1301
					30	2231	2322	1617	1709					
MAR 2	0158	0233	1324	1359	JUL 4	2234	2325	1616	1707	NOV 1	0207	0243	1216	1253
6	0149	0224	1332	1407	8	2239	2329	1613	1703	5	0214	0251	1209	1246
10	0140	0214	1339	1414	12	2244	2333	1610	1659	9	0221	0259	1202	1239
14	0130	0205	1347	1421	16	2250	2338	1606	1654	13	0228	0306	1155	1233
18	0121	0155	1354	1429	20	2257	2344	1601	1648	17	0234	0313	1149	1228
22	0111	0145	1401	1436	24	2304	2349	1556	1641	21	0241	0321	1144	1223
26	0101	0136	1408	1443	28	2311	2356	1550	1634	25	0247	0328	1139	1219
30	0051	0126	1416	1451						29	0253	0334	1135	1216
APR 3	0041	0116	1423	1458	AUG 1	2319	0002	1543	1626	DEC 3	0259	0340	1132	1213
7	0031	0107	1430	1506	5	2326	0009	1536	1618	7	0304	0345	1130	1212
11	0021	0057	1437	1513	9	2334	0015	1528	1610	11	0308	0350	1129	1211
15	0011	0048	1444	1521	13	2342	0022	1520	1601	15	0312	0354	1128	1211
19	0001	0039	1451	1529	17	2350	0029	1512	1551	19	0315	0357	1129	1212
23	2352	0030	1459	1537	21	2358	0036	1503	1542	23	0317	0359	1131	1213
27	2343	0022	1506	1545	25	0005	0043	1455	1532	27	0318	0401	1133	1216
					29	0013	0050	1445	1522	31	0319	0401	1137	1219

ASTANA
UACC
510121N 0712758E

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510121N 0712758E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0240	0319	1117	1157	MAY 1	2311	2349	1435	1513	SEP 2	2354	0029	1401	1436
5	0239	0319	1122	1101	5	2303	2342	1442	1520	6	0001	0035	1353	1424
9	0238	0317	1127	1105	9	2255	2335	1448	1528	10	0008	0041	1344	1417
13	0236	0315	1132	1111	13	2248	2329	1454	1535	14	0014	0048	1334	1408
17	0233	0311	1138	1116	17	2241	2323	1501	1542	18	0021	0054	1325	1359
21	0230	0308	1145	1122	21	2235	2317	1506	1549	22	0027	0100	1316	1349
25	0226	0303	1151	1128	25	2229	2313	1512	1555	26	0033	0106	1307	1340
29	0221	0258	1158	1135	29	2224	2308	1517	1601	30	0040	0113	1258	1331
FEB 2	0216	0252	1205	1141	JUN 2	2220	2305	1521	1606	OCT 4	0046	0119	1249	1322
6	0210	0246	1213	1248	6	2217	2302	1525	1611	8	0053	0126	1240	1313
10	0204	0239	1220	1255	10	2214	2300	1529	1615	12	0059	0132	1231	1304
14	0157	0232	1227	1302	14	2213	2259	1531	1618	16	0105	0139	1222	1256
18	0150	0224	1234	1309	18	2212	2259	1533	1620	20	0112	0146	1214	1248
22	0142	0216	1242	1315	22	2212	2259	1534	1621	24	0119	0152	1206	1240
26	0134	0208	1249	1322	26	2214	2301	1535	1622	28	0125	0200	1158	1233
					30	2216	2303	1534	1621					
MAR 2	0126	0159	1256	1329	JUL 4	2219	2305	1533	1619	NOV 1	0132	0207	1151	1226
6	0118	0151	1303	1336	8	2223	2309	1531	1616	5	0138	0214	1144	1219
10	0109	0142	1309	1343	12	2228	2313	1528	1613	9	0145	0221	1137	1213
14	0100	0133	1316	1349	16	2233	2317	1524	1608	13	0151	0228	1131	1207
18	0051	0124	1323	1356	20	2239	2322	1520	1603	17	0158	0234	1126	1203
22	0042	0115	1330	1403	24	2245	2328	1515	1557	21	0204	0241	1121	1158
26	0032	0106	1336	1409	28	2252	2333	1510	1551	25	0210	0247	1117	1155
30	0023	0057	1343	1416						29	0215	0253	1113	1152
APR 3	0014	0048	1349	1423	AUG 1	2259	2339	1504	1544	DEC 3	0220	0259	1111	1149
7	0004	0039	1356	1430	5	2306	2345	1457	1537	7	0225	0304	1109	1148
11	2355	0030	1402	1437	9	2313	2351	1450	1529	11	0229	0309	1108	1147
15	2346	0021	1409	1444	13	2320	2357	1443	1521	15	0233	0312	1108	1147
19	2337	0013	1416	1451	17	2327	0004	1435	1512	19	0235	0315	1108	1148
23	2328	0004	1422	1459	21	2334	0010	1427	1503	23	0238	0318	1110	1150
27	2320	2357	1429	1506	25	2341	0016	1419	1454	27	0239	0319	1113	1153
					29	2348	0023	1410	1445	31	0240	0319	1116	1156

ATYRAU
UATG
470719N 0514912EATYRAU
UATG
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UATG
470719N 0514912E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0344	0420	1253	1329	MAY 1	0044	0118	1542	1616	SEP 2	0122	0153	1514	1545
5	0344	0419	1257	1332	5	0038	0112	1548	1622	6	0127	0158	1506	1537
9	0343	0418	1302	1337	9	0031	0106	1553	1628	10	0133	0204	1458	1529
13	0342	0417	1307	1341	13	0025	0101	1558	1634	14	0138	0209	1450	1520
17	0340	0414	1312	1346	17	0019	0056	1604	1640	18	0143	0214	1441	1512
21	0337	0411	1317	1351	21	0014	0051	1608	1645	22	0149	0219	1433	1504
25	0334	0407	1323	1357	25	0010	0048	1613	1651	26	0154	0224	1425	1456
29	0330	0403	1329	1402	29	0006	0044	1617	1656	30	0159	0230	1417	1447
FEB 2	0325	0358	1336	1408	JUN 2	0003	0042	1621	1700	OCT 4	0205	0235	1409	1439
6	0321	0353	1342	1414	6	0000	0039	1625	1704	8	0210	0241	1401	1432
10	0315	0347	1348	1420	10	2358	0038	1627	1707	12	0215	0246	1353	1424
14	0309	0341	1354	1426	14	2357	0037	1630	1710	16	0221	0252	1346	1417
18	0303	0334	1400	1432	18	2357	0037	1631	1711	20	0226	0257	1339	1410
22	0256	0327	1407	1438	22	2356	0038	1633	1713	24	0232	0303	1331	1403
26	0249	0320	1413	1443	26	2359	0039	1633	1713	28	0238	0309	1325	1356
					30	0001	0041	1633	1713					
MAR 2	0242	0313	1419	1449	JUL 4	0003	0043	1632	1711	NOV 1	0243	0315	1318	1350
6	0235	0305	1424	1455	8	0007	0046	1630	1709	5	0249	0321	1312	1345
10	0227	0257	1430	1501	12	0011	0049	1628	1707	9	0255	0327	1307	1340
14	0219	0250	1436	1506	16	0015	0053	1625	1703	13	0300	0333	1302	1335
18	0211	0242	1441	1512	20	0020	0057	1621	1659	17	0306	0339	1257	1331
22	0203	0234	1447	1518	24	0025	0102	1617	1654	21	0311	0345	1253	1327
26	0155	0225	1453	1523	28	0030	0106	1613	1649	25	0316	0350	1250	1324
30	0147	0217	1458	1529						29	0321	0356	1247	1322
APR 3	0138	0209	1504	1535	AUG 1	0036	0111	1608	1643	DEC 3	0326	0401	1245	1320
7	0130	0202	1509	1540	5	0041	0116	1602	1637	7	0330	0405	1244	1319
11	0122	0154	1515	1546	9	0047	0122	1556	1631	11	0334	0409	1244	1319
15	0114	0146	1520	1552	13	0053	0127	1550	1624	15	0337	0412	1244	1319
19	0106	0139	1526	1558	17	0059	0132	1543	1616	19	0340	0415	1245	1321
23	0059	0132	1531	1604	21	0105	0137	1536	1609	23	0342	0417	1247	1322
27	0051	0125	1537	1610	25	0110	0143	1529	1601	27	0343	0419	1249	1325
					29	0116	0148	1521	1553	31	0344	0420	1252	1328

**BALKHASH
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465339N 0750016E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0211	0246	1122	1157	MAY 1	2313	2346	1409	1443	SEP 2	2349	0021	1341	1412
5	0211	0246	1125	1201	5	2306	2340	1415	1449	6	2355	0026	1333	1404
9	0210	0245	1130	1205	9	2300	2335	1420	1455	10	0000	0031	1325	1356
13	0209	0243	1135	1209	13	2254	2329	1425	1501	14	0006	0036	1317	1348
17	0207	0241	1140	1214	17	2248	2324	1430	1506	18	0011	0041	1309	1340
21	0204	0238	1146	1219	21	2243	2320	1435	1512	22	0016	0047	1301	1331
25	0201	0234	1151	1225	25	2239	2316	1440	1517	26	0022	0052	1253	1323
29	0157	0230	1157	1230	29	2235	2313	1444	1522	30	0027	0057	1245	1315
FEB 2	0153	0225	1204	1236	JUN 2	2232	2310	1448	1526	OCT 4	0032	0102	1237	1307
6	0148	0220	1210	1242	6	2229	2308	1451	1530	8	0037	0108	1229	1259
10	0142	0214	1216	1248	10	2227	2306	1454	1533	12	0043	0113	1221	1252
14	0137	0208	1222	1254	14	2226	2306	1456	1536	16	0048	0119	1214	1244
18	0130	0202	1228	1259	18	2226	2306	1458	1538	20	0054	0125	1206	1237
22	0124	0155	1234	1305	22	2226	2306	1459	1539	24	0059	0130	1259	1231
26	0117	0148	1240	1311	26	2228	2307	1459	1539	28	0105	0136	1253	1224
					30	2230	2309	1459	1539					
MAR 2	0110	0140	1246	1317	JUL 4	2232	2311	1458	1538	NOV 1	0110	0142	1147	1218
6	0102	0133	1252	1322	8	2235	2314	1457	1536	5	0116	0148	1141	1213
10	0055	0125	1258	1328	12	2239	2318	1455	1533	9	0122	0154	1135	1208
14	0047	0117	1303	1334	16	2244	2321	1452	1530	13	0127	0200	1130	1203
18	0039	0109	1309	1339	20	2248	2326	1448	1526	17	0133	0206	1126	1159
22	0031	0101	1314	1345	24	2253	2330	1444	1521	21	0138	0212	1122	1155
26	0023	0053	1320	1350	28	2259	2335	1440	1516	25	0143	0217	1118	1152
30	0015	0045	1325	1356						29	0148	0222	1116	1150
APR 3	0006	0037	1331	1402	AUG 1	2304	2340	1435	1510	DEC 3	0153	0227	1114	1149
7	2358	0029	1336	1407	5	2310	2345	1429	1504	7	0157	0232	1113	1148
11	2350	0022	1342	1413	9	2315	2350	1423	1457	11	0200	0236	1112	1147
15	2342	0014	1347	1419	13	2321	2355	1417	1451	15	0204	0239	1112	1148
19	2335	0007	1353	1425	17	2327	0000	1410	1443	19	0206	0242	1113	1149
23	2327	0000	1358	1431	21	2333	0005	1403	1436	23	0209	0244	1115	1150
27	2320	2353	1404	1437	25	2338	0010	1356	1428	27	0210	0245	1117	1153
					29	2344	0016	1349	1420	31	0211	0246	1121	1156

BOZHBAN
UAIK
424537N 0672929EBOZHBAN
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424537N 0672929EBOZHBAN
UAIK
424537N 0672929E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0228	0300	1206	1238	MAY 1	2354	0024	1430	1501	SEP 2	0026	0055	1403	1432
5	0228	0300	1210	1242	5	2348	0019	1435	1506	6	0030	0059	1356	1425
9	0228	0259	1214	1246	9	2342	0014	1439	1511	10	0035	0103	1349	1417
13	0227	0258	1219	1250	13	2337	0009	1443	1515	14	0039	0108	1342	1410
17	0225	0256	1223	1254	17	2333	0005	1448	1520	18	0044	0112	1335	1403
21	0223	0254	1228	1259	21	2329	0001	1452	1524	22	0048	0116	1328	1356
25	0220	0251	1233	1304	25	2325	2358	1455	1529	26	0053	0121	1321	1348
29	0217	0247	1239	1309	29	2322	2355	1459	1533	30	0057	0125	1314	1341
FEB 2	0213	0243	1244	1314	JUN 2	2319	2353	1502	1536	OCT 4	0102	0129	1307	1334
6	0209	0238	1249	1319	6	2318	2352	1505	1539	8	0106	0134	1300	1328
10	0204	0233	1255	1324	10	2316	2351	1507	1542	12	0111	0139	1253	1321
14	0159	0228	1300	1329	14	2316	2350	1510	1544	16	0115	0143	1246	1315
18	0154	0222	1305	1334	18	2316	2350	1511	1546	20	0120	0148	1240	1308
22	0148	0217	1310	1339	22	2316	2351	1512	1547	24	0124	0153	1234	1303
26	0142	0210	1315	1343	26	2318	2352	1512	1547	28	0129	0158	1228	1257
					30	2319	2354	1512	1547					
MAR 2	0136	0204	1320	1348	JUL 4	2322	2356	1511	1546	NOV 1	0134	0203	1223	1252
6	0129	0157	1325	1353	8	2325	2359	1510	1544	5	0139	0208	1218	1247
10	0123	0150	1330	1358	12	2328	0002	1508	1542	9	0143	0213	1213	1243
14	0116	0144	1335	1403	16	2332	0005	1506	1539	13	0148	0218	1209	1239
18	0109	0137	1339	1407	20	2336	0009	1503	1536	17	0153	0223	1205	1236
22	0102	0130	1344	1412	24	2340	0012	1459	1532	21	0158	0228	1202	1233
26	0055	0123	1349	1417	28	2344	0016	1455	1527	25	0202	0233	1200	1231
30	0047	0116	1353	1422						29	0206	0237	1158	1239
APR 3	0040	0109	1358	1426	AUG 1	2349	0020	1451	1522	DEC 3	0210	0242	1157	1228
7	0033	0102	1403	1431	5	2353	0025	1446	1517	7	0214	0246	1156	1227
11	0026	0055	1407	1436	9	2358	0018	1441	1511	11	0218	0249	1156	1228
15	0019	0048	1412	1441	13	0003	0033	1435	1505	15	0221	0252	1157	1228
19	0013	0042	1416	1446	17	0007	0037	1429	1459	19	0223	0255	1158	1230
23	0006	0036	1421	1451	21	0012	0042	1423	1453	23	0225	0257	1200	1232
27	0000	0030	1426	1456	25	0017	0046	1417	1446	27	0227	0259	1202	1234
					29	0021	0050	1410	1439	31	0228	0300	1205	1237

**KARAGANDA
UAKK
494018N 0732007E**

**KARAGANDA
UAKK
494018N 0732007E**

**KARAGANDA
UAKK
494018N 0732007E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0228	0306	1117	1155	MAY 1	2310	2346	1425	1501	SEP 2	2351	0024	1353	1426
5	0228	0306	1121	1159	5	2302	2339	1431	1508	6	2357	0030	1344	1417
9	0227	0304	1126	1203	9	2255	2333	1437	1515	10	0003	0036	1335	1408
13	0225	0302	1131	1208	13	2248	2327	1443	1521	14	0009	0042	1327	1359
17	0223	0259	1137	1214	17	2242	2321	1448	1528	18	0016	0048	1318	1350
21	0219	0256	1143	1219	21	2236	2316	1454	1534	22	0022	0054	1309	1341
25	0216	0251	1150	1225	25	2231	2312	1459	1540	26	0028	0100	1300	1332
29	0211	0246	1156	1231	29	2226	2308	1504	1546	30	0034	0106	1251	1323
FEB 2	0206	0241	1203	1238	JUN 2	2222	2305	1508	1551	OCT 4	0040	0112	1243	1315
6	0201	0235	1210	1244	6	2219	2302	1512	1555	8	0046	0118	1234	1306
10	0155	0229	1217	1251	10	2217	2301	1515	1559	12	0052	0124	1226	1258
14	0148	0222	1224	1257	14	2216	2300	1517	1601	16	0058	0130	1218	1250
18	0141	0215	1231	1304	18	2215	2259	1519	1604	20	0104	0137	1210	1242
22	0134	0207	1237	1310	22	2216	2300	1520	1605	24	0110	0143	1202	1235
26	0127	0159	1244	1317	26	2217	2301	1521	1605	28	0116	0150	1154	1228
					30	2219	2303	1520	1604					
MAR 2	0119	0151	1251	1323	JUL 4	2222	2306	1519	1603	NOV 1	0123	0156	1147	1221
6	0111	0143	1257	1329	8	2226	2309	1517	1600	5	0129	0203	1141	1215
10	0102	0134	1304	1336	12	2230	2313	1515	1557	9	0135	0210	1135	1209
14	0054	0126	1310	1342	16	2235	2317	1511	1553	13	0141	0216	1129	1204
18	0045	0117	1316	1348	20	2241	2322	1507	1548	17	0147	0223	1124	1159
22	0036	0108	1323	1355	24	2246	2327	1503	1543	21	0153	0229	1119	1155
26	0027	0100	1329	1401	28	2252	2332	1458	1537	25	0159	0235	1115	1152
30	0018	0051	1335	1408						29	0204	0241	1112	1149
APR 3	0000	0042	1341	1414	AUG 1	2259	2337	1452	1531	DEC 3	0209	0246	1110	1147
7	0000	0034	1347	1420	5	2305	2343	1446	1524	7	0214	0251	1108	1146
11	2352	0025	1354	1427	9	2312	2349	1439	1516	11	0218	0256	1107	1145
15	2343	0017	1400	1434	13	2318	2355	1432	1509	15	0221	0259	1107	1146
19	2334	0009	1406	1440	17	2325	0001	1425	1500	19	0224	0302	1108	1147
23	2326	0001	1412	1447	21	2332	0007	1417	1452	23	0226	0304	1110	1148
27	2318	2353	1418	1454	25	2338	0012	1409	1444	27	0227	0306	1112	1151
					29	2344	0018	1401	1435	31	0228	0306	1116	1154

KATON-KARAGAY
UASW
491043N 0851458EKATON-KARAGAY
UASW
491043N 0851458EKATON-KARAGAY
UASW
491043N 0851458E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0133	0209	1040	1116	MAY 1	2231	2306	1331	1405	SEP 2	2309	2341	1302	1334
5	0133	0209	1044	1119	5	2224	2259	1337	1412	6	2314	2346	1254	1326
9	0132	0208	1048	1123	9	2218	2253	1342	1418	10	2320	2351	1246	1318
13	0131	0206	1053	1128	13	2212	2248	1348	1424	14	2325	2356	1238	1309
17	0129	0203	1059	1133	17	2206	2243	1353	1429	18	2331	0002	1230	1301
21	0126	0200	1104	1138	21	2201	2238	1358	1435	22	2336	0007	1222	1252
25	0123	0157	1110	1144	25	2156	2234	1402	1440	26	2342	0012	1213	1244
29	0119	0152	1116	1150	29	2152	2231	1407	1445	30	2347	0018	1205	1236
FEB 2	0114	1147	1123	1155	JUN 2	2149	2228	1411	1450	OCT 4	2353	0023	1157	1228
6	0109	0142	1129	1201	6	2146	2226	1414	1454	8	2358	0029	1149	1220
10	0104	0136	1135	1207	10	2145	2225	1417	1457	12	0004	0034	1141	1212
14	0058	0130	1142	1213	14	2143	2224	1419	1500	16	0009	0040	1134	1205
18	0052	0123	1148	1219	18	2143	2224	1421	1502	20	0015	0046	1126	1157
22	0045	0116	1154	1225	22	2144	2224	1422	1503	24	0020	0052	1119	1151
26	0038	0109	1200	1231	26	2145	2225	1423	1503	28	0026	0058	1112	1144
					30	2147	2227	1422	1503					
MAR 2	0031	0101	1206	1237	JUL 4	2149	2230	1421	1501	NOV 1	0032	0104	1106	1138
6	0023	0054	1212	1243	8	2153	2232	1420	1459	5	0038	0110	1100	1132
10	0015	0046	1218	1249	12	2157	2236	1417	1457	9	0043	0116	1054	1127
14	0007	0038	1224	1254	16	2201	2240	1415	1453	13	0049	0122	1049	1122
18	2359	0030	1229	1300	20	2206	2244	1411	1449	17	0054	0128	1044	1118
22	2351	0022	1235	1306	24	2211	2248	1407	1444	21	0100	0134	1040	1115
26	2343	0014	1241	1312	28	2217	2253	1402	1439	25	0105	0140	1037	1112
30	2334	0005	1246	1317						29	0110	0145	1034	1109
APR 3	2326	2357	1252	1323	AUG 1	2222	2258	1357	1433	DEC 3	0115	0150	1032	1107
7	2318	2349	1257	1329	5	2228	2303	1351	1427	7	0119	0154	1031	1106
11	2310	2342	1303	1335	9	2234	2309	1345	1420	11	0123	0158	1030	1106
15	2302	2334	1309	1341	13	2240	2314	1339	1413	15	0126	0202	1031	1106
19	2254	2326	1314	1347	17	2246	2319	1332	1406	19	0129	0205	1032	1107
23	2246	2319	1320	1353	21	2251	2325	1325	1358	23	0131	0207	1033	1109
27	2239	2312	1326	1359	25	2257	2330	1318	1350	27	0132	0208	1036	1112
					29	2303	2335	1310	1342	31	0133	0209	1039	1115

**KENDERLI
UATB
425553N 0523339E**

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425553N 0523339E**

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UATB
425553N 0523339E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0327	0359	1306	1338	MAY 1	0053	0124	1529	1600	SEP 2	0125	0154	1504	1531
5	0327	0359	1310	1341	5	0049	0119	1533	1605	6	0130	0159	1455	1524
9	0327	0359	1314	1345	9	0042	0114	1538	1610	10	0135	0203	1448	1517
13	0326	0357	1318	1350	13	0037	0109	1542	1614	14	0140	0207	1441	1509
17	0324	0356	1323	1354	17	0033	0105	1546	1619	18	0144	0211	1434	1502
21	0322	0353	1328	1359	21	0028	0101	1550	1623	22	0148	0216	1427	1455
25	0320	0350	1333	1403	25	0025	0058	1554	1628	26	0152	0220	1420	1448
29	0316	0357	1338	1408	29	0022	0056	1558	1632	30	0157	0225	1413	1441
FEB 2	0313	0342	1343	1413	JUN 2	0019	0054	1601	1635	OCT 4	0201	0229	1406	1434
6	0308	0338	1349	1428	6	0017	0052	1604	1638	8	0206	0234	1359	1427
10	0304	0333	1354	1423	10	0016	0051	1606	1641	12	0210	0238	1352	1420
14	0259	0328	1359	1428	14	0016	0051	1608	1643	16	0215	0243	1346	1414
18	0253	0322	1404	1433	18	0016	0051	1610	1645	20	0219	0248	1339	1408
22	0248	0316	1410	1438	22	0016	0051	1611	1646	24	0224	0253	1333	1402
26	0242	0310	1415	1443	26	0018	0053	1611	1646	28	0228	0258	1328	1357
					30	0019	0054	1611	1646					
MAR 2	0235	0303	1419	1448	JUL 4	0022	0057	1610	1645	NOV 1	0233	0303	1322	1351
6	0229	0257	1424	1453	8	0025	0059	1609	1643	5	0238	0308	1317	1347
10	0222	0250	1429	1457	12	0028	0102	1607	1641	9	0243	0313	1313	1342
14	0215	0243	1434	1502	16	0032	0105	1604	1638	13	0248	0318	1308	1339
18	0208	0236	1439	1507	20	0035	0109	1601	1635	17	0252	0323	1305	1335
22	0201	0229	1443	1511	24	0040	0113	1558	1631	21	0257	0328	1302	1333
26	0154	0222	1448	1516	28	0044	0117	1554	1626	25	0301	0332	1259	1330
30	0147	0215	1452	1521						29	0306	0337	1257	1329
APR 3	0140	0208	1457	1526	AUG 1	0049	0121	1550	1621	DEC 3	0310	0341	1256	1328
7	0133	0202	1502	1530	5	0053	0125	1545	1616	7	0313	0345	1255	1327
11	0126	0155	1506	1535	9	0058	0129	1539	1611	11	0317	0349	1255	1327
15	0119	0148	1511	1540	13	0103	0133	1534	1605	15	0320	0352	1256	1328
19	0112	0142	1515	1545	17	0107	0138	1528	1558	19	0322	0355	1257	1330
23	0106	0136	1520	1550	21	0112	0142	1522	1552	23	0324	0357	1259	1332
27	0059	0130	1524	1555	25	0117	0146	1515	1545	27	0326	0358	1302	1334
					29	0121	0150	1509	1538	31	0327	0359	1305	1337

KOKSHETAU
UACK
531949N 0693545EKOKSHETAU
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531949N 0693545EKOKSHETAU
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531949N 0693545E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0256	0338	1115	1157	MAY 1	2310	2350	1450	1531	SEP 2	2357	0034	1413	1450
5	0255	0337	1119	1201	5	2301	2343	1457	1539	6	0004	0040	1404	1440
9	0254	0335	1124	1206	9	2253	2335	1504	1547	10	0012	0047	1354	1430
13	0251	0333	1130	1211	13	2245	2328	1511	1555	14	0019	0054	1344	1419
17	0248	0329	1137	1217	17	2237	2322	1518	1603	18	0026	0101	1334	1409
21	0245	0324	1144	1224	21	2230	2316	1524	1610	22	0033	0108	1325	1359
25	0240	0319	1151	1230	25	2223	2310	1530	1617	26	0040	0115	1315	1349
29	0235	0314	1159	1237	29	2217	2306	1536	1624	30	0047	0122	1305	1340
FEB 2	0229	0307	1207	1245	JUN 2	2212	2302	1541	1630	OCT 4	0054	0129	1255	1330
6	0223	0300	1214	1252	6	2208	2259	1545	1635	8	0101	0136	1246	1321
10	0216	0253	1222	1259	10	2205	2257	1549	1640	12	0108	0143	1236	1311
14	0209	0245	1230	1307	14	2203	2255	1552	1643	16	0115	0150	1227	1302
18	0201	0237	1238	1314	18	2203	2255	1554	1646	20	0122	0158	1218	1254
22	0153	0228	1246	1321	22	2203	2255	1555	1647	24	0129	0205	1210	1245
26	0144	0219	1254	1329	26	2204	2257	1555	1647	28	0137	0213	1201	1237
					30	2207	2259	1554	1646					
MAR 2	0135	0210	1301	1336	JUL 4	2211	2302	1553	1644	NOV 1	0144	0220	1153	1230
6	0126	0201	1309	1344	8	2215	2305	1551	1641	5	0151	0228	1146	1223
10	0117	0151	1316	1351	12	2220	2310	1547	1637	9	0158	0236	1138	1216
14	0107	0142	1324	1358	16	2227	2315	1543	1632	13	0205	0243	1132	1210
18	0058	0132	1331	1406	20	2233	2320	1539	1626	17	0212	0251	1126	1205
22	0048	0122	1338	1413	24	2240	2326	1533	1619	21	0218	0258	1120	1200
26	0038	0113	1345	1420	28	2248	2332	1527	1612	25	0224	0305	1116	1156
30	0028	0103	1353	1428						29	0230	0311	1112	1153
APR 3	0018	0053	1400	1435	AUG 1	2255	2339	1520	1604	DEC 3	0236	0317	1109	1150
7	0008	0044	1407	1443	5	2303	2345	1513	1556	7	0241	0323	1106	1148
11	2358	0034	1414	1451	9	2311	2352	1506	1547	11	0245	0328	1105	1147
15	2348	0025	1421	1458	13	2319	2359	1458	1538	15	0249	0331	1105	1147
19	2338	0016	1429	1506	17	2327	0006	1449	1529	19	0252	0335	1105	1148
23	2329	0007	1436	1514	21	2334	0013	1441	1519	23	0254	0337	1107	1150
27	2319	2359	1443	1522	25	2342	0020	1432	1509	27	0255	0338	1110	1152
					29	2350	0027	1423	1500	31	0256	0338	1113	1156

KOSTANAY
UAUU
531231N 0633253E

KOSTANAY
UAUU
531231N 0633253E

KOSTANAY
UAUU
531231N 0633253E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0319	0401	1138	1220	MAY 1	2333	0014	1513	1553	SEP 2	0020	0057	1436	1512
5	0318	0400	1142	1224	5	2325	0006	1520	1601	6	0028	0104	1427	1502
9	0317	0358	1148	1229	9	2316	2358	1527	1609	10	0035	0110	1417	1452
13	0314	0355	1154	1235	13	2308	2351	1534	1617	14	0042	0117	1407	1442
17	0311	0352	1200	1241	17	2300	2345	1541	1625	18	0049	0124	1357	1432
21	0307	0347	1207	1247	21	2253	2339	1547	1633	22	0056	0131	1348	1422
25	0303	0342	1215	1254	25	2247	2334	1553	1640	26	0103	0138	1338	1412
29	0258	0336	1222	1301	29	2241	2329	1558	1647	30	0110	0145	1328	1403
FEB 2	0252	0330	1230	1308	JUN 2	2236	2325	1603	1653	OCT 4	0117	0152	1318	1353
6	0246	0323	1238	1315	6	2232	2322	1608	1658	8	0124	0159	1309	1344
10	0239	0316	1246	1322	10	2229	2320	1611	1702	12	0131	0206	1259	1334
14	0231	0308	1253	1330	14	2227	2319	1614	1706	16	0138	0213	1250	1325
18	0224	0300	1301	1337	18	2226	2318	1616	1708	20	0145	0221	1241	1317
22	0216	0251	1309	1345	22	2227	2319	1617	1710	24	0152	0228	1233	1308
26	0207	0242	1317	1352	26	2228	2320	1618	1710	28	0159	0236	1224	1301
					30	2231	2322	1617	1709					
MAR 2	0158	0233	1324	1359	JUL 4	2234	2325	1616	1707	NOV 1	0207	0243	1216	1253
6	0149	0224	1332	1407	8	2239	2329	1613	1703	5	0214	0251	1209	1246
10	0140	0214	1339	1414	12	2244	2333	1610	1659	9	0221	0259	1202	1239
14	0130	0205	1347	1421	16	2250	2338	1606	1654	13	0228	0306	1155	1233
18	0121	0155	1354	1429	20	2257	2344	1601	1648	17	0234	0313	1149	1228
22	0111	0145	1401	1436	24	2304	2349	1556	1641	21	0241	0321	1144	1223
26	0101	0136	1408	1443	28	2311	2356	1550	1634	25	0247	0328	1139	1219
30	0051	0126	1416	1451						29	0253	0334	1135	1216
APR 3	0041	0116	1423	1458	AUG 1	2319	0002	1543	1626	DEC 3	0259	0340	1132	1213
7	0031	0107	1430	1506	5	2326	0009	1536	1618	7	0304	0345	1130	1212
11	0021	0057	1437	1513	9	2334	0015	1528	1610	11	0308	0350	1129	1211
15	0011	0048	1444	1521	13	2342	0022	1520	1601	15	0312	0354	1128	1211
19	0001	0039	1451	1529	17	2350	0029	1512	1551	19	0315	0357	1129	1212
23	2352	0030	1459	1537	21	2358	0036	1503	1542	23	0317	0359	1131	1213
27	2343	0022	1506	1545	25	0005	0043	1455	1532	27	0318	0401	1133	1216
					29	0013	0050	1445	1522	31	0319	0401	1137	1219

KYZYLORDA
UAOO
444223N 0653527EKYZYLORDA
UAOO
444223N 0653527EKYZYLORDA
UAOO
444223N 0653527E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0242	0316	1208	1241	MAY 1	2357	0029	1442	1514	SEP 2	0031	0101	1416	1446
5	0242	0316	1211	1244	5	2351	0024	1447	1519	6	0036	0106	1408	1438
9	0242	0315	1215	1248	9	2345	0018	1452	1525	10	0041	0111	1401	1431
13	0241	0313	1220	1253	13	2340	0013	1456	1530	14	0046	0115	1353	1423
17	0239	0311	1225	1257	17	2335	0009	1501	1535	18	0051	0120	1346	1415
21	0237	0309	1230	1302	21	2330	0005	1505	1540	22	0056	0125	1338	1407
25	0234	0305	1236	1307	25	2326	0001	1510	1545	26	0100	0129	1331	1400
29	0230	0302	1241	1313	29	2323	2358	1513	1549	30	0105	0134	1323	1352
FEB 2	0226	0257	1247	1318	JUN 2	2320	2356	1517	1553	OCT 4	0110	0139	1315	1345
6	0222	0252	1253	1323	6	2318	2354	1520	1557	8	0115	0144	1308	1337
10	0217	0247	1258	1329	10	2316	2353	1523	1600	12	0120	0149	1301	1330
14	0211	0242	1304	1334	14	2315	2352	1525	1602	16	0125	0154	1254	1323
18	0206	0236	1310	1340	18	2315	2352	1527	1604	20	0130	0159	1247	1317
22	0200	0229	1315	1345	22	2316	2353	1528	1605	24	0135	0204	1241	1311
26	0153	0223	1321	1350	26	2317	2354	1528	1605	28	0140	0210	1234	1305
					30	2319	2356	1528	1605					
MAR 2	0146	0216	1326	1355	JUL 4	2321	2358	1527	1604	NOV 1	0145	0215	1229	1259
6	0139	0209	1331	1401	8	2324	0001	1526	1602	5	0150	0221	1223	1254
10	0132	0201	1337	1406	12	2328	0004	1524	1600	9	0155	0226	1218	1249
14	0125	0154	1342	1411	16	2332	0007	1521	1557	13	0200	0232	1214	1245
18	0117	0147	1347	1416	20	2336	0011	1518	1553	17	0206	0237	1210	1241
22	0110	0139	1352	1421	24	2340	0015	1514	1598	21	0211	0243	1206	1238
26	0102	0132	1357	1426	28	2345	0019	1510	1544	25	0215	0248	1203	1236
30	0055	0124	1402	1431						29	0220	0253	1201	1234
APR 3	0047	0117	1407	1436	AUG 1	2350	0024	1506	1539	DEC 3	0224	0257	1159	1232
7	0039	0109	1412	1442	5	2355	0028	1501	1534	7	0228	0301	1158	1231
11	0032	0102	1417	1447	9	0000	0033	1455	1528	11	0232	0305	1158	1231
15	0025	0055	1422	1452	13	0006	0038	1449	1521	15	0235	0308	1158	1232
19	0017	0048	1427	1458	17	0011	0042	1443	1515	19	0238	0311	1159	1233
23	0010	0042	1432	1503	21	0016	0047	1437	1508	23	0240	0313	1201	1235
27	0004	0035	1437	1508	25	0021	0052	1430	1501	27	0241	0315	1203	1237
					29	0026	0057	1423	1453	31	0242	0316	1206	1240

**PALVODAR
UASP
521143N 0770424E**

**PALVODAR
UASP
521143N 0770424E**

**PALVODAR
UASP
521143N 0770424E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0222	0303	1049	1131	MAY 1	2244	2323	1417	1456	SEP 2	2329	0005	1341	1417
5	0221	0302	1054	1135	5	2236	2316	1423	1503	6	2336	0012	1332	1407
9	0220	0300	1059	1139	9	2228	2309	1430	1511	10	2343	0018	1323	1357
13	0218	0257	1105	1145	13	2220	2302	1437	1519	14	2350	0025	1313	1348
17	0215	0254	1111	1150	17	2213	2256	1443	1526	18	2357	0031	1304	1338
21	0211	0250	1118	1157	21	2206	2250	1449	1533	22	0004	0038	1254	1328
25	0207	0245	1125	1203	25	2200	2245	1455	1540	26	0011	0044	1245	1318
29	0202	0239	1132	1210	29	2155	2241	1500	1546	30	0017	0051	1235	1309
FEB 2	0156	0233	1140	1217	JUN 2	2150	2237	1505	1552	OCT 4	0024	0058	1226	1300
6	0150	0227	1147	1224	6	2146	2234	1509	1557	8	0031	0105	1217	1250
10	0144	0220	1155	1231	10	2144	2232	1512	1601	12	0037	0111	1207	1242
14	0137	0212	1202	1238	14	2142	2231	1515	1605	16	0044	0118	1159	1233
18	0129	0204	1210	1245	18	2141	2231	1517	1607	20	0051	0126	1150	1224
22	0121	0156	1217	1252	22	2141	2231	1518	1608	24	0058	0133	1141	1216
26	0113	0147	1225	1259	26	2143	2232	1519	1608	28	0105	0140	1133	1209
					30	2145	2234	1518	1607					
MAR 2	0104	0139	1232	1306	JUL 4	2149	2237	1517	1605	NOV 1	0111	0147	1126	1201
6	0056	0130	1239	1313	8	2153	2241	1515	1603	5	0118	0155	1118	1155
10	0047	0120	1247	1320	12	2158	2245	1512	1559	9	0125	0202	1112	1148
14	0037	0111	1254	1327	16	2204	2250	1508	1554	13	0132	0209	1105	1143
18	0028	0102	1301	1334	20	2210	2255	1503	1548	17	0138	0216	1059	1137
22	0018	0052	1308	1342	24	2216	2300	1458	1542	21	0145	0223	1054	1133
26	0009	0043	1314	1349	28	2223	2306	1452	1535	25	0151	0230	1050	1129
30	2359	0034	1321	1356						29	0157	0236	1046	1126
APR 3	2350	0024	1328	1403	AUG 1	2231	0012	1546	1528	DEC 3	0202	0242	1043	1123
7	2340	0015	1335	1410	5	2238	2319	1439	1520	7	0207	0247	1041	1122
11	2330	0006	1342	1418	9	2245	2325	1432	1512	11	0211	0252	1040	1121
15	2321	2357	1349	1425	13	2253	2332	1424	1503	15	0215	0256	1040	1121
19	2311	2348	1356	1433	17	2300	2338	1416	1454	19	0218	0259	1041	1122
23	2302	2340	1403	1440	21	2308	2345	1408	1445	23	0220	0301	1042	1124
27	2253	2331	1410	1448	25	2315	2352	1359	1436	27	0221	0302	1045	1126
					29	2322	2358	1350	1426	31	0222	0303	1048	1129

PETROPAVLOVSK
UACP
544632N 0691110EPETROPAVLOVSK
UACP
544632N 0691110EPETROPAVLOVSK
UACP
544632N 0691110E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0303	0348	1106	1151	MAY 1	2303	2346	1457	1539	SEP 2	2353	0032	1417	1455
5	0303	0347	1111	1155	5	2253	2337	1504	1548	6	0001	0039	1407	1445
9	0301	0345	1117	1201	9	2244	2329	1512	1557	10	0009	0046	1357	1434
13	0258	0342	1123	1206	13	2235	2322	1519	1606	14	0017	0054	1347	1423
17	0255	0338	1130	1213	17	2227	2315	1527	1614	18	0025	0101	1336	1413
21	0251	0333	1137	1219	21	2219	2308	1533	1623	22	0032	0108	1326	1402
25	0246	0327	1145	1226	25	2212	2303	1540	1631	26	0040	0116	1316	1352
29	0240	0321	1153	1234	29	2205	2257	1546	1638	30	0047	0123	1305	1341
FEB 2	0234	0314	1202	1241	JUN 2	2159	2253	1551	1645	OCT 4	0055	0131	1255	1331
6	0227	0306	1210	1249	6	2155	2250	1556	1651	8	0102	0138	1245	1321
10	0220	0259	1218	1257	10	2151	2247	1600	1656	12	0110	0146	1235	1311
14	0212	0250	1227	1305	14	2149	2246	1603	1700	16	0117	0154	1225	1302
18	0204	0241	1235	1313	18	2148	2245	1605	1703	20	0125	0202	1216	1253
22	0155	0232	1244	1320	22	2148	2246	1606	1704	24	0133	0210	1207	1244
26	0146	0223	1252	1328	26	2149	2247	1607	1704	28	0140	0218	1158	1236
					30	2152	2249	1606	1703					
MAR 2	0137	0213	1300	1336	JUL 4	2156	2252	1604	1700	NOV 1	0148	0226	1149	1228
6	0127	0203	1308	1344	8	2201	2256	1601	1656	5	0155	0234	1141	1220
10	0118	0154	1316	1352	12	2207	2301	1558	1652	9	0203	0242	1134	1213
14	0107	0143	1324	1400	16	2214	2306	1553	1646	13	0210	0250	1126	1207
18	0057	0133	1332	1408	20	2222	2312	1548	1639	17	0217	0258	1120	1201
22	0047	0123	1339	1416	24	2229	2319	1542	1632	21	0224	0306	1114	1156
26	0036	0113	1347	1423	28	2238	2325	1536	1623	25	0231	0313	1109	1151
30	0026	0103	1355	1431						29	0237	0320	1104	1148
APR 3	0015	0052	1403	1440	AUG 1	2246	2332	1529	1615	DEC 3	0143	0327	1101	1145
7	0005	0042	1410	1448	5	2255	2340	1521	1606	7	0248	0333	1058	1143
11	2354	0032	1418	1456	9	2303	2347	1513	1556	11	0253	0338	1057	1142
15	2344	0023	1426	1505	13	2312	2354	1504	1547	15	0257	0342	1056	1142
19	2333	0013	1433	1513	17	2320	0002	1455	1537	19	0300	0345	1057	1142
23	2323	0004	1441	1522	21	2329	0009	1446	1527	23	0302	0347	1059	1144
27	2313	2354	1449	1531	25	2337	0017	1437	1516	27	0303	0348	1101	1146
					29	2345	0024	1427	1506	31	0304	0349	1105	1150

**SATPAY
UASI
473654N 0843414E**

**SATPAY
UASI
473654N 0843414E**

**SATPAY
UASI
473654N 0843414E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0133	0209	1040	1116	MAY 1	2231	2306	1331	1405	SEP 2	2309	2341	1302	1334
5	0133	0209	1044	1119	5	2224	2259	1337	1412	6	2314	2346	1254	1326
9	0132	0208	1048	1123	9	2218	2253	1342	1418	10	2320	2351	1246	1318
13	0131	0206	1053	1128	13	2212	2248	1348	1424	14	2325	2356	1238	1309
17	0129	0203	1059	1133	17	2206	2243	1353	1429	18	2331	0002	1230	1301
21	0126	0200	1104	1138	21	2201	2238	1358	1435	22	2336	0007	1222	1252
25	0123	0157	1110	1144	25	2156	2234	1402	1440	26	2342	0012	1213	1244
29	0119	0152	1116	1150	29	2152	2231	1407	1445	30	2347	0018	1205	1236
FEB 2	0114	1147	1123	1155	JUN 2	2149	2228	1411	1450	OCT 4	2353	0023	1157	1228
6	0109	0142	1129	1201	6	2146	2226	1414	1454	8	2358	0029	1149	1220
10	0104	0136	1135	1207	10	2145	2225	1417	1457	12	0004	0034	1141	1212
14	0058	0130	1142	1213	14	2143	2224	1419	1500	16	0009	0040	1134	1205
18	0052	0123	1148	1219	18	2143	2224	1421	1502	20	0015	0046	1126	1157
22	0045	0116	1154	1225	22	2144	2224	1422	1503	24	0020	0052	1119	1151
26	0038	0109	1200	1231	26	2145	2225	1423	1503	28	0026	0058	1112	1144
					30	2147	2227	1422	1503					
MAR 2	0031	0101	1206	1237	JUL 4	2149	2230	1421	1501	NOV 1	0032	0104	1106	1138
6	0023	0054	1212	1243	8	2153	2232	1420	1459	5	0038	0110	1100	1132
10	0015	0046	1218	1249	12	2157	2236	1417	1457	9	0043	0116	1054	1127
14	0007	0038	1224	1254	16	2201	2240	1415	1453	13	0049	0122	1049	1122
18	2359	0030	1229	1300	20	2206	2244	1411	1449	17	0054	0128	1044	1118
22	2351	0022	1235	1306	24	2211	2248	1407	1444	21	0100	0134	1040	1115
26	2343	0014	1241	1312	28	2217	2253	1402	1439	25	0105	0140	1037	1112
30	2334	0005	1246	1317						29	0110	0145	1034	1109
APR 3	2326	2357	1252	1323	AUG 1	2222	2258	1357	1433	DEC 3	0115	0150	1032	1107
7	2318	2349	1257	1329	5	2228	2303	1351	1427	7	0119	0154	1031	1106
11	2310	2342	1303	1335	9	2234	2309	1345	1420	11	0123	0158	1030	1106
15	2302	2334	1309	1341	13	2240	2314	1339	1413	15	0126	0202	1031	1106
19	2254	2326	1314	1347	17	2246	2319	1332	1406	19	0129	0205	1032	1107
23	2246	2319	1320	1353	21	2251	2325	1325	1358	23	0131	0207	1033	1109
27	2239	2312	1326	1359	25	2257	2330	1318	1350	27	0132	0208	1036	1112
					29	2303	2335	1310	1342	31	0133	0209	1039	1115

SEMEY
UASS
502106N 0801402ESEMEY
UASS
502106N 0801402ESEMEY
UASS
502106N 0801402E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0202	0240	1046	1124	MAY 1	2239	2316	1358	1435	SEP 2	2321	2355	1325	1359
5	0201	0240	1050	1128	5	2231	2309	1404	1442	6	2327	0001	1316	1350
9	0200	0238	1055	1133	9	2224	2302	1410	1449	10	2334	0007	1308	1341
13	0158	0236	1100	1138	13	2217	2256	1416	1456	14	2340	0013	1259	1332
17	0156	0233	1106	1143	17	2210	2251	1422	1502	18	2346	0019	1250	1322
21	0153	0229	1112	1149	21	2204	2245	1428	1509	22	2352	0025	1241	1313
25	0149	0225	1119	1155	25	2159	2241	1433	1515	26	2359	0031	1232	1304
29	0144	0220	1126	1201	29	2154	2237	1438	1521	30	0005	0037	1223	1255
FEB 2	0139	0214	1133	1208	JUN 2	2150	2234	1442	1526	OCT 4	0011	0043	1214	1246
6	0133	0208	1140	1214	6	2147	2231	1446	1530	8	0017	0050	1205	1238
10	0127	0202	1147	1221	10	2144	2229	1449	1534	12	0023	0056	1157	1229
14	0121	0155	1154	1228	14	2143	2228	1452	1537	16	0030	0103	1148	1221
18	0114	0147	1201	1234	18	2142	2228	1454	1539	20	0036	0109	1140	1213
22	0106	0139	1208	1241	22	2143	2228	1455	1540	24	0042	0116	1132	1206
26	0058	0131	1215	1248	26	2144	2230	1455	1541	28	0049	0122	1125	1158
					30	2146	2232	1455	1540					
MAR 2	0050	0123	1221	1254	JUL 4	2150	2234	1454	1538	NOV 1	0055	0129	1117	1152
6	0042	0115	1228	1301	8	2153	2237	1452	1536	5	0101	0136	1111	1145
10	0034	0106	1235	1307	12	2158	2241	1449	1532	9	0108	0143	1104	1139
14	0025	0057	1241	1314	16	2203	2246	1446	1528	13	0114	0150	1059	1134
18	0016	0049	1248	1320	20	2209	2250	1441	1523	17	0120	0156	1053	1129
22	0007	0040	1254	1327	24	2214	2256	1437	1518	21	0126	0203	1049	1125
26	2358	0031	1300	1333	28	2221	2301	1431	1512	25	0132	0209	1045	1122
30	2349	0022	1307	1340						29	0137	0215	1041	1119
APR 3	2340	0013	1313	1346	AUG 1	2227	2307	1426	1505	DEC 3	0142	0220	1039	1117
7	2331	0004	1319	1353	5	2234	2312	1419	1458	7	0147	0225	1037	1115
11	2322	2356	1326	1400	9	2241	2318	1413	1450	11	0151	0230	1036	1115
15	2313	2347	1332	1407	13	2247	2324	1405	1442	15	0154	0233	1036	1115
19	2304	2339	1339	1414	17	2254	2330	1358	1434	19	0157	0236	1037	1116
23	2256	2331	1345	1421	21	2301	2337	1350	1426	23	0159	0238	1039	1118
27	2247	2323	1351	1428	25	2308	2343	1342	1417	27	0201	0240	1041	1120
					29	2314	2349	1334	1408	31	0201	0240	1044	1123

SHYMKENT
UAI
422154N 0692832E

SHYMKENT
UAI
422154N 0692832E

SHYMKENT
UAI
422154N 0692832E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0220	0251	1200	1231	MAY 1	2348	0019	1420	1451	SEP 2	0019	0048	1357	1426
5	0220	0251	1203	1235	5	2342	0013	1425	1456	6	0024	0052	1350	1419
9	0220	0251	1207	1239	9	2337	0008	1429	1501	10	0028	0056	1343	1412
13	0219	0250	1211	1243	13	2332	0004	1434	1506	14	0032	0101	1336	1404
17	0217	0248	1216	1247	17	2328	0000	1438	1510	18	0037	0105	1329	1357
21	0215	0246	1221	1252	21	2324	2356	1442	1515	22	0041	0109	1322	1350
25	0113	0243	1226	1256	25	2320	2353	1446	1519	26	0045	0113	1315	1343
29	0209	0240	1231	1301	29	2317	2350	1449	1523	30	0050	0117	1308	1336
FEB 2	0206	0236	1236	1306	JUN 2	2314	2348	1453	1526	OCT 4	0054	0122	1301	1429
6	0202	0231	1242	1311	6	2313	2347	1455	1530	8	0058	0126	1254	1322
10	0157	0226	1247	1316	10	2311	2346	1458	1532	12	0103	0131	1247	1315
14	0152	0221	1252	1321	14	2311	2345	1500	1535	16	0107	0135	1241	1309
18	0147	0216	1257	1326	18	2311	2345	1502	1536	20	0112	0140	1234	1303
22	0141	0210	1302	1331	22	2311	2346	1503	1537	24	0116	0145	1228	1357
26	0136	0204	1307	1336	26	2312	2347	1503	1538	28	0121	0150	1223	1351
					30	2314	2349	1503	1538					
MAR 2	0129	0157	1312	1340	JUL 4	2316	2351	1502	1537	NOV 1	0126	0155	1217	1246
6	0123	0151	1317	1345	8	2319	2353	1501	1535	5	0130	0200	1212	1242
10	0116	0144	1322	1350	12	2322	2356	1459	1533	9	0135	0205	1208	1237
14	0109	0137	1326	1354	16	2326	2359	1457	1531	13	0140	0210	1204	1234
18	0102	0130	1331	1359	20	2330	0003	1454	1528	17	0145	0215	1200	1230
22	0055	0123	1335	1403	24	2334	0006	1451	1524	21	0149	0220	1157	1227
26	0048	0116	1340	1408	28	2338	0010	1447	1520	25	0154	0225	1154	1225
30	0041	0109	1344	1413						29	0158	0229	1152	1223
APR 3	0034	0102	1349	1417	AUG 1	2342	0014	1443	1515	DEC 3	0202	0233	1151	1222
7	0027	0056	1353	1422	5	2347	0018	1438	1510	7	0206	0237	1150	1222
11	0020	0049	1358	1427	9	2352	0023	1433	1504	11	0209	0241	1150	1222
15	0013	0042	1402	1431	13	2356	0027	1428	1459	15	0212	0244	1151	1222
19	0007	0036	1407	1436	17	0001	0031	1422	1452	19	0215	0247	1152	1224
23	0000	0030	1411	1441	21	0006	0035	1416	1446	23	0217	0249	1153	1225
27	2354	0024	1416	1446	25	0010	0040	1410	1440	27	0218	0250	1156	1228
					29	0015	0044	1404	1433	31	0219	0251	1159	1231

TALDYKORGAN
UAAT
450721N 0782634ETALDYKORGAN
UAAT
450721N 0782634ETALDYKORGAN
UAAT
450721N 0782634E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0152	0226	1115	1149	MAY 1	2305	2337	1351	1424	SEP 2	2339	0010	1325	1355
5	0152	0226	1119	1152	5	2259	2332	1356	1429	6	2345	0015	1318	1348
9	0151	0225	1123	1156	9	2253	2326	1401	1435	10	2349	0019	1310	1340
13	0150	0223	1128	1201	13	2247	2321	1406	1440	14	2354	0024	1303	1332
17	0149	0221	1133	1205	17	2242	2317	1411	1445	18	2359	0029	1255	1324
21	0146	0218	1138	1210	21	2238	2313	1415	1450	22	0004	0033	1247	1316
25	0143	0215	1144	1216	25	2234	2309	1419	1455	26	0009	0038	1239	1319
29	0140	0211	1149	1221	29	2230	2306	1423	1459	30	0014	0043	1232	1301
FEB 2	0136	0207	1155	1226	JUN 2	2227	2304	1427	1503	OCT 4	0019	0048	1224	1254
6	0131	0202	1201	1232	6	2225	2302	1430	1507	8	0024	0053	1217	1246
10	0126	0157	1206	1237	10	2224	2301	1433	1510	12	0029	0058	1210	1239
14	0121	0151	1212	1243	14	2223	2300	1435	1512	16	0034	0103	1202	1232
18	0115	0145	1218	1248	18	2223	2300	1437	1514	20	0039	0108	1156	1225
22	0109	0139	1224	1253	22	2223	2301	1438	1515	24	0044	0114	1149	1219
26	0102	0132	1229	1259	26	2224	2302	1438	1516	28	0049	0119	1143	1213
					30	2226	2303	1438	1515					
MAR 2	0055	0125	1235	1304	JUL 4	2229	2306	1437	1514	NOV 1	0054	0125	1137	1208
6	0048	0118	1240	1309	8	2232	2308	1436	1513	5	0059	0130	1131	1202
10	0041	0111	1245	1315	12	2235	2311	1434	1510	9	0105	0136	1126	1158
14	0034	0103	1250	1320	16	2239	2315	1431	1507	13	0110	0141	1122	1153
18	0026	0056	1256	1325	20	2243	2319	1428	1504	17	0115	0147	1118	1150
22	0019	0048	1301	1330	24	2248	2323	1424	1459	21	0120	0152	1114	1146
26	0011	0040	1306	1335	28	2253	2327	1420	1455	25	0125	0157	1111	1144
30	0003	0033	1311	1340						29	0130	0202	1109	1142
APR 3	2356	0025	1316	1346	AUG 1	2258	2332	1415	1449	DEC 3	0134	0207	1107	1140
7	2348	0018	1321	1351	5	2303	2336	1410	1444	7	0138	0211	1106	1139
11	2340	0011	1326	1356	9	2308	2341	1405	1438	11	0141	0215	1106	1139
15	2333	0004	1331	1402	13	2314	2346	1359	1431	15	0145	0218	1106	1140
19	2326	2357	1336	1407	17	2319	2351	1353	1425	19	0147	0221	1107	1141
23	2319	2350	1341	1413	21	2324	2355	1346	1418	23	0149	0223	1109	1143
27	2312	2344	1346	1418	25	2329	0000	1339	1410	27	0151	0225	1111	1145
					29	2334	0005	1332	1403	31	0152	0226	1114	1148

**TARAZ
UADD
425116N 0711808E**

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425116N 0711808E**

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425116N 0711808E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0214	0246	1151	1223	MAY 1	2340	0011	1415	1446	SEP 2	0012	0041	1351	1420
5	0214	0246	1155	1227	5	2334	0005	1419	1451	6	0016	0045	1344	1413
9	0214	0246	1159	1230	9	2328	0000	1424	1456	10	0021	0049	1337	1405
13	0213	0245	1203	1235	13	2323	2356	1428	1501	14	0025	0054	1330	1358
17	0212	0243	1208	1239	17	2319	2352	1433	1505	18	0029	0058	1322	1351
21	0210	0241	1213	1244	21	2315	2348	1437	1510	22	0034	0102	1315	1343
25	0207	0238	1218	1248	25	2311	2345	1441	1514	26	0038	0106	1308	1336
29	0204	0234	1223	1253	29	2308	2342	1444	1518	30	0043	0111	1301	1329
FEB 2	0200	0230	1228	1258	JUN 2	2305	2340	1448	1522	OCT 4	0047	0115	1254	1322
6	0156	0226	1234	1303	6	2303	2338	1451	1525	8	0051	0120	1247	1315
10	0151	0221	1239	1309	10	2302	2337	1453	1528	12	0056	0124	1240	1308
14	0146	0215	1244	1314	14	2301	2336	1455	1530	16	0101	0129	1233	1302
18	0141	0210	1250	1319	18	2301	2336	1457	1532	20	0105	0134	1227	1255
22	0135	0204	1255	1324	22	2302	2337	1458	1533	24	0110	0139	1221	1250
26	0129	0158	1300	1328	26	2303	2338	1458	1533	28	0115	0144	1215	1244
					30	2305	2340	1458	1533					
MAR 2	0123	0151	1305	1333	JUL 4	2307	2342	1458	1532	NOV 1	0119	0149	1209	1239
6	0116	0145	1310	1338	8	2310	2344	1456	1531	5	0124	0154	1204	1234
10	0109	0138	1315	1343	12	2313	2347	1455	1529	9	0129	0159	1200	1230
14	0102	0131	1319	1348	16	2317	2351	1452	1526	13	0134	0204	1155	1226
18	0055	0124	1324	1352	20	2321	2354	1449	1523	17	0139	0209	1152	1222
22	0048	0117	1329	1357	24	2325	2358	1446	1519	21	0144	0214	1149	1219
26	0041	0109	1333	1402	28	2329	0002	1442	1515	25	0148	0219	1146	1217
30	0034	0102	1338	1406						29	0152	0224	1144	1215
APR 3	0027	0055	1342	1411	AUG 1	2334	0006	1438	1510	DEC 3	0157	0228	1142	1214
7	0019	0048	1347	1416	5	2338	0010	1433	1505	7	0200	0232	1142	1214
11	0012	0042	1352	1421	9	2343	0015	1428	1459	11	0204	0236	1141	1214
15	0005	0035	1356	1426	13	2348	0019	1422	1453	15	0207	0239	1142	1214
19	2359	0028	1401	1431	17	2353	0023	1417	1447	19	0209	0242	1143	1215
23	2352	0022	1406	1436	21	2358	0028	1410	1441	23	0212	0244	1145	1217
27	2346	0016	1410	1441	25	0002	0032	1404	1434	27	0213	0245	1147	1219
					29	0007	0036	1358	1427	31	0214	0246	1150	1222

TENGIS
UATZ
461807N 0532539ETENGIS
UATZ
461807N 0532539ETENGIS
UATZ
461807N 0532539E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0335	0410	1250	1325	MAY 1	0040	0113	1535	1609	SEP 2	0118	0149	1505	1536
5	0335	0410	1254	1328	5	0033	0107	1540	1614	6	0123	0154	1457	1528
9	0335	0409	1258	1332	9	0027	0101	1546	1620	10	0129	0159	1449	1520
13	0334	0408	1303	1337	13	0021	0056	1551	1626	14	0134	0204	1441	1512
17	0332	0405	1308	1342	17	0016	0052	1556	1631	18	0139	0209	1434	1504
21	0329	0402	1314	1347	21	0011	0047	1600	1637	22	0144	0214	1426	1456
25	0326	0359	1319	1352	25	0007	0044	1605	1642	26	0149	0219	1418	1448
29	0322	0355	1325	1358	29	0003	0041	1609	1646	30	0154	0224	1410	1440
FEB 2	0318	0350	1331	1403	JUN 2	0000	0038	1612	1650	OCT 4	0200	0229	1402	1432
6	0313	0345	1337	1409	6	2358	0036	1616	1654	8	0205	0235	1354	1424
10	0308	0339	1343	1415	10	2356	0035	1618	1657	12	0210	0240	1347	1417
14	0302	0334	1349	1420	14	2356	0034	1620	1659	16	0215	0246	1339	1410
18	0256	0327	1355	1426	18	2356	0035	1622	1701	20	0221	0251	1332	1403
22	0250	0320	1401	1432	22	2356	0035	1623	1702	24	0226	0257	1325	1356
26	0243	0314	1407	1437	26	2358	0036	1623	1702	28	0231	0303	1319	1350
					30	0000	0038	1623	1702					
MAR 2	0234	0305	1414	1444	JUL 4	0002	0041	1622	1700	NOV 1	0237	0308	1313	1344
6	0227	0257	1420	1450	8	0006	0044	1620	1658	5	0242	0314	1307	1339
10	0219	0249	1425	1455	12	0009	0047	1618	1656	9	0248	0320	1302	1334
14	0212	0242	1431	1501	16	0014	0051	1615	1652	13	0253	0326	1257	1330
18	0204	0234	1436	1506	20	0018	0055	1612	1648	17	0259	0332	1253	1326
22	0156	0226	1442	1512	24	0023	0059	1608	1644	21	0304	0337	1249	1322
26	0148	0218	1447	1517	28	0028	0104	1603	1639	25	0309	0342	1246	1320
30	0140	0210	1452	1523						29	0314	0348	1244	1318
APR 3	0132	0203	1458	1528	AUG 1	0034	0109	1558	1633	DEC 3	0318	0352	1242	1316
7	0124	0155	1503	1534	5	0039	0114	1553	1627	7	0322	0357	1241	1316
11	0116	0147	1508	1540	9	0045	0119	1547	1620	11	0326	0400	1241	1315
15	0108	0140	1514	1545	13	0050	0124	1540	1614	15	0329	0404	1241	1316
19	0101	0133	1519	1551	17	0056	0129	1534	1607	19	0331	0406	1242	1317
23	0054	0126	1524	1557	21	0102	0134	1527	1559	23	0333	0408	1244	1319
27	0046	0119	1530	1603	25	0107	0139	1520	1552	27	0335	0410	1247	1322
					29	0113	0144	1513	1544	31	0335	0410	1250	1325

**TURKISTAN
UAIT
431840N 0683301E**

**TURKISTAN
UAIT
431840N 0683301E**

**TURKISTAN
UAIT
431840N 0683301E**

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0227	0300	1201	1233	MAY 1	2349	0020	1428	1500	SEP 2	0023	0053	1402	1431
5	0227	0300	1204	1237	5	2343	0015	1433	1505	6	0028	0057	1355	1424
9	0227	0259	1208	1241	9	2338	0010	1438	1510	10	0032	0101	1347	1416
13	0226	0258	1213	1245	13	2332	0005	1442	1515	14	0037	0106	1340	1409
17	0224	0256	1218	1249	17	2328	0001	1446	1520	18	0041	0110	1333	1401
21	0222	0254	1223	1254	21	2324	2357	1451	1524	22	0046	0114	1325	1354
25	0220	0251	1228	1259	25	2320	2354	1454	1529	26	0050	0119	1318	1346
29	0216	0247	1233	1304	29	2317	2351	1458	1533	30	0055	0123	1311	1339
FEB 2	0213	0243	1238	1309	JUN 2	2314	2349	1501	1536	OCT 4	0059	0128	1304	1332
6	0208	0238	1244	1314	6	2313	2348	1504	1539	8	0104	0133	1257	1325
10	0204	0234	1249	1319	10	2311	2347	1507	1542	12	0109	0137	1250	1318
14	0159	0228	1255	1324	14	2311	2346	1509	1544	16	0113	0142	1243	1312
18	0153	0222	1300	1329	18	2311	2346	1510	1546	20	0118	0147	1237	1306
22	0147	0216	1305	1334	22	2311	2347	1511	1547	24	0123	0152	1230	1300
26	0141	0210	1311	1339	26	2313	2348	1512	1547	28	0128	0157	1225	1254
					30	2315	2350	1511	1547					
MAR 2	0133	0202	1317	1346	JUL 4	2317	2352	1511	1546	NOV 1	0133	0202	1219	1249
6	0127	0155	1322	1351	8	2320	2355	1509	1544	5	0138	0208	1214	1244
10	0120	0148	1327	1355	12	2323	2358	1507	1542	9	0143	0213	1209	1240
14	0113	0141	1332	1400	16	2327	0001	1505	1539	13	0147	0218	1205	1236
18	0105	0134	1337	1405	20	2331	0005	1502	1536	17	0152	0223	1201	1232
22	0058	0127	1341	1410	24	2335	0009	1458	1532	21	0157	0228	1158	1230
26	0051	0120	1346	1415	28	2340	0013	1454	1527	25	0202	0233	1156	1227
30	0044	0112	1351	1419						29	0206	0238	1154	1226
APR 3	0036	0105	1355	1424	AUG 1	2345	0017	1450	1522	DEC 3	0210	0242	1152	1224
7	0029	0058	1400	1429	5	2349	0021	1445	1517	7	0214	0246	1152	1224
11	0022	0051	1405	1434	9	2354	0026	1440	1511	11	0217	0250	1151	1224
15	0015	0045	1409	1439	13	2359	0030	1434	1505	15	0220	0253	1152	1225
19	0008	0038	1414	1444	17	0004	0035	1428	1459	19	0223	0255	1153	1226
23	0001	0032	1419	1449	21	0009	0039	1422	1452	23	0225	0257	1155	1228
27	2355	0026	1424	1454	25	0014	0044	1415	1445	27	0226	0259	1158	1230
					29	0019	0048	1408	1438	31	0227	0300	1201	1233

URALSK
UARR
510907N 0513238EURALSK
UARR
510907N 0513238EURALSK
UARR
510907N 0513238E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0400	0440	1237	1317	MAY 1	0031	0109	1556	1634	SEP 2	0115	0149	1522	1556
5	0400	0439	1242	1321	5	0023	0102	1602	1641	6	0121	0155	1513	1547
9	0358	0437	1247	1326	9	0015	0055	1609	1648	10	0128	0202	1504	1538
13	0356	0435	1252	1331	13	0008	0048	1615	1656	14	0134	0208	1455	1528
17	0354	0432	1258	1336	17	0001	0043	1621	1702	18	0141	0214	1445	1519
21	0350	0428	1305	1342	21	2355	0037	1627	1709	22	0147	0220	1436	1509
25	0346	0423	1311	1348	25	2349	0032	1632	1716	26	0154	0227	1427	1500
29	0342	0418	1318	1355	29	2344	0028	1637	1722	30	0200	0233	1418	1451
FEB 2	0336	0412	1326	1402	JUN 2	2340	0025	1642	1727	OCT 4	0207	0240	1409	1442
6	0330	0406	1333	1408	6	2337	0022	1646	1732	8	0213	0246	1400	1433
10	0324	0359	1340	1415	10	2334	0020	1649	1736	12	0219	0253	1351	1424
14	0317	0352	1347	1422	14	2332	0019	1652	1739	16	0226	0259	1342	1416
18	0310	0344	1355	1429	18	2332	0019	1654	1741	20	0232	0306	1334	1408
22	0302	0336	1402	1436	22	2332	0019	1655	1742	24	0239	0313	1326	1400
26	0254	0328	1409	1443	26	2334	0021	1655	1742	28	0246	0320	1318	1353
					30	2336	0023	1655	1742					
MAR 2	0246	0320	1416	1449	JUL 4	2339	0025	1653	1740	NOV 1	0252	0327	1311	1346
6	0238	0311	1423	1456	8	2343	0029	1651	1737	5	0259	0334	1304	1339
10	0229	0302	1430	1503	12	2348	0033	1648	1733	9	0305	0341	1257	1333
14	0220	0253	1437	1510	16	2353	0037	1645	1729	13	0312	0348	1251	1328
18	0211	0244	1443	1516	20	2359	0042	1641	1724	17	0318	0355	1246	1323
22	0202	0235	1450	1523	24	0005	0048	1636	1718	21	0324	0402	1241	1318
26	0152	0226	1456	1530	28	0012	0053	1630	1711	25	0330	0408	1237	1315
30	0143	0217	1503	1537						29	0336	0414	1233	1312
APR 3	0134	0208	1510	1544	AUG 1	0019	0059	1624	1704	DEC 3	0341	0420	1231	1310
7	0124	0159	1516	1550	5	0026	0105	1618	1657	7	0345	0425	1229	1308
11	0115	0150	1523	1557	9	0033	0111	1611	1649	11	0350	0429	1228	1307
15	0106	0141	1529	1605	13	0040	0118	1603	1641	15	0353	0433	1228	1308
19	0057	0133	1536	1612	17	0047	0124	1555	1632	19	0356	0436	1228	1308
23	0048	0124	1543	1619	21	0054	0130	1547	1624	23	0358	0438	1230	1310
27	0039	0117	1549	1626	25	0101	0137	1539	1615	27	0359	0439	1233	1313
					29	0108	0143	1530	1606	31	0400	0440	1236	1316

URDZHAR
UASU
470531N 0814006E

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470531N 0814006E

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UASU
470531N 0814006E

MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0145	0220	1054	1130	MAY 1	2246	2319	1343	1417	SEP 2	2322	2354	1315	1346
5	0145	0220	1058	1133	5	2239	2313	1349	1423	6	2328	2359	1307	1338
9	0144	0219	1103	1138	9	2232	2307	1354	1429	10	2333	0004	1259	1330
13	0143	0217	1107	1142	13	2226	2302	1359	1435	14	2339	0010	1251	1322
17	0141	0215	1113	1147	17	2221	2257	1404	1441	18	2344	0015	1243	1313
21	0138	0212	1118	1152	21	2216	2253	1409	1446	22	2350	0020	1234	1305
25	0135	0208	1124	1158	25	2211	2249	1414	1451	26	2355	0025	1226	1257
29	0131	0204	1130	1203	29	2207	2245	1418	1456	30	0000	0031	1218	1249
FEB 2	0127	0159	1137	1209	JUN 2	2204	2243	1422	1501	OCT 4	0006	0036	1210	1241
6	0122	0154	1143	1215	6	2201	2241	1425	1505	8	0011	0041	1202	1233
10	0116	0148	1149	1221	10	2200	2239	1428	1508	12	0016	0047	1155	1225
14	0110	0142	1155	1227	14	2158	2238	1431	1510	16	0022	0053	1147	1218
18	0104	0135	1201	1233	18	2158	2238	1432	1512	20	0027	0058	1140	1211
22	0058	0129	1207	1239	22	2159	2239	1433	1514	24	0033	0104	1133	1204
26	0051	0121	1214	1244	26	2200	2240	1434	1514	28	0039	0110	1126	1157
					30	2202	2242	1434	1513					
MAR 2	0043	0114	1219	1250	JUL 4	2205	2244	1433	1512	NOV 1	0044	0116	1120	1151
6	0036	0106	1225	1256	8	2208	2247	1431	1510	5	0050	0122	1114	1146
10	0028	0059	1231	1301	12	2212	2250	1429	1508	9	0055	0128	1108	1141
14	0020	0051	1237	1307	16	2216	2254	1426	1504	13	0101	0134	1103	1136
18	0012	0043	1242	1313	20	2221	2258	1423	1500	17	0107	0140	1059	1132
22	0004	0035	1248	1318	24	2226	2303	1418	1455	21	0112	0146	1055	1128
26	2356	0027	1253	1324	28	2231	2307	1414	1450	25	0117	0151	1051	1125
30	2348	0019	1259	1330						29	0122	0157	1049	1123
APR 3	2340	0011	1305	1336	AUG 1	2237	2312	1409	1444	DEC 3	0127	0201	1047	1121
7	2331	0003	1310	1341	5	2242	2317	1403	1438	7	0131	0206	1045	1120
11	2323	2355	1316	1347	9	2248	2323	1357	1432	11	0135	0210	1045	1120
15	2315	2347	1321	1353	13	2254	2328	1351	1425	15	0138	0213	1045	1121
19	2308	2340	1327	1359	17	2300	2333	1344	1418	19	0141	0216	1046	1122
23	2300	2333	1332	1405	21	2306	2337	1339	1410	23	0143	0218	1048	1123
27	2253	2326	1338	1411	25	2311	2344	1330	1402	27	0144	0220	1050	1126
					29	2317	2349	1322	1354	31	0145	0220	1053	1129

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MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0144	0218	1100	1135	MAY 1	2249	2323	1344	1417	SEP 2	2326	2359	1311	1343
5	0144	0218	1104	1139	5	2243	2317	1349	1423	6	2332	0002	1305	1336
9	0143	0217	1109	1143	9	2237	2311	1354	1429	10	2337	0007	1257	1328
13	0142	0215	1114	1148	13	2231	2306	1359	1434	14	2342	0012	1249	1320
17	0140	0213	1119	1152	17	2225	2301	1404	1440	18	2347	0017	1241	1311
21	0137	0210	1125	1158	21	2221	2257	1409	1445	22	2352	0022	1234	1303
25	0134	0206	1130	1203	25	2216	2253	1413	1450	26	2358	0028	1226	1256
29	0130	0202	1136	1208	29	2213	2250	1417	1454	30	0003	0033	1218	1248
FEB 2	0125	0157	1142	1214	JUN 2	2210	2247	1420	1458	OCT 4	0008	0038	1210	1240
6	0121	0152	1148	1220	6	2207	2246	1424	1502	8	0013	0043	1203	1233
10	0115	0146	1154	1225	10	2206	2244	1426	1505	12	0018	0049	1155	1225
14	0110	0140	1200	1231	14	2205	2244	1429	1507	16	0024	0054	1148	1218
18	0103	0134	1206	1237	18	2205	2244	1430	1509	20	0029	0059	1141	1211
22	0057	0127	1212	1242	22	2206	2244	1431	1510	24	0034	0105	1134	1205
26	0050	0120	1218	1248	26	2207	2246	1431	1510	28	0040	0111	1128	1159
					30	2209	2248	1431	1510					
MAR 2	0043	0113	1223	1253	JUL 4	2212	2250	1430	1508	NOV 1	0045	0116	1122	1153
6	0036	0106	1229	1259	8	2215	2253	1428	1506	5	0051	0122	1116	1147
10	0028	0058	1234	1304	12	2219	2256	1426	1503	9	0056	0128	1111	1143
14	0021	0051	1240	1310	16	2223	2300	1423	1500	13	0101	0134	1106	1138
18	0013	0043	1245	1315	20	2227	2304	1420	1456	17	0107	0139	1102	1134
22	0005	0035	1251	1321	24	2232	2308	1416	1451	21	0112	0145	1058	1131
26	2357	0027	1256	1326	28	2237	2313	1411	1446	25	0117	0150	1055	1128
30	2349	0020	1302	1332						29	0121	0155	1053	1126
APR 3	2342	0012	1307	1337	AUG 1	2243	2318	1406	1440	DEC 3	0126	0200	1051	1125
7	2334	0004	1312	1343	5	2248	2322	1400	1434	7	0130	0204	1050	1124
11	2326	2357	1318	1349	9	2254	2327	1354	1428	11	0133	0208	1050	1124
15	2318	2350	1323	1354	13	2259	2332	1348	1421	15	0137	0211	1050	1125
19	2311	2342	1328	1400	17	2305	2337	1342	1414	19	0139	0214	1051	1126
23	2303	2336	1333	1406	21	2310	2342	1335	1407	23	0141	0216	1053	1128
27	2256	2329	1339	1412	25	2316	2347	1327	1359	27	0143	0218	1056	1131
					29	2321	2352	1320	1351	31	0144	0218	1059	1134

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MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0151	0229	1038	1116	MAY 1	2231	2308	1347	1424	SEP 2	2312	2346	1315	1349
5	0150	0228	1042	1120	5	2224	2301	1353	1430	6	2319	2352	1306	1340
9	0149	0227	1047	1125	9	2216	2254	1359	1437	10	2325	2358	1258	1331
13	0148	0225	1052	1130	13	2209	2248	1405	1444	14	2331	0004	1249	1322
17	0145	0222	1058	1135	17	2203	2243	1411	1451	18	2337	0010	1240	1312
21	0142	0218	1104	1141	21	2157	2238	1416	1457	22	2343	0016	1231	1303
25	0138	0214	1111	1147	25	2152	2233	1422	1503	26	2349	0022	1222	1254
29	0134	0209	1118	1153	29	2147	2229	1426	1508	30	2355	0028	1213	1246
FEB 2	0129	0203	1124	1159	JUN 2	2143	2226	1431	1513	OCT 4	0001	0034	1205	1237
6	0123	0157	1131	1206	6	2140	2224	1434	1518	8	0008	0040	1156	1228
10	0117	0151	1138	1212	10	2138	2222	1438	1522	12	0014	0046	1148	1220
14	0111	0144	1145	1219	14	2137	2221	1440	1525	16	0020	0052	1139	1212
18	0104	0137	1152	1225	18	2136	2221	1442	1527	20	0026	0059	1131	1204
22	0056	0129	1159	1232	22	2136	2221	1443	1528	24	0032	0105	1124	1155
26	0049	0121	1206	1238	26	2138	2222	1444	1528	28	0039	0112	1116	1150
					30	2140	2224	1443	1528					
MAR 2	0041	0113	1212	1245	JUL 4	2143	2227	1442	1526	NOV 1	0045	0119	1109	1143
6	0033	0105	1219	1251	8	2147	2230	1440	1524	5	0051	0125	1102	1137
10	0024	0056	1225	1258	12	2151	2234	1437	1520	9	0057	0132	1056	1131
14	0016	0048	1232	1304	16	2156	2238	1434	1516	13	0104	0139	1050	1126
18	0007	0039	1238	1310	20	2202	2243	1430	1511	17	0110	0145	1045	1121
22	2358	0030	1245	1317	24	2207	2248	1426	1506	21	0116	0152	1041	1117
26	2349	0022	1251	1323	28	2214	2253	1420	1500	25	0121	0158	1037	1114
30	2340	0013	1257	1330						29	0127	0204	1034	1111
APR 3	2331	0004	1303	1336	AUG 1	2220	2259	1415	1453	DEC 3	0131	0209	1031	1109
7	2322	2355	1310	1343	5	2226	2304	1408	1446	7	0136	0214	1030	1107
11	2313	2347	1316	1349	9	2233	2310	1402	1439	11	0140	0218	1029	1107
15	2305	2339	1322	1356	13	2240	2316	1355	1431	15	0143	0222	1029	1107
19	2256	2331	1328	1403	17	2246	2322	1347	1423	19	0146	0225	1030	1108
23	2247	2323	1335	1410	21	2253	2328	1340	1415	23	0148	0227	1031	1110
27	2239	2315	1341	1417	25	2259	2334	1332	1406	27	0150	0228	1034	1112
					29	2306	2340	1323	1357	31	0151	0229	1037	1115

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MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0133	0209	1040	1116	MAY 1	2231	2306	1331	1405	SEP 2	2309	2341	1302	1334
5	0133	0209	1044	1119	5	2224	2259	1337	1412	6	2314	2346	1254	1326
9	0132	0208	1048	1123	9	2218	2253	1342	1418	10	2320	2351	1246	1318
13	0131	0206	1053	1128	13	2212	2248	1348	1424	14	2325	2356	1238	1309
17	0129	0203	1059	1133	17	2206	2243	1353	1429	18	2331	0002	1230	1301
21	0126	0200	1104	1138	21	2201	2238	1358	1435	22	2336	0007	1222	1252
25	0123	0157	1110	1144	25	2156	2234	1402	1440	26	2342	0012	1213	1244
29	0119	0152	1116	1150	29	2152	2231	1407	1445	30	2347	0018	1205	1236
FEB 2	0114	1147	1123	1155	JUN 2	2149	2228	1411	1450	OCT 4	2353	0023	1157	1228
6	0109	0142	1129	1201	6	2146	2226	1414	1454	8	2358	0029	1149	1220
10	0104	0136	1135	1207	10	2145	2225	1417	1457	12	0004	0034	1141	1212
14	0058	0130	1142	1213	14	2143	2224	1419	1500	16	0009	0040	1134	1205
18	0052	0123	1148	1219	18	2143	2224	1421	1502	20	0015	0046	1126	1157
22	0045	0116	1154	1225	22	2144	2224	1422	1503	24	0020	0052	1119	1151
26	0038	0109	1200	1231	26	2145	2225	1423	1503	28	0026	0058	1112	1144
					30	2147	2227	1422	1503					
MAR 2	0031	0101	1206	1237	JUL 4	2149	2230	1421	1501	NOV 1	0032	0104	1106	1138
6	0023	0054	1212	1243	8	2153	2232	1420	1459	5	0038	0110	1100	1132
10	0015	0046	1218	1249	12	2157	2236	1417	1457	9	0043	0116	1054	1127
14	0007	0038	1224	1254	16	2201	2240	1415	1453	13	0049	0122	1049	1122
18	2359	0030	1229	1300	20	2206	2244	1411	1449	17	0054	0128	1044	1118
22	2351	0022	1235	1306	24	2211	2248	1407	1444	21	0100	0134	1040	1115
26	2343	0014	1241	1312	28	2217	2253	1402	1439	25	0105	0140	1037	1112
30	2334	0005	1246	1317						29	0110	0145	1034	1109
APR 3	2326	2357	1252	1323	AUG 1	2222	2258	1357	1433	DEC 3	0115	0150	1032	1107
7	2318	2349	1257	1329	5	2228	2303	1351	1427	7	0119	0154	1031	1106
11	2310	2342	1303	1335	9	2234	2309	1345	1420	11	0123	0158	1030	1106
15	2302	2334	1309	1341	13	2240	2314	1339	1413	15	0126	0202	1031	1106
19	2254	2326	1314	1347	17	2246	2319	1332	1406	19	0129	0205	1032	1107
23	2246	2319	1320	1353	21	2251	2325	1325	1358	23	0131	0207	1033	1109
27	2239	2312	1326	1359	25	2257	2330	1318	1350	27	0132	0208	1036	1112
					29	2303	2335	1310	1342	31	0133	0209	1039	1115

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MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE	MONTH DAY	CTS	SR	SS	CTE
JAN 1	0243	0319	1147	1223	MAY 1	2339	0013	1441	1515	SEP 2	0017	0049	1411	1443
5	0243	0319	1151	1227	5	2332	0007	1446	1522	6	0023	0054	1403	1435
9	0242	0318	1156	1231	9	2325	0001	1452	1528	10	0028	0100	1355	1427
13	0241	0316	1201	1236	13	2319	2355	1457	1534	14	0034	0105	1347	1418
17	0238	0313	1206	1241	17	2313	2350	1503	1540	18	0039	0110	1339	1410
21	0236	0310	1212	1246	21	2308	2346	1508	1545	22	0045	0116	1330	1401
25	0232	0306	1218	1252	25	2303	2342	1512	1551	26	0050	0121	1322	1351
29	0228	0302	1224	1258	29	2259	2338	1517	1556	30	0056	0127	1314	1344
FEB 2	0224	0257	1230	1304	JUN 2	2256	2335	1521	1600	OCT 4	0101	0132	1305	1336
6	0219	0251	1237	1310	6	2253	2333	1524	1604	8	0107	0138	1257	1328
10	0213	0245	1243	1316	10	2251	2332	1527	1608	12	0112	0143	1249	1320
14	0207	0239	1250	1322	14	2250	2331	1529	1610	16	0118	0149	1242	1313
18	0201	0232	1256	1328	18	2250	2331	1531	1612	20	0124	0155	1234	1306
22	0154	0225	1302	1334	22	2250	2331	1532	1613	24	0129	0201	1227	1259
26	0147	0218	1308	1340	26	2252	2333	1533	1614	28	0135	0207	1220	1252
					30	2254	2334	1532	1613					
MAR 2	0139	0210	1314	1346	JUL 4	2256	2337	1531	1612	NOV 1	0141	0213	1214	1246
6	0132	0203	1321	1351	8	2300	2340	1530	1610	5	0147	0219	1208	1240
10	0124	0155	1326	1357	12	2304	2343	1527	1607	9	0153	0226	1202	1235
14	0116	0147	1332	1403	16	2308	2347	1524	1603	13	0158	0232	1157	1230
18	0108	0138	1338	1409	20	2313	2351	1521	1559	17	0204	0238	1152	1226
22	0059	0130	1344	1415	24	2318	2356	1517	1554	21	0209	0244	1148	1222
26	0051	0122	1350	1421	28	2324	0001	1512	1549	25	0215	0249	1145	1219
30	0043	0114	1355	1426						29	0220	0255	1142	1217
APR 3	0034	0106	1401	1432	AUG 1	2329	0006	1507	1543	DEC 3	0224	0300	1140	1215
7	0026	0058	1407	1438	5	2335	0011	1501	1537	7	0229	0304	1138	1214
11	0018	0050	1412	1444	9	2341	0016	1455	1530	11	0232	0308	1138	1214
15	0009	0042	1418	1450	13	2347	0022	1448	1523	15	0236	0312	1138	1214
19	0001	0034	1424	1457	17	2353	0027	1441	1515	19	0239	0315	1139	1215
23	2354	0027	1429	1503	21	2359	0033	1434	1508	23	0241	0317	1141	1217
27	2346	0020	1435	1509	25	0005	0038	1427	1500	27	0242	0318	1143	1219
					29	0011	0043	1419	1452	31	0243	0319	1146	1222

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
SATPAY TMA 474702N 0835832E then a clockwise arc radius 26 NM centered on 473654N 0843414E – 472900N 0851104E – 472647N 0844843E – 473712N 0841323E - 474702N 0835832E FL140/ 6000FT ALT Class of airspace: C	SATPAY TWR	SATPAY TOWER EN/ RU See NOTAM	122.9 MHZ Primary FREQ	129.0 MHZ Secondary FREQ O/R or at ATC discretion 121.5 MHZ Emergency FREQ Radar in the aerodrome area is not provided. Within the area of responsibilit y of Tower controller, no more than one aircraft shall be present during IFR operations
ARKALYK TMA 504824N 0662645E – 505353N 0672936E – 503136N 0680751E – 501330N 0681645E – 493757N 0671237E – 494431N 0661957E – 500854N 0660036E – 502128N 0655110E – 504824N 0662645E, excluding Arkalyk CTR. FL140/5000FT ALT Airspace class – C.	ARKALYK TWR	ARKALYK TOWER EN/RU See NOTAM	134.3 MHZ Primary FREQ	129.0 MHZ Secondary FREQ O/R or at ATC discretion 121.5 MHZ Emergency FREQ Radar in the aerodrome area is not provided. Within the area of responsibilit y of Tower controller, no more than one aircraft shall be present during IFR operations.

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
KATON-KARAGAY TMA 494302N 0840951E – 492555N 0853150E - 491811N 0853412E – 490951N 0853509E – 490916N 0852853E – 490834N 0850608E – 490938N 0850238E – 491001N 0845822E – 490932N 0844921E – 490641N 0840921E – 494302N 0840951E FL140/ 8000FT ALT Class of airspace: C	KATON-KARAGAY TWR	KATON-KARAGAY TOWER EN/RU	124.4 MHZ Primary FREQ	129.0 MHZ Secondary FREQ O/R or at ATC discretion 121.5 MHZ Emergency FREQ Radar in the aerodrome area is not provided. Within the area of responsibilit y of Tower controller, no more than one aircraft shall be present during IFR operations .
KENDERLI TMA 433231N 0521029E - 431548N 0525434E - 430052N 0533509E - 423424N 0525120E – 423751N 0520952E – 431129N 0513722E - 433231N 0521029E Excluding CTR Kenderli FL140/ 4000FT ALT Class of airspace: C	KENDERLI TWR	KENDERLI TOWER EN/RU See NOTAM	131.3 MHZ Primary FREQ	124.6 MHZ Secondary FREQ O/R or at ATC discretion 121.5 MHZ Emergency FREQ Radar in the aerodrome area is not provided. Within the area of responsibilit y of Tower controller, no more than one aircraft shall be present during IFR operations.

4. CONTROL AREA

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
ALMATY CTA Within the lateral limits of UAAA FIR FL 510 / FL 120 Class of airspace: C	ALMATY ACC	ALMATY CONTROL EN, RU H24		
AKTOBE CTA Within the lateral limits of UATT FIR FL 510 / FL 120 Class of airspace: C	AKTOBE ACC	AKTOBE CONTROL EN, RU H24		
ASTANA CTA Within the lateral limits of UACN FIR FL 510 / FL 120 Class of airspace: C	ASTANA ACC	ASTANA CONTROL EN, RU H24		
SHYMKENT CTA Within the lateral limits of UAIJ FIR FL 510 / FL 120 Class of airspace: C	SHYMKENT ACC	SHYMKENT CONTROL EN, RU H24		

5. AERODROME TRAFFIC ZONES AND CONTROL ZONES

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
BALAPAN ATZ 500018N 0732258E - 500022N 0733303E - 494506N 0732413E - 494102N 0731359E - 494107N 0730509E - 494411N 0730641E - 494558N 0731419E - 495014N 0731405E - 500018N 0732258E 3000 FT ALT / GND Class of airspace: G	AFIS BALAPAN	BALAPAN INFORMATION RU According to the regulations	125 MHZ Primary FREQ	Flight information service
	KARAGAND A TWR	KARAGANDA TOWER EN, RU Outside of work regulations AFIS BALAPAN	122 MHZ Primary FREQ	

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
BORALDAY CTR 432621N 0765114E - 432715N 0765631E - 432102N 0765419E - 431853N 0765356E - 431659N 0764807E - 431729N 0764725E then a clockwise arc radius 5.4 NM centered on 432105N 0765257E - 432621N 0765114E 4000 FT ALT / GND Class of airspace: D	BORALDAY TWR	BORALDAY TOWER RU NOTAM	118.9 MHZ Primary FREQ	Dispatch service
D ISLAND CTR 470132N 0521834E - 461827N 0524636E - 460519N 0520434E - 465304N 0512521E then a clockwise arc radius 22 NM centered on 470838N 0514805E - 470132N 0521834E 3000 FT ALT / GND Class of airspace: C (3000 FT ALT is not used for flights within Atyrau TMA)	D ISLAND TWR	D ISLAND TOWER EN, RU According to the regulations: 02:00 - 14:00 UTC	131.175 MHZ Primary FREQ 127.925 MHZ Secondary FREQ	Air traffic control service. When planning flights to CTR D ISLAND outside of the work regulations, Air traffic control service is provided upon a preliminary request sent by AFTN to UATGYKYD, UATGYKYX
AIBYN1 ATZ 503141N 0571037E - 502657N 0570235E - 501901N 0564315E - 503110N 0565449E - 503141N 0571037E 2000 FT ALT / GND Class of airspace: C	Flight operations management group of Air Defense Force Military Institute	RU NOTAM	Training flights	
AIBYN ATZ 505733N 0564705E - 505800N 0571800E - 504700N 0572800E - 504300N 0573000E - 503141N 0571037E - 503110N 0565449E - 501901N 0564315E - 501232N 0562740E - 503042N 0561237E - 505733N 0564705E 10000 FT ALT / GND Class of airspace: C	Flight operations management group of Air Defense Force Military Institute	RU NOTAM	Training flights	

Name Lateral limits Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	Frequency/Purpose	Remarks
1	2	3	4	5
ZHOLAMAN ATZ 511506N 0712100E - 512835N 0711239E - 513035N 0712629E - 512355N 0714219E - 511359N 0713317E - 511506N 0712100E 1300 FT QFE / GND Class of airspace: G				See Aeronautical Information concerning other aerodromes/ heliports/ landing sites

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ENR 2.2 OTHER REGULATED AIRSPACE**1. DELEGATION OF THE RESPONSIBILITY FOR PROVISION OF ATS**

Delegated airspace within Aktobe FIR to Orsk APP:	Delegated airspace within Almaty FIR to Bishkek APP:
N504842 E0583936 - N504530 E0580418 - N505530 E0574500 - then along the state BDRY with Russia to - N504842 E0583936	N431348 E0741934 - N433103 E0741440 - N432218 E0750715 - N425000 E0751800 - then along the state BDRY with Kyrgyzstan to - N431348 E0741934
FL 130 GND	FL 195 GND

Delegated airspace within Shymkent FIR to Tashkent ACC:	Delegated airspace within Shymkent FIR to Tashkent APP:
N411942 E0690118 - then along the state BDRY with Uzbekistan to - N414636 E0663312 - N413436 E0680213 - N412300 E0684800 - N411942 E0690118	N414210 E0694430 then along the state BDRY with Uzbekistan to - N405117 E0683451 - N405900 E0681400 - N411700 E0675600 - N420200 E0681200 - N415707 E0691127 - N414210 E0694430
UNL GND	FL 140 GND

Delegated airspace within Bishkek FIR to Taraz APP:	Delegated airspace within Uzbekistan to Shymkent FIR:
N424904 E0714443 - N423515 E0713630 - N423614 E0710515 - then along the state BDRY with Kyrgyzstan to - N424904 E0714443	N430221 E0654313 - N423000 E0635000 - N433000 E0620000 - then along the state BDRY with Uzbekistan to - N430221 E0654313
FL 140 GND	UNL GND

Delegated airspace within Shymkent FIR to Bishkek APP:	Delegated airspace within Shymkent FIR to Bishkek ACC:
N430234 E0733602 - N433420 E0735429 - N433103 E0741440 - N431348 E0741934 - then along the state BDRY with Kyrgyzstan to - N430234 E0733602	N424000 E0723500 - N424749 E0733030 - then along the state BDRY with Kyrgyzstan to - N424000 E0723500 Within this delegated airspace, the ATS route of the domestic airway of the 1st category of the Kyrgyz Republic, route V-15 (segment AGTAZ – ZODLE), is crossing the area. Air traffic services for this route segment are provided by Bishkek ACC (Kyrgyz Republic) in accordance with the Letter of Agreement (LoA). Detailed information on the domestic airways of the Kyrgyz Republic is published on the official website of SE “Kyrgyzaeronavigatsia” in the AIS section under “List of ATS routes and domestic airways of the Kyrgyz Republic.
FL 195 GND	FL 410 GND

2. BORDERS OF RESPONSIBILITY AREAS OF LOCAL ATC UNIT

Local ATC Unit Call sign FREQ Phone Hours of operation	ATS region	Lateral limits	Vertical limits	Remark
1	2	3	4	5
ALMATY "Almaty rayon" HF – 4736 kHz HF alter. – 6607 kHz VHF – 134.3 MHz Phone: +7 (727) 2573474, 2573764, 2573774 (alter.) H24	Almaty FIR	431105N 0762805E then a clockwise arc radius 27,2 NM centered on 432120N 0770238E до 432647N 0773915E – 433428N 0780356E – 434745N 0780816E – 440442N 0781350E – 440745N 0780904E – 441629N 0775521E – 442524N 0772618E – 442024N 0763206E – 441324N 0761312E – 441136N 0760830E – 435906N 0754739E – 434850N 0753952E – 433809N 0753149E – 432230N 0753237E – 431227N 0753730E – 431105N 0762805E	6000 FT ALT – 8000 FT ALT	Excluding the prohibited and restricted areas. Class of airspace: D ATS provided in Russian language only within Almaty local ATC unit area of responsibility.

3. BORDERS OF RESPONSIBILITY AREAS OF FLIGHT INFORMATION CENTERS (FIC)

FIC Call sign FREQ Phone Hours of operation	ATS region	Lateral limits	Vertical limits	Remark
1	2	3	4	5
AKTAU "Aktau vyshka" HF – 5536 kHz VHF – 120.7 MHz Phone: +7 (7292) 463118, 463153, 421178 H24	Aktobe FIR	N452130 E0534647 - N445034 E0541914 - N435141 E0555948 - along border KAZAKHSTAN_UZBEKISTAN - N411900 E0560000 - along border KAZAKHSTAN_TURKMENISTAN - N414700 E0522800 - N420000 E0513000 - N423800 E0500000 - N425000 E0493000 - N455500 E0493000 - N452130 E0534647	GND – 10000 FT ALT	Excluding the TMA and CTR Aktau, the TMA and CTR Kenderli
* - When planning flights at another time Flight information service provided on preliminary request sent AFTN UATEZAZX.				
AKTOBE "Aktobe Tower" HF – 4656 kHz VHF – 128.0 MHz Phone: +7(7132)931118 H24*	Aktobe FIR	N505800 E0613000 - N502331 E0622455 - N500137 E0622819 - N483738 E0624054 - N471135 E0643220 - N461214 E0614508 - N460903 E0613915 - N445159 E0600655 - along border KAZAKHSTAN_UZBEKISTAN - N452307 E0574000 - N454418 E0574000 - N463851 E0564100 - N465000 E0570000 - N485000 E0551000 - N485930 E0522738 - N504318 E0551552 - along border KAZAKHSTAN_RUSSIA - N505800 E0613000	GND – 10000 FT ALT	Excluding the CTR and TMA Aktobe, part of airspace delegated to Orsk APP, Aibyn ATZ, Aibyn1 ATZ during flight operations.
* - When planning flights at night time, flight information services (FIS) are provided only upon prior request sent via AFTN to the address UATTZRZX and UATTZTZX.				

FIC Call sign FREQ Phone Hours of operation	ATS region	Lateral limits	Vertical limits	Remark
1	2	3	4	5
ALMATY "Almaty rayon" HF – 4736 kHz HF alter. – 6607 kHz VHF – 134.3 MHz Phone: +7 (727) 2573474, 2573764, 2573774 (reserve) H24	Almaty FIR	HF - 4736 kHz: 453205N 0821649E along border KAZAKHSTAN_CHINA - 421239N 0801028E along border KAZAKHSTAN_KYRGYZSTAN - 431248N 0741934E - 434446N 0741052E - 441502N 0745425E - 450440N 0715506E - 480000N 0714900E - 480759N 0741658E - 485000N 0761100E - 465357N 0771718E - 461808N 0784001E - 462000N 0812000E - 453205N 0821649E	GND – 10000 FT ALT In the areas with AMA higher than 10000 FT ALT (3050m) – upper limit of FIC is equal to AMA value.	Within the borders of Almaty local ATC unit outside of the area around the Zhetygen aerodrome (a circle with a radius of 15 kilometers centered on 434411N 0770717E, CTR Boraldai, CTR, TMA 1 and TMA 2 Almaty, CTR and TMA Balkhash, CTR and TMA Taldykorgan, CTR and TMA Usharal, airspace delegated to Bishkek APP, prohibited and restricted areas. Class of airspace: G
		VHF - 134.3 MHz, HF - 4736 kHz: 435614N 0780645E - 442125N 0802300E - 433953N 0803700E - 432843N 0781244E - 435614N 0780645E		
ASTANA "Astana control" HF – 5724 kHz HF alter. – 4494 kHz VHF – 132.8 MHz Phone: +7 (7172) 773533 H24	Astana FIR	522006N 0672830E - 522724N 0681000E - 523100N 0684500E - 523730N 0702500E - 524548N 0713006E - 524630N 0715024E - 524724N 0723406E - 523548N 0734324E - 513148N 0734848E - 511706N 0734530E - 510200N 0740200E - 505342N 0741748E - 504948N 0743606E - 504730N 0745900E - 503331N 0753513E - 501116N 0723844E - 503136N 0680751E - 521149N 0673350E - 522006N 0672830E	GND – 10000 FT ALT	Excluding the CTR Astana, TMA1 and TMA2 Astana, Zholaman ATZ. Class of airspace: G Flight Information Service within radius of 27 NM from APR of Astana aerodrome below 3500 FT AMSL is assigned to Astana radar 120.7 MHz FREQ

ENR 4 RADIO NAVIGATION AIDS/SYSTEMS**ENR 4.1 RADIO NAVIGATION AIDS — EN-ROUTE**

Name of station (VAR) (VOR: Declination)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
AKTAU DVOR/DME (8E/2021)	AKT	113.3 MHZ CH 80X	H24	435220N 0510352E	100 FT	
AKTOBE DVOR/DME (11E/2020)	AKB	113,4 MHZ CH 81X	H24	501548N 0571055E	700 FT	
ALMATY DVOR/DME (5E/2023)	ATA	116.4 MHZ CH 111X	H24	432229N 0770507E	2200 FT	
ARALSK DVOR/DME (9E/2020)	ARL	113.6 MHZ CH 83X	H24	464932N 0613705E	300 FT	
ARKALYK DVOR/DME (10E/2024)	ARK	113 MHZ CH 77X	H24	501904N 0670118E	1300 FT	
ASTANA DVOR/DME (10E/2013)	AST	114.4 MHZ CH 91X	H24	510006N 0712600E	1200 FT	
ATYRAU DVOR/DME (9E/2013)	ATR	112,3 MHZ CH 70X	H24	470838N 0514805E	0 FT	
AYAGUZ VOR/DME (6E/2014)	AGZ	113.6 MHZ CH 83X	H24	475552N 0802659E	2200 FT	
BALKHASH DVOR/DME (7E/2020)	BLH	113.7 MHZ CH 84X	H24	465259N 0745902E	1400 FT	
BEINEU VOR/DME (7E/1999)	BNU	115 MHZ CH 97X	H24	452023N 0550721E	0 FT	
JARKENT DVOR/DME	JRK	114,8 MHZ CH 95X	H24	441344N 0795719E	2600 FT	
KARAGANDA DVOR/DME (8E/2013)	KRG	113.4 MHZ CH 81X	H24	494114N 0732226E	1800 FT	
KATON-KARAGAY DVOR/DME (5E/2025)	KTN	114.2 MHZ CH 89X	H24	491041N 0851339E	3400 FT	
KENDIRLI DVOR/DME (8E/2025)	KDN	115.3 MHZ CH 100X	H24	425617N 0523213E	300 FT	
KOKSHETAU VOR/DME (11E/2013)	KTU	115,5 MHZ CH 102X	H24	532103N 0693701E	900 FT	

Name of station (VAR) (VOR: Declination)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
KOSTANAY DVOR/DME (13E/2022)	KST	114.8 MHZ CH 95X	H24	531113N 0633346E	600 FT	
KYZYLORDA DVOR/DME (7E/2022)	KZO	112.7 MHZ CH 74X	H24	444145N 0653349E	500 FT	
PAVLODAR DVOR/DME (9E/2013)	PVL	114 MHZ CH 87X	H24	521235N 0770542E	500 FT	
PETROPAVLOVSK DVOR/DME (12E/2017)	PSK	112,5 MHZ CH 72X	H24	544703N 0691309E	500 FT	
SATPAY DVOR/DME (5E/2025)	ZSN	112.3MHZ CH 70X	H24	473627N 0843546E	1400 FT	
SEMEY DVOR/DME (7E/2014)	SEM	115,3 MHZ CH 100X	H24	502059N 0801438E	700 FT	
SHYMKENT DVOR/DME (6E/2013)	SMK	113 MHZ CH 77X	H24	422220N 0692631E	1400 FT	
TALDYKORGAN DVOR/DME (5E/2014)	TDK	116,1 MHZ CH 108X	H24	450622N 0782548E	2000 FT	
TARAZ DVOR/DME (6E/2013)	TAR	115,9 MHZ CH 106X	H24	425214N 0711654E	2200 FT	
TURKISTAN DVOR/DME (6E/2019)	TRK	114,6 MHZ CH 93X	H24	431932N 0683446E	1000 FT	
URALSK DVOR/DME (11E/2015)	URL	114,2 MHZ CH 89X	H24	510855N 0513238E	200 FT	
URDZHAR NDB (5E/2017)	UGN	460 KHZ	HO	470534N 0813933E		
UST-KAMENOGORSK DVOR/DME (6E/2021)	UKM	115 MHZ CH 97X	H24	500158N 0823031E	1000 FT	
ZHEZKAZGAN DVOR/DME (9E/2023)	DZG	113.3 MHZ CH 80X	H24	474317N 0674542E	1300 FT	

ENR 4.4 NAME CODE DESIGNATORS FOR SIGNIFICANT POINTS

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ABDAM	513051N 0781707E	T649, Z584	
ABDIB	435743N 0505211E		TMA UATE
ABDUN	461337N 0594316E	L139, M161, N161	
ABEBA	442957N 0740248E	M34	
ABEKA	410705N 0684442E	M168	
ABELI	513524N 0751312E	L988, N996, W358, Z160, Z746	TMA UASP
ABENU	502909N 0684952E	L86	
ABEVO	405000N 0683442E	P180	
ABGEN	405742N 0684248E	M168	
ABIGU	474742N 0630108E	L51, N167	
ABIRA	502331N 0622455E	M166	
ABMIK	455616N 0743604E	M34, N102, Z583	TMA UAAH
ABONA	461133N 0751857E	N170	TMA UAAH
ABOTO	492544N 0830521E	Z727	TMA UASK
ABRAS	514331N 0771053E	L988, P984	
ABREK	462025N 0763143E	N126	
ABULA	495910N 0682343E	L86	
ABULU	480139N 0555532E	L992	
ABURA	473345N 0664312E	N161	TMA UAKD
ADABA	435820N 0762009E	L143, N170, Z583, Z584	TMA UAAA
ADAKA	434416N 0624955E	L855, M161	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ADARO	504706N 0815242E	B833, G96, N37, Z727	TMA UASK, TMA UASS
ADASA	524618N 0751436E	P179	TMA UASP
ADAZA	434304N 0645326E	N990	
ADEBA	533925N 0704004E	T586	TMA UACK
ADEDA	423438N 0514628E	N73, Z581	
ADEKU	502301N 0641824E	M166, N167	
ADESA	420940N 0694854E	L139, Z580	TMA UAI
ADETA	500015N 0773321E	M149, N37, P984	
ADIRO	445011N 0752356E	M149, N143	
ADLAN	495132N 0792510E	N102	TMA UASS
ADLIK	482457N 0614611E	L985	
ADLIL	475940N 0841509E	Z208, Z727	TMA UASI
ADLIM	443715N 0652222E		TMA UAOO
ADLON	530129N 0704047E	N985, Z160	TMA UACK
ADODA	523230N 0750554E	N985, W361, Z584	TMA UASP
ADOKA	482224N 0671842E	L145	TMA UAKD
ADOLU	502039N 0795401E		TMA UASS
ADONU	454418N 0683532E	P178	
ADPAK	444919N 0520844E	N102, Q198	
ADRAT	500334N 0581528E	M993	TMA UATT
ADREM	442548N 0643118E	L163, M75	
ADRIK	480432N 0684119E	L51, W351	TMA UAKD

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ADRI	461940N 0805137E	N993	
ADUMI	460903N 0613915E	L163	
AGADI	480559N 0733338E	L998, N126, Z624	
AGAKA	463544N 0805503E	N993	TMA UAAL
AGATU	493220N 0594622E	L147, L162	
AGEBO	474010N 0672652E		TMA UAKD
AGERA	430738N 0672650E	N147, N987	
AGILA	444901N 0515422E	N996, Q198	TMA UATE
AGINU	494800N 0761100E	M34, N37, N993	
AGLAL	491642N 0615044E	L985, M993	
AGLEK	433045N 0744744E	Z370, Z817	
AGMAN	490942N 0550920E	M161, N60	
AGMEN	471352N 0513428E		TMA UATG
AGMUR	450056N 0644106E	L86, L139	TMA UAOO
AGNAT	463927N 0775115E	L143	
AGNIM	453221N 0543918E	L992, P574	
AGPIN	483931N 0754146E	M34	
AGTAZ	423211N 0725439E		See route V-15 in the list of airways of the Kyrgyz Republic - KAN.KG/RU/AIS
AGUNA	435906N 0754739E	M149, M618, Z589	TMA UAAA
AGURO	511525N 0715011E		TMA UACC
AGURU	532928N 0694548E		TMA UACK

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
AGUSA	471400N 0820338E	M166	
AKALI	440829N 0611937E	L165, L985	
AKASA	491819N 0773455E	M993, P984	
AKAZU	404218N 0683815E	L170	
AKELI	494707N 0681322E	L86	
AKIBU	465522N 0515013E		TMA UATG
AKIMU	444353N 0731255E	N147	
AKIRA	454323N 0771829E	L143, Z160	
AKITU	483624N 0681921E	L26, N37, N990	
AKOSO	534140N 0650940E	N60, W355	TMA UAUU
AKSOZ	435449N 0691321E	M610	
AKUKU	425036N 0510509E	P574	TMA UATE
ALABA	481845N 0553938E	L988, N73, T586	
ALAKO	441958N 0735903E	M34, T524	
ALDAZ	464232N 0523825E		TMA UATG
ALEGA	480900N 0713249E	M993	
ALFIL	485654N 0700340E	N37	
ALGAS	504613N 0581203E	A357, N60	TMA UATT
ALILA	454830N 0800916E	L26	
ALOLI	431841N 0764421E		TMA UAAA
ALOTO	445010N 0530653E	N73, P574, Q198	
ALUGI	434745N 0780816E	Z315	TMA UAAA

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ALZIS	474317N 0674542E	L51, L145, M75, M168, M993, N161, N987, N990, Z164	
AMABU	445737N 0781952E		TMA UAAT
AMASO	474914N 0684857E	M993, N161	TMA UAKD
AMIGU	491645N 0692517E	M75, P178, Z586	
AMIKA	432238N 0761952E		TMA UAAA
AMOHA	454502N 0505523E	L736	
AMOLA	523853N 0715604E	M75, Z160	
AMREK	452109N 0660226E	N990, W332	TMA UAOO
AMUTU	504649N 0711721E		TMA UACC
ANELI	444956N 0743510E	Z589	
ANESA	424006N 0703654E	N143, Z580	TMA UADD
ANIDU	451707N 0783318E		TMA UAAT
ANIGA	452130N 0534647E	M158, M610	
ANIGO	460143N 0660207E	M75, M741	
ANTOH	530853N 0685629E		RR-3, RR-7
APSEN	440338N 0771854E	P984	
APTOG	422520N 0691235E		TMA UAII
APTOK	503035N 0750940E	Z160	
APTUS	505558N 0704601E	L988, N996, T523	TMA UACC
ARBIM	492045N 0645739E	L26, M741, P574	
ARBOL	433055N 0705137E	L145, L728, M610, N102, Z621	TMA UADD
ARDIK	521459N 0642204E	L145	TMA UAUU

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ARGER	493808N 0725855E		TMA UAKK
ARHIG	501904N 0670118E	M166, M168, N987, N996, T522	
ARHIM	492317N 0830743E	N143, Z727	
ARISA	512924N 0503254E	G3, L736, M166	TMA UARR RR-1, RR-5, RR-8
ARKAM	471135N 0643220E	N161	
ARKER	471757N 0580839E	M161, N55	
ARLIF	433927N 0524039E	N161, N193	
ARLIH	492724N 0742621E	M166, W348	TMA UAKK
ARMIK	474512N 0664137E	L51	TMA UAKD
ARNIR	494114N 0732226E	L51, L993, M166, N37, N170, T523, T649, Z553, Z588	
ARNOM	501856N 0671419E		TMA UAUR
ARNUS	430052N 0533509E	L992, T916	
ARSAN	474436N 0600738E	L51, M199, P574	
ARSUL	422600N 0685000E	Z380, Z578, Z632	TMA UAI
ARTOT	425650N 0710100E		TMA UADD
ARVAR	432233N 0691027E	Z621	TMA UAIT
ASBAG	501314N 0663952E		TMA UAUR
ASDET	511633N 0713946E		TMA UACC
ASDIB	511544N 0514610E		TMA UARR
ASDON	532134N 0631638E		TMA UAUU
ASDUK	520012N 0765857E		TMA UASP
ASLIK	470509N 0681542E	L145	TMA UAKD

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ASLOK	410548N 0671954E	M741, N987	RR-6
ASNAP	502302N 0565926E		TMA UATT
ASTIK	502734N 0691434E	L998, P574	
ASTAS	510006N 0712600E	L988, L994, M75, N170, N996, P574, Z586	
ATBAN	515824N 0682152E	L994, N987, Z624, T523	
ATBER	530311N 0634911E		TMA UAUU
ATNAL	435307N 0533948E	N55, N154	
ATNON	521149N 0673350E	L994, N55	
ATNUR	444559N 0500948E	L864, N193, Q198	TMA UATE
ATPOR	445123N 0784955E	N126, Z370	
ATRAN	422321N 0660522E	Z621	
ATRUS	465302N 0670715E	L147, N990	
AVLAK	461214N 0614508E	M199	
AZABI	444424N 0493000E	A87, M610, Q161, Q198	TMA UATE RR-4
AZITI	433936N 0764351E		RR-2, RR-7
AZORI	480139N 0721512E	Z583	
BABUR	452312N 0493000E	N102, N193	
BADAS	442221N 0643656E	L163, L855	TMA UAOO
BAGED	471628N 0650016E	L728, N161	
BAGIL	473425N 0741044E	L998	TMA UAAH
BAGIR	490131N 0514106E	M158, W324	
BAGNA	434754N 0775719E	Z315, Z370	TMA UAAA

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
BAGNU	530720N 0755304E	P984	TMA UASP
BAGOB	495029N 0823755E		TMA UASK
BAGUT	502745N 0803139E		TMA UASS
BAKID	462633N 0622354E	N167	
BAKIS	440031N 0764333E	L998, W333	
BALGO	430234N 0733602E	M34	
BALIG	431944N 0515018E	Q161	TMA UATE RR-2, RR-4
BALMI	531107N 0704613E	W361, Z584	TMA UACK
BALOK	521416N 0635540E	M741	TMA UAUU
BALOL	502308N 0772831E	P984	
BALUN	420100N 0512742E	N55, N73	
BAMAN	451700N 0823700E	L26	
BAMAT	504125N 0781025E	L994, M149	
BAMET	463042N 0663051E	M75	
BAMIK	523517N 0620524E	N60	TMA UAUU
BAMOM	505814N 0512427E		TMA UARR
BAMUT	415121N 0692445E	Z554, Z580	TMA UAI
BANOS	501116N 0723844E	N170, W333	TMA UACC, TMA UAKK
BANOV	503704N 0830918E	L135	TMA UASK
BANUM	474633N 0804834E	M166, M618	
BAPER	433011N 0534642E	L992, N193	
BARAR	425030N 0700344E	N102	TMA UAI

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
BARKI	545153N 0710000E	A357, N60	TMA UACP
BARSI	530153N 0695555E		TMA UACK
BARUR	443207N 0791739E	N126	
BASAN	433420N 0735429E	L147	
BASPA	502144N 0704001E	M75, Z624	TMA UACC
BASPI	433257N 0791501E	L138, M610	
BASPU	471514N 0525046E	L51	TMA UATG
BASUN	440216N 0505614E		TMA UATE
BATAD	500554N 0640927E	N167	
BATEG	445958N 0781301E		TMA UAAT
BAVAG	531819N 0665235E	N985, T522, W361, Z584	
BEBLU	544630N 0665030E	N167, N170, T522	RR-7
BEDIT	500537N 0821029E		TMA UASK
BEDKA	501318N 0721545E	T523	TMA UACC, TMA UAKK
BEDMU	541215N 0704523E	P179	TMA UACP
BEDNU	420007N 0692621E	Z554	TMA UAII
BEDOR	482529N 0673251E	M168, N987, W332	TMA UAKD
BEDRU	490642N 0623638E	M993	
BEDUR	433546N 0765739E	L998, M610	
BEKAS	514029N 0515327E	L163, M56	
BEKOR	494513N 0623050E	L26, L988, N55	
BEKRO	434850N 0753952E	T524	TMA UAAA

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
BERTO	433159N 0794824E	M610, Z315	
BERVI	434059N 0741156E	M610	
BESOL	502254N 0610548E	M166, T586	
BETIK	480807N 0665309E	L86, Z164	TMA UAKD
BETPU	455758N 0675945E	M168	
BIKLU	532548N 0633314E		TMA UAUU
BIKRI	472814N 0752625E	M149	TMA UAAH
BIKTO	531235N 0691745E		TMA UACK
BILGA	483452N 0552426E	Z210	
BILMO	430414N 0711143E		TMA UADD
BIMDO	441809N 0673135E	M610, N987	
BIMSO	531631N 0652038E	W361, Z584	TMA UAUU
BINBU	530105N 0634057E		TMA UAUU
BINRI	432607N 0751309E	L143, Z370	
BIOTA	442124N 0764224E	Z584	
BIPSO	521614N 0772311E		TMA UASP
BITNU	520734N 0764609E		TMA UASP
BOBRO	440648N 0744228E	T524	
BODNU	502346N 0750918E	T649, Z160	
BODSI	445034N 0541914E	L992, M158, N37, Q198	RR-2
BOGDI	432517N 0741622E	Z817	
BOKIS	505736N 0833312E	L135	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
BOLGO	494300N 0563525E	Z210	TMA UATT
BOLNA	433712N 0625812E	M161	
BOLSU	511507N 0725620E	L988, N996, W358, Z553	TMA UACC
BOMKA	420232N 0691624E	P178	TMA UAI
BONZU	481815N 0833043E	Z208	
BORIS	425127N 0660533E	N147	
BUDER	521310N 0632052E	L165	TMA UAUU
BUDET	445507N 0645824E	L139, M75	TMA UAOO
BUDUL	471917N 0514811E		TMA UATG
BUGEB	410824N 0670836E	P180	
BUKEN	440406N 0650744E	N990	
BULOG	500854N 0660036E	L145, N996	TMA UAUR
BURID	470234N 0810051E	N161, N993, Z370	TMA UASU
BURIK	470012N 0675152E	M168	UAKD
BUSAB	444159N 0651844E		TMA UAOO
DAKIN	540930N 0722418E	L86, M75, N55, N990, T586	
DAKOZ	532103N 0693701E	N170, N987, T586, Z160, Z584, Z588	
DEKED	433653N 0741306E	Z370	
DEMAS	424732N 0712008E	L145	
DEPIR	540211N 0662405E	N60, N167, W355	
DERAD	474634N 0703805E	N161	
DEREG	431138N 0681857E		TMA UAIT

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
DESER	445502N 0753100E	N143, Z583	
DESOK	441629N 0775521E	L135	TMA UAAA
DETAK	434823N 0765029E	L855, L998	
DETOV	501555N 0731235E	Z553	TMA UAKK
DEVNA	500647N 0833619E	M993	TMA UASK
DIBAD	411700N 0675600E	N193, Z554	
DIBUK	472631N 0754536E	N102	TMA UAAH
DIDAL	512908N 0695453E	L994	TMA UACC
DIDOB	544558N 0693143E		TMA UACP
DIDOP	433941N 0633027E	L162	
DIKAM	443650N 0663555E	L855	TMA UAOO
DILGI	504833N 0772303E	L994, P984	
DILIR	493452N 0625056E	L165, N996	
DILNA	441450N 0644911E	L163, P184, T916	TMA UAOO
DILOL	433936N 0512339E		TMA UATE
DILVA	533219N 0693807E		TMA UACK
DIMPA	463633N 0495959E	L864, L988	
DINBO	480029N 0664647E	M993	TMA UAKD
DIPSU	475340N 0675220E		TMA UAKD
DIPUD	500238N 0571914E		TMA UATT
DIRIN	501352N 0822119E		TMA UASK
DISAD	434529N 0511835E		TMA UATE

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
DITKI	482034N 0692417E	L26, L51	
DITLO	431708N 0765420E		TMA UAAA
DITSO	470443N 0671637E	N990, W332	TMA UAKD
DITSU	441934N 0743855E	N143	
DIVNO	454418N 0574000E	M610, N161	RR-2
DODEM	484212N 0773614E	M166, N102, P984, W348	
DODID	520353N 0765234E		TMA UASP
DODOK	451420N 0760011E	L998, N143	
DODOL	423536N 0712617E		TMA UADD
DODUR	412300N 0684800E	L163, M168, P178, Z554, Z578, Z580	
DOGEL	442430N 0525059E	N37, N73	
DOKAZ	492452N 0840936E	L993, L994	TMA UASW
DOKUS	502539N 0513528E	M158, W324	TMA UARR
DOKUT	524814N 0651230E	L994, L998	TMA UAUU
DOLEP	470047N 0520352E		TMA UATG
DONUP	423759N 0694912E	N102	TMA UAIL
DONUR	473022N 0750038E	Z160	TMA UAAH
DOPAN	521213N 0625401E	Z582	TMA UAUU
DOPAR	481831N 0682229E	M75	TMA UAKD
DOSAK	520044N 0781212E	P179, N985	TMA UASP
DOSOR	415702N 0691225E	P178	TMA UAIL
DOTAL	440745N 0780904E	Z160, Z370	TMA UAAA

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
DOZIN	492040N 0721800E	L51, N37, W351	TMA UAKK
EDADU	430032N 0710621E		TMA UADD
EDAKO	504120N 0522510E	M161	TMA UARR
EDANO	510858N 0725804E	L994, Z553, Z746	TMA UACC
EDETO	495808N 0670732E	M168, N987, P574, W332	
EDIBA	424519N 0682349E	Z380	TMA UAI
EDOLO	465805N 0515702E		TMA UATG
EDOSA	521955N 0771645E		TMA UASP
EKDAC	482100N 0562959E	N996, M161	
EKLAT	432230N 0753237E	Z370	TMA UAAA
EKLOP	482530N 0651734E	M741, M993	
EKNIL	444003N 0732651E	N102	
EKNIZ	442452N 0612711E	L165, M875	
EKNOD	494703N 0733707E		TMA UAKK
EKPIN	482805N 0535721E	N60	
EKTAB	494555N 0750718E	N37, Z160	
EKTEN	513242N 0523030E	A122, M158, Z102	TMA UARR
EKTOB	501548N 0571055E	L26, L147, L992, M166, M199, M993, N60, N73, Z210	
EKSOZ	531113N 0633346E	L145, L165, L994, M741, N60, N126, Z582, Z584	
EKTUN	422343N 0694857E		TMA UAI
EKTUS	514225N 0765305E	L988, M34	
ELAHA	431932N 0683446E	N147, P178, Z761	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ELENU	435017N 0741838E	L855	
ELRAB	490433N 0813210E	L135, L993	
ELSEB	463234N 0675439E	L147, M168	
ELSUT	511342N 0805506E	G121, L143	TMA UASS
EMBEK	502333N 0625947E	M166	
ENETO	494223N 0591154E	L147, T586	
ENONA	480316N 0763820E	N102	
EPOLI	472234N 0541316E	L51, N996	
ERKIS	484421N 0572756E	L163, L988	
ERMEK	441245N 0661954E	Z380	TMA UAOO
ERNEN	504754N 0642731E	M741, N55	
EROMI	461234N 0762117E	Z160	
ERSAS	532341N 0632455E		TMA UAUU
ERTUZ	441307N 0641019E	L86, L855, T916	
ERUTA	480837N 0604210E	L162	
ESADO	470607N 0760037E	W336, Z243	TMA UAAH
ESKIZ	420521N 0670429E	M741, N102	TMA UAIK
ESUMA	491025N 0765006E	M149, M993	
ETEDA	442024N 0763206E	L143, L998, W333	TMA UAAA
ETELA	481055N 0554657E	N996	
ETORI	503208N 0790845E	L994	TMA UASS
ETOTU	525858N 0633244E		TMA UAUU

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ETRAN	463321N 0780521E	N143	
FAZUL	440916N 0613731E	M875, T916	
FINON	450211N 0773900E	P984	TMA UAAT
FODIK	422220N 0692631E	L139, N102, N143, P178, Z380, Z554	
FORMO	470534N 0813933E	Z208, Z243, Z370	
FULSA	453758N 0784751E	L135	TMA UAAT
GAGSU	522335N 0771018E		TMA UASP
GAKMA	440610N 0774907E	L135	TMA UAAA
GALKI	511035N 0771814E	P984, T649	
GALSU	461126N 0804952E	N993	TMA UAAL
GAMBU	441106N 0702401E	L145, L855	
GANGA	530026N 0695146E		TMA UACK
GARDU	453219N 0523200E	N996, Z102	
GASBI	422611N 0502811E	A357, N60, N161	TMA UATE RR-2
GASBU	434640N 0791528E	Z315	
GEDNO	502211N 0740032E	N993	
GEDSA	483738N 0624054E	L147, L165, L728, P574	
GEGSI	471634N 0514119E		TMA UATG
GEKSO	431544N 0664228E	M741	
GEKTI	433253N 0771244E		TMA UAAA
GEMBO	500256N 0625600E	L165, N55	
GENDI	431800N 0682200E	L139, M168, N147, Z621, Z632	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
GENGA	461625N 0773739E	L26, L143, N143, N147, P984	
GERLI	495334N 0535254E	M56, M161	
GERPU	425739N 0714951E	L728, Z817	TMA UADD
GIGDA	461942N 0801638E	Z370	TMA UAAL
GIGRI	441248N 0521256E	N37	TMA UATE
GIGUR	444920N 0645300E	M75, M610	TMA UAOO
GIKON	531041N 0700822E		TMA UACK
GILAK	465738N 0815536E	N161	
GILAT	415707N 0660000E	N102	
GIMRI	434530N 0672931E	L139, N987	
GIREM	473219N 0743709E	N170, W333	TMA UAAH
GIRUL	430826N 0520542E	N73, Q161	
GISEK	443231N 0652559E		TMA UAOO
GISIR	465704N 0665732E	L147, M75	
GISTO	472457N 0524654E	L988	TMA UATG
GITIM	441752N 0662540E	M741, L139, T916	TMA UAOO
GITNA	524459N 0652518E	L994, M168	
GITUD	490032N 0780418E	N102, N993	
GOBDI	545052N 0692749E		TMA UACP
GOBOR	433811N 0681918E	M168, P178	TMA UAIT
GOBSO	505523N 0763521E	L994, M34, T649	TMA UASP
GOGDI	470320N 0525055E	L139	TMA UATG

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
GOGDO	442524N 0772618E	P984	TMA UAAA
GOLGI	453153N 0533543E	M158, N73	
GOLTU	500404N 0741911E	T649	TMA UAKK
GOMAL	470809N 0795150E	L135, M618, N161	
GOMIR	501042N 0844206E	N143, M618, M993	
GONEL	483912N 0735912E	M993, N170	
GORBO	490316N 0761100E	M166, M993, W348	
GORIM	484905N 0672456E	L26, L86, M168, N987	
GORVA	462455N 0664655E	N990, W332	
GOSKU	441218N 0540333E		TMA UATB
GOSLU	431413N 0764830E		TMA UAAA
GOSPA	485256N 0633233E	M993, N167, P574	
GULDO	495223N 0562651E	N60	TMA UATT
GUMGA	510752N 0630806E	T586	
GURPI	495618N 0711236E	M166, Z586, Z624	TMA UACC
GUTAN	514024N 0505912E	A368, M161	TMA UARR
IBDAS	473412N 0782432E	L143, Z243	
IBLAN	511832N 0710620E		TMA UACC
IBMOB	413436N 0680213E	Z753	
IBROZ	430710N 0682307E		TMA UAIT
IDAKI	494048N 0832740E	L994	TMA UASK
IDILI	443608N 0780716E	L135	TMA UAAT

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
IDMIS	444251N 0655218E		TMA UAOO
IDROB	502513N 0664008E		TMA UAUR
IKANA	545924N 0681200E	A359, P179	TMA UACP
INDAG	440635N 0725812E	L147, T916	
INGEG	433001N 0684244E		TMA UAIT
INGOB	502456N 0671427E		TMA UAUR
INKOL	480633N 0652413E	M741, N37	
INKUM	454952N 0620739E	L139, L162, L163, L165, M199, N167	
INLIG	441743N 0701919E	T916, L145	
INLUL	463730N 0803449E	Z370	
INPAD	432106N 0685105E		TMA UAIT
INREL	424136N 0713019E		TMA UADD
INRIK	500744N 0692030E	N990, M166	
INRIS	512800N 0521856E	A122, M158	
INRUG	420425N 0672311E	N987	TMA UAIK
INRUM	524302N 0740047E	Z584	
INTAL	484345N 0702839E	W351	
INTER	491433N 0595813E	L162, L988	
IPKOD	495415N 0644617E	N996, M741	
IPLED	432348N 0493000E	G96, N37	TMA UATE RR-8
IPNIL	505034N 0643305E	N55, N167	
IPRAR	404431N 0683447E	M168	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
IRGIT	485220N 0750436E	M993, Z160	
IRLEM	505353N 0672936E	N987	TMA UAUR
ITAKA	435224N 0493000E	L864, N154, R227	TMA UATE
IZIMA	432236N 0770503E	L135, L998, N170, P984, Z315, Z370	
KABIZ	475552N 0802659E	L135, M166, N143, N993, Z243, Z584	
KANET	521235N 0770542E	L51, M34, N985, N996, P179, P984, Z584	
KANZI	502504N 0742336E	W351	
KARIM	431136N 0674737E	N147, Z380, Z579	TMA UAIT
KIZMI	425214N 0711654E	L145, N143, Z580, Z817	
KEDUL	511959N 0514052E		TMA UARR
KEHON	493749N 0761100E	L993	
KEKAM	512300N 0771529E	P984	TMA UASP
KEKUN	492143N 0581653E	M199, T586	
KERUL	415128N 0520821E	Z581	
KESOS	433713N 0512713E		TMA UATE
KESOT	500111N 0600343E	L26, T586	
KEZUT	452811N 0790448E	N993	TMA UAAT
KODOL	511638N 0695651E	T523	TMA UACC
KODUM	475556N 0544537E	L988, N996, Z210	
KOKAV	542244N 0673738E	N60, N170, W355	TMA UACP
KOKON	500958N 0702609E	M75	TMA UACC
KOKZA	450622N 0782548E	L135, N126, N993, Z160	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
KOLAM	423702N 0702540E	N143, Z580	TMA UAI
KOLIB	454047N 0512848E	N60, W324	
KOLUR	515901N 0704103E	N170, N990, W333	TMA UACC
KOMOS	424517N 0713537E		TMA UADD
KOMRE	455641N 0572649E	N37	
KONAT	452754N 0774805E	P984, Z160, Z584	TMA UAAT
KONEK	460631N 0750443E	M149	TMA UAAH
KORAG	435134N 0560000E	N102, N154	
KUDUG	433216N 0675457E	L139	TMA UAIT
KUGIR	440625N 0705906E	L855, N147	
KUGUN	493139N 0685550E	N990	
KULHI	431211N 0730422E	Z817	
KUNAS	430923N 0560000E	N193	
KURAB	442311N 0610344E	N167	
KUROL	475900N 0704800E	L26, M993	
KURUL	485059N 0554051E	M161, Z210	
KUSOT	502128N 0655110E	L145, M166	TMA UAUR
KUSUM	514420N 0644639E	L145, T586	
LADOG	512959N 0713440E	M75, Z588	
LAGMO	514954N 0791500E	L988, M149, N985, P179, T649	RR-3
LAGUK	440528N 0795517E	N126	
LAKEL	431216N 0765439E	L135, P984	TMA UAAA

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
LALAS	485941N 0755014E	M34, M993	
LALKA	530017N 0683140E	T586	TMA UACK
LALRI	500626N 0572512E		TMA UATT
LAMGI	500657N 0644154E	L988, M741	
LANIN	472659N 0545937E	L51, N73	
LANOL	411133N 0685506E	N193, Z578	
LANOR	540536N 0624042E	L145, L985, L998, M741, N993, R482	TMA UAUU RR-6
LANUK	493317N 0623239E	N996	
LARBA	424922N 0683725E	Z632	TMA UAI, TMA UAIT
LARoz	451010N 0521956E	M610	
LARPI	501721N 0560345E	M166	TMA UATT
LASDO	462443N 0755651E	Z160	TMA UAAH
LASMU	490432N 0624534E	L165, M993	
LASNA	492602N 0815315E	L135	TMA UASK
LASPA	534852N 0684219E	N170	TMA UACK
LATKO	522508N 0664427E	L994, T522, T586	
LATNU	445345N 0612553E	L985, M161, N167	
LAVLO	545546N 0692355E		TMA UACP
LEDGI	510855N 0513238E	M158, M161, M166	
LEDPO	444735N 0654840E		TMA UAOO
LEGLA	432826N 0771654E		TMA UAAA
LEKLU	450701N 0754903E	N143, N170	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
LEMDU	470002N 0674228E	N987	TMA UAKD
LENTA	514854N 0602236E	L993, N60	
LEPRA	532811N 0725005E	P179	
LEPSI	465750N 0534950E	L139, N996	
LESNA	501302N 0725127E	Z588	TMA UAKK
LETIK	551200N 0683200E	A303, N987	TMA UACP
LIGMO	504539N 0710837E	M75, T523, Z746	TMA UACC
LIKRU	431730N 0765447E		TMA UAAA
LIMTO	440138N 0684518E	M610	
LIPSI	461808N 0784001E	M618, Z584	
LIRMO	530945N 0692524E		TMA UACK
LIRNA	501159N 0812203E	L994, W361	TMA UASS, TMA UASK
LITBA	501849N 0582332E	M166	TMA UATT
LITNO	492856N 0730737E		TMA UAKK
LODEZ	531715N 0623004E	G111, L985, L994	
LOGTO	483204N 0561202E	L992, M161, T586	
LOKOZ	470838N 0514805E	L51, L139, L988, M158, N60	
LOLBI	501913N 0565328E		TMA UATT
LONSI	435826N 0743022E	T916	
LUGER	464426N 0655200E	L86, L728, M741	
LUKET	473310N 0562135E	L51	
LUKUR	443112N 0673226E	L855, N987	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
LUKUS	480759N 0741658E	N170, W333	
LULEK	524106N 0700733E	N170, W333	TMA UACK
LULKE	485932N 0522700E	Z102	
LUMEZ	470537N 0582647E	M161, P574	
LUMUD	495933N 0760202E	W352	
LUMUR	430639N 0512953E	Z581	TMA UATE
LUNOV	493800N 0801801E	W360, Z584	TMA UASS
LUREL	501613N 0790803E	N37, W352	TMA UASS
LURIT	432931N 0761943E		TMA UAAA
LURUM	494127N 0564322E	N73	TMA UATT
LUSAM	511128N 0515127E		TMA UARR
LUSIR	510229N 0511911E		TMA UARR
LUSUT	474510N 0680213E		TMA UAKD
LUTEK	482853N 0730459E	M993, Z624	
LUZMI	422426N 0681456E	M168	
MADEV	471857N 0770328E	N161, W336, Z243	
MAGOL	425338N 0685144E	L139, P178	TMA UAII, TMA UAIT
MAKEK	461854N 0791700E	L135	
MAKUT	483217N 0683632E	L26, M75	
MALOD	451812N 0751037E	M149, N147, Z583	
MAMIR	425438N 0763642E	L135, P984	RR-7
MANAD	491421N 0604601E	L147, N996	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
MAROR	453720N 0753509E	N170	
MASAV	450507N 0551053E	N37, N55, N161	
MASED	510644N 0511355E		TMA UARR
MEDOL	433425N 0531659E	N55, N193	
MIHOS	441332N 0712336E	N147, T916	
MIKDO	425058N 0714551E	Z580	
MIKNO	420200N 0681200E	L163, M168, N143, Z579	TMA UAI
MIKSA	511608N 0784241E	M149, Z584	
MILSO	452519N 0604609E	M161, M610	RR-2, RR-5
MIMKA	502620N 0693328E	N990	
MIMRI	433808N 0634822E	L86, M75, P184	
MIRGA	452416N 0693051E	L145	
MISPU	435002N 0512237E		TMA UATE
MOGTU	485209N 0543832E	N60	
MOMUL	411524N 0664024E	P180	
MONEG	523627N 0671849E	N993, T586	
MULTA	510442N 0565042E	A360, M199, M875	TMA UATT
MUZEL	433756N 0692447E	N147	
NAGAZ	490336N 0504220E	L736	
NARUR	513200N 0641130E	M741, T586	
NASAB	435310N 0504810E		TMA UATE
NASIP	430347N 0715332E	N143	TMA UADD

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
NASMO	451929N 0782626E		TMA UAAT
NATUS	445208N 0643650E	M610	TMA UAOO
NEBSO	474925N 0675717E		TMA UAKD
NEGEZ	421758N 0694640E		TMA UAIH
NEGMI	511245N 0714553E		TMA UACC
NELOL	462733N 0530638E		CTR UATZ
NELTI	541942N 0641630E	L165, M168	TMA UAUU
NEMEG	491804N 0831242E	M618, Z727	
NEMKU	485904N 0734736E	N170, W333	TMA UAKK
NEPIL	434133N 0522455E	N73, N193, Z102	TMA UATE
NEPLA	470920N 0740031E	L26	TMA UAAH
NESDO	454926N 0544739E	L992	
NESUN	460123N 0801738E	N993	TMA UAAL
NETAT	403653N 0682413E	M168	
NEZRA	425733N 0663541E	N147	TMA UAIK
NIGET	434124N 0771126E	P984, T916	TMA UAAA
NIKNA	462557N 0513838E	N60, W324	TMA UATG
NIKVI	473555N 0673148E		TMA UAKD
NIMAD	495842N 0824844E		TMA UASK
NIMAG	415801N 0690101E	Z632	
NINAG	462208N 0584556E	N37, L139	
NINBU	505748N 0583554E	A357, N60	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
NINKO	471748N 0810819E	Z208, Z243	TMA UASU
NIPAL	462919N 0764342E	L26	
NIRAN	461504N 0615245E	L162	
NITNA	433032N 0633601E	L162, M75	
NODSA	544646N 0685017E		TMA UACP
NOGBU	435220N 0510352E	L736, N37, N60, N154, N193, N996, P574, Q161, Z581	
NOKNA	495154N 0811139E	M993	TMA UASK
NONKE	443400N 0781634E	Z160	TMA UAAT
NONDI	460552N 0673842E	N987	
NONRI	493111N 0785223E	L993, N102, M993	
OBAMA	460212N 0690233E	L145, L147	
OBAPI	472530N 0773700E	Z243, P984	
OBARU	472917N 0751312E	M34	TMA UAAH
OBATA	462130N 0491148E	L988	
OBIBU	445219N 0654502E		TMA UAOO
OBUNA	505513N 0791803E	W361, Z584	TMA UASS
ODAMA	503331N 0753513E	T649	
ODATU	505427N 0710518E		TMA UACC
ODILA	494259N 0575122E	L728, M199, M875	TMA UATT
ODIVA	423530N 0640848E	L162, M161, N990	RR-5
ODLUR	432532N 0771101E		TMA UAAA
ODORI	415901N 0684908E	Z578	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ODPUT	473004N 0553846E	L51, L992	
OGADO	453804N 0810107E	L26	
OGANU	462857N 0565153E	N55, P574	
OGAPI	512648N 0511336E	A368, M161	
OGBEZ	431605N 0681447E		TMA UAIT
OGIRU	433336N 0765119E		TMA UAAA
OGLAB	465259N 0745902E	L26, L998, M34, M149, N102, N170, Z160, Z243	
OGLUP	510857N 0715158E		TMA UACC
OGOKI	502245N 0643432E		RR-1, RR-6
OGOLI	412858N 0663632E	N143, N193	
OGRIP	405454N 0680500E	P178, P180, Z580	
OGTOL	424905N 0733002E	L728, Z580	
OGUDU	501516N 0795419E		TMA UASS
OKESO	411051N 0673608E	Z554	
OKMUR	424815N 0791158E	L138	
OKRAT	433034N 0765506E		TMA UAAA
OKSOL	495436N 0824319E		TMA UASK
OLAPU	475146N 0514531E	M158, W324	TMA UATG
OLGAS	520510N 0714507E	M75	TMA UACC
OLINA	451645N 0615140E	L165, M610	
OLKUM	530441N 0741300E	P179	
OMITO	501033N 0581909E	L26	TMA UATT

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
OSBAD	501257N 0671411E		TMA UAUR
OSBOR	410054N 0683059E	Z753	
OSMOG	473140N 0673643E		TMA UAKD
OSNER	482119N 0785409E	M166, L143	
OSROL	504818N 0700112E	L988, N996, W358, Z624	TMA UACC
OSTAG	502223N 0803234E		TMA UASS
ORTEG	444145N 0653349E	L139, L855, M610, N990, P184, Z380	
OTMAS	460419N 0530034E	M158, N996	
PABRI	451455N 0704239E	L147, T524	
PAVEL	425947N 0664642E	L163, M741, N147, Z753	TMA UAIK
PEKIR	433539N 0770931E	M610, P984	
PEMOL	464841N 0551720E	L139, L992	
PETEM	480656N 0553022E	N73, N996	
PETEP	544703N 0691309E	N60, N987, P179	
PETOR	535420N 0713136E	P179, T586	
PIGAL	433428N 0780356E	M610, T916	TMA UAAA
PIKAN	425300N 0493000E	A80, N996	TMA UATE
PILEL	425035N 0731336E	L728	
PIMIB	501013N 0573110E		TMA UATT
PIRIM	444808N 0511741E	N60, Q198, W324	TMA UATE
PIVAL	514549N 0775050E	L988, W361, Z584	TMA UASP
POBEK	432534N 0672754E	N987, Z380	TMA UAIK

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
POBUR	533800N 0721400E	M75, P179, Z553	
POKAT	432530N 0694508E	Z621	
POMNI	510638N 0493240E	L864	
RABEN	502602N 0795343E		TMA UASS
RALAN	440812N 0493000E	A924, Z581	TMA UATE
RAVNI	504030N 0615807E	L985, T586, Z582	
RAVOB	404718N 0683330E	L143	
RAZBI	425954N 0673533E	Z621	TMA UAIK
REBDA	414708N 0690515E	P178, Z632	
REGMU	435005N 0760012E	L143, T916, Z589	TMA UAAA
REGPI	485632N 0650629E	M741, Z164	
REKRU	531530N 0701102E		TMA UACK
RELGE	435304N 0530630E	N154, N161	
RELGO	500234N 0701730E	M75, M166	
RELRU	424925N 0681812E	M168, Z380	TMA UAIT
REMOL	442704N 0681238E	L855, M168	
REMTI	470757N 0670843E	M75	TMA UAKD
RENPA	524400N 0701548E	Z588	TMA UACK
RENPI	463437N 0522656E	M158, Z102	TMA UATG
RENUZ	501914N 0664000E		TMA UAUR
REPLA	452358N 0533011E	N73	
RESBA	462255N 0621359E	L165	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
RESDO	475618N 0595446E	M199	
REZEK	421933N 0691021E		TMA UAI
RIBMO	442238N 0520908E	P574	TMA UATE
RIGDO	495937N 0581049E	L147	TMA UATT
RIKPI	455225N 0794910E	L26, N993, Z370	
RIKRI	465319N 0543423E	L139, N73	
RILBA	485158N 0585148E	M199, N996	
RILOK	431224N 0662729E	L163	
RIMDO	431940N 0631837E	M75, M161	
RIMIR	524153N 0690123E	N987	TMA UACK
RIMPU	500158N 0823031E	L135, L994, M993, Z727	
RIMUN	502651N 0570524E		TMA UATT
RINET	443026N 0663402E	M610	TMA UAOO
RINIT	435305N 0535549E	L992, N154	
RINUR	482255N 0681040E	N990	TMA UAKD
RIPIG	425553N 0523339E		TMA UATB
RISAD	441324N 0761312E	N170	TMA UAAA
RISAS	435854N 0715247E	L855, N102	
RISUL	464525N 0773723E	P984	
RITAB	454308N 0754239E	L998, W333	
RITAL	414130N 0671206E	N143, M741	
RITET	464937N 0623417E	N161, N167	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
RITMU	441806N 0723603E	L147, N102	
RITUF	432533N 0684654E		TMA UAIT
RIVUT	493332N 0730316E		TMA UAKK
ROBIZ	443142N 0662450E		RR-2, RR-6
RODAM	431348N 0741934E	L147	
RODRO	411433N 0690034E	L163	
ROGIR	501701N 0803329E		TMA UASS
ROGUN	531944N 0682341E	W361, Z584	TMA UACK
ROHIL	511738N 0754034E	L51, W351	TMA UASP
ROKOD	494408N 0801719E	M993, Z584	
RONED	494226N 0734127E		TMA UAKK
RONRO	500944N 0821555E		TMA UASK
ROPEL	544155N 0685416E		TMA UACP
ROPIM	505038N 0711120E		TMA UACC
ROSID	483440N 0762005E	M149	
ROSIM	423415N 0672453E	L163, N987	
ROTEP	423106N 0691449E		TMA UAI
RUDAL	512154N 0675222E	L998, N987	
RUDIG	431548N 0525434E		TMA UATB
RUDIZ	471122N 0790856E	N143, N161	
RUGUS	474250N 0591219E	L51, L163, M875	
RULAD	433001N 0804359E	M610, N126	RR-2

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
RUSEK	424549N 0690116E	L139, P178	TMA UAI
RUTIL	421053N 0510433E	P574, Z102	
SANIR	505230N 0572942E	G552, L992	TMA UATT
SANUR	455717N 0612446E	L139, L985	
SARIN	465156N 0825317E	M166, N161	RR-1
SEHAL	494940N 0721215E	M166	TMA UAKK
SIRHA	494354N 0730121E		RR-1, RR-7
SIVKO	501827N 0543349E	L163, L728, M166	RR-1
SOMIP	502106N 0801402E	G96, G121, L143, L994, N37, N102, Z584	
SOMOL	534918N 0745629E	P984	
SOPRA	434455N 0775106E		TMA UAAA
SUBAN	463355N 0762353E	L26	TMA UAAH
SUBOL	474716N 0645433E	L51, L147	
SUGUM	432507N 0771027E		TMA UAAA
SUKUR	494431N 0661957E	L145, P574	TMA UAUR
SULET	430602N 0743503E	L143	
SULIB	494914N 0742808E	N37, W352	TMA UAKK
SURAR	481318N 0631317E	N167	
SUTUR	501837N 0711714E	Z586	TMA UACC
TAGAL	485638N 0763825E	M149, M166	
TENLU	495139N 0733246E		TMA UAKK
TENRO	445953N 0741408E	M34, N102, N147	

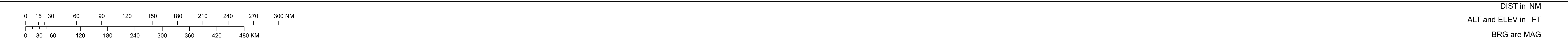
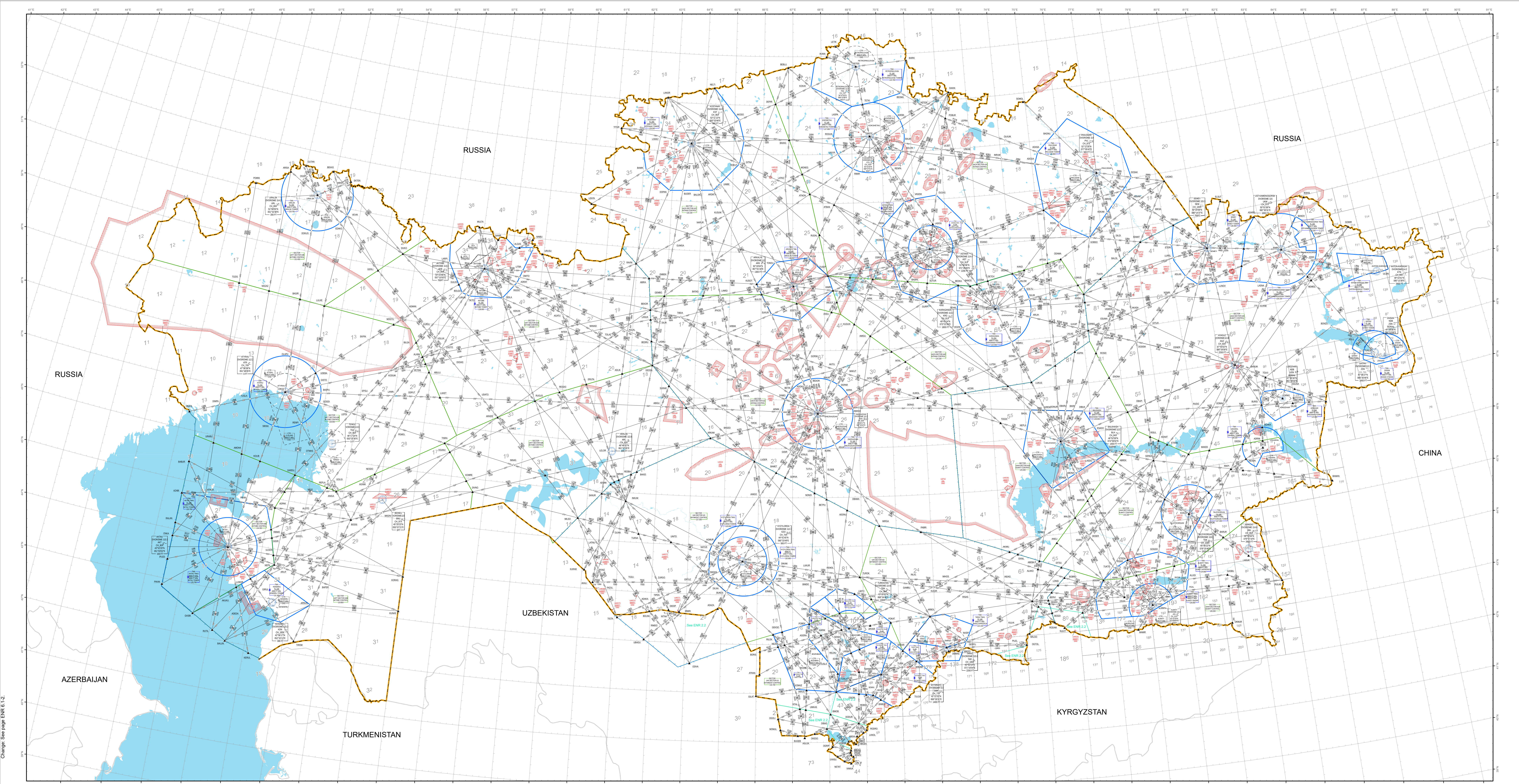
Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
TETKI	540020N 0692425E	N987, W333	TMA UACK, TMA UACP
TIBDA	493800N 0632900E	L26, N996, Z164	
TIGTA	432728N 0620446E	L855, M875	
TIKTO	494006N 0565014E	L992	TMA UATT
TIMKA	440832N 0681511E	M168, M610, P178	
TIMZO	494630N 0593634E	L162, M993	
TIPEN	435532N 0632045E	L162, L855	
TIPSA	433809N 0753149E	L143, L855, M610, Z817	TMA UAAA
TIRBA	433456N 0773031E	L135, M610, Z315, Z370	TMA UAAA
TIROK	472456N 0655037E	L147, N161	
TIROM	421434N 0531720E	L992, Q161	RR-4
TISRA	463851N 0564100E	L139	
TITIL	443944N 0543810E	N55, N161	
TITUR	532406N 0610924E	G111, L994, N985	TMA UAUU RR-3
TOGDI	472143N 0731457E	L26, Z583	
TOGRU	423751N 0520952E		TMA UATB
TOKNA	482525N 0750316E	Z160	
TOLAZ	490416N 0611752E	L147, N55	
TOLKI	473415N 0811640E	M166, Z208	
TOMGO	434146N 0734454E	L147, L855, M34, M610, N143, Z370	RR-2
TOMZU	504824N 0662645E	W332	TMA UAUR
TONLA	421334N 0681508E	N102	TMA UAIK, TMA UAII

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
TOZIS	490511N 0494538E	L864	
TOZLI	441054N 0621817E	M161, T916	
TUGLA	465142N 0505006E	L736, L988	TMA UATG
TUKNA	451058N 0623308E	L162, M610	
TUKTO	441136N 0760830E	Z583	TMA UAAA
TULFA	500354N 0764539E	W352	
TULGA	415347N 0701204E	L139	TMA UAIL
TULPI	461318N 0752358E	L998, W333	TMA UAAH
TUMIN	530655N 0693301E		TMA UACK
TUNZA	473654N 0843414E	Z208, Z727	TMA UASI
TURIK	423108N 0700422E	N143	TMA UAIL
TUROC	442214N 0685447E	L728, L855	
TUSEP	503136N 0680751E	L988, L993, N126, N996, W358, Z583, Z746	TMA UAUR
TUTUL	463825N 0674057E	L147, N987	
TUXOK	543701N 0685814E		TMA UACP
UBAGU	430228N 0625120E	M75	
UDATO	473801N 0573755E	L51, M161	
UDEBA	473802N 0523443E	N60, Z102	TMA UATG
UDEKA	455252N 0770006E	N143, Z160	
UGLUK	484125N 0555642E	M161, N73	
UGMON	492619N 0770343E	M149, N993	
ULKAP	490729N 0755332E	M34, M166	

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
ULRIP	474743N 0634635E	L51, N37	
ULSET	530027N 0720230E	M75, W361, Z584	
ULSIN	491043N 0851458E	L994	TMA UASW
ULSON	435244N 0522039E	N154	TMA UATE
UMDEM	485611N 0665322E	L26, L145	
UMIRO	441421N 0763537E	L998, Z584	
UMKAS	414012N 0672149E	N987	
UMLOD	432218N 0750715E	L143, M618	
UNABO	474352N 0714935E	N161, L26	
UNADA	433551N 0764831E	M610, N170	
UNIBE	522328N 0643445E	W332	TMA UAUU
UNITO	450238N 0632952E	L163, M610	
UNKAB	525439N 0724332E	Z584	
UNLOM	501425N 0740834E	L51, W351	TMA UAKK
UNREN	423755N 0712502E		TMA UADD
URABU	455108N 0500407E	L864	
URUSU	504142N 0585724E	L162	
USUGA	433600N 0761934E	M610, T524, Z583, Z589	TMA UAAA
UTEMU	493757N 0671237E	N987, M168	TMA UAUR
UTORI	451248N 0535555E	P574	
UVASU	404236N 0681306E	L143	
UVTOK	493924N 0794524E	L143, M993	TMA UASS

Name-code designator	Geographical Coordinates	ATS route or other route	Terminal area
1	2	3	4
UZLOR	464915N 0613205E	L162, L985	
VAGEM	520159N 0710114E	Z588	TMA UACC
VAKES	433230N 0510000E		TMA UATE
VAMRI	501330N 0681645E	M166, P574	TMA UAUR
VAMUK	403400N 0683430E	L170	
VETUB	504107N 0701250E	P574, Z624, Z746	TMA UACC
VETUS	532638N 0695329E		TMA UACK
VEVIK	505201N 0523529E	M56, M166, Z102	TMA UARR
ZAZBU	532352N 0630332E		RR-3, RR-6
ZODLE	424402N 0732817E		See route V-15 in the list of airways of the Kyrgyz Republic - KAN.KG/RU/AIS
ZURGO	441233N 0631012E	L162, T916	
ZUSLA	423838N 0675917E	Z579	

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Reporting point

On Request

Compulsory

Aerodrome

Radionavigation aids

DME

NDB

VOR

Compass rose

FIR - Flight information region

State Boundary

Airspace

ATZ - Aerodrome traffic zone

CTR - Control zone

FIR SECTOR

TMA - Terminal Control Area

Danger; Prohibited; Restricted Areas

Delegated Airspace

Hydrography

Area minimum altitude (AMA)

Example: 18600 FT - 18⁶

WGS84
Lambert Conformal Conic Projection
The chart is True North orientated

AIRAC AMDT 012/2026

CHANGES:

Add new aerodrome(1):
UATB KENDERLI.

Add new airspaces(2):
KENDERLI TMA,
KENDERLI CTR.

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UATB - KENDERLI

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UAUU - KOSTANAY

UAUU AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAUU - 1
UAUU AD 2.3	Operational Hours	AD-2-UAUU - 1
UAUU AD 2.4	Handling Services And Facilities	AD-2-UAUU - 2
UAUU AD 2.5	Passenger Facilities	AD-2-UAUU - 2
UAUU AD 2.6	Rescue And Fire Fighting Services	AD-2-UAUU - 2
UAUU AD 2.7	Seasonal Availability - Clearing	AD-2-UAUU - 2
UAUU AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAUU - 3
UAUU AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAUU - 3
UAUU AD 2.10	Aerodrome Obstacles	AD-2-UAUU - 3
UAUU AD 2.11	Meteorological Information Provided	AD-2-UAUU - 4
UAUU AD 2.12	Runway Physical Characteristics	AD-2-UAUU - 4
UAUU AD 2.13	Declared Distances	AD-2-UAUU - 6
UAUU AD 2.14	Approach And Runway Lighting	AD-2-UAUU - 6
UAUU AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAUU - 6
UAUU AD 2.16	Helicopter Landing Area	AD-2-UAUU - 6
UAUU AD 2.17	ATS Airspace	AD-2-UAUU - 6
UAUU AD 2.18	ATS Communication Facilities	AD-2-UAUU - 7
UAUU AD 2.19	Radio Navigation And Landing Aids	AD-2-UAUU - 7
UAUU AD 2.20	Local Aerodrome Regulations	AD-2-UAUU - 8
UAUU AD 2.21	Noise Abatement Procedures	AD-2-UAUU - 11
UAUU AD 2.22	Flight Procedures	AD-2-UAUU - 11
UAUU AD 2.23	Additional Information	AD-2-UAUU - 13
UAUU AD 2.24	Charts Related To An Aerodrome	AD-2-UAUU - 14
UAUU AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAUU - 14
UAOO AD 2		AD-2-UAOO - 1
UAOO AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAOO - 1

UAOO - KYZYLORDA

UAOO AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAOO - 1
UAOO AD 2.3	Operational Hours	AD-2-UAOO - 1
UAOO AD 2.4	Handling Services And Facilities	AD-2-UAOO - 2
UAOO AD 2.5	Passenger Facilities	AD-2-UAOO - 2
UAOO AD 2.6	Rescue And Fire Fighting Services	AD-2-UAOO - 2
UAOO AD 2.7	Seasonal Availability - Clearing	AD-2-UAOO - 3
UAOO AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAOO - 3
UAOO AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAOO - 3

UAOO AD 2.10	Aerodrome Obstacles	AD-2-UAOO - 3
UAOO AD 2.11	Meteorological Information Provided	AD-2-UAOO - 4
UAOO AD 2.12	Runway Physical Characteristics	AD-2-UAOO - 4
UAOO AD 2.13	Declared Distances	AD-2-UAOO - 5
UAOO AD 2.14	Approach And Runway Lighting	AD-2-UAOO - 5
UAOO AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAOO - 5
UAOO AD 2.16	Helicopter Landing Area	AD-2-UAOO - 6
UAOO AD 2.17	ATS Airspace	AD-2-UAOO - 6
UAOO AD 2.18	ATS Communication Facilities	AD-2-UAOO - 6
UAOO AD 2.19	Radio Navigation And Landing Aids	AD-2-UAOO - 7
UAOO AD 2.20	Local Aerodrome Regulations	AD-2-UAOO - 7
UAOO AD 2.21	Noise Abatement Procedures	AD-2-UAOO - 8
UAOO AD 2.22	Flight procedures	AD-2-UAOO - 8
UAOO AD 2.23	Additional Information	AD-2-UAOO - 9
UAOO AD 2.24	Charts Related To An Aerodrome	AD-2-UAOO - 10
UAOO AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAOO - 10
UASP AD 2		AD-2-UASP - 1
UASP AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASP - 1
UASP - PAVLODAR		
UASP AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASP - 1
UASP AD 2.3	Operational Hours	AD-2-UASP - 1
UASP AD 2.4	Handling Services And Facilities	AD-2-UASP - 2
UASP AD 2.5	Passenger Facilities	AD-2-UASP - 2
UASP AD 2.6	Rescue And Fire Fighting Services	AD-2-UASP - 2
UASP AD 2.7	Seasonal Availability - Clearing	AD-2-UASP - 2
UASP AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASP - 3
UASP AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASP - 3
UASP AD 2.10	Aerodrome Obstacles	AD-2-UASP - 3
UASP AD 2.11	Meteorological Information Provided	AD-2-UASP - 3
UASP AD 2.12	Runway Physical Characteristics	AD-2-UASP - 4
UASP AD 2.13	Declared Distances	AD-2-UASP - 5
UASP AD 2.14	Approach And Runway Lighting	AD-2-UASP - 5
UASP AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASP - 5
UASP AD 2.16	Helicopter Landing Area	AD-2-UASP - 6
UASP AD 2.17	ATS Airspace	AD-2-UASP - 6
UASP AD 2.18	ATS Communication Facilities	AD-2-UASP - 6
UASP AD 2.19	Radio Navigation And Landing Aids	AD-2-UASP - 7
UASP AD 2.20	Local Aerodrome Regulations	AD-2-UASP - 7
UASP AD 2.21	Noise Abatement Procedures	AD-2-UASP - 8
UASP AD 2.22	Flight Procedures	AD-2-UASP - 9
UASP AD 2.23	Additional Information	AD-2-UASP - 11
UASP AD 2.24	Charts Related To An Aerodrome	AD-2-UASP - 12

UASP AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASP - 12
UACP AD 2		AD-2-UACP - 1
UACP AD 2.1	Aerodrome Location Indicator And Name	AD-2-UACP - 1

UACP - PETROPAVLOVSK

UACP AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UACP - 1
UACP AD 2.3	Operational Hours	AD-2-UACP - 1
UACP AD 2.4	Handling Services And Facilities	AD-2-UACP - 2
UACP AD 2.5	Passenger Facilities	AD-2-UACP - 2
UACP AD 2.6	Rescue And Fire Fighting Services	AD-2-UACP - 2
UACP AD 2.7	Seasonal Availability - Clearing	AD-2-UACP - 3
UACP AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UACP - 3
UACP AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UACP - 3
UACP AD 2.10	Aerodrome Obstacles	AD-2-UACP - 3
UACP AD 2.11	Meteorological Information Provided	AD-2-UACP - 3
UACP AD 2.12	Runway Physical Characteristics	AD-2-UACP - 4
UACP AD 2.13	Declared Distances	AD-2-UACP - 5
UACP AD 2.14	Approach And Runway Lighting	AD-2-UACP - 5
UACP AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UACP - 5
UACP AD 2.16	Helicopter Landing Area	AD-2-UACP - 6
UACP AD 2.17	ATS Airspace	AD-2-UACP - 6
UACP AD 2.18	ATS Communication Facilities	AD-2-UACP - 6
UACP AD 2.19	Radio Navigation And Landing Aids	AD-2-UACP - 7
UACP AD 2.20	Local Aerodrome Regulations	AD-2-UACP - 7
UACP AD 2.21	Noise Abatement Procedures	AD-2-UACP - 10
UACP AD 2.22	Flight Procedures	AD-2-UACP - 10
UACP AD 2.23	Additional Information	AD-2-UACP - 12
UACP AD 2.24	Charts Related To An Aerodrome	AD-2-UACP - 12
UACP AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UACP - 13
UASS AD 2		AD-2-UASS - 1
UASS AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASS - 1

UASS - SEMEY

UASS AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASS - 1
UASS AD 2.3	Operational Hours	AD-2-UASS - 1
UASS AD 2.4	Handling Services And Facilities	AD-2-UASS - 2
UASS AD 2.5	Passenger Facilities	AD-2-UASS - 2
UASS AD 2.6	Rescue And Fire Fighting Services	AD-2-UASS - 2
UASS AD 2.7	Seasonal Availability - Clearing	AD-2-UASS - 2
UASS AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASS - 3
UASS AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASS - 3
UASS AD 2.10	Aerodrome Obstacles	AD-2-UASS - 3
UASS AD 2.11	Meteorological Information Provided	AD-2-UASS - 3
UASS AD 2.12	Runway Physical Characteristics	AD-2-UASS - 4

UASS AD 2.13	Declared Distances	AD-2-UASS - 5
UASS AD 2.14	Approach And Runway Lighting	AD-2-UASS - 5
UASS AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASS - 6
UASS AD 2.16	Helicopter Landing Area	AD-2-UASS - 6
UASS AD 2.17	ATS Airspace	AD-2-UASS - 6
UASS AD 2.18	ATS Communication Facilities	AD-2-UASS - 6
UASS AD 2.19	Radio Navigation And Landing Aids	AD-2-UASS - 7
UASS AD 2.20	Local Aerodrome Regulations	AD-2-UASS - 7
UASS AD 2.21	Noise Abatement Procedures	AD-2-UASS - 7
UASS AD 2.22	Flight procedures	AD-2-UASS - 7
UASS AD 2.23	Additional Information	AD-2-UASS - 10
UASS AD 2.24	Charts Related To An Aerodrome	AD-2-UASS - 12
UASS AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASS - 12
UASI AD 2		AD-2-UASI - 1
UASI AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASI - 1

UASI - SATPAY

UASI AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASI - 1
UASI AD 2.3	Operational Hours	AD-2-UASI - 1
UASI AD 2.4	Handling Services And Facilities	AD-2-UASI - 2
UASI AD 2.5	Passenger Facilities	AD-2-UASI - 2
UASI AD 2.6	Rescue And Fire Fighting Services	AD-2-UASI - 2
UASI AD 2.7	Seasonal Availability - Clearing	AD-2-UASI - 2
UASI AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASI - 3
UASI AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASI - 3
UASI AD 2.10	Aerodrome Obstacles	AD-2-UASI - 3
UASI AD 2.11	Meteorological Information Provided	AD-2-UASI - 3
UASI AD 2.12	Runway Physical Characteristics	AD-2-UASI - 4
UASI AD 2.13	Declared Distances	AD-2-UASI - 4
UASI AD 2.14	Approach And Runway Lighting	AD-2-UASI - 5
UASI AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASI - 5
UASI AD 2.16	Helicopter Landing Area	AD-2-UASI - 5
UASI AD 2.17	ATS Airspace	AD-2-UASI - 6
UASI AD 2.18	ATS Communication Facilities	AD-2-UASI - 6
UASI AD 2.19	Radio Navigation And Landing Aids	AD-2-UASI - 6
UASI AD 2.20	Local Aerodrome Regulations	AD-2-UASI - 7
UASI AD 2.21	Noise Abatement Procedures	AD-2-UASI - 7
UASI AD 2.22	Flight Procedures	AD-2-UASI - 7
UASI AD 2.23	Additional Information	AD-2-UASI - 7
UASI AD 2.24	Charts Related To An Aerodrome	AD-2-UASI - 7
UASI AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASI - 7
UAI AD 2		AD-2-UAI - 1

UAII AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAII - 1
UAII - SHYMKENT		
UAII AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAII - 1
UAII AD 2.3	Operational Hours	AD-2-UAII - 1
UAII AD 2.4	Handling Services And Facilities	AD-2-UAII - 2
UAII AD 2.5	Passenger Facilities	AD-2-UAII - 2
UAII AD 2.6	Rescue And Fire Fighting Services	AD-2-UAII - 2
UAII AD 2.7	Seasonal Availability - Clearing	AD-2-UAII - 3
UAII AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAII - 3
UAII AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAII - 4
UAII AD 2.10	Aerodrome Obstacles	AD-2-UAII - 4
UAII AD 2.11	Meteorological Information Provided	AD-2-UAII - 5
UAII AD 2.12	Runway Physical Characteristics	AD-2-UAII - 6
UAII AD 2.13	Declared Distances	AD-2-UAII - 7
UAII AD 2.14	Approach And Runway Lighting	AD-2-UAII - 7
UAII AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAII - 7
UAII AD 2.16	Helicopter Landing Area	AD-2-UAII - 8
UAII AD 2.17	ATS Airspace	AD-2-UAII - 8
UAII AD 2.18	ATS Communication Facilities	AD-2-UAII - 8
UAII AD 2.19	Radio Navigation And Landing Aids	AD-2-UAII - 9
UAII AD 2.20	Local Aerodrome Regulations	AD-2-UAII - 9
UAII AD 2.21	Noise Abatement Procedures	AD-2-UAII - 11
UAII AD 2.22	Flight Procedures	AD-2-UAII - 11
UAII AD 2.23	Additional Information	AD-2-UAII - 13
UAII AD 2.24	Charts Related To An Aerodrome	AD-2-UAII - 14
UAII AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAII - 14
UAAT AD 2		AD-2-UAAT - 1
UAAT AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAAT - 1
UAAT - TALDYKORGAN		
UAAT AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAAT - 1
UAAT AD 2.3	Operational Hours	AD-2-UAAT - 1
UAAT AD 2.4	Handling Services And Facilities	AD-2-UAAT - 2
UAAT AD 2.5	Passenger Facilities	AD-2-UAAT - 2
UAAT AD 2.6	Rescue And Fire Fighting Services	AD-2-UAAT - 2
UAAT AD 2.7	Seasonal Availability - Clearing	AD-2-UAAT - 3
UAAT AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAAT - 3
UAAT AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAAT - 3
UAAT AD 2.10	Aerodrome Obstacles	AD-2-UAAT - 4
UAAT AD 2.11	Meteorological Information Provided	AD-2-UAAT - 4
UAAT AD 2.12	Runway Physical Characteristics	AD-2-UAAT - 4
UAAT AD 2.13	Declared Distances	AD-2-UAAT - 5
UAAT AD 2.14	Approach And Runway Lighting	AD-2-UAAT - 5

UAAT AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAAT - 5
UAAT AD 2.16	Helicopter Landing Area	AD-2-UAAT - 6
UAAT AD 2.17	ATS Airspace	AD-2-UAAT - 6
UAAT AD 2.18	ATS Communication Facilities	AD-2-UAAT - 6
UAAT AD 2.19	Radio Navigation And Landing Aids	AD-2-UAAT - 7
UAAT AD 2.20	Local Aerodrome Regulations	AD-2-UAAT - 7
UAAT AD 2.21	Noise Abatement Procedures	AD-2-UAAT - 7
UAAT AD 2.22	Flight Procedures	AD-2-UAAT - 7
UAAT AD 2.23	Additional Information	AD-2-UAAT - 8
UAAT AD 2.24	Charts Related To An Aerodrome	AD-2-UAAT - 9
UAAT AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAAT - 9
UADD AD 2		AD-2-UADD - 1
UADD AD 2.1	Aerodrome Location Indicator And Name	AD-2-UADD - 1

UADD - TARAZ

UADD AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UADD - 1
UADD AD 2.3	Operational Hours	AD-2-UADD - 1
UADD AD 2.4	Handling Services And Facilities	AD-2-UADD - 2
UADD AD 2.5	Passenger Facilities	AD-2-UADD - 2
UADD AD 2.6	Rescue And Fire Fighting Services	AD-2-UADD - 2
UADD AD 2.7	Seasonal Availability - Clearing	AD-2-UADD - 3
UADD AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UADD - 3
UADD AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UADD - 3
UADD AD 2.10	Aerodrome Obstacles	AD-2-UADD - 4
UADD AD 2.11	Meteorological Information Provided	AD-2-UADD - 4
UADD AD 2.12	Runway Physical Characteristics	AD-2-UADD - 4
UADD AD 2.13	Declared Distances	AD-2-UADD - 5
UADD AD 2.14	Approach And Runway Lighting	AD-2-UADD - 5
UADD AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UADD - 6
UADD AD 2.16	Helicopter Landing Area	AD-2-UADD - 6
UADD AD 2.17	ATS Airspace	AD-2-UADD - 6
UADD AD 2.18	ATS Communication Facilities	AD-2-UADD - 7
UADD AD 2.19	Radio Navigation And Landing Aids	AD-2-UADD - 7
UADD AD 2.20	Local Aerodrome Regulations	AD-2-UADD - 8
UADD AD 2.21	Noise Abatement Procedures	AD-2-UADD - 10
UADD AD 2.22	Flight Procedures	AD-2-UADD - 10
UADD AD 2.23	Additional Information	AD-2-UADD - 11
UADD AD 2.24	Charts Related To An Aerodrome	AD-2-UADD - 14
UADD AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UADD - 14
UATZ AD 2		AD-2-UATZ - 1
UATZ AD 2.1	Aerodrome Location Indicator And Name	AD-2-UATZ - 1

UATZ - TENGIZ

UATZ AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UATZ - 1
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UATZ AD 2.3	Operational Hours	AD-2-UATZ - 1
UATZ AD 2.4	Handling Services And Facilities	AD-2-UATZ - 2
UATZ AD 2.5	Passenger Facilities	AD-2-UATZ - 2
UATZ AD 2.6	Rescue And Fire Fighting Services	AD-2-UATZ - 2
UATZ AD 2.7	Seasonal Availability - Clearing	AD-2-UATZ - 3
UATZ AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UATZ - 3
UATZ AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UATZ - 3
UATZ AD 2.10	Aerodrome Obstacles	AD-2-UATZ - 3
UATZ AD 2.11	Meteorological Information Provided	AD-2-UATZ - 4
UATZ AD 2.12	Runway Physical Characteristics	AD-2-UATZ - 4
UATZ AD 2.13	Declared Distances	AD-2-UATZ - 5
UATZ AD 2.14	Approach And Runway Lighting	AD-2-UATZ - 5
UATZ AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UATZ - 5
UATZ AD 2.16	Helicopter Landing Area	AD-2-UATZ - 6
UATZ AD 2.17	ATS Airspace	AD-2-UATZ - 6
UATZ AD 2.18	ATS Communication Facilities	AD-2-UATZ - 7
UATZ AD 2.19	Radio Navigation And Landing Aids	AD-2-UATZ - 7
UATZ AD 2.20	Local Aerodrome Regulations	AD-2-UATZ - 7
UATZ AD 2.21	Noise Abatement Procedures	AD-2-UATZ - 9
UATZ AD 2.22	Flight procedures	AD-2-UATZ - 9
UATZ AD 2.23	Additional Information	AD-2-UATZ - 11
UATZ AD 2.24	Charts Related To An Aerodrome	AD-2-UATZ - 12
UATZ AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UATZ - 12
UAIT AD 2		AD-2-UAIT - 1
UAIT AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAIT - 1

UAIT - TURKISTAN

UAIT AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAIT - 1
UAIT AD 2.3	Operational Hours	AD-2-UAIT - 1
UAIT AD 2.4	Handling Services And Facilities	AD-2-UAIT - 2
UAIT AD 2.5	Passenger Facilities	AD-2-UAIT - 2
UAIT AD 2.6	Rescue And Fire Fighting Services	AD-2-UAIT - 2
UAIT AD 2.7	Seasonal Availability - Clearing	AD-2-UAIT - 3
UAIT AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAIT - 3
UAIT AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAIT - 3
UAIT AD 2.10	Aerodrome Obstacles	AD-2-UAIT - 4
UAIT AD 2.11	Meteorological Information Provided	AD-2-UAIT - 4
UAIT AD 2.12	Runway Physical Characteristics	AD-2-UAIT - 4
UAIT AD 2.13	Declared Distances	AD-2-UAIT - 5
UAIT AD 2.14	Approach And Runway Lighting	AD-2-UAIT - 5
UAIT AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAIT - 6
UAIT AD 2.16	Helicopter Landing Area	AD-2-UAIT - 6
UAIT AD 2.17	ATS Airspace	AD-2-UAIT - 6

UAIT AD 2.18	ATS Communication Facilities	AD-2-UAIT - 7
UAIT AD 2.19	Radio Navigation And Landing Aids	AD-2-UAIT - 7
UAIT AD 2.20	Local Traffic Regulations	AD-2-UAIT - 7
UAIT AD 2.21	Noise Abatement Procedures	AD-2-UAIT - 9
UAIT AD 2.22	Flight Procedures	AD-2-UAIT - 9
UAIT AD 2.23	Additional Information	AD-2-UAIT - 10
UAIT AD 2.24	Charts Related To An Aerodrome	AD-2-UAIT - 11
UAIT AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAIT - 11
UARR AD 2		AD-2-UARR - 1
UARR AD 2.1	Aerodrome Location Indicator And Name	AD-2-UARR - 1

UARR - URALSK

UARR AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UARR - 1
UARR AD 2.3	Operational Hours	AD-2-UARR - 1
UARR AD 2.4	Handling Services And Facilities	AD-2-UARR - 2
UARR AD 2.5	Passenger Facilities	AD-2-UARR - 2
UARR AD 2.6	Rescue And Fire Fighting Services	AD-2-UARR - 2
UARR AD 2.7	Seasonal Availability - Clearing	AD-2-UARR - 2
UARR AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UARR - 2
UARR AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UARR - 3
UARR AD 2.10	Aerodrome Obstacles	AD-2-UARR - 3
UARR AD 2.11	Meteorological Information Provided	AD-2-UARR - 4
UARR AD 2.12	Runway Physical Characteristics	AD-2-UARR - 4
UARR AD 2.13	Declared Distances	AD-2-UARR - 5
UARR AD 2.14	Approach And Runway Lighting	AD-2-UARR - 5
UARR AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UARR - 5
UARR AD 2.16	Helicopter Landing Area	AD-2-UARR - 6
UARR AD 2.17	ATS Airspace	AD-2-UARR - 6
UARR AD 2.18	ATS Communication Facilities	AD-2-UARR - 6
UARR AD 2.19	Radio Navigation And Landing Aids	AD-2-UARR - 7
UARR AD 2.20	Local Aerodrome Regulations	AD-2-UARR - 7
UARR AD 2.21	Noise Abatement Procedures	AD-2-UARR - 7
UARR AD 2.22	Flight procedures	AD-2-UARR - 8
UARR AD 2.23	Additional Information	AD-2-UARR - 9
UARR AD 2.24	Charts Related To An Aerodrome	AD-2-UARR - 10
UARR AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UARR - 10
UASU AD 2		AD-2-UASU - 1
UASU AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASU - 1

UASU - URDZHAR

UASU AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASU - 1
UASU AD 2.3	Operational Hours	AD-2-UASU - 1
UASU AD 2.4	Handling Services And Facilities	AD-2-UASU - 2
UASU AD 2.5	Passenger Facilities	AD-2-UASU - 2

UASU AD 2.6	Rescue And Fire Fighting Services	AD-2-UASU - 2
UASU AD 2.7	Seasonal Availability - Clearing	AD-2-UASU - 2
UASU AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASU - 3
UASU AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASU - 3
UASU AD 2.10	Aerodrome Obstacles	AD-2-UASU - 3
UASU AD 2.11	Meteorological Information Provided	AD-2-UASU - 3
UASU AD 2.12	Runway Physical Characteristics	AD-2-UASU - 4
UASU AD 2.13	Declared Distances	AD-2-UASU - 4
UASU AD 2.14	Approach And Runway Lighting	AD-2-UASU - 4
UASU AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASU - 4
UASU AD 2.16	Helicopter Landing Area	AD-2-UASU - 5
UASU AD 2.17	ATS Airspace	AD-2-UASU - 5
UASU AD 2.18	ATS Communication Facilities	AD-2-UASU - 5
UASU AD 2.19	Radio Navigation And Landing Aids	AD-2-UASU - 5
UASU AD 2.20	Local Aerodrome Regulations	AD-2-UASU - 5
UASU AD 2.21	Noise Abatement Procedures	AD-2-UASU - 5
UASU AD 2.22	Flight procedures.	AD-2-UASU - 6
UASU AD 2.23	Additional Information	AD-2-UASU - 7
UASU AD 2.24	Charts Related To An Aerodrome	AD-2-UASU - 7
UASU AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASU - 7
UAAL AD 2		AD-2-UAAL - 1
UAAL AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAAL - 1
UAAL - USHARAL		
UAAL AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAAL - 1
UAAL AD 2.3	Operational Hours	AD-2-UAAL - 1
UAAL AD 2.4	Handling Services And Facilities	AD-2-UAAL - 1
UAAL AD 2.5	Passenger Facilities	AD-2-UAAL - 2
UAAL AD 2.6	Rescue And Fire Fighting Services	AD-2-UAAL - 2
UAAL AD 2.7	Seasonal Availability - Clearing	AD-2-UAAL - 2
UAAL AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAAL - 2
UAAL AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAAL - 3
UAAL AD 2.10	Aerodrome Obstacles	AD-2-UAAL - 3
UAAL AD 2.11	Meteorological Information Provided	AD-2-UAAL - 3
UAAL AD 2.12	Runway Physical Characteristics	AD-2-UAAL - 4
UAAL AD 2.13	Declared Distances	AD-2-UAAL - 4
UAAL AD 2.14	Approach And Runway Lighting	AD-2-UAAL - 4
UAAL AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAAL - 5
UAAL AD 2.16	Helicopter Landing Area	AD-2-UAAL - 5
UAAL AD 2.17	ATS Airspace	AD-2-UAAL - 5
UAAL AD 2.18	ATS Communication Facilities	AD-2-UAAL - 5
UAAL AD 2.19	Radio Navigation And Landing Aids	AD-2-UAAL - 6
UAAL AD 2.20	Local Aerodrome Regulations	AD-2-UAAL - 6

UAAL AD 2.21	Noise Abatement Procedures	AD-2-UAAL - 6
UAAL AD 2.22	Flight Procedures	AD-2-UAAL - 6
UAAL AD 2.23	Additional Information	AD-2-UAAL - 7
UAAL AD 2.24	Charts Related To An Aerodrome	AD-2-UAAL - 7
UAAL AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAAL - 7
UASK AD 2		AD-2-UASK - 1
UASK AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASK - 1

UASK - UST-KAMENOGORSK

UASK AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASK - 1
UASK AD 2.3	Operational Hours	AD-2-UASK - 1
UASK AD 2.4	Handling Services And Facilities	AD-2-UASK - 2
UASK AD 2.5	Passenger Facilities	AD-2-UASK - 2
UASK AD 2.6	Rescue And Fire Fighting Services	AD-2-UASK - 2
UASK AD 2.7	Seasonal Availability - Clearing	AD-2-UASK - 2
UASK AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASK - 3
UASK AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASK - 3
UASK AD 2.10	Aerodrome Obstacles	AD-2-UASK - 3
UASK AD 2.11	Meteorological Information Provided	AD-2-UASK - 4
UASK AD 2.12	Runway Physical Characteristics	AD-2-UASK - 4
UASK AD 2.13	Declared Distances	AD-2-UASK - 5
UASK AD 2.14	Approach And Runway Lighting	AD-2-UASK - 5
UASK AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASK - 5
UASK AD 2.16	Helicopter Landing Area	AD-2-UASK - 5
UASK AD 2.17	ATS Airspace	AD-2-UASK - 6
UASK AD 2.18	ATS Communication Facilities	AD-2-UASK - 6
UASK AD 2.19	Radio Navigation And Landing Aids	AD-2-UASK - 7
UASK AD 2.20	Local Aerodrome Regulations	AD-2-UASK - 7
UASK AD 2.21	Noise Abatement Procedures	AD-2-UASK - 7
UASK AD 2.22	Flight procedures.	AD-2-UASK - 7
UASK AD 2.23	Additional Information	AD-2-UASK - 11
UASK AD 2.24	Charts Related To An Aerodrome	AD-2-UASK - 12
UASK AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASK - 13
UASZ AD 2		AD-2-UASZ - 1
UASZ AD 2.1	Aerodrome Location Indicator And Name	AD-2-UASZ - 1

UASZ - ZAIAN

UASZ AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UASZ - 1
UASZ AD 2.3	Operational Hours	AD-2-UASZ - 1
UASZ AD 2.4	Handling Services And Facilities	AD-2-UASZ - 2
UASZ AD 2.5	Passenger Facilities	AD-2-UASZ - 2
UASZ AD 2.6	Rescue And Fire Fighting Services	AD-2-UASZ - 2
UASZ AD 2.7	Seasonal Availability - Clearing	AD-2-UASZ - 2
UASZ AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UASZ - 3

UASZ AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UASZ - 3
UASZ AD 2.10	Aerodrome Obstacles	AD-2-UASZ - 3
UASZ AD 2.11	Meteorological Information Provided	AD-2-UASZ - 3
UASZ AD 2.12	Runway Physical Characteristics	AD-2-UASZ - 4
UASZ AD 2.13	Declared Distances	AD-2-UASZ - 4
UASZ AD 2.14	Approach And Runway Lighting	AD-2-UASZ - 4
UASZ AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UASZ - 4
UASZ AD 2.16	Helicopter Landing Area	AD-2-UASZ - 5
UASZ AD 2.17	ATS Airspace	AD-2-UASZ - 5
UASZ AD 2.18	ATS Communication Facilities	AD-2-UASZ - 5
UASZ AD 2.19	Radio Navigation And Landing Aids	AD-2-UASZ - 5
UASZ AD 2.20	Local Aerodrome Regulations	AD-2-UASZ - 5
UASZ AD 2.21	Noise Abatement Procedures	AD-2-UASZ - 5
UASZ AD 2.22	Flight Procedures	AD-2-UASZ - 6
UASZ AD 2.23	Additional Information	AD-2-UASZ - 7
UASZ AD 2.24	Charts Related To An Aerodrome	AD-2-UASZ - 7
UASZ AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UASZ - 7
UAKD AD 2		AD-2-UAKD - 1
UAKD AD 2.1	Aerodrome Location Indicator And Name	AD-2-UAKD - 1

UAKD - ZHEZKAZGAN

UAKD AD 2.2	Aerodrome Geographical And Administrative Data	AD-2-UAKD - 1
UAKD AD 2.3	Operational Hours	AD-2-UAKD - 1
UAKD AD 2.4	Handling Services And Facilities	AD-2-UAKD - 2
UAKD AD 2.5	Passenger Facilities	AD-2-UAKD - 2
UAKD AD 2.6	Rescue And Fire Fighting Services	AD-2-UAKD - 2
UAKD AD 2.7	Seasonal Availability - Clearing	AD-2-UAKD - 2
UAKD AD 2.8	Aprons, Taxiways And Check Locations/Positions Data	AD-2-UAKD - 3
UAKD AD 2.9	Surface Movement Guidance And Control System And Markings	AD-2-UAKD - 3
UAKD AD 2.10	Aerodrome Obstacles	AD-2-UAKD - 3
UAKD AD 2.11	Meteorological Information Provided	AD-2-UAKD - 3
UAKD AD 2.12	Runway Physical Characteristics	AD-2-UAKD - 4
UAKD AD 2.13	Declared Distances	AD-2-UAKD - 5
UAKD AD 2.14	Approach And Runway Lighting	AD-2-UAKD - 5
UAKD AD 2.15	Other Lighting, Secondary Power Supply	AD-2-UAKD - 5
UAKD AD 2.16	Helicopter Landing Area	AD-2-UAKD - 5
UAKD AD 2.17	ATS Airspace	AD-2-UAKD - 6
UAKD AD 2.18	ATS Communication Facilities	AD-2-UAKD - 6
UAKD AD 2.19	Radio Navigation And Landing Aids	AD-2-UAKD - 7
UAKD AD 2.20	Local Aerodrome Regulations	AD-2-UAKD - 7
UAKD AD 2.21	Noise Abatement Procedures	AD-2-UAKD - 8
UAKD AD 2.22	Flight procedures	AD-2-UAKD - 8
UAKD AD 2.23	Additional Information	AD-2-UAKD - 10

UAKD AD 2.24	Charts Related To An Aerodrome	AD-2-UAKD - 11
UAKD AD 2.25	Visual segment surface (VSS) penetrations	AD-2-UAKD - 11

AD 3 HELIPORTS

UATK AD 3		AD-3-UATK - 1
UATK AD 3.1	Heliport Location Indicator And Name	AD-3-UATK - 1
UATK AD 3.2	Heliport Geographical And Administrative Data	AD-3-UATK - 1
UATK AD 3.3	Operational Hours	AD-3-UATK - 1
UATK AD 3.4	Handling services and facilities	AD-3-UATK - 2
UATK AD 3.5	Passenger Facilities	AD-3-UATK - 2
UATK AD 3.6	Rescue And Fire Fighting Services	AD-3-UATK - 2
UATK AD 3.7	Seasonal Availability - Clearing	AD-3-UATK - 2
UATK AD 3.8	Aprons, Taxiways And Check Locations/Positions Data	AD-3-UATK - 2
UATK AD 3.9	Markings And Markers	AD-3-UATK - 3
UATK AD 3.10	Heliport obstacles	AD-3-UATK - 3
UATK AD 3.11	Meteorological Information Provided	AD-3-UATK - 3
UATK AD 3.12	Heliport Data	AD-3-UATK - 4
UATK AD 3.13	Declared Distances	AD-3-UATK - 4
UATK AD 3.14	Approach And FATO Lighting	AD-3-UATK - 4
UATK AD 3.15	Other Lighting, Secondary Power Supply	AD-3-UATK - 5
UATK AD 3.16	Air Traffic Services Airspace	AD-3-UATK - 5
UATK AD 3.17	ATS Communication Facilities	AD-3-UATK - 6
UATK AD 3.18	Radio Navigation And Landing Aids	AD-3-UATK - 6
UATK AD 3.19	Local Heliport Regulations	AD-3-UATK - 6
UATK AD 3.20	Noise Abatement Procedures	AD-3-UATK - 7
UATK AD 3.21	Flight procedures	AD-3-UATK - 7
UATK AD 3.22	Additional Information	AD-3-UATK - 9
UATK AD 3.23	Charts Related To A Heliport	AD-3-UATK - 9

AD 1.3 INDEX TO AERODROMES AND HELIPORTS

Aerodrome/heliport name Location indicator	Type of traffic permitted to use the aerodrome/heliport			Reference to AD Section and remarks
	International- National (INTL- NTL)	IFR-VFR	S = Scheduled NS = Non-scheduled P = Private	
1	2	3	4	5
AKTAU UATE	INTL-NTL	IFR-VFR	S-NS	AD 2 UATE
AKTOBE UATT	INTL-NTL	IFR-VFR	S-NS	AD 2 UATT
ALMATY UAAA	INTL-NTL	IFR-VFR	S-NS	AD 2 UAAA
ARKALYK UAUR	NTL	IFR-VFR	S-NS	AD 2 UATB
ASTANA UACC	INTL-NTL	IFR-VFR	S-NS	AD 2 UACC
ATYRAU UATG	INTL-NTL	IFR-VFR	S-NS	AD 2 UATG
BALKHASH UAAH	NTL	IFR-VFR	S-NS	AD 2 UAAH
BOZHBAN UAIK	INTL-NTL	IFR-VFR	P	AD 2 UAIK
KARAGANDA UAKK	INTL-NTL	IFR-VFR	S-NS	AD 2 UAKK
KATON-KARAGAY UASW	NTL	IFR-VFR	S-NS	AD 2 UATB
KENDERLI UATB	NTL	IFR-VFR	S-NS	AD 2 UATB
KOKSHETAU UACK	INTL-NTL	IFR-VFR	S-NS	AD 2 UACK
KOSTANAY UAUU	INTL-NTL	IFR-VFR	S-NS	AD 2 UAUU
KYZYLORDA UAOO	INTL-NTL	IFR-VFR	S-NS	AD 2 UAEO
PAVLODAR UASP	INTL-NTL	IFR-VFR	S-NS	AD 2 UASP
PETROPAVLOVSK UACP	INTL-NTL	IFR-VFR	S-NS	AD 2 UACP
SATPAY UASI	NTL	IFR-VFR	S-NS	AD 2 UASI
SEMEY UASS	INTL-NTL	IFR-VFR	S-NS	AD 2 UASS

Aerodrome/heliport name Location indicator	Type of traffic permitted to use the aerodrome/heliport			Reference to AD Section and remarks
	International- National (INTL- NTL)	IFR-VFR	S = Scheduled NS = Non-scheduled P = Private	
1	2	3	4	5
SHYMKENT UAIL	INTL-NTL	IFR-VFR	S-NS	AD 2 UAIL
TALDYKORGAN UAAT	NTL	IFR-VFR	S-NS	AD 2 UAAT
TARAZ UADD	INTL-NTL	IFR-VFR	S-NS	AD 2 UADD
TENGIZ UATZ	NTL	IFR-VFR	P	AD 2 UATZ
TURKISTAN UAIT	INTL-NTL	IFR-VFR	S-NS	AD 2 UAIT
URALSK UARR	INTL-NTL	IFR-VFR	S-NS	AD 2 UARR
URDZHAR UASU	NTL	IFR-VFR	S-NS	AD 2 UASU
USHARAL UAAL	NTL	IFR-VFR	S-NS	AD 2 UAAL
UST- KAMENOGORSK UASK	INTL-NTL	IFR-VFR	S-NS	AD 2 UASK
ZAISAN UASZ	NTL	IFR-VFR	S-NS	AD 2 UASZ
ZHEZKAZGAN UAKD	INTL-NTL	IFR-VFR	S-NS	AD 2 UAKD

AD 1.5 STATUS OF CERTIFICATION OF AERODROMES

1 The table below shows the aerodromes certificates and their validity periods.

2 Accepted exceptions, exemptions and restrictions for each aerodrome have been published in AIP AD
2.23.

Aerodrome name Location indicator	Certification date	Certificate validity	Remarks
1	2	3	4
AKTAU UATE	21.08.2026	20.08.2031	Nil
AKTOBE UATT	23.09.2025	17.09.2027	Nil
ALMATY UAAA	25.06.2025	28.10.2027	Nil
ARKALYK UAUR	21.08.2026	25.06.2027	Nil
ASTANA UACC	22.12.2024	10.09.2027	Nil
ATYRAU UATG	10.10.2025	09.10.2028	Nil
BALKHASH UAAH	28.04.2026	30.04.2027	Nil
BOZHBAN UAIK	06.02.2026	30.09.2026	Nil
KARAGANDA UAKK	24.09.2025	24.09.2027	Nil
KOKSHETAU UACK	22.07.2026	30.07.2027	Nil
KOSTANAY UAUU	24.10.2024	23.10.2026	Nil
KYZYLORDA UAOO	11.10.2024	09.10.2026	Nil
PAVLODAR UASP	21.08.2026	27.08.2027	Nil
PETROPAVLOVSK UACP	13.11.2025	12.11.2027	Nil
SEMEY UASS	22.10.2025	17.11.2028	Nil
SHYMKENT UAIL	22.04.2026	27.04.2029	Nil
TALDYKORGAN UAAT	15.07.2026	23.04.2027	Nil

Aerodrome name Location indicator	Certification date	Certificate validity	Remarks
1	2	3	4
TARAZ UADD	21.08.2025	22.10.2027	Nil
TENGIZ UATZ	17.07.2025	27.10.2028	Nil
TURKISTAN UAIT	02.06.2025	01.10.2027	Nil
URALSK UARR	29.10.2025	31.10.2028	Nil
URDZHAR UASU	03.06.2026	09.06.2028	Nil
USHARAL UAAL	01.07.2026	03.07.2027	Nil
UST-KAMENOGORSK UASK	11.02.2025	20.08.2027	Nil
ZAISAN UASZ	05.06.2025	04.09.2026	Nil
ZHEZKAZGAN UAKD	15.06.2026	31.10.2029	Nil

For the most up-to-date information on aerodrome certification status, including temporary extensions or changes, refer to applicable NOTAMs.

UAAA AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	10 plow-brush equipment with turbo pipes, 3 rotors, 3 wind machines, 5 spraders (reagent sprayers), 5 pushers for cleaning the snow shafts, 1 sidewalk cleaning machine per runway, 2 graders, 2 bulldozers, 1 snow rolling machine, Other modern snow removal equipment. The anti-icing granular reagent "NKMM" and the anti-icing liquid reagent NORDWEIF of the NORM brand are used to remove ice from airfield coatings.
2	Clearance priorities	1. RWY 2. TWY 3. Stands
3	Remarks	(Seasonal availability: All seasons, caution advised in winter during snow conditions) At surface condition code 3 and below: RWY 05R/23L closed

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

1	Apron surface and strength	APRON	STANDS	SURFACE	STRENGTH
		1	101 - 104	CONC+ASPH	PCN 55/F/C/X/T
		2	201,202,203	CONC	PCN 56/R/B/W/T
			204/204L/204R 205/205L/205R		PCN 71/R/B/W/T
		3	29-31, 31A	CONC+ASPH	PCN 20/R/B/X/T
			32A, 32-36		PCN 21/R/B/X/T
			26-28		PCN 30/R/B/X/T
		4	401, 402A, 406	CONC+ASPH	PCN 131/R/C/W/T
		5	47-50	CONC+ASPH	PCN 63/F/C/X/T
			51-56		PCN 50/F/C/X/T
			59,60, 59A, 60A		PCN 55/R/B/W/U
			105A/B,106,106A/ B		PCN 70/R/B/X/T
		6	601, 602	CONC	PCN 75/R/A/X/T
			601 A/B, 602 A/B	CONC+ASPH	PCN 92/F/C/X/T
			603, 604, 605		PCN 69/F/C/X/T
			603A/B - 605 A/B		PCN 69/F/C/X/T
			606, 607, 607A/B		PCN 56/R/A/X/T

2	Taxiway width, surface and strengthД	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	22.5 M	CONC+ASPH	PCN 63/R/B/W/T
		B	23 M	CONC+ASPH	PCN 66/F/C/X/U
		C	22.5 M	CONC+ASPH	PCN 55/R/B/X/U
		D	37 M	CONC+ASPH	PCN 68/F/C/X/T
		E	24 M	CONC+ASPH	PCN 68/F/C/X/T
		F	23 M	CONC+ASPH	PCN 62/F/C/X/T
		H	45 M	CONC+ASPH	PCN 66/F/C/X/U
		K	25 M	CONC+ASPH	PCN 55/R/B/X/U
		L	25 M	CONC+ASPH	PCN 79/F/C/X/T
3	Altimeter checkpoint location and elevation	THR RWY 23R - 677,3 m/2222,1ft THR RWY 23L - 681,6 m/2236,2 ft			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

UAAA 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 RWY, guidance sign designating taxiways and apron Cat IIIB - RWY 23L. Parking Management System: via TWY A; TXL A1, A2 to parking spaces 102, 103 via TWY A; TXL A1, A2, A3 to parking spaces 201–205; 204L/204R, 205L/205R via TWY C; TWY K; TXL K1 to parking space 104 via TWY C; TWY K; TXL K1, TXL A3 to parking spaces 201–205; 204L/204R, 205L/205R The remaining parking spaces do not have parking maneuvering lights or stop lights.
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, stands
3	Stop bars	TWY: A, B, C, D, K, L, F, E, H. RED
4	Other runway protection measures	Nil
5	Remarks	RWY23L: centerline lights on exit from RWY to TWY A and lights on rapid exit from RWY to TWY C. Yellow / Green. RWY23R: centerline lights on exit from RWY to TWY K and TWY L and lights on rapid exit from RWY to TWY D. Yellow / Green. TWY A: Holding lights in front of ILS RWY05L zone. Yellow.

UAAA AD 2.10 Aerodrome Obstacles

NIL

UAAA AD 2.11 Meteorological Information Provided

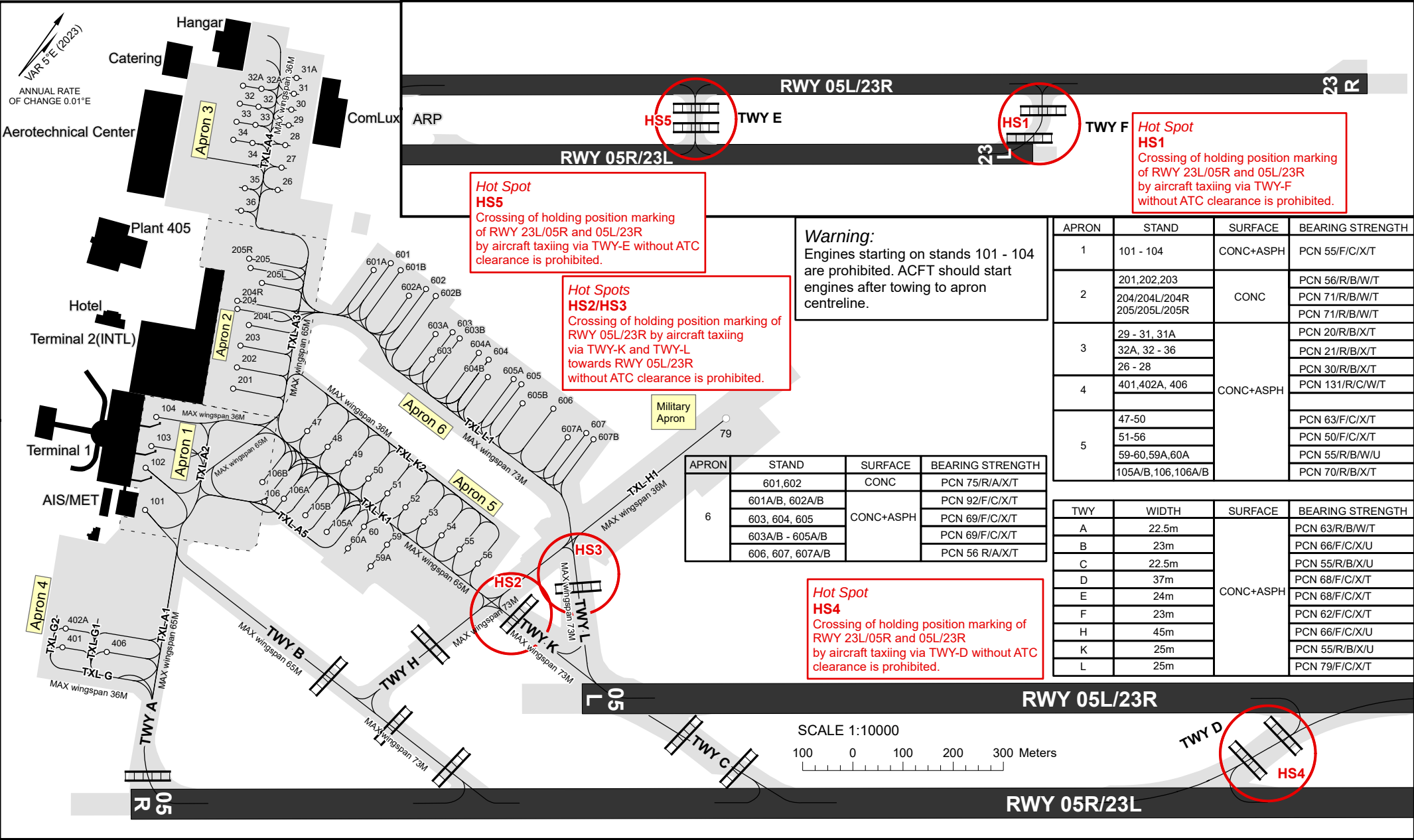
1	Associated MET Office	Meteorological service Almaty Phone: +7 (727) 2573280 Phone: +7 (727) 2573803
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AERODROME GROUND MOVEMENT
AND PARKING CHART - ICAO

APRON 1 ELEV 2218FT
APRON 2 ELEV 2205FT
APRON 3 ELEV 2208FT
APRON 4 ELEV 2221FT
APRON 5 ELEV 2215FT
APRON 6 ELEV 2205FT

TWR	119.4
GROUND	121.7
DELIVERY	120.8

ALMATY



ALMATY

STANDS CHARACTERISTICS

Apron	Stand	Coordinates	
		Latitude	Longitude
3	26	43 21 06.63 N	077 00 43.10 E
3	27	43 21 07.96 N	077 00 42.27 E
3	28	43 21 09.30 N	077 00 41.43 E
3	29	43 21 10.48 N	077 00 40.69 E
3	30	43 21 11.42 N	077 00 40.10 E
3	31	43 21 12.36 N	077 00 39.51 E
3	31A	43 21 13.30 N	077 00 38.92 E
3	32	43 21 10.38 N	077 00 37.56 E
3	32	43 21 09.87 N	077 00 36.04 E
3	32A	43 21 10.95 N	077 00 35.38 E
3	32A	43 21 11.45 N	077 00 36.89 E
3	33	43 21 08.78 N	077 00 36.70 E
3	33	43 21 09.30 N	077 00 38.24 E
3	34	43 21 07.70 N	077 00 37.36 E
3	34	43 21 08.22 N	077 00 38.92 E
3	35	43 21 05.53 N	077 00 40.61 E
3	36	43 21 04.19 N	077 00 41.45 E
5	47	43 20 54.80 N	077 00 57.23 E
5	48	43 20 54.69 N	077 00 59.51 E
5	49	43 20 54.58 N	077 01 01.79 E
5	50	43 20 54.47 N	077 01 04.07 E
5	51	43 20 54.37 N	077 01 06.20 E
5	52	43 20 54.28 N	077 01 08.21 E
5	53	43 20 54.18 N	077 01 10.24 E
5	54	43 20 54.09 N	077 01 12.26 E
5	55	43 20 53.99 N	077 01 14.27 E
5	56	43 20 53.89 N	077 01 16.30 E
5	59	43 20 51.61 N	077 01 08.72 E
5	59A	43 20 49.87 N	077 01 08.60 E
5	60	43 20 51.74 N	077 01 06.14 E
5	60A	43 20 50.00 N	077 01 06.04 E

Apron	Stand	Coordinates	
		Latitude	Longitude
1	101	43 20 44.71 N	077 00 49.27 E
1	102	43 20 46.98 N	077 00 47.22 E
1	103	43 20 48.35 N	077 00 46.56 E
1	104	43 20 50.08 N	077 00 45.48 E
5	105A	43 20 50.11 N	077 01 03.67 E
5	105B	43 20 50.23 N	077 01 01.28 E
5	106	43 20 49.47 N	077 00 57.60 E
5	106A	43 20 50.34 N	077 00 58.88 E
5	106B	43 20 50.44 N	077 00 56.48 E
2	201	43 20 54.38 N	077 00 49.70 E
2	202	43 20 55.66 N	077 00 48.92 E
2	203	43 20 56.95 N	077 00 48.10 E
2	204L	43 20 58.36 N	077 00 47.69 E
2	204	43 20 58.80 N	077 00 46.06 E
2	204R	43 20 59.23 N	077 00 45.64 E
2	205L	43 21 01.08 N	077 00 46.56 E
2	205	43 21 01.47 N	077 00 44.98 E
2	205R	43 21 01.92 N	077 00 44.42 E
4	401	43 20 34.37 N	077 00 50.04 E
4	402A	43 20 35.49 N	077 00 49.34 E
4	406	43 20 35.72 N	077 00 53.52 E
6	601	43 21 06.80 N	077 00 55.02 E
6	601A	43 21 05.82 N	077 00 54.10 E
6	601B	43 21 06.79 N	077 00 56.09 E
6	602	43 21 06.70 N	077 00 58.88 E
6	602A	43 21 05.72 N	077 00 57.96 E
6	602B	43 21 06.68 N	077 00 59.95 E
6	603A	43 21 04.64 N	077 01 01.82 E
6	603B	43 21 05.28 N	077 01 03.80 E
6	603	43 21 03.15 N	077 01 02.82 E
6	603	43 21 05.35 N	077 01 02.97 E
6	604A	43 21 05.20 N	077 01 05.92 E
6	604B	43 21 04.23 N	077 01 07.78 E
6	604	43 21 05.19 N	077 01 06.98 E
6	605A	43 21 05.06 N	077 01 09.77 E
6	605B	43 21 04.08 N	077 01 11.64 E
6	605	43 21 05.06 N	077 01 10.60 E
6	606	43 21 04.91 N	077 01 14.16 E
6	607A	43 21 03.90 N	077 01 16.63 E
6	607B	43 21 04.73 N	077 01 18.62 E
6	607	43 21 04.80 N	077 01 17.78 E

UAUR AD 2

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

UAUR AD 2.1 Aerodrome Location Indicator And Name

UAUR - ARKALYK

UAUR AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	501907N 0665709E At the centre of RWY
2	Direction and distance from (city)	150°, 8.9 NM from Arkalyk
3	Elevation/Reference temperature	1273 FT/26° C
4	Geoid undulation at AD ELEV PSN	-38 FT
5	MAG VAR/Annual Change	10° E (2024) / 0.05°
6	AD Administration, address, telephone, telefax, telex, e-mail address, AFS, website address	Post: Airport Administration Republic of Kazakhstan, 110300 Kostanay Region, Arkalyk City Abai Street, 29 Phone: +7 (7142) 576223 Phone: +7 (7142) 576200 Fax: +7 (7142) 576018 AFS: UAURAPDU Email: info@ksnaipor.kz Email: as-kst@mail.ru Email: jasikej@mail.ru
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UAUR AD 2.3 Operational Hours

1	AD Operator	ANY 03:00 - 15:00 UTC
2	Customs and immigration	Nil
3	Health and sanitation	ANY 03:00 - 15:00
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	Nil
6	MET Briefing Office	ANY 03:00 - 15:00 UTC
7	ATS	ANY 03:00 - 15:00 UTC
8	Fuelling	Nil
9	Handling	ANY 03:00 - 15:00
10	Security	H24
11	De-icing	ANY 03:00 - 15:00
12	Remarks	Nil

UAUR AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	AVBL
2	Fuel/oil types	Nil
3	Fuelling facilities/capacity	Nil
4	De-icing facilities	AVBL
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Ground support equipment (GSE) is available

UAUR AD 2.5 Passenger Facilities

1	Hotels	In the city Arkalyk
2	Restaurants	In the city Arkalyk
3	Transportation	Buses, taxis
4	Medical facilities	Aid post at Airport Terminal, ambulance service, hospitals in Arkalyk
5	Bank and Post Office	In the city Arkalyk, ATB in the airport
6	Tourist Office	In the city Arkalyk
7	Remarks	Nil

UAUR AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A5
2	Rescue equipment	Available. Rescue and fire fighting equipment is located at the fire and rescue station and on the fire and rescue vehicles. The equipment inventory complies with the aerodrome category for the level of fire protection.
3	Capability for removal of disabled aircraft	TBD
4	Remarks	Nil

UAUR AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	Winter maintenance equipment is available throughout the winter season: plough-brush machines, screw-rotor (auger) snow blowers, tractors fitted with plough-brush attachments, a front-end loader, and a towed granular de-icing chemical spreader.
2	Clearance priorities	Clearance priorities: 1. RWY 2. TWY 3. Stands 4. Apron 2, 2A,1 Granular de-icing material is used to remove ice from airfield pavements. See the circular "Seasonal Snow Response Plan for the Winter Season."

3	Remarks	Granulated de-icing/anti-icing chemical is used to remove ice from aerodrome pavements. See circular "SEASONAL SNOW REMOVAL PLAN FOR THE WINTER SEASON".
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UAUR AD 2.8 Aprons, Taxiways And Check Locations/Positions Data

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1-2		CONC+ASPH	PCN 25/F/C/W/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	16	CONC+ASPH	PCN 25/F/C/W/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

UAUR 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	Aircraft stand markings are provided on the apron.
2	RWY and TWY markings and LGT	Runway markings: RWY designation markings, RWY centre line, threshold, aiming point, touchdown zone, runway edges, turn pad markings. Taxiway markings: TWY centre line, TWY edges, runway-holding position markings. Runway lights: see AD 2.14. Taxiway lights: see AD 2.15.
3	Stop bars	Nil
4	Other runway protection measures	Nil
5	Remarks	Nil

UAUR AD 2.10 Aerodrome Obstacles

NIL

UAUR AD 2.11 Meteorological Information Provided

1	Associated MET Office	Meteorological service at Arkalyk aerodrome.
2	Hours of service MET Office outside hour	H24
3	Office responsible for TAF preparation: Periods of validity	Meteorological service at Arkalyk aerodrome, 09 HR (0009, 0312, 0615, 0918, 1221, 1524, 1803, 2106)
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	Surface analysis; AT850, AT700, AT500, AT400, AT300, AT250, AT200; prognostic charts of wind and temperature at flight levels (FL); maximum wind; tropopause; prognostic charts P850, P700, P500, P400, P300, P250, P200; SWH, SWM WAFC, SWL Kazakhstan.

8	Supplementary equipment AVBL for providing information	Nil
9	ATS units provided with information	Briefing, TWR
10	Additional information	Nil

UAUR 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
08	090.80	2493 X 45	PCN 25/F/C/ W/T CONC+ASPH	501907.92N 0665605.39E -38.0 FT	THR 1272 FT	- 0.05%
26	270.80	2493 X 45	PCN 25/F/C/ W/T CONC+ASPH	501906.84N 0665811.77E -38.0 FT	THR 1269 FT	0.05%

SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimension s (M)	Location and description of arresting system	OFZ	Remarks
8	9	10	11	12	13	14
Nil	300 X 150	2793 X 300	90 X 150	Nil	AVBL	Turn pad length – 116.65 m; total width of the runway turn pad – 77.7 m. See AIP section AD 2.24.1..
Nil	300 X 150	2793 X 300	90 X 150	Nil	AVBL	Turn pad length – 116.65 m; total width of the runway turn pad – 77.7 m. See AIP section AD 2.24.1.

UAUR AD 2.13 Declared Distances

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	2493	2793	2493	2493	Nil
26	2493	2793	2493	2493	Nil

UAUR AD 2.14 Approach And Runway Lighting

RWY Designator	APCH LGT type, LEN, INTST	THR LGT colour , WBA R	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
08	(SALS) 420 M LIL	GRN Nil	PAPI LEFT/3°	Nil	Nil	2493m, spacing 60m, 0-1893m white, last 600m yellow LIL	RED Nil	Nil	Nil
26	(SALS) 420 M LIL	GRN Nil	PAPI RIGHT/3°	Nil	Nil	2493m, spacing 60m, 0-1893m white, last 600m yellow LIL	RED Nil	Nil	Nil

UAUR 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 A EDGE: BLU
4	Secondary power supply/switch-over time	AVBL, 1 sec
5	Remarks	Nil

UAUR AD 2.16 Helicopter Landing Area

Helicopter take-off and landing conducted in helicopter mode are performed from/on the runway (at the intersection area of the taxiway and the runway).

UAUR AD 2.17 ATS Airspace

1	Designation and lateral limits	ARKALYK CTR Circle with a radius of 16 NM centred on point 501907N 0665708E.
2	Vertical limits	6000FT ALT/GND
3	Airspace classification	C
4	ATS unit call sign Language(s)	ARKALYK TOWER EN ARKALYK VYSHKA RU
5	Transition altitude	10000 FT
6	Hours of applicability	See NOTAM
7	Remarks	Nil

UAUR 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	ARKALYK TOWER (EN) ARKALYK VYSHKA (RU)	134,3 MHz	Nil	Nil	See NOTAM	Nil

UAUR 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 (10°E/2024)	ARK	113 MHz CH 77X	H24	501904N 0670118E	1300 FT	Nil	Nil

UAUR AD 2.20 Local Aerodrome Regulations

NIL

UAUR AD 2.21 Noise Abatement Procedures

NIL

UAUR AD 2.22 Flight procedures.

1. Low Visibility Procedures.

Arkalyk aerodrome is not operated under low-visibility conditions.

UAUR AD 2.23 Additional Information

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

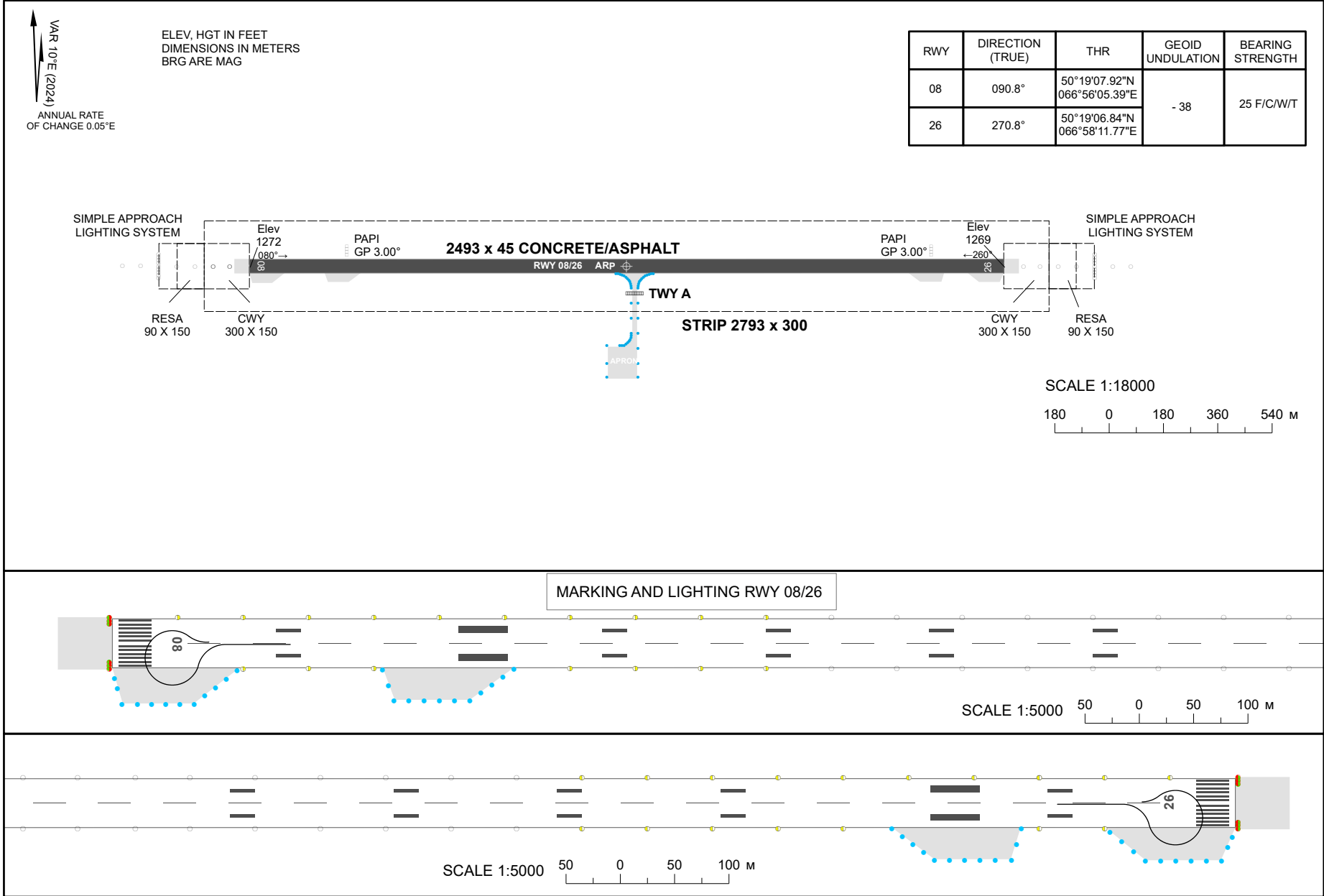
Regulatory reference	Requirement of regulations	Description of exceptions, exemptions and restrictions	Measures taken and validity period
Point 467. Standards of Aerodromes (Heliports) Operation Civil Aviation Republic Kazakhstan	Provision of an observation post for monitoring aircraft take-offs and landings on all runways	A permanent observation post is not available.	ELOS No. 01-2026 has been approved for the period from 15 July 2026 to 31 December 2026. A mobile fire post with an aerodrome fire-fighting vehicle is used as the observation post to provide visual monitoring of the runway. Applicable until the permanent observation post is commissioned.
Point 461. Point 468. Standards of Aerodromes (Heliports) Operation Civil Aviation Republic Kazakhstan	Provision of emergency alerting means for rescue and fire-fighting crews	Permanent emergency alerting means are not available due to the incomplete construction of the rescue and fire-fighting station and the aerodrome control centre building.	ELOS No. 01-2026 has been approved for the period from 15 July 2026 to 31 December 2026. Alerting is provided in accordance with a temporary procedure using vehicle-mounted and portable radio stations.

UAUR AD 2.24 Charts Related To An Aerodrome

Name	Page
Aerodrome Chart ICAO	UAUR AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart ICAO	UAUR AD 2.24.3-1
Area Chart - ICAO	UAUR AD 2.24.6-1
Standard Departure Chart Instrument (SID) - RWY 08 ICAO	UAUR AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) - RWY 26 ICAO	UAUR AD 2.24.7-2-1
Standard Departure Chart Instrument (SID) - RWY 08 ICAO	UAUR AD 2.24.7-3-1
Standard Departure Chart Instrument (SID) - RWY 26 ICAO	UAUR AD 2.24.7-4-1
Standard Arrival Chart Instrument (STAR) - RWY 08 ICAO	UAUR AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) - RWY 26 ICAO	UAUR AD 2.24.9-2-1
Standard Arrival Chart Instrument (STAR) - RWY 08 ICAO	UAUR AD 2.24.9-3-1
Standard Arrival Chart Instrument (STAR) - RWY 26 ICAO	UAUR AD 2.24.9-4-1
Standard Arrival Chart Instrument (STAR) - RWY 08 ICAO	UAUR AD 2.24.9-5-1
Standard Arrival Chart Instrument (STAR) - RWY 26 ICAO	UAUR AD 2.24.9-6-1
Instrument Approach Chart – VOR/DME - Z RWY 08 ICAO	UAUR AD 2.24.11-1-1
Instrument Approach Chart – VOR/DME - Z RWY 26 ICAO	UAUR AD 2.24.11-2-1
Instrument Approach Chart - RNP RWY 08 ICAO	UAUR AD 2.24.11-5-1
Instrument Approach Chart - RNP RWY 26 ICAO	UAUR AD 2.24.11-6-1
Instrument Approach Chart – VOR/DME RWY 08 ICAO	UAUR AD 2.24.11-7-1
Instrument Approach Chart – VOR/DME RWY 26 ICAO	UAUR AD 2.24.11-8-1
Visual Approach chart – ICAO	UAUR AD 2.24.12-1

UAUR AD 2.25 Visual segment surface (VSS) penetrations

No penetrations



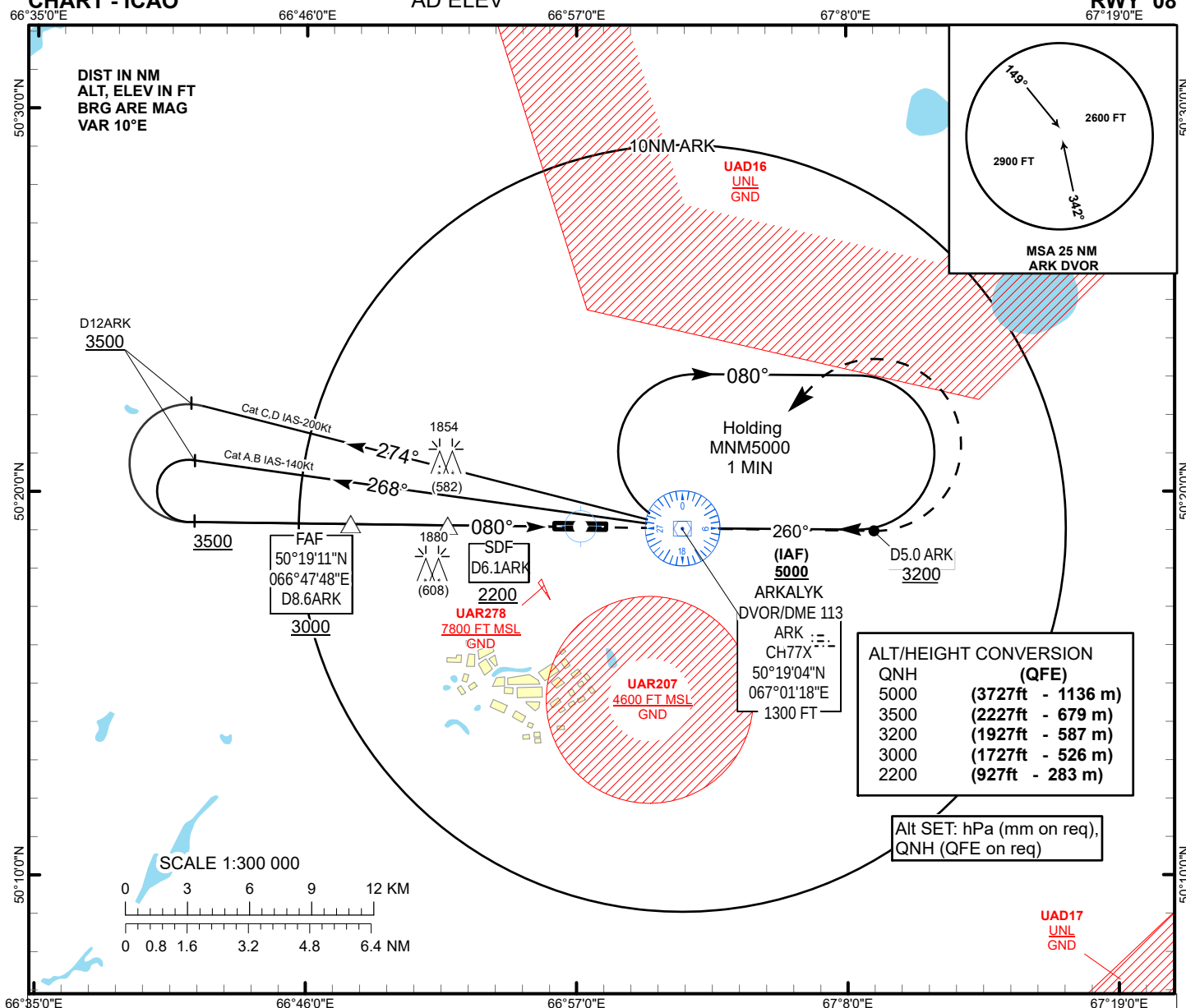
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INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 1273 FT
HEIGHTS RELATED TO
AD ELEV

TOWER 134.3

ARKALYK
VOR/DME Z
RWY 08



TRANSITION ALT 10000FT

MISSED APPROACH:

Climb on track 080° to 3200 or above
outbound to 5.0 ARK.
Turn LEFT to ARK.
Climb initially to 5000, then as directed.
RADIO FAILURE: In the case
of RCF climb to 5000 to ARK and
join to holding pattern.
Missed approach turn speed limited
to 200 Kt IAS maximum.

ELEV 1272
THR RWY 08

D12ARK
3500

FAF
D8.6ARK
3000

PDG 5.2% (3.0°)
080°

SDF
D6.1ARK
2200

MAPt
D3.3ARK

IAF
5000

DVOR/DME
ARK

CHANGE: MAPt distance.

Aircraft Category		A	B	C	D
Straight-in Approach OCA/H	VOR/DME SDF	1610(330)			
	VOR/DME WO SDF	2130(850)			

DIST THR	5.3	5	4	3	2	1
DME ARK	8.6	8.3	7.3	6.3	5.3	4.3
ALTITUDE	3000	2915	2595	2275	1955	1641
HEIGHT	(1727)	(1642)	(1322)	(1002)	(682)	(368)

GS	Kt	80	100	120	140	160	180
Rate of descent (5.2%)	ft/min	420	530	640	740	850	950
FAF-MAPT (5.3 NM)	min:sec	3:58	3:11	2:39	2:16	1:59	1:46

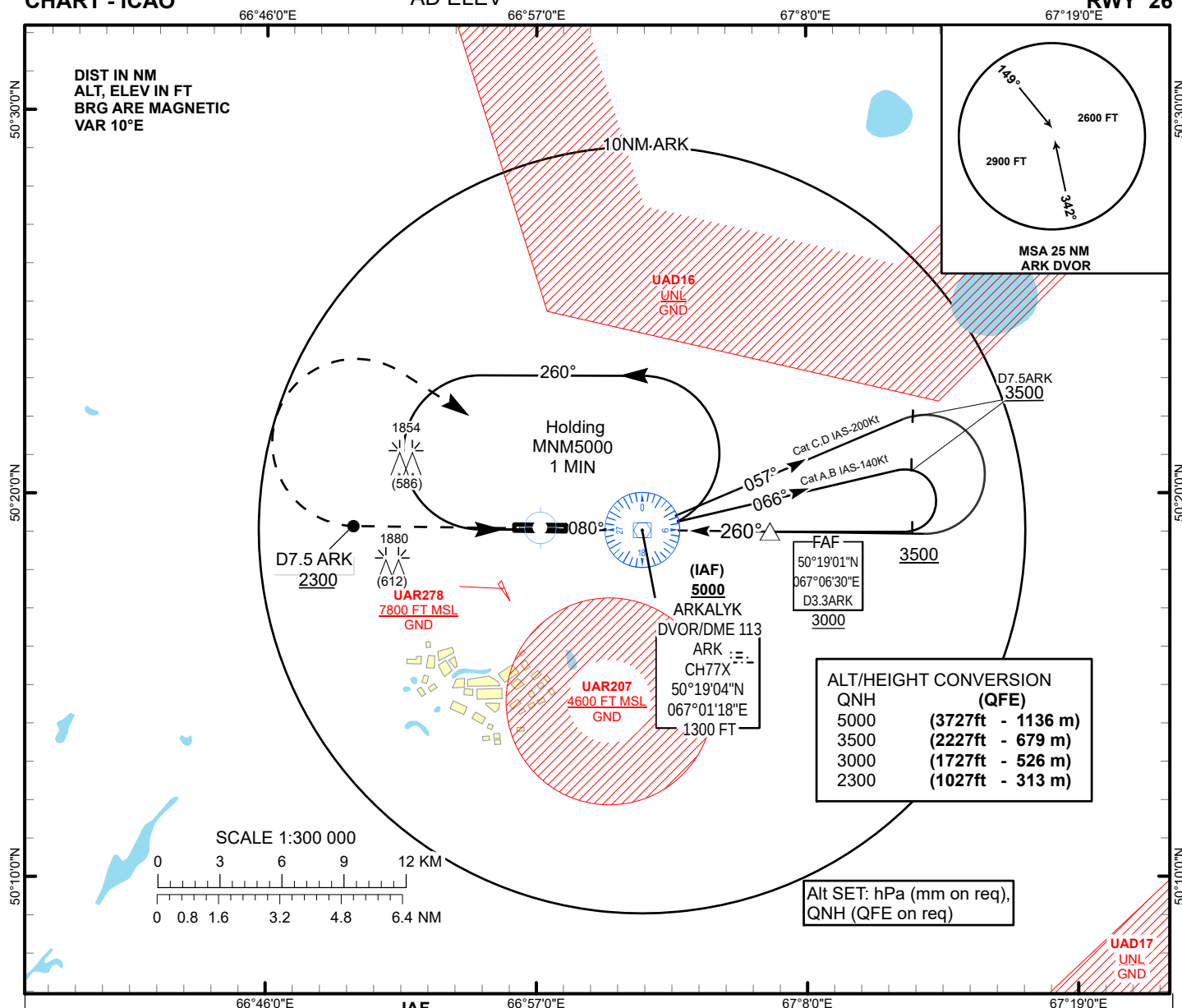
VOR/DME Z

AERONAUTICAL DATA TABULATION

1

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 1273 FT
HEIGHTS RELATED TO
AD ELEV

TOWER 134.3

ARKALYK
VOR/DME Z
RWY 26

MISSED APPROACH:

Climb on track 260° to 2300 or above
outbound to 7.5 ARK.
Turn RIGHT to ARK.
Climb initially to 5000, then as directed.
RADIO FAILURE: In the case
of RCF climb to 5000 to ARK and
join to holding pattern.
Missed approach turn speed limited
to 200 Kt IAS maximum.

IAF
5000

TRANSITION ALT 10000 FT

D7.5ARK
3500FAF
D3.3 ARK
3000DVOR/DME
ARK

PDG 5.2% (3.0°)

260°

MAPt
D2.0ARK

ELEV 1268 FT
THR RWY 26

CHANGE: MAPt distance.

Aircraft Category		A	B	C	D
Straight-in Approach OCA/H	VOR/DME	1580(300)			

DIST THR	5.3	5	4	3	2	1
DME ARK	3.3	3	2	1	0	1
ALTITUDE	3000	2915	2595	2275	1955	1641
HEIGHT	(1727)	(1642)	(1322)	(1002)	(682)	(368)

GS	Kt	80	100	120	140	160	180
Rate of descent (5.2%)	ft/min	420	530	640	740	850	950
FAF-MAPT (5.3 NM)	min:sec	3:58	3:11	2:39	2:16	1:59	1:46

VOR/DME Z

AERONAUTICAL DATA TABULATION

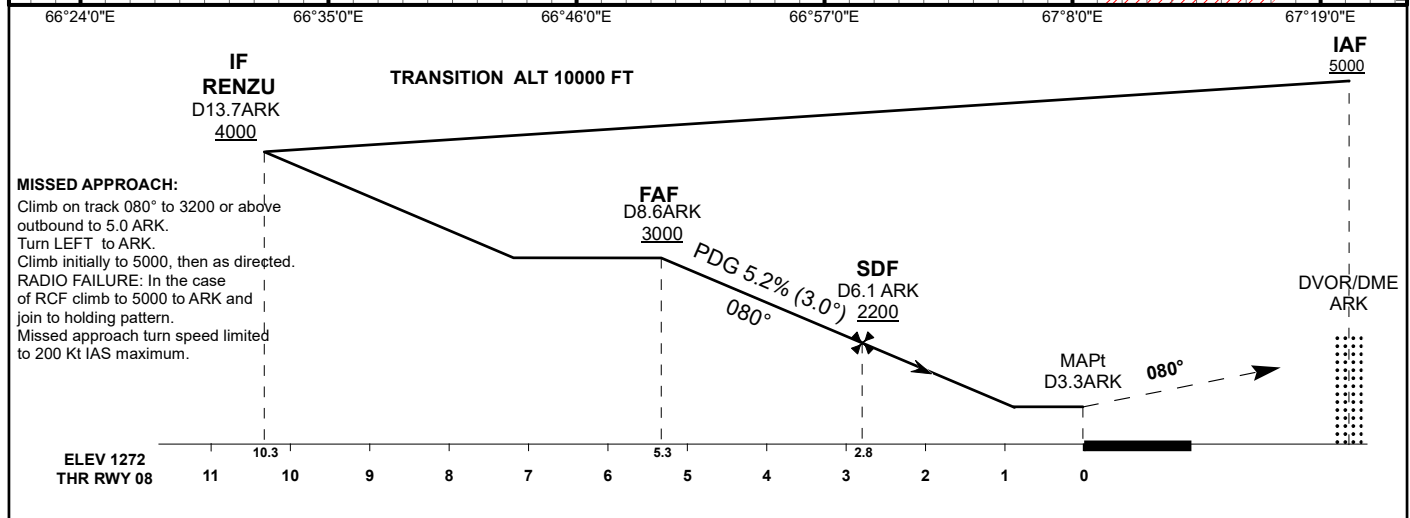
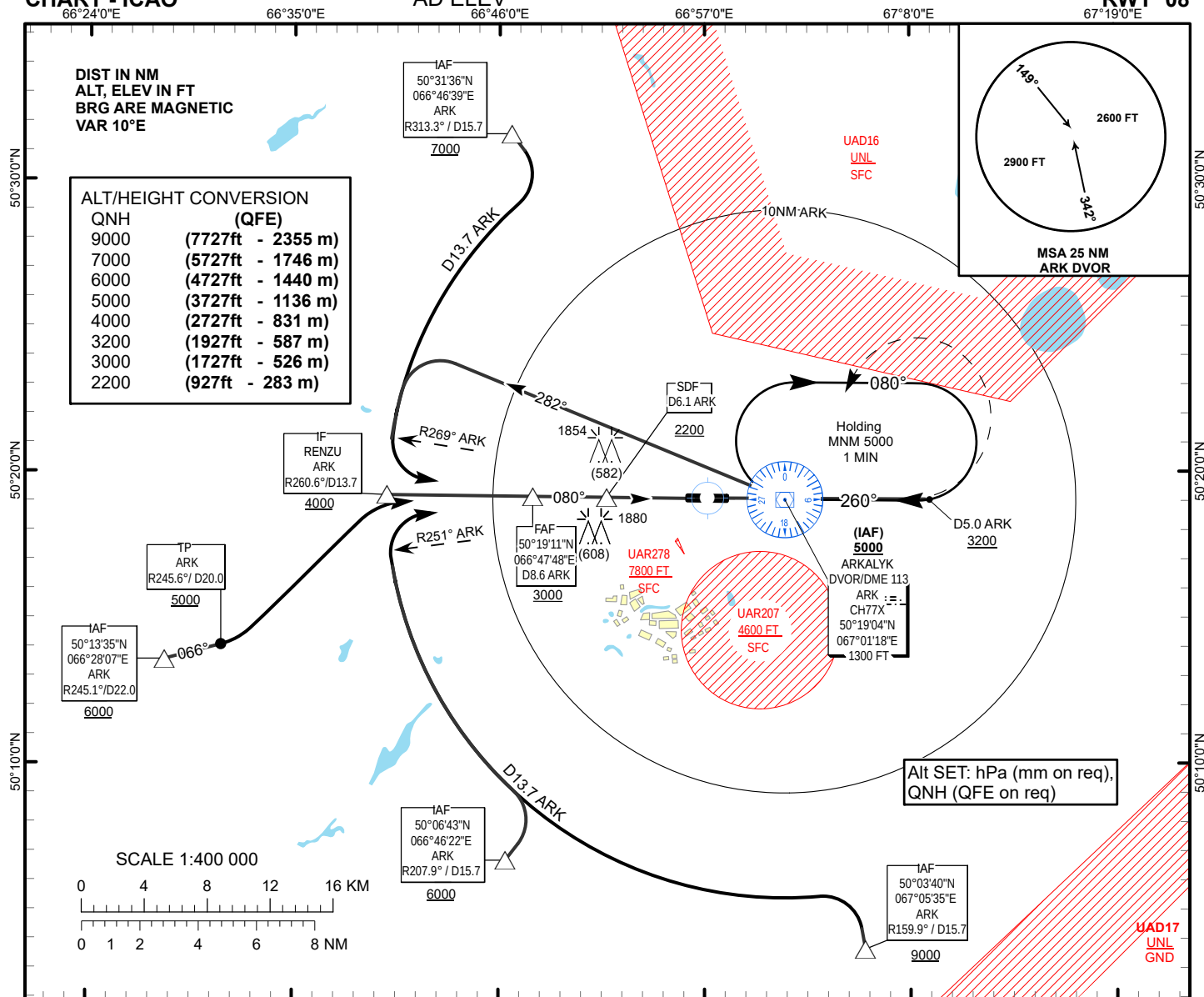
VOR/DME approach to RWY26 from ARK DVOR/DME	
Fix/point	Coordinates
ARK DVOR/DME (IAF)	50° 19' 04.18"N 067° 01' 17.93"E
(FAF) D3.3ARK	50° 19' 01.27"N 067° 06' 30.43"E
THR RWY 26	50° 19' 06.84"N 066° 58' 11.77"E
Final approach descent angle is 3°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 1273 FT
HEIGHTS RELATED TO
AD ELEV

TOWER 134.3

ARKALYK
VOR/DME
RWY 08



CHANGE: MAPt distance.

Aircraft Category		A	B	C	D							
Straight-in Approach OCA/H	VOR/DME SDF	1610(330)				DIST THR	5.3	5	4	3	2	1
	VOR/DME WO SDF	2130(850)				DME ARK	8.6	8.3	7.3	6.3	5.3	4.3
						ALTITUDE	3000	2915	2595	2275	1955	1641
						HEIGHT	(1727)	(1642)	(1322)	(1002)	(682)	(368)

VOR/DME

AERONAUTICAL DATA TABULATION

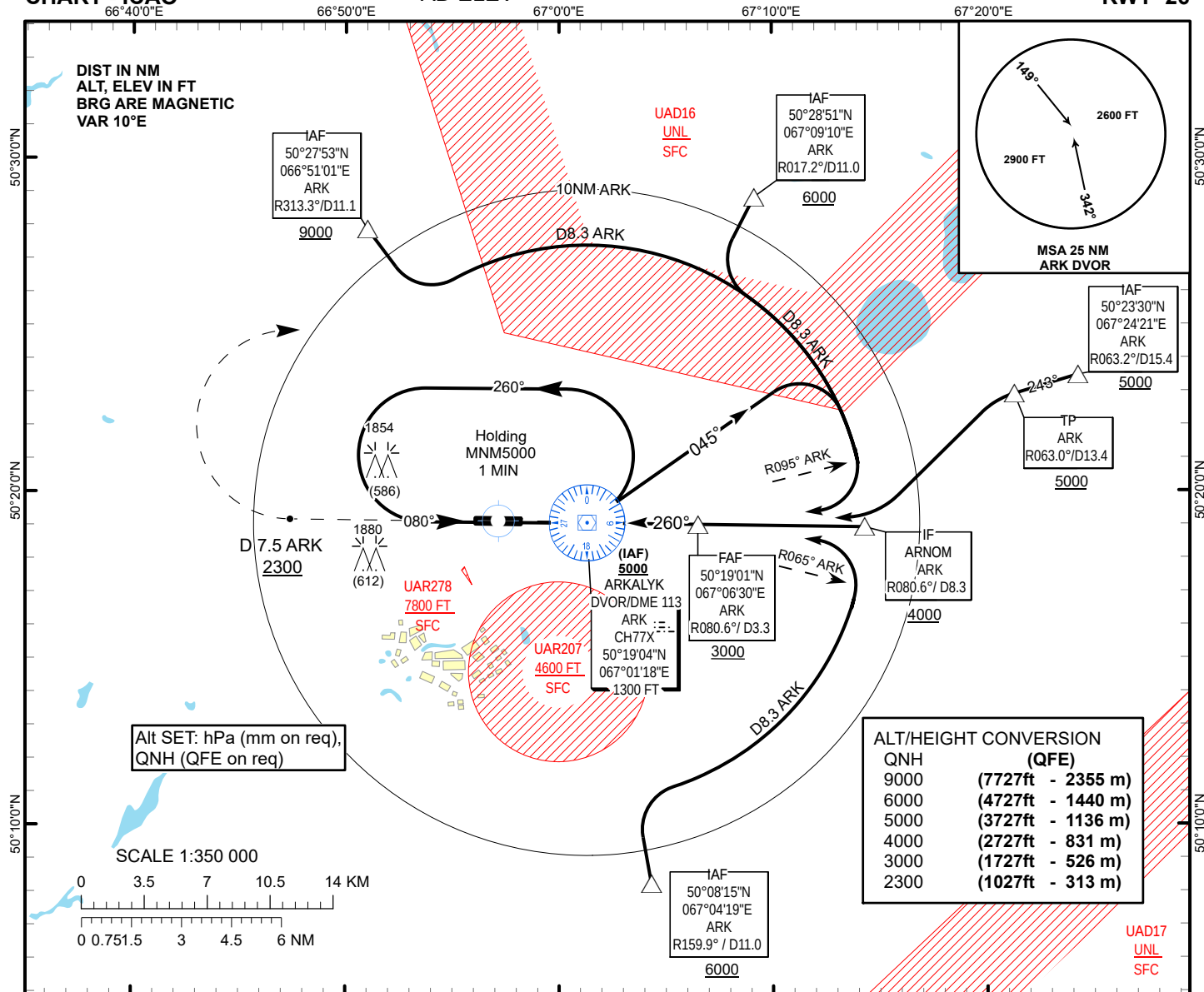
VOR/DME approach to RWY08 from ARK DVOR/DME	
Fix/point	Coordinates
ARK DVOR/DME	50° 19' 04.18"N 067° 01' 17.93"E
(FAF) D 8.6NM ARK	50° 19' 10.64"N 066° 47' 47.89"E
(SDF) D6.1NM ARK	50° 19' 10.02"N 066° 51' 45.02"E
RENU (IF) D13.7NM ARK	50° 19' 13.66"N 066° 39' 59.61"E
THR RWY 08	50° 19' 07.92"N 066° 56' 05.39"E
Final approach descent angle is 3°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 1273 FT
HEIGHTS RELATED TO
AD ELEV

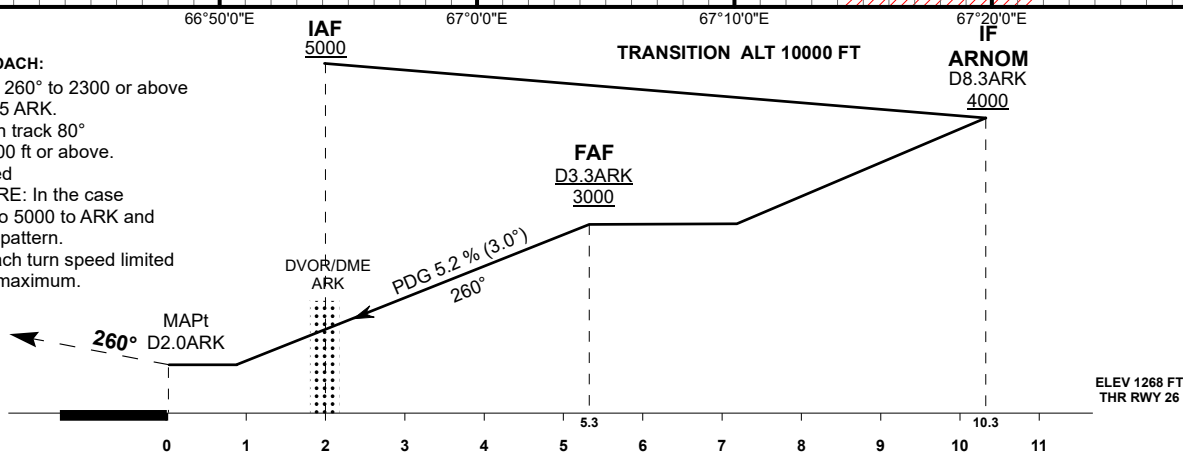
TOWER 134.3

ARKALYK
VOR/DME
RWY 26



MISSED APPROACH:

Climb on track 260° to 2300 or above
outbound to 7.5 ARK.
Turn RIGHT on track 80°
climbing to 5000 ft or above.
then as directed
RADIO FAILURE: In the case
of RCF climb to 5000 to ARK and
join to holding pattern.
Missed approach turn speed limited
to 200 Kt IAS maximum.



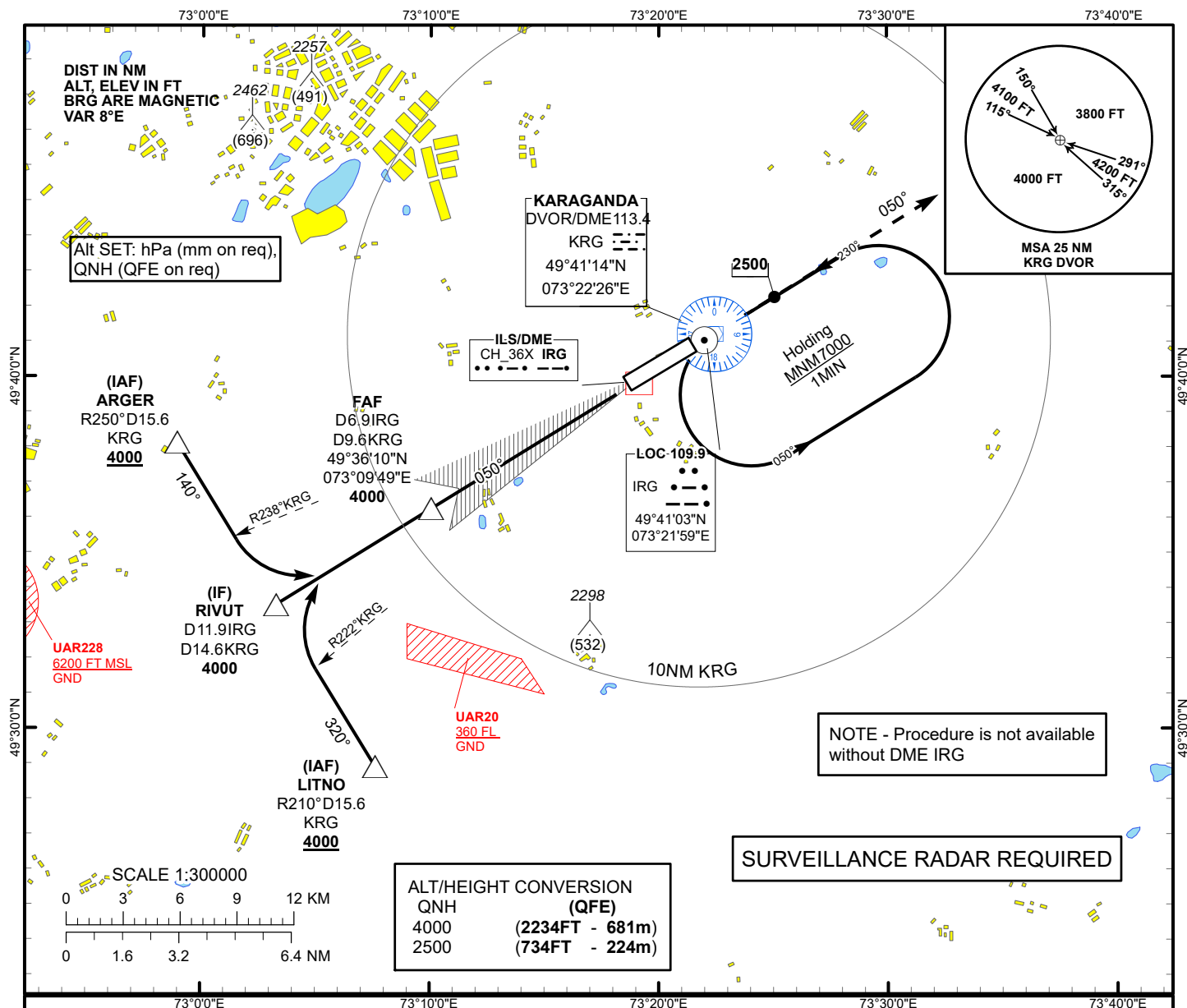
CHANGE: MAPt distance.

Aircraft Category		A	B	C	D							
Straight-in Approach OCA/H	VOR/DME	1580(300)				DIST THR	5.3	5	4	3	2	1
						DME ARK	3.3	3	2	1	0	1
						ALTITUDE	3000	2915	2595	2275	1955	1641
						HEIGHT	(1727)	(1642)	(1322)	(1002)	(682)	(368)

VOR/DME

AERONAUTICAL DATA TABULATION

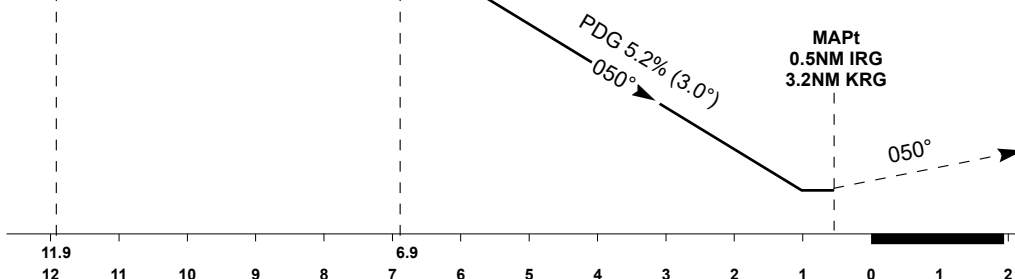
VOR/DME approach to RWY26 from ARK DVOR/DME	
Fix/point	Coordinates
ARK DVOR/DME	50° 19' 04.18"N 067° 01' 17.93"E
ARNOM (IF) D8.3NM ARK	50° 18' 56.47"N 067° 14' 18.62"E
(FAF) D3.3NM ARK	50° 19' 01.27"N 067° 06' 30.43"E
THR RWY 26	50° 19' 06.84"N 066° 58' 11.77"E
Final approach descent angle is 3°	

INSTRUMENT APPROACH
CHART
ICAOAERODROME ELEV 1766 FT
HEIGHTS RELATED TO
AD ELEVKARAGANDA TOWER 122.0
KARAGANDA ATIS (EN) 135.8
KARAGANDA ATIS (RU) 127.8KARAGANDA
LOC/DME
RWY 05IF
RIVUT
D11.9 IRG
D14.6 KRG
4000FAF
D6.9 IRG
D9.6 KRG
4000TRANSITION ALT
10000

MISSED APPROACH

Climb on track 050° to 4000FT,
After passing 2500FT radar vectoring
will be provided.

RADIO FAILURE:

In case of RCF climb on track 050° to
3200FT or above. Outbound to D3.2 NM
KRG, turn RIGHT to KRG. Climb to
7000FT to KRG and join to holding
patternDVOR/DME
KRGTHR RWY 05
ELEV 1766

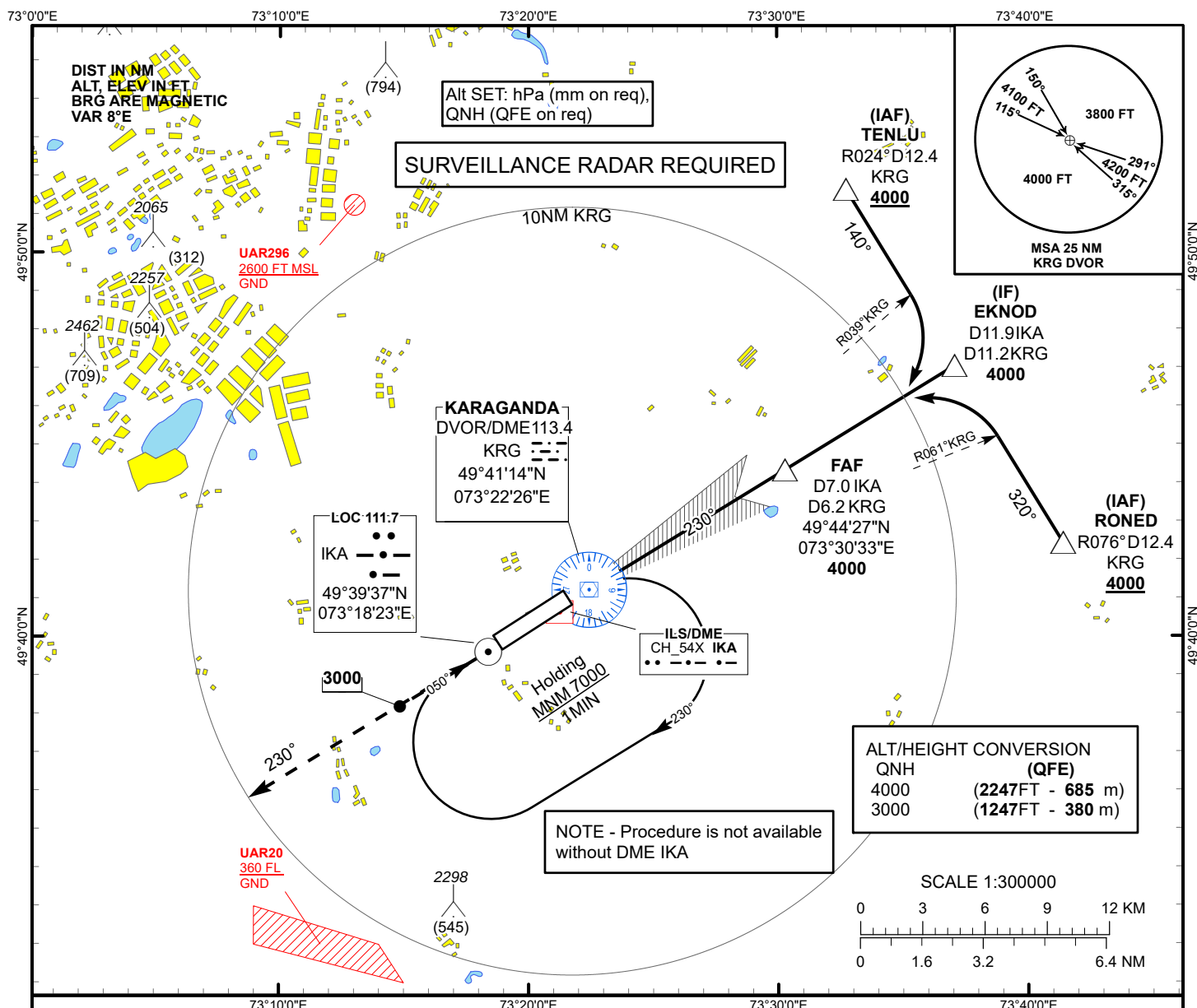
CHANGE: Add CH DME IRG.

Aircraft Category		A	B	C	D	DIST to THR DME IRG	NM	6.9	6	5	4	3	2	1
Straight-in Approach OCA/H						DME KRG	NM	9.6	8.7	7.7	6.7	5.7	4.7	3.7
						ALTITUDE	FT	4000	3726	3407	3089	2770	2452	2134
	LLZ (GP INOP)	2100(330)				HEIGHT	FT	(2234)	(1960)	(1641)	(1323)	(1004)	(686)	(368)
DME IRG ZERO RANGED TO THR RWY 05														
Aerodrome Operating Minima MDH ft x RVR(CMV)														
	LLZ (GP INOP)					GS	Kt	80	100	120	140	160	180	
						Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950	
						FAF-MAPt(6.4NM)	min:sec	4:48	3:51	3:12	2:45	2:25	2:08	

KARAGANDA
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY05 from ARGER, RIVUT, LITNO	
Fix/point	Coordinates
(FAF) D6.9 IRG, D9.6 KRG	49°36'10.3"N 073°09'48.7"E
RIVUT (IF) D11.9 IRG, D14.6 KRG	49°33'32.1"N 073°03'16.4"E
ARGER (IAF) R250° D15.6 KRG	49°38'07.8"N 072°58'55.3"E
LITNO (IAF) R210° D15.6 KRG	49°28'56.3"N 073°07'36.7"E
THR RWY05	49°39'48.35"N 073°18'51.49"E
LOC IRG	49°41'03.4"N 073°21'59.5"E
DVOR/DME KRG	49°41'13.9"N 073°22'25.7"E
Final approach descent angle is 3°	

INSTRUMENT APPROACH
CHART
ICAOAERODROME ELEV 1766 FT
HEIGHTS RELATED TO
THR RWY 23 - ELEV 1753 FTKARAGANDA TOWER 122.0
KARAGANDA ATIS (EN) 135.8
KARAGANDA ATIS (RU) 127.8KARAGANDA
LOC/DME
RWY 23

MISSED APPROACH

Climb on track 230° to 4000FT,
After passing 3000FT radar
vectoring will be provided.
RADIO FAILURE:
In case of RCF climb on track 230° to
3100FT or above. Outbound to D6.7 NM
KRG, turn LEFT to KRG. Climb to
7000FT to KRG and join to holding
pattern

TRANSITION ALT
10000DVOR/DME
KRG
MAPt
0.5NM IKA

PDG 5.2% (3.0°)

THR RWY 23
ELEV 1753FAF
D7.0 IKA
D6.2 KRG
4000IF
EKNOD
D11.9 IKA
D11.2 KRG
4000

0 1 2 3 4 5 6 7 8 9 10 11 12

CHANGE: Add CH DME IKA.

Aircraft Category		A	B	C	D	DIST to THR DME IKA	NM	7	6	5	4	3	2	1
Straight-in Approach OCA/H						DME KRG	NM	6.2	5.2	4.2	3.2	2.2	1.2	0.2
						ALTITUDE	FT	4000	3713	3394	3076	2757	2439	2121
	LLZ (GP INOP)					HEIGHT	FT	(2247)	(1960)	(1641)	(1323)	(1004)	(686)	(368)
DME IKA ZERO RANGED TO THR RWY 23														
Aerodrome Operating Minima MDH ft x RVR (CMV)						GS	Kt	80	100	120	140	160	180	
	LLZ (GP INOP)					Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950	
						FAF-MAPt(6.5NM)	min:sec	4:52	3:54	3:15	2:47	2:27	2:10	

KARAGANDA
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY23 from TENLU, EKNOD, RONE	
Fix/point	Coordinates
(FAF) D7.0 IKA, D6.2 KRG	49°44'27.1"N 073°30'32.8"E
EKNOD (IF) D11.9 IKA, D11.2 KRG	49°47'02.9"N 073°37'07.1"E
TENLU (IAF) R024° D12.4 KRG	49°51'39.2"N 073°32'46.3"E
RONE (IAF) R076° D12.4 KRG	49°42'26.4"N 073°41'27.1"E
THR RWY23	49°40'49.44"N 073°21'24.50"E
LOC IKA	49°39'37.0"N 073°18'23.0"E
DVOR/DME KRG	49°41'13.9"N 073°22'25.7"E
Final approach descent angle is 3°	

UASW AD 2.13 Declared Distances

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	2200	2440	2200	2200	
26	2200	2440	2200	2200	

UASW 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
08	CAT I (PALS) 900 M LIH	GRN Nil	PAPI LEFT/3°	Nil	Nil	2200m, spacing 60m, 0-2200m white, last 600m yellow LIH	RED Nil	Nil	Nil
26	CAT I (PALS) 900 M LIH	GRN Nil	PAPI LEFT/3°	Nil	Nil	2200m, spacing 60m, 0-2200m white, last 600m yellow LIH	RED Nil	Nil	Nil

UASW AD 2.15 Other Lighting, Secondary Power Supply

1	ABN/IBN location, characteristics and hours of operation	ABN: Nil IBN: Nil LDI: Nil
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and centre line lighting	TWY A EDGE: BLU
4	Secondary power supply/switch-over time	AVBL, 1 SEC
5	Remarks	Nil

UASW AD 2.16 Helicopter Landing Area

NIL

UASW AD 2.17 ATS Airspace

1	Designation and lateral limits	KATON-KARAGAY CTR 493442N 0845024E – 492555N 0853150E - 491811N 0853412E – 490951N 0853509E – 490916N 0852853E – 490834N 0850608E – 490938N 0850238E – 491001N 0845822E – 490932N 0844921E – 493442N 0845024E
2	Vertical limits	9000FT AMSL/ GND
3	Airspace classification	C
4	ATS unit call sign Language(s)	KATON-KARAGAY EN KATON-KARAGAY RU
5	Transition altitude	10000 FT
6	Hours of applicability	See NOTAM
7	Remarks	Radar control is not provided in the vicinity of the aerodrome. Within the area of responsibility of the TWR controller, not more than one aircraft shall be present when operating under IFR.

UASW 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	KATON-KARAGAY TOWER (EN) KATON-KARAGAY VYSHKA (RU)	124,4 MHZ	Nil	Nil	See NOTAM	

UASW 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	Elevati on of DME trans mittin g antenn a	Servic e volum e radius from the GBAS refere nce point	Rema rks
1	2	3	4	5	6	7	8
DVOR/DME (5°E/2025)	KTN	114.2 MHZ CH 89X	H24	491040.7N 0851338.5E	3400 FT	Nil	Nil
ILS LOC 08 I/D/2	IKN	110.3 MHZ	H24	491045.7N 0851616.2E			
GP 08 I/C/2		110.3 MHZ		491036.9N 0851418.5E	3400 FT	Nil	Nil
DME 08	IKN	CH 40X		491036.9N 0851418.5E			

UATB AD 2

Note: The following sections in this chapter are intentionally left blank: AD-2.10, AD-2.16, AD-2.18, AD-2.20, AD-2.21, AD-2.22, AD-2.23, AD-2.25

UATB AD 2.1 Aerodrome Location Indicator And Name

UATB - KENDERLI

UATB AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	425553N 0523339E At the centre of RWY
2	Direction and distance from (city)	7 NM from Kenderli Resort Area (by road)
3	Elevation/Reference temperature	326 FT/33° C
4	Geoid undulation at AD ELEV PSN	-42 FT
5	MAG VAR/Annual Change	8° (2026)/0.02°
6	AD Administration, address, telephone, telefax, telex, AFS	Post: Authority of Airport Kenderli, JSC "Kenderli Airport" Republic of Kazakhstan ", Mangystau Region, Karakiya District, Kuryk Rural District, Kuryk Village, Plot 34 Phone: +7 778 5601601 Email: kendirli.airport@mail.ru
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UATB AD 2.3 Operational Hours

1	AD Operator	See NOTAM
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	Nil
6	MET Briefing Office	Nil
7	ATS	See NOTAM
8	Fuelling	Nil
9	Handling	Nil
10	Security	H24
11	De-icing	Nil
12	Remarks	Nil

UATB AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	Baggage loading/unloading equipment (TLD NBT-E, self-propelled electric belt loader), baggage/cargo tractors (TLD JST-20, towing capacity up to 20 tonnes for baggage carts and equipment), baggage carts (TIMSAN BT2000, load capacity up to 2000 kg), forklift (DOOSAN G50, 5 tonnes). Modern cargo handling equipment for loads up to 20 t.
2	Fuel/oil types	TS-1, RT
3	Fuelling facilities/capacity	Aircraft refuelling vehicles equipped with Deadman and Interlock systems (MATES/MERCEDES AR20 airfield refuelling vehicle with an aluminium tank and fuel metering system).
4	De-icing facilities	Aircraft de-icing vehicle (JBT TEMPEST-i): open cab, working height – 14.2 m; Type I fluid tank capacity – 6,800 L; Type IV fluid tank capacity – 1,500 L; special-purpose chassis; heating capacity – 3,000,000 BTU.
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	A de-icing/anti-icing chemical is used for ice removal from aerodrome pavements. See circular "SEASONAL SNOW PLAN FOR THE WINTER SEASON".

UATB AD 2.5 Passenger Facilities

1	Hotels	Located 21 km from Kenderli
2	Restaurants	The restaurant is located in the city of Zhanaozen, 60 km from the airport.
3	Transportation	Taxis
4	Medical facilities	A medical aid station is located on the first floor of the passenger terminal building, and a pharmacy kiosk is located on the second floor of the passenger terminal building. Ambulance: FOTON TOANO, Class A, equipped with a ventilator and accessories, a transport defibrillator with monitor, and an electrocardiograph (ECG).
5	Bank and Post Office	The restaurant is located in the city of Zhanaozen, 60 km from the airport.
6	Tourist Office	The restaurant is located in the city of Zhanaozen, 60 km from the airport.
7	Remarks	

UATB AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	A5
2	Rescue equipment	Aerodrome fire-fighting vehicles (KAMAZ AA-8.5/43118). The minimum number of rescue and fire-fighting vehicles provided at the aerodrome is 2 fire-fighting vehicles, with the following total quantities of fire-extinguishing agents: Water – 11,800 L / Foam – 6,000 L / Dry chemical agent – 226 kg.

3	Capability for removal of disabled aircraft	Aircraft towing tractor (TLD TMX-50-8, towing capacity up to 80 tonnes, own weight 8 tonnes), towbars (AEROSPECIALTIES AN-24/ATR 42/Q400/CRJ200 — 3 towbars for various aircraft types), equipment for removal of disabled aircraft (KUNZ recovery kit — slings, beams, towing cables and mats (comprehensive equipment set comprising various special attachments: slings, beams, towing cables and mats).
4	Remarks	Nil

UATB AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	Winter maintenance equipment is available throughout the winter season. Main winter maintenance equipment: plough-brush machines, rotary snow blowers and chemical spreaders.
2	Clearance priorities	Clearance priorities: 1. RWY 2. TWY 3. Stands
3	Remarks	Nil

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

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1-4		CONC+ASPH	PCN 26/F/C/X/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	17	CONC+ASPH	PCN 26/F/C/X/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

UATB 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	RWY entrance signs, TWY identification signs
2	RWY and TWY markings and LGT	RWY markings: RWY designation markings, RWY centre line, threshold, aiming point, touchdown zone, RWY edges, turn pad markings. TWY markings: TWY centre line, TWY edges, runway-holding position markings. Apron markings: taxiway edge markings (adjacent to the apron), perpendicular boundary lines, taxi guide lines, stand number identification, path of travel, taxi direction indicators. De-icing/Anti-icing pad markings: holding areas, aircraft stopping position indicators on the centre line, stand number, safety lines, taxiway edge markings. Runway lights: see AD 2.14. Taxiway lights: see AD 2.15.
3	Stop bars	Nil

4	Other runway protection measures	Nil
5	Remarks	Nil

UATB AD 2.10 Aerodrome Obstacles

NIL

UATB AD 2.11 Meteorological Information Provided

1	Associated MET Office	Meteorological service Kenderli Phone: +7 (712302) 3864
2	Hours of service MET Office outside hour	HO
3	Office responsible for TAF preparation: Periods of validity	Meteorological service Aktau, H24 (0024, 0606, 1212, 1818)
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	Available. Meteorological equipment (meteorological mast with wind speed and direction sensors, ceilometer, visibility/ RVR sensor (transmissometer), windsock, lightning detector, Xtran met station).
9	ATS units provided with information	TWR
10	Additional information	Nil

UATB 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
10	109.00	2200 X 35	26 /F/C/X/T CONC+ASPH	425605.97N 0523253.82E -42.0 FT	THR 325 FT	-1,2%
28	289.00	2200 X 35	26 /F/C/X/T CONC+ASPH	425540.92N 0523424.68E -42.0 FT	THR 322 FT	1,2%

SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimension s (M)	Location and description of arresting system	OFZ	Remarks
8	9	10	11	12	13	14
Nil	300 X 150	2500 X 300	240 X 150	Nil	Nil	Turn pads 45.0 m wide
Nil	300 X 150	2500 X 300	240 X 150	Nil	Nil	Turn pads 45.0 m wide

UATB AD 2.13 Declared Distances

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
10	2200	2500	2440	2200	
28	2200	2500	2440	2200	

UATB 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
10	(SALS) 420 M LIL	GRN Nil	PAPI LEFT/3°	Nil	Nil	2200m, spacing 60m, 0-1600m white, last 600m yellow LIH	RED Nil	Nil	Nil
28	(SALS) 420 M LIL	GRN Nil	PAPI LEFT/3°	Nil	Nil	2200m, spacing 60m, 0-1600m white, last 600m yellow LIH	RED Nil	Nil	Nil

UATB 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 WDI: Nil
3	TWY edge and centre line lighting	TWY A edge lights — BLU Turning pad lights on RWY — BLU, steady, elevated type, spacing 15 m

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4	Secondary power supply/switch-over time	AVBL, 1 sec
5	Remarks	Nil

UATB AD 2.16 Helicopter Landing Area

NIL

UATB AD 2.17 ATS Airspace

1	Designation and lateral limits	KENDERLI CTR 430058N 0522459E - 425918N 0523106E - 425927N 0523313E - 425815N 0523732E - 425711N 0523853E - 425531N 0524500E - 425047N 0524239E - 425226N 0523637E - 425215N 0523418E - 425317N 0523023E - 425437N 0522838E - 425616N 0522235E - 430058N 0522459E
2	Vertical limits	5000 FT ALT/ GND
3	Airspace classification	C
4	ATS unit call sign Language(s)	KENDERLI TOWER EN KENDERLI VYSHKA RU
5	Transition altitude	10000 FT
6	Hours of applicability	See NOTAM
7	Remarks	Radar surveillance is not provided in the aerodrome area. Within the area of responsibility of the Aerodrome Control Tower, only one IFR aircraft shall be permitted at any one time.

UATB AD 2.18 ATS Communication Facilities

NIL

UATB 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 operatio n	Position of transmitting antenna coordinates	Elevati on of DME trans mittin g antenn a	Servic e volum e radius from the GBAS refere nce point	Rema rks
1	2	3	4	5	6	7	8
DVOR/DME (8°E/2025)	KDN	115.3 MHZ CH 100X	H24	425617.37N 0523212.50E	300 FT	Nil	Nil
NDB	KDN	470 KHZ	HO	425608.12N 0523318.31E	Nil	Nil	Nil

UATB AD 2.20 Local Traffic Regulations

NIL

UATB AD 2.21 Noise Abatement Procedures

NIL

UATB AD 2.22 Flight Procedures

NIL

UATB AD 2.23 Additional Information

NIL

UATB AD 2.24 Charts Related To An Aerodrome

Name	Page
Aerodrome Chart - ICAO	UATB AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart - ICAO	UATB AD 2.24.3-1
Standard Departure Chart Instrument (SID) - RWY 10 ICAO	UATB AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) - RWY 28 ICAO	UATB AD 2.24.7-2-1
Standard Departure Chart Instrument (SID) - RNP RWY 10 ICAO	UATB AD 2.24.7-3-1
Standard Departure Chart Instrument (SID) - RNP RWY 28 ICAO	UATB AD 2.24.7-4-1
Standard Arrival Chart Instrument (STAR) - RWY 10 ICAO	UATB AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) - RWY 28 ICAO	UATB AD 2.24.9-2-1
Standard Arrival Chart Instrument (STAR) - RNP RWY 10 ICAO	UATB AD 2.24.9-3-1
Standard Arrival Chart Instrument (STAR) - RNP RWY 28 ICAO	UATB AD 2.24.9-4-1
Instrument Approach Chart – VOR/DME RWY 10 ICAO	UATB AD 2.24.11-1-1
Instrument Approach Chart – VOR/DME RWY 28 ICAO	UATB AD 2.24.11-2-1
Instrument Approach Chart - RNP RWY 10 ICAO	UATB AD 2.24.11-3-1
Instrument Approach Chart - RNP RWY 28 ICAO	UATB AD 2.24.11-4-1
Visual Approach chart – ICAO	UATB AD 2.24.12-1

UATB AD 2.25 Visual segment surface (VSS) penetrations)

NIL

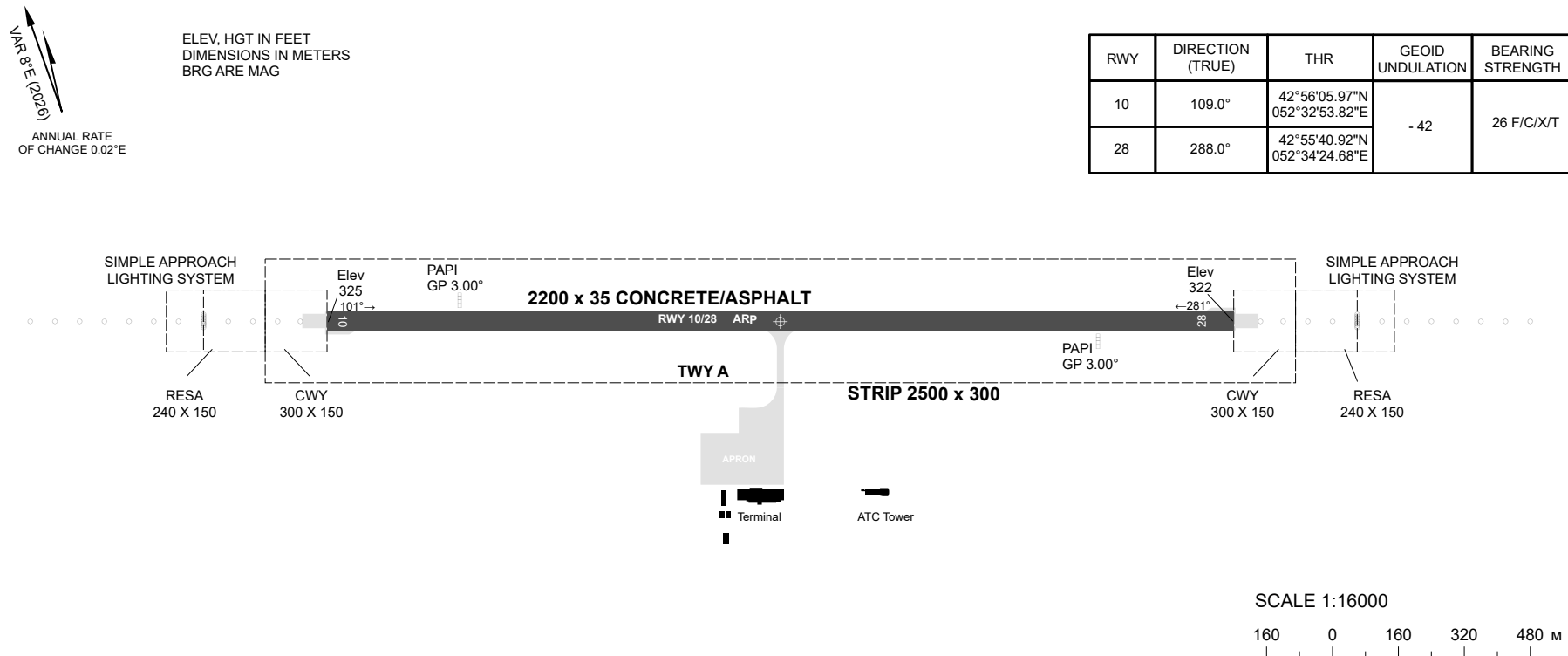
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AERODROME CHART - ICAO

**ARP 425553N
0523339E**

TWR SEE NOTAM

KENDERLI



MARKING, LIGHTING RWY 10/28

To be developed

CHANGE: New chart

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KAZAKHSTAN

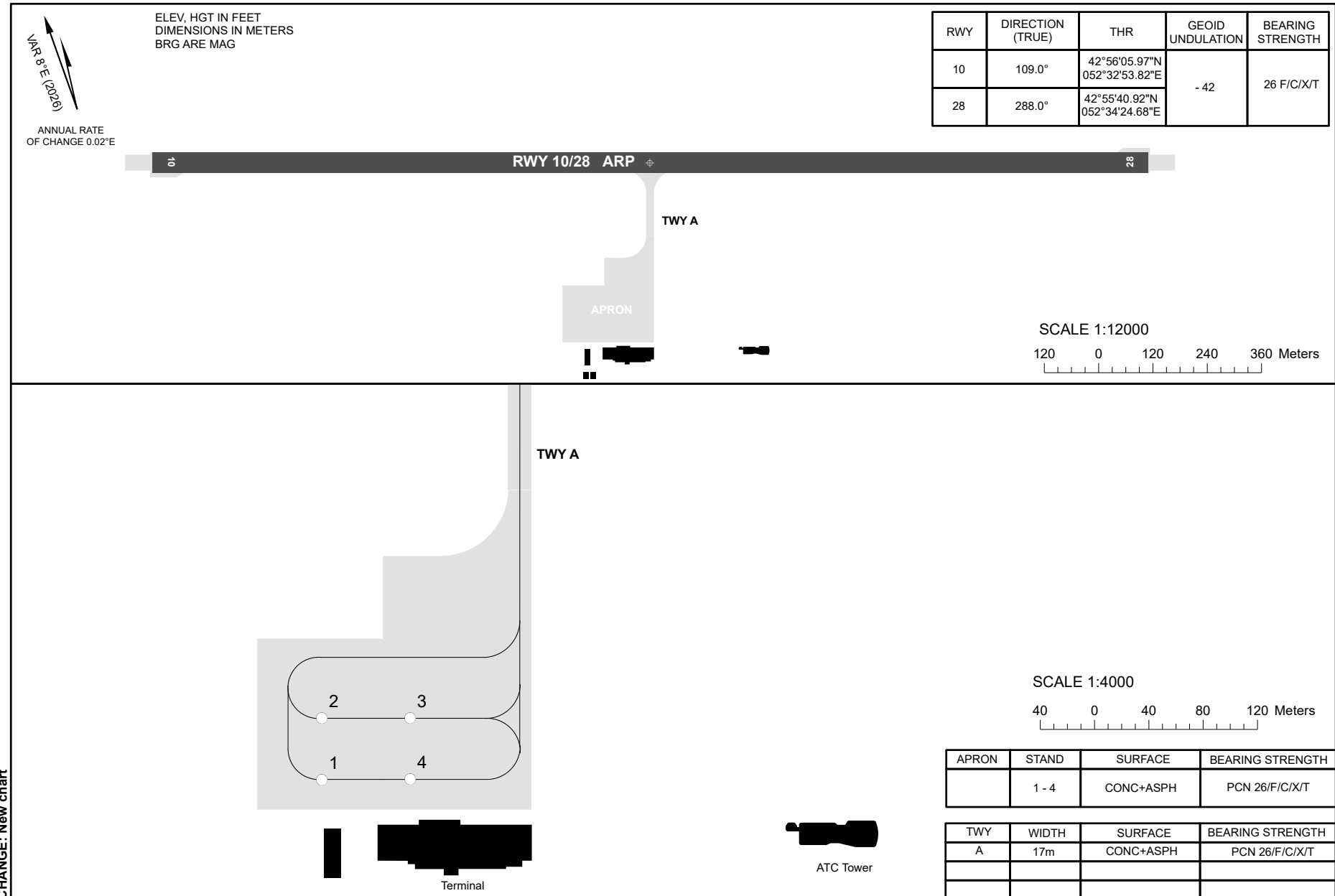
UATB AD 2.24.3 - 1
26 NOV 2026

AERODROME GROUND MOVEMENT AND PARKING CHART - ICAO

APRON ELEV 325 FT

TWR SEE NOTAM

KENDERLI



Kazaeronavigatsia

AIRAC AMDT 012/2026

KENDERLI

STANDS CHARACTERISTICS

To be developed

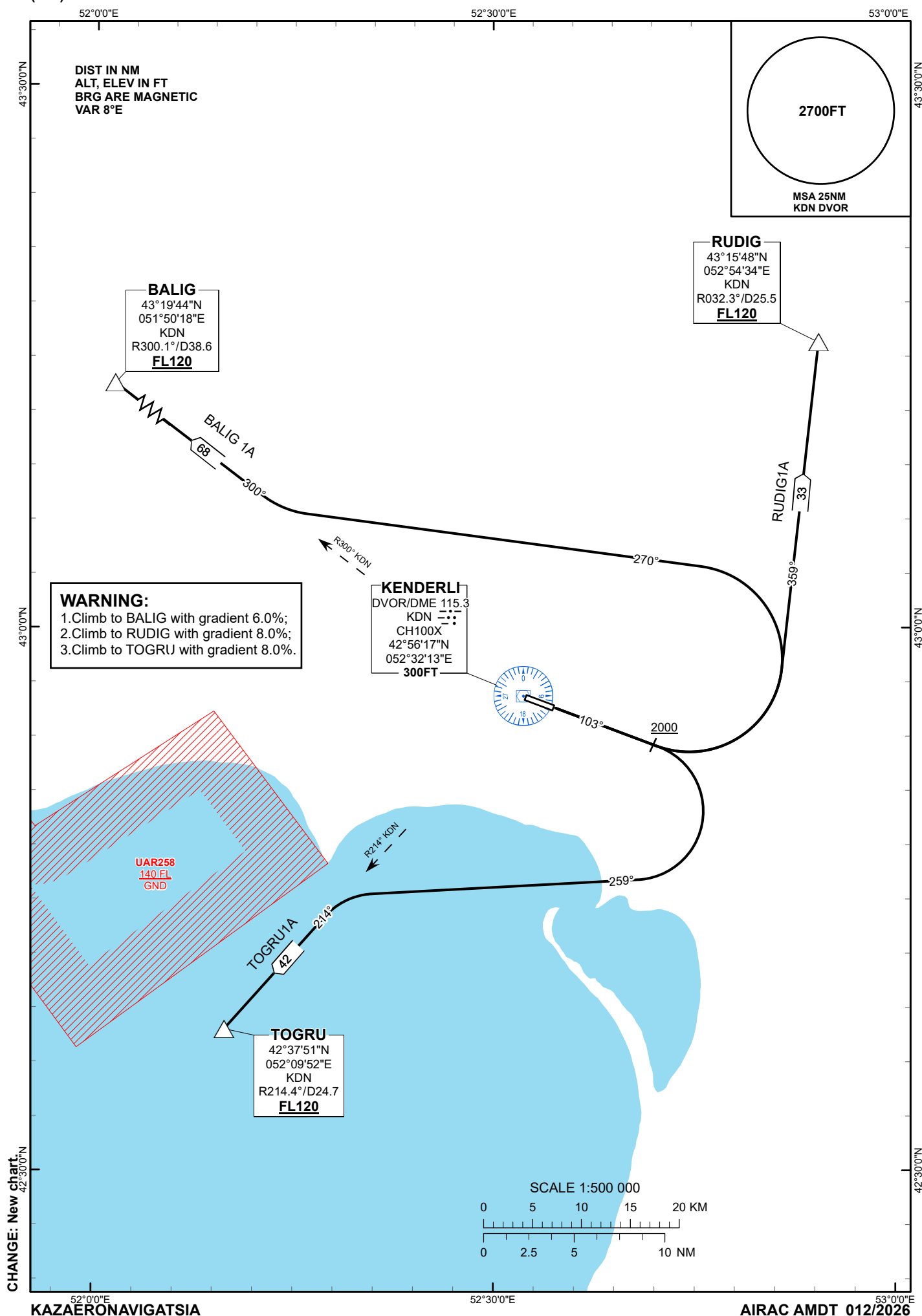
STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1A, RUDIG1A, TOGRU1A

KENDERLI
RWY 10



STANDARD DEPARTURE ROUTES - INSTRUMENT (SID) KENDERLI RWY 10
BALIG 1A After take-off climb straight ahead to 2000 FT or above, turn LEFT on track 270° until intercept R300° KDN, then proceed on track 300° to BALIG (R300.1° D38.6NM KDN). Cross BALIG at FL120 or above.
RUDIG 1A After take-off climb straight ahead to 2000 FT or above, turn LEFT on track 359° to RUDIG (R032.3° D25.5NM KDN). Cross RUDIG at FL120 or above.
TOGRU 1A After take-off climb straight ahead to 2000 FT or above, turn RIGHT on track 259° until intercept R214° KDN, then proceed on track 214° to TOGRU (R214.4° D24.7NM KDN). Cross TOGRU at FL120 or above.

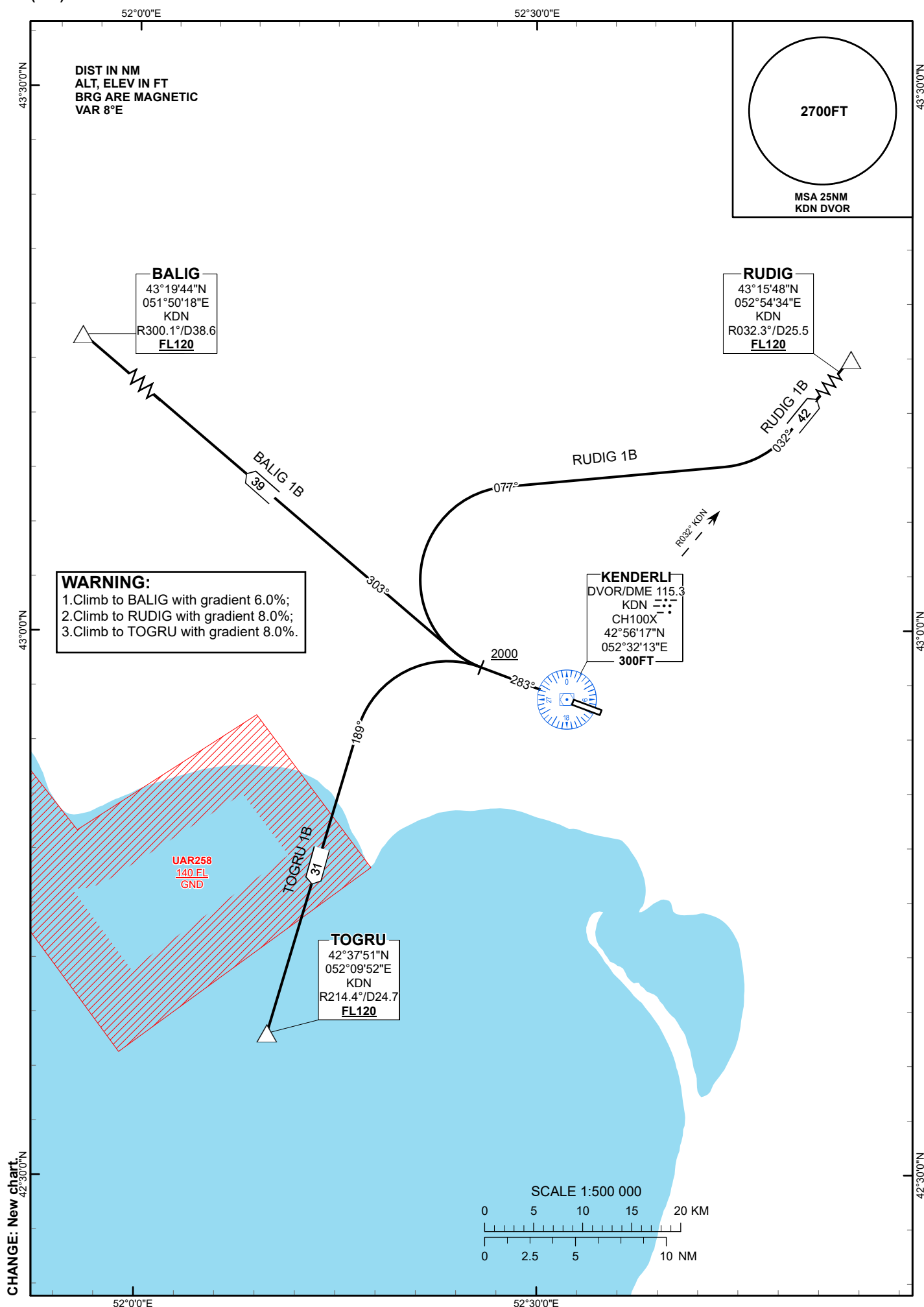
STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1B, RUDIG 1B,
TOGRU 1B

KENDERLI
RWY 28



STANDARD DEPARTURE ROUTES - INSTRUMENT (SID) KENDERLI RWY 28

BALIG 1B

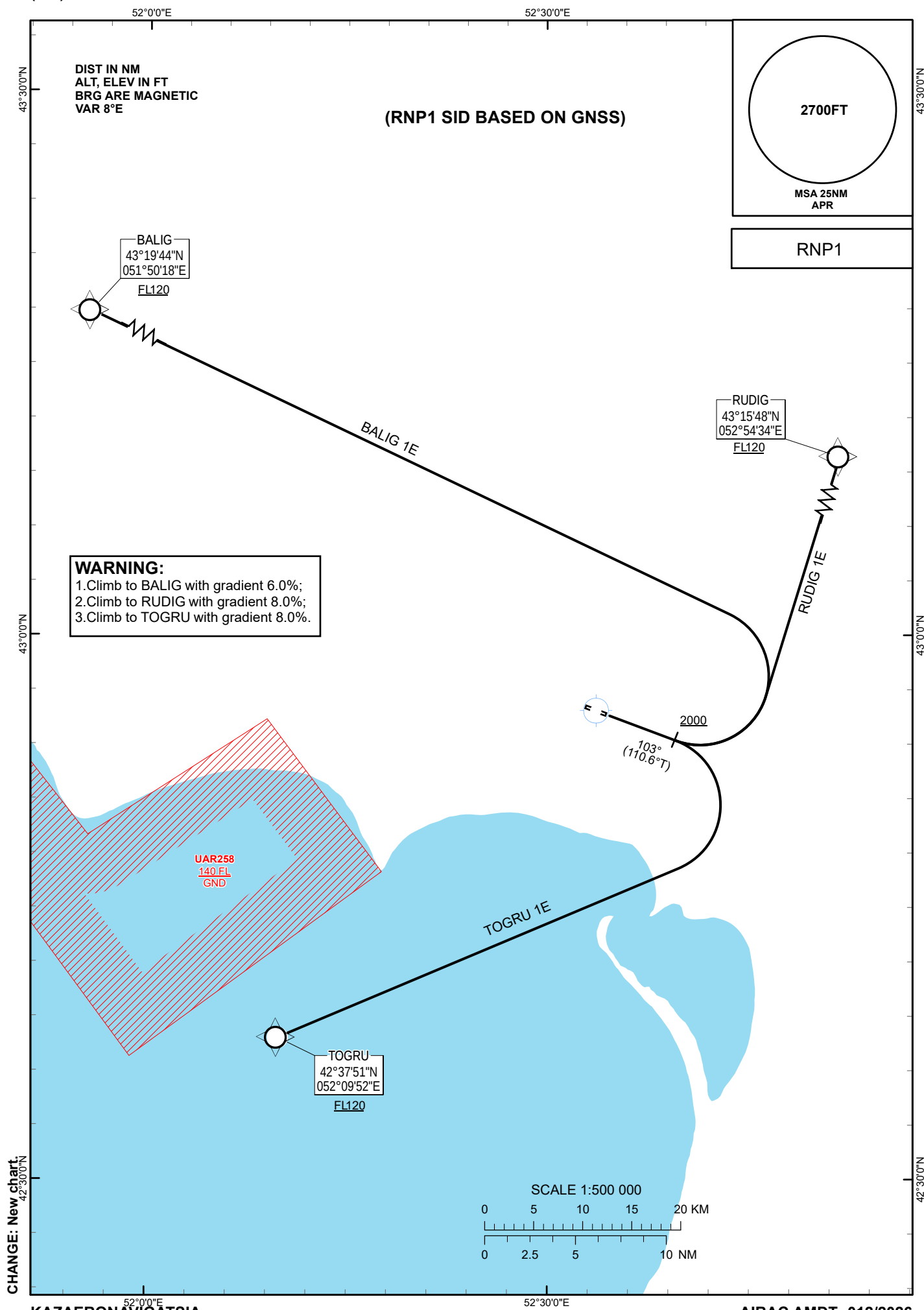
After take-off climb straight ahead to 2000 FT or above, turn RIGHT on track 303° to BALIG (R300.1° D38.6NM KDN). Cross BALIG at FL120 or above.

RUDIG 1B

After take-off climb straight ahead to 2000 FT or above turn RIGHT on track 077° until intercept R032° KDN, then proceed on track 032° to RUDIG (R032.3° D25.5NM KDN). Cross BALIG at FL120 or above.
--

TOGRU 1B

After take-off climb straight ahead to 2000 FT or above, turn LEFT on track 189° to TOGRU (R214.4° D24.7NM KDN). Cross BALIG at FL120 or above.
--



TABULAR DESCRIPTION

BALIG 1E RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	103(110.6)	+7.5	-	-	+2000	-	2.5	RNP1
020	DF	BALIG	-	-	+7.5	-	L	+FL120	-	2.5	RNP1

RUDIG 1E RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	103(110.6)	+7.5	-	-	+2000	-	2.5	RNP1
020	DF	RUDIG	-	-	+7.5	-	L	+FL120	-	3.5	RNP1

TOGRU 1E RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	103(110.6)	+7.5	-	-	+2000	-	2.5	RNP1
020	DF	TOGRU	-	-	+7.5	-	R	+FL120	-	2.8	RNP1

WAYPOINT COORDINATES

Waypoint Identifier	Coordinates	
BALIG	431944.00N	0515018.00E
RUDIG	431548.00N	0525434.00E
TOGRU	423751.00N	0520952.00E

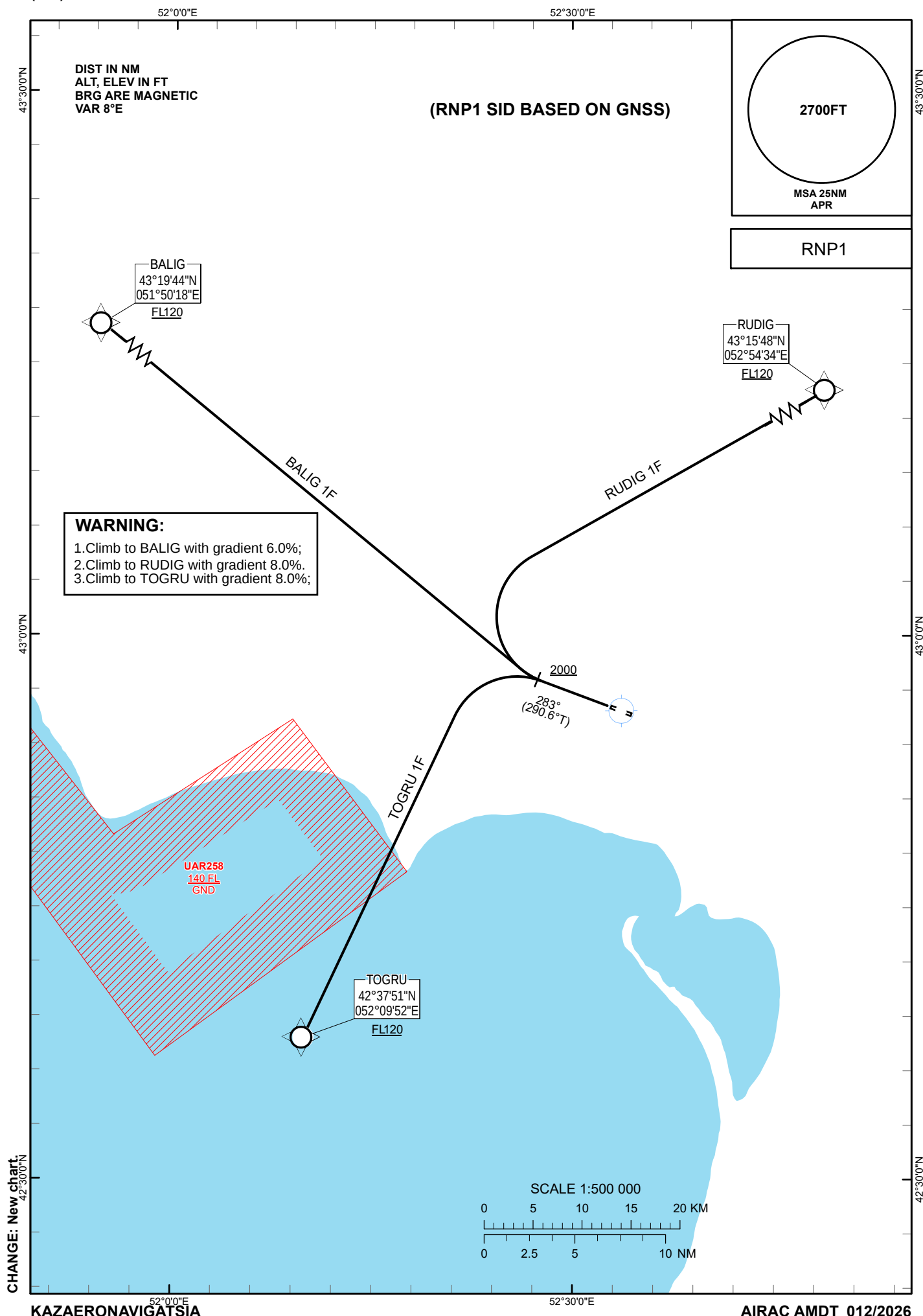
STANDARD DEPARTURE
CHART - INSTRUMENT
(SID) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1F, RUDIG 1F, TOGRU 1F

KENDERLI
RWY 28



TABULAR DESCRIPTION

BALIG 1F RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	283(290.6)	+7.5	-	-	+2000	-	3	RNP1
020	DF	BALIG	-	-	+7.5	-	R	+FL120	-	3	RNP1

RUDIG 1F RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	283(290.6)	+7.5	-	-	+2000	-	3	RNP1
020	DF	RUDIG	-	-	+7.5	-	R	+FL120	-	3	RNP1

TOGRU 1F RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	CA	-	-	283(290.6)	+7.5	-	-	+2000	-	3	RNP1
020	DF	TOGRU	-	-	+7.5	-	L	+FL120	-	3.6	RNP1

WAYPOINT COORDINATES

Waypoint Identifier	Coordinates	
BALIG	431944.00N	0515018.00E
RUDIG	431548.00N	0525434.00E
TOGRU	423751.00N	0520952.00E

KENDERLI
RWY 10



STANDARD ARRIVAL ROUTES - INSTRUMENT (STAR) KENDERLI RWY 10
BALIG 1G After crossing BALIG (R300.1° D38.6 KDN) proceed on track 120° to DVOR/DME KDN. Cross KDN at 4000 FT or above.
RUDIG 1G After crossing RUDIG (R032.3° D25.5 KDN) proceed on track 213° to DVOR/DME KDN. Cross KDN at 4000 FT or above.
TOGRU 1G After crossing TOGRU (R214.4° D24.7 KDN) proceed on track 034° to DVOR/DME KDN. Cross KDN at 4000 FT or above.

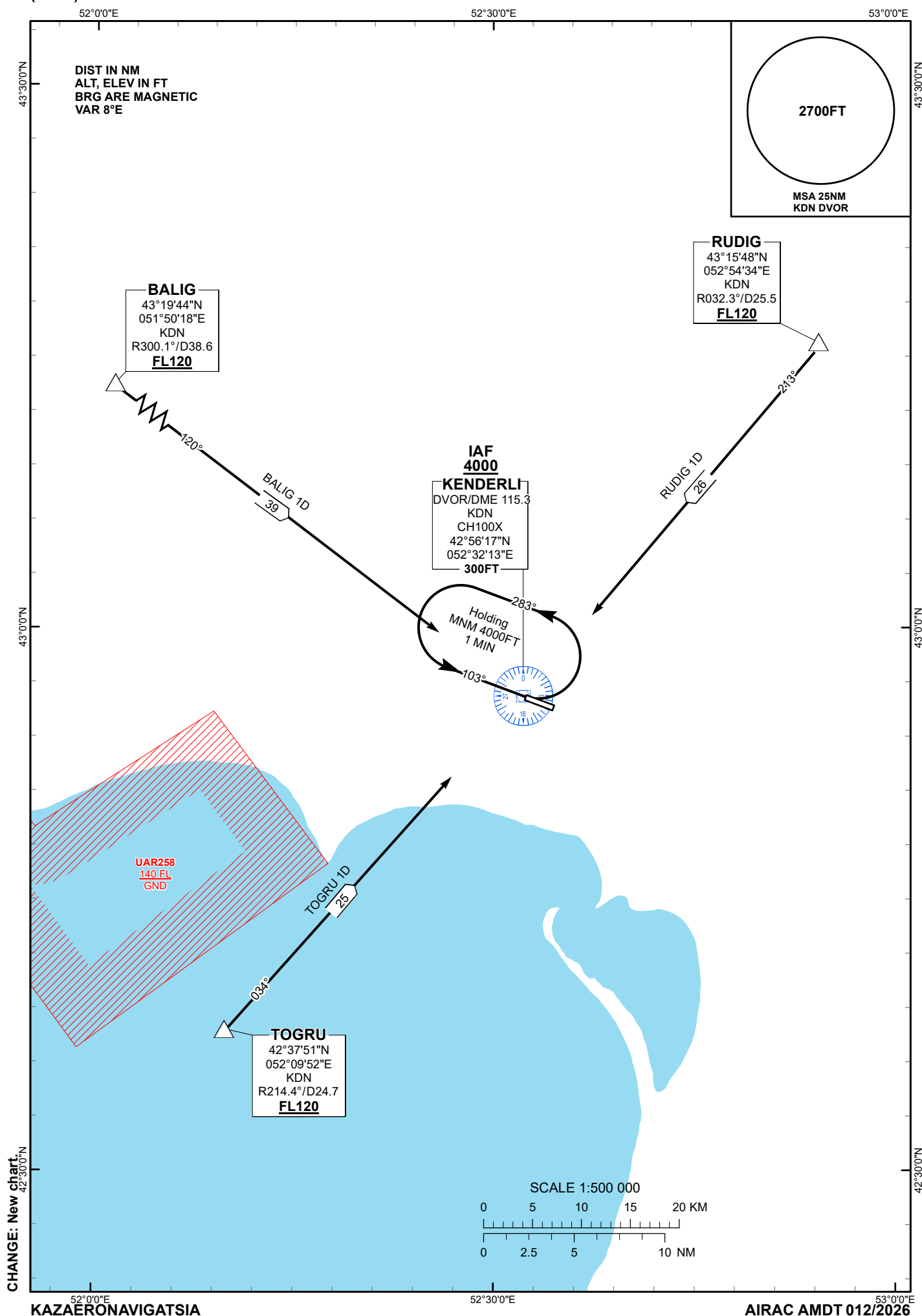
STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1D, RUDIG 1D, TOGRU 1D

KENDERLI
RWY 28



STANDARD ARRIVAL ROUTES - INSTRUMENT (STAR) KENDERLI RWY 28
BALIG 1D After crossing BALIG (R300.1° D38.6 KDN) proceed on track 120° to DVOR/DME KDN. Cross KDN at 4000 FT or above.
RUDIG 1D After crossing RUDIG (R032.3° D25.5 KDN) proceed on track 213° to DVOR/DME KDN. Cross KDN at 4000 FT or above.
TOGRU 1D After crossing TOGRU (R214.4° D24.7 KDN) proceed on track 034° to DVOR/DME KDN. Cross KDN at 4000 FT or above.

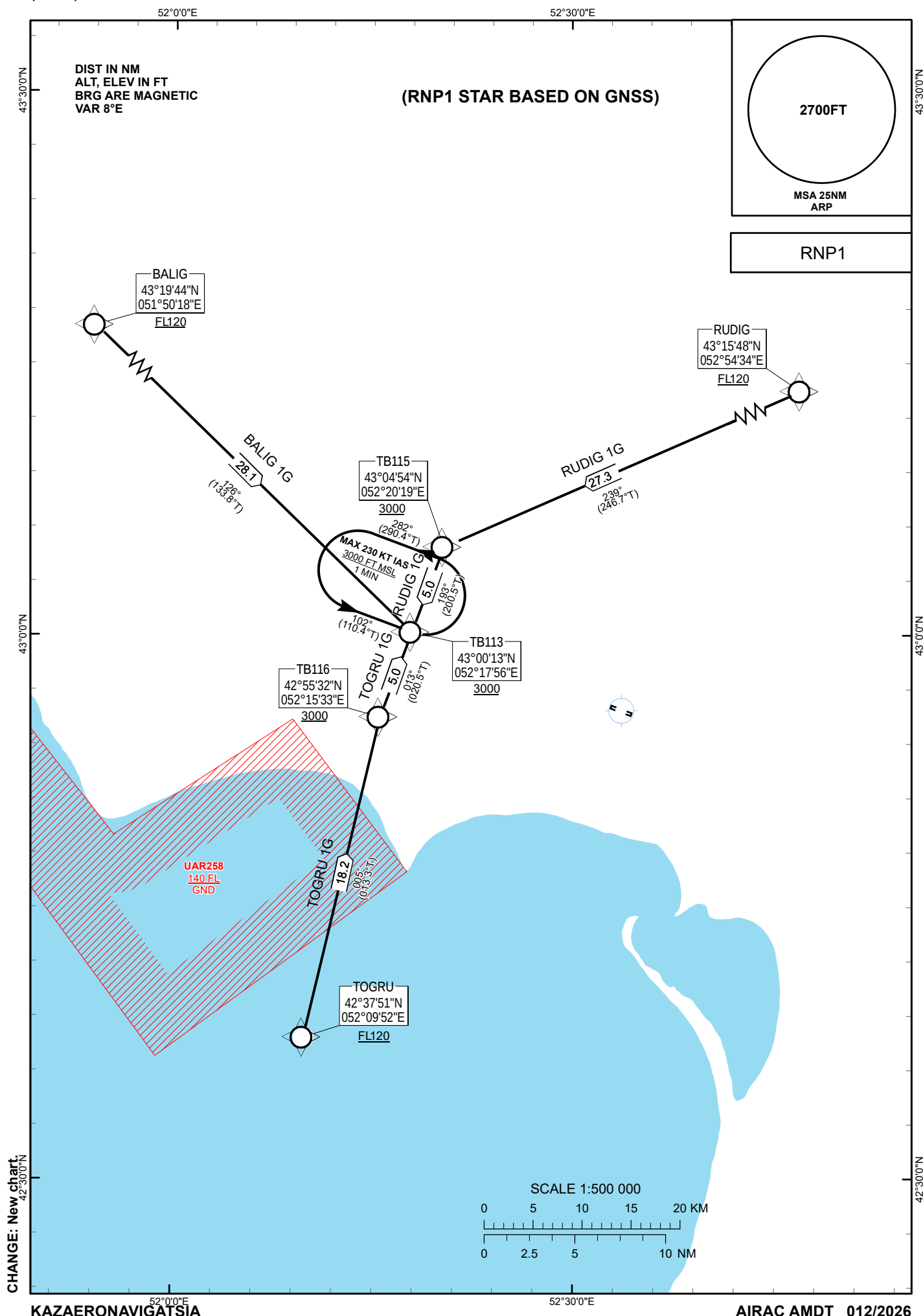
STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1G, RUDIG 1G, TOGRU 1G

KENDERLI
RWY 10



TABULAR DESCRIPTION

BALIG 1G RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	BALIG	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB113	-	126(133.8)	+7.5	28.1	-	+3000	-	-	RNP1
030	HM	TB113	-	102(110.4)	+7.5	-	R	+3000	-230	-	RNP1

RUDIG 1G RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	RUDIG	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB115	-	239(246.7)	+7.5	27.3	-	+3000	-	-	RNP1
030	TF	TB113	-	193(200.5)	+7.5	5.0	L	+3000	-	-	RNP1
040	HM	TB113	-	102(110.4)	+7.5	-	R	+3000	-230	-	RNP1

TOGRU 1G RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	TOGRU	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB116	-	005(013.3)	+7.5	18.2	-	+3000	-	-	RNP1
030	TF	TB113	-	013(020.5)	+7.5	5.0	R	+3000	-	-	RNP1
040	HM	TB113	-	102(110.4)	+7.5	-	R	+3000	-230	-	RNP1

WAYPOINT COORDINATES

Waypoint Identifier	Coordinates	
BALIG	431944.00N	0515018.00E
RUDIG	431548.00N	0525434.00E
TB113	430012.74N	0521755.76E
TB115	430453.93N	0522019.02E
TB116	425531.50N	0521532.85E
TOGRU	423751.00N	0520952.00E

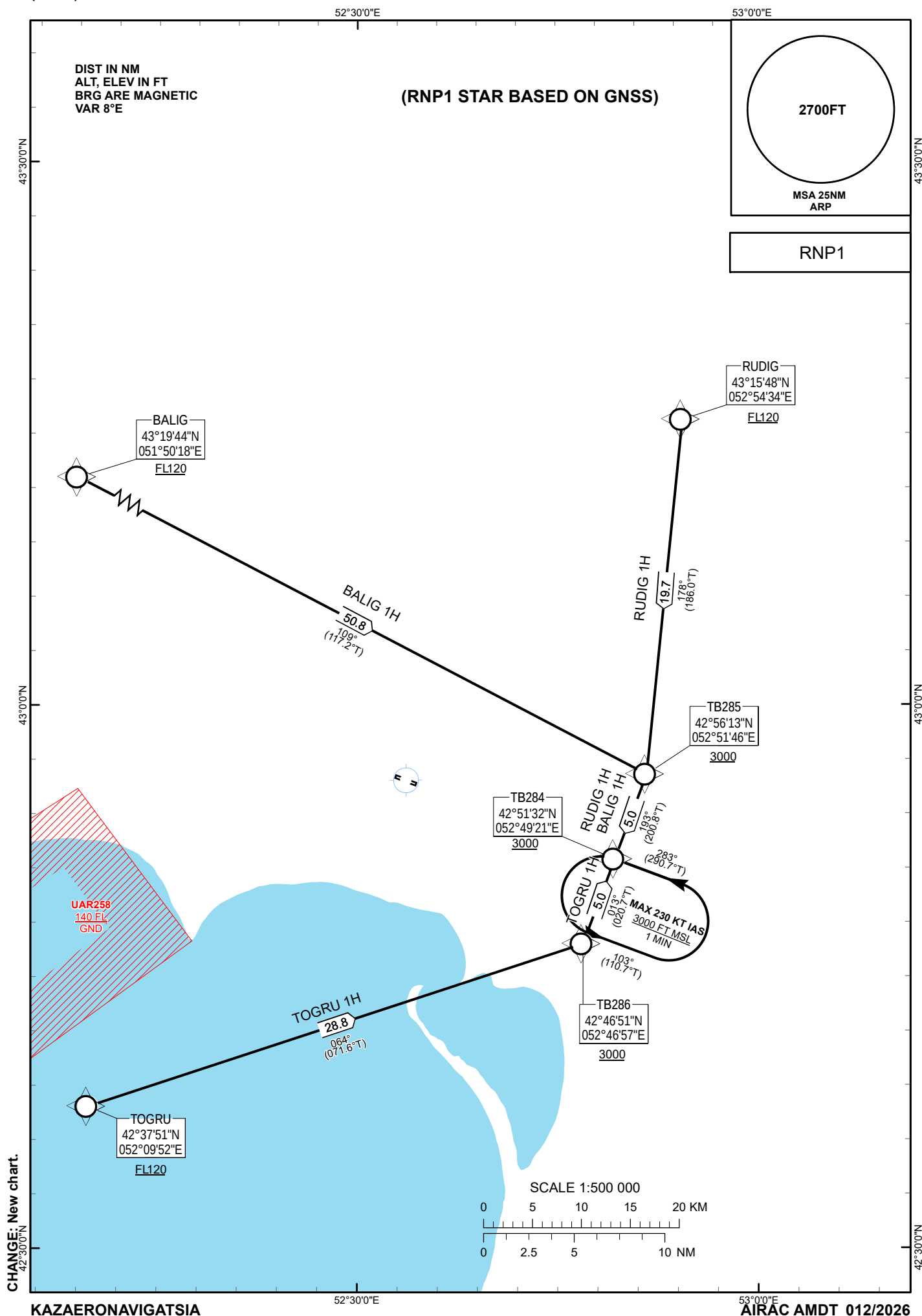
STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

TRANSITION ALTITUDE
10000 FT

KENDERLI TOWER
SEE NOTAM

BALIG 1H, RUDIG 1H, TOGRU 1H

KENDERLI
RWY 28

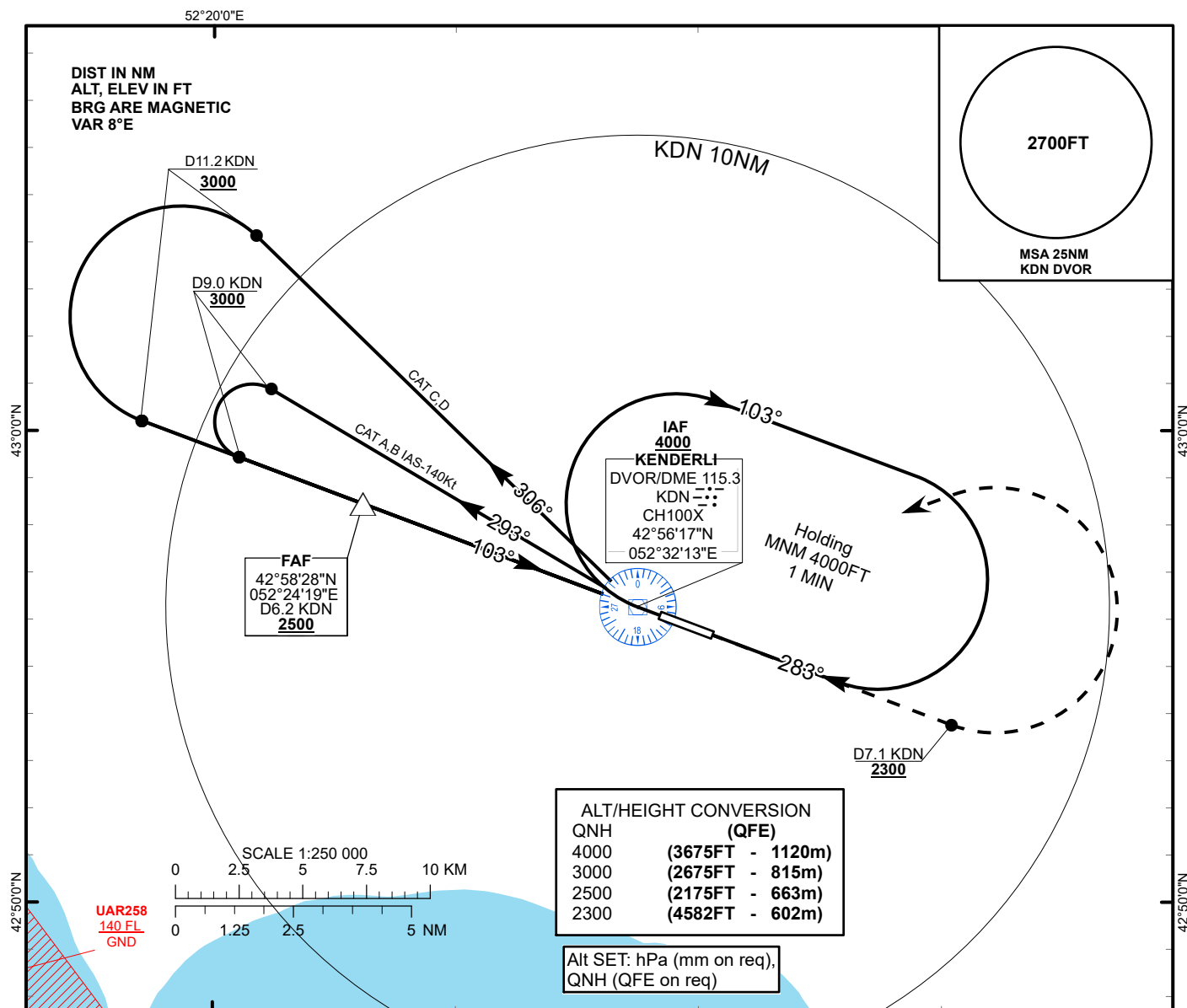


TABULAR DESCRIPTION

BALIG 1H RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	BALIG	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB285	-	109(117.2)	+7.5	50.8	-	+3000	-	-	RNP1
030	TF	TB284	-	193(200.8)	+7.5	5.0	R	+3000	-	-	RNP1
040	HM	TB284	-	283(290.7)	+7.5	-	L	+3000	-230	-	RNP1
RUDIG 1H RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	RUDIG	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB285	-	178(186.0)	+7.5	19.7	-	+3000	-	-	RNP1
030	TF	TB284	-	193(200.8)	+7.5	5.0	R	+3000	-	-	RNP1
040	HM	TB284	-	283(290.7)	+7.5	-	L	+3000	-230	-	RNP1
TOGRU 1H RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course M°(T°)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	TOGRU	-	-	+7.5	-	-	+FL120	-	-	RNP1
020	TF	TB286	-	064(071.6)	+7.5	28.8	-	+3000	-	-	RNP1
030	TF	TB284	-	013(020.7)	+7.5	5.0	L	+3000	-	-	RNP1
040	HM	TB284	-	283(290.7)	+7.5	-	L	+3000	-230	-	RNP1

WAYPOINT COORDINATES

Waypoint Identifier	Coordinates	
BALIG	431944.00N	0515018.00E
RUDIG	431548.00N	0525434.00E
TOGRU	423751.00N	0520952.00E
TB284	425131.96N	0524921.46E
TB285	425612.71N	0525146.03E
TB286	424651.16N	0524657.24E

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV **325FT**
HEIGHTS RELATED TO
AD ELEVKENDERLI TOWER
SEE NOTAMKENDERLI
VOR/DME
RWY 10

MISSED APPROACH

Climb on track 103° to 2300FT or above
outbound to D7.1 NM KDN.

Turn LEFT to KDN.

Climb initially to 4000FT,
then as directed.

RADIO FAILURE:

In the case of RCF
climb to 4000FT to KDN
and join holding pattern.Missed approach turn speed limited
to 250 Kt IAS maximum.

TRANSITION ALT 10000 FT

IAF
4000DVOR/DME
KDN
MAPtD11.2 KDN
3000FAF
D6.2 KDN
2500

PDG 5.2% (3.0°)

103°

103°

Note: NM from/to
THR RWY 1012 11.7 11 10.1 10 9 8 7 6.7 6 5 4.1 4 3 2 1 0 THR RWY 10
ELEV 325 FT

Aircraft Category	A	B	C	D
Straight-in Approach OCA/H	VOR/DME 1680(1360)	1680(1360)	1680(1360)	1680(1360)

DIST to THR	NM	6.7	6	5	4	3	2	1
DME KDN	NM	6.2	5.5	4.5	3.5	2.5	1.5	0.5
ALTITUDE	FT	2500	2290	1970	1650	1340	1020	700
HEIGHT	FT	2175	1965	1645	1325	1015	695	375

GS	Kt	80	100	120	140	160	180
Desc.Rate(5.2%)	ft/min	420	530	640	740	850	960
FAF-MAPt(6.2NM)	min:sec	5:02	4:01	3:21	2:52	2:31	2:14

CHANGE: New chart.

KENDERLI
VOR/DME RWY 10

AERONAUTICAL DATA TABULATION

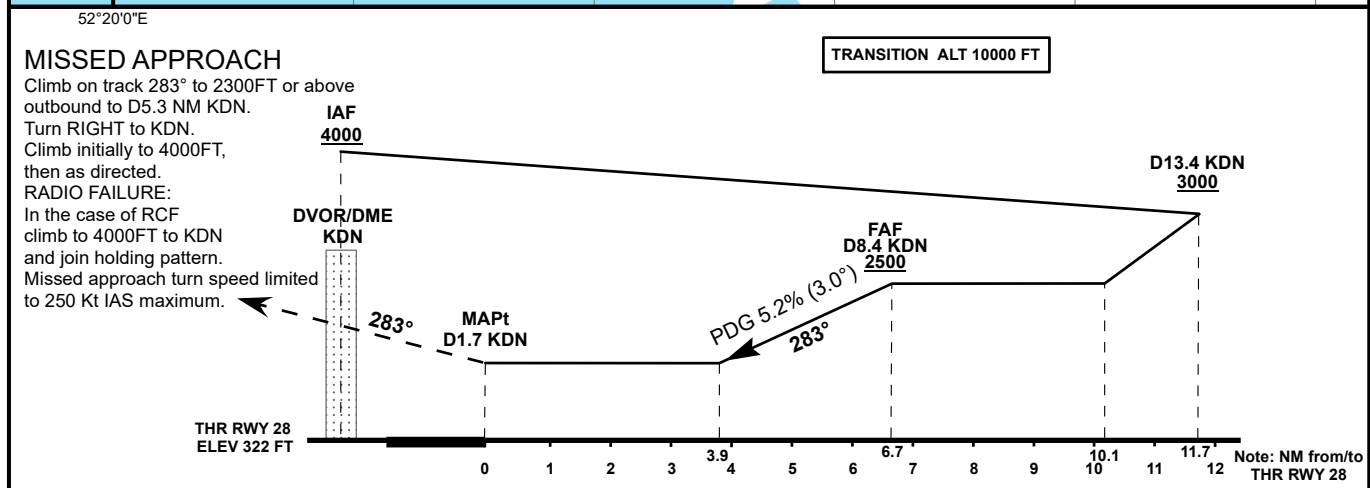
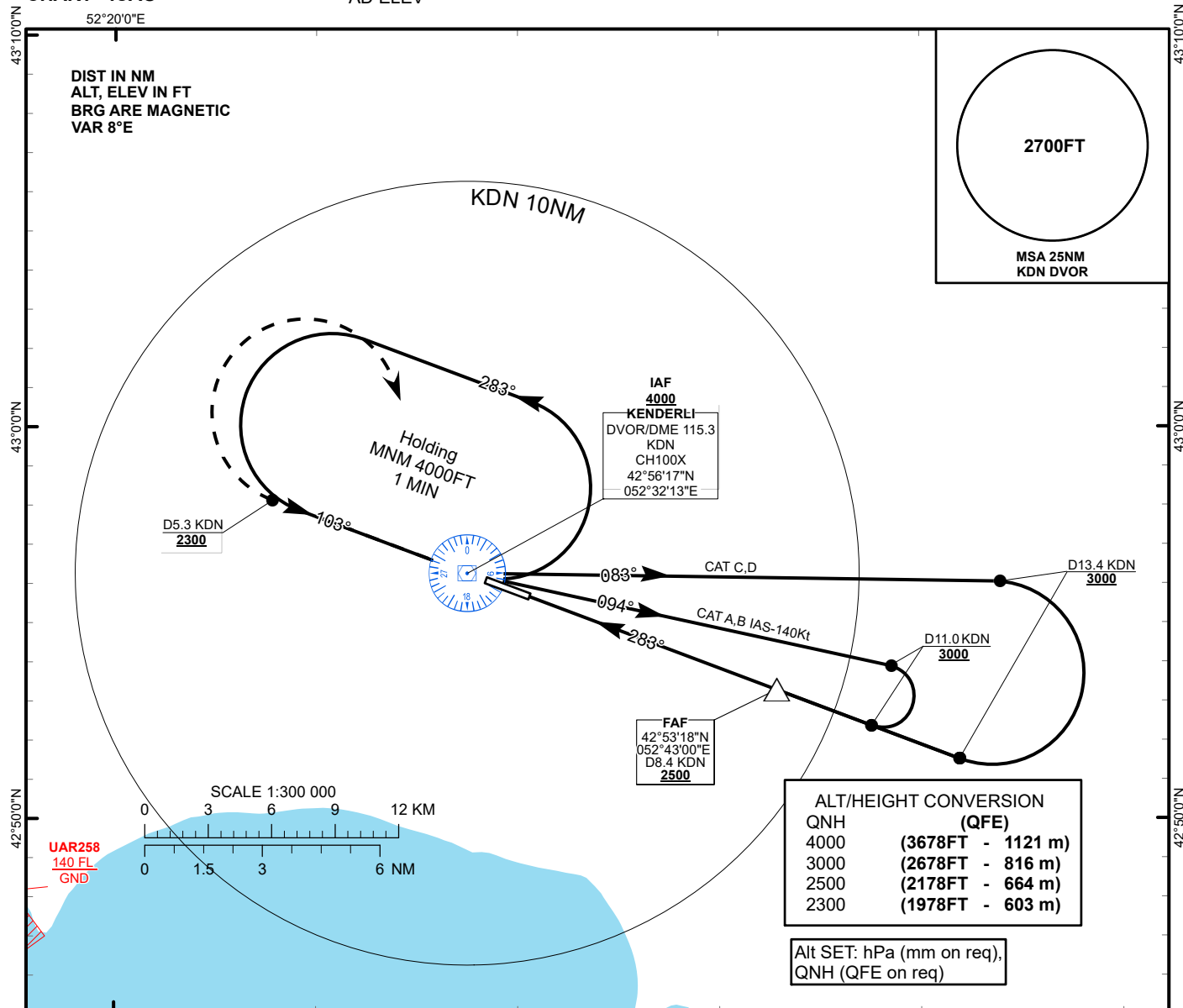
VOR approach to RWY10 from KDN DVOR/DME	
Fix/point	Coordinates
(FAF) D6.2 KDN	42° 58' 27.8"N 052° 24' 18.9"E
KDN DVOR/DME (IAF)	42° 56' 17.4"N 052° 32' 12.5"E
THR RWY10	42° 56' 06.0"N 052° 32' 53.8"E
Final approach descent angle is 3.0°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **325FT**
HEIGHTS RELATED TO
AD ELEV

KENDERLI TOWER
SEE NOTAM

KENDERLI
VOR/DME
RWY 28



Aircraft Category		A	B	C	D
Straight-in Approach OCA/H					
	VOR/DME	1620(1300)	1620(1300)	1620(1300)	1620(1300)

DIST to THR	NM	6.7	6	5	4	3	2	1
DME KDN	NM	8.4	7.7	6.7	5.7	4.7	3.7	2.7
ALTITUDE	FT	2500	2290	1970	1650	1340	1020	700
HEIGHT	FT	2178	1648	1648	1328	1018	698	378

GS	Kt	80	100	120	140	160	180
Desc.Rate(5.2%)	ft/min	420	530	630	740	850	960
FAF-MAPt(6.7NM)	min:sec	5:02	4:01	3:21	2:52	2:31	2:14

CHANGE: New chart.

AERONAUTICAL DATA TABULATION

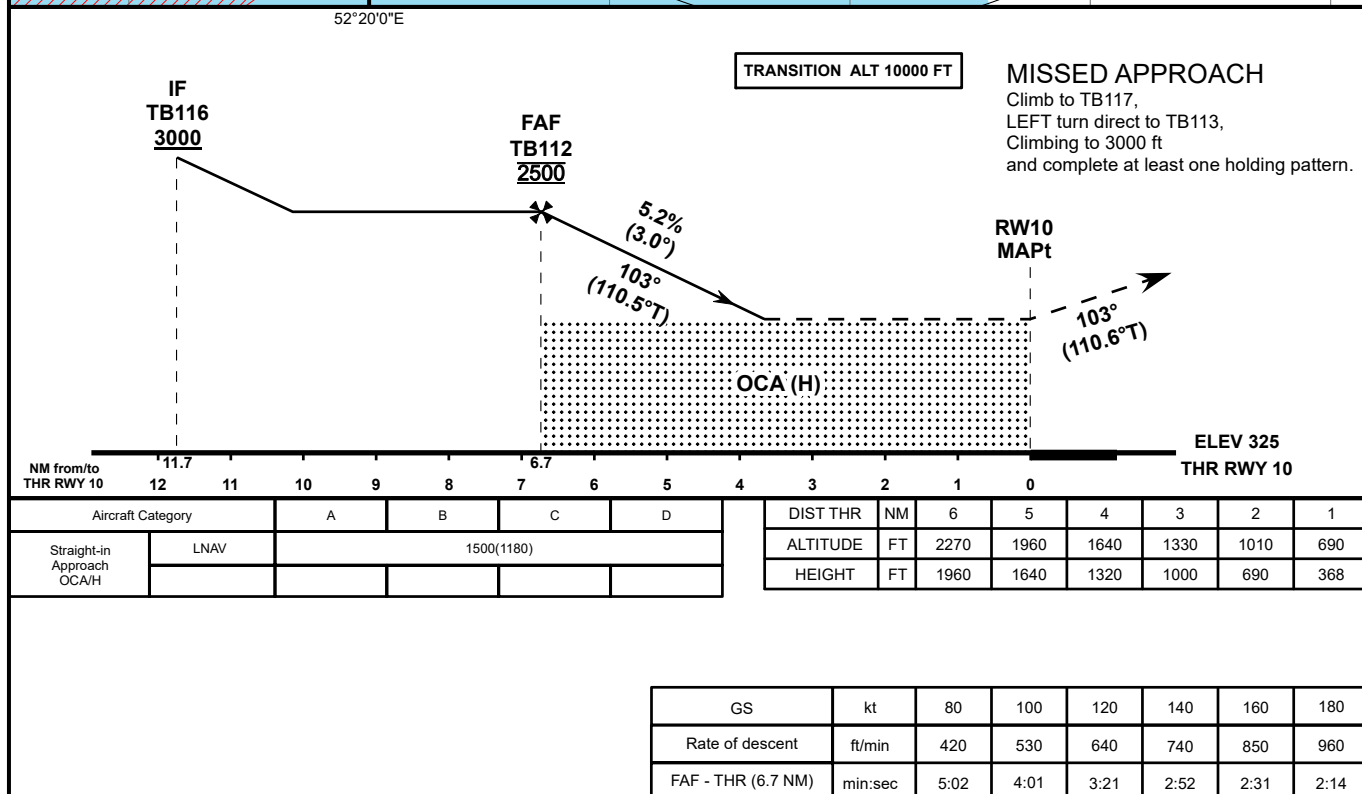
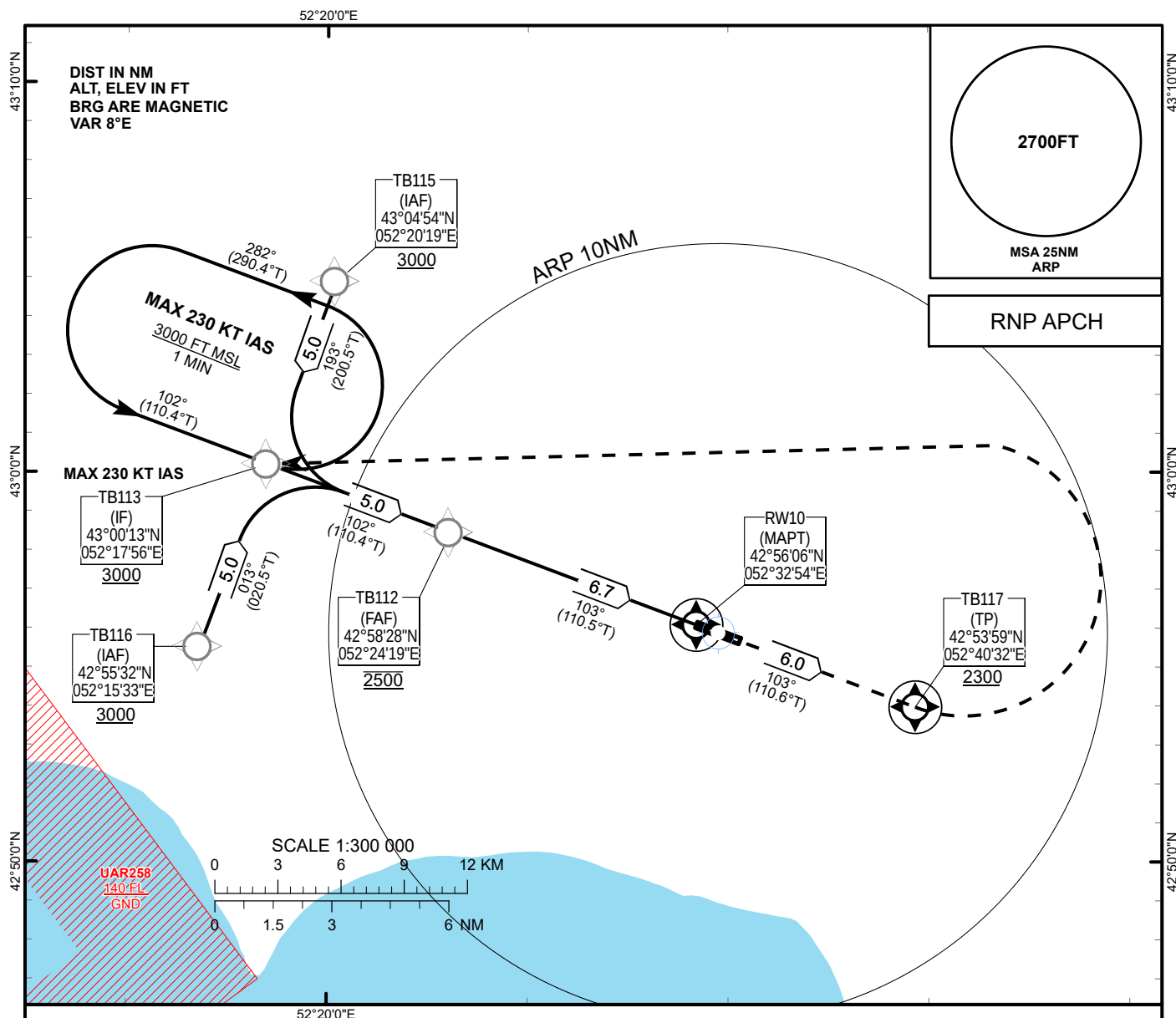
VOR approach to RWY28 from KDN DVOR/DME	
Fix/point	Coordinates
(FAF) D8.4 KDN	42° 53' 18.0"N 052° 42' 59.6"E
KDN DVOR/DME (IAF)	42° 56' 17.4"N 052° 32' 12.5"E
THR RWY28	42° 55' 40.9"N 052° 34' 24.7"E
Final approach descent angle is 3.0°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **325FT**
HEIGHTS RELATED TO
AD ELEV

KENDERLI TOWER
SEE NOTAM

KENDERLI
RNP RWY 10



CHANGE: New chart.

TABULAR DESCRIPTION

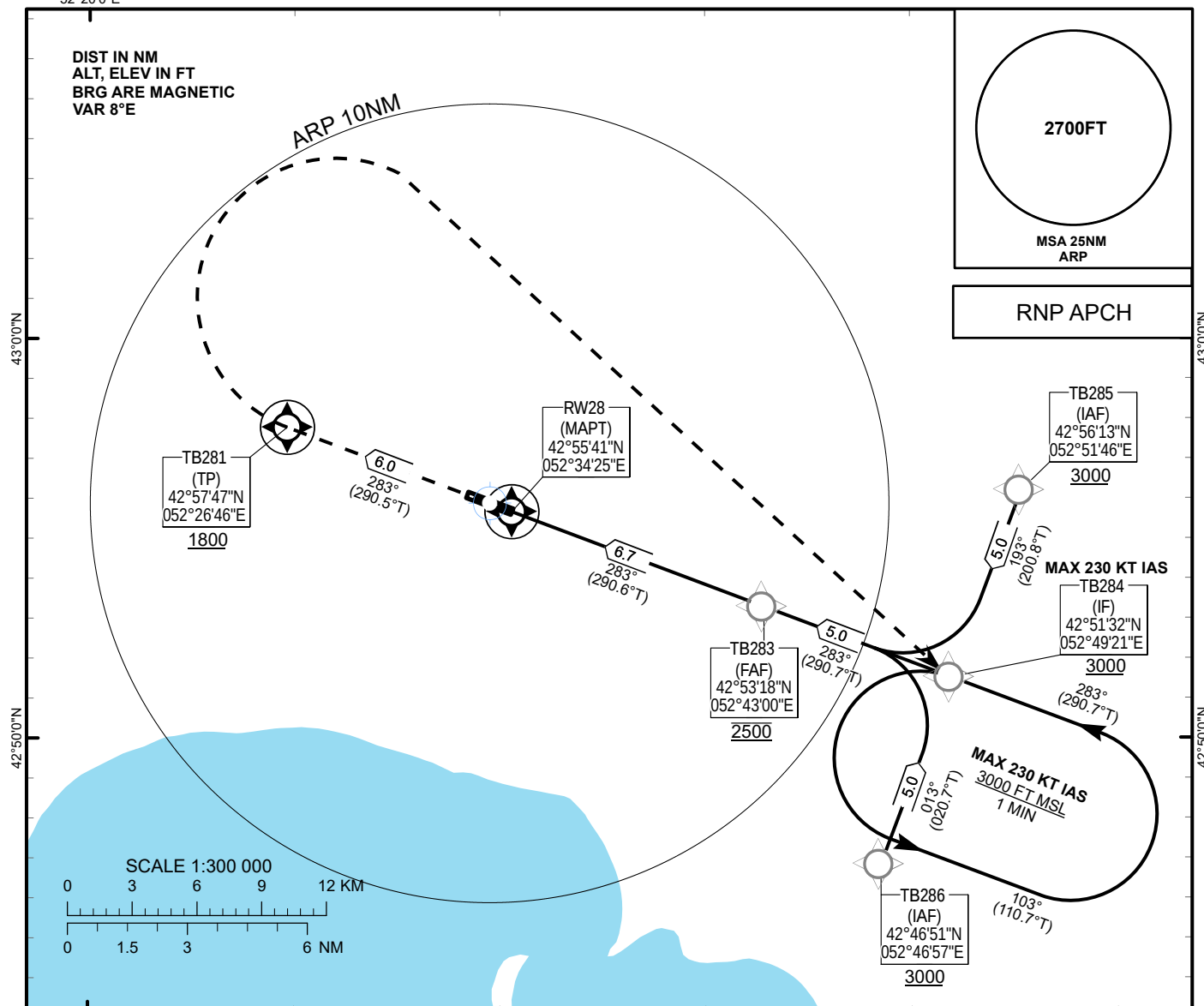
UATB RNP RWY10											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	TB116	-	-	+7.5	-	-	+3000	-	-	RNP1
020	TF	TB113	-	013(020.5)	+7.5	5.0	-	+3000	-230	-	RNP1
010	IF	TB115	-	-	+7.5	-	-	+3000	-	-	RNP1
020	TF	TB113	-	193(200.5)	+7.5	5.0	-	+3000	-230	-	RNP1
010	IF	TB113	-	-	+7.5	-	-	+3000	-	-	RNP APCH
020	TF	TB112	-	102(110.4)	+7.5	5.0	-	@2500	-	-	RNP APCH
030	TF	RW10	Y	103(110.5)	+7.5	6.7	-	@375	-	3.0/50	RNP APCH
040	CF	TB117	Y	103(110.6)	+7.5	6.0	-	+2200	-	-	RNP APCH
050	DF	TB113	-	-	+7.5	-	L	+3000	-	-	RNP APCH
060	HM	TB113	-	102(110.4)	+7.5	-	R	+3000	-230	-	RNP1

WAYPOINT COORDINATEppS

UATB RNP RWY10		
Waypoint Identifier	Coordinates	
TB112	425827.78N	0522418.85E
TB113	430012.74N	0521755.76E
RW10	425605.97N	0523253.82E
TB115	430453.93N	0522019.02E
TB116	425531.50N	0521532.85E
TB117	425358.97N	0524032.48E

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV **325FT**
HEIGHTS RELATED TO
AD ELEVKENDERLI TOWER
SEE NOTAMKENDERLI
RNP RWY 28

52°20'0"E

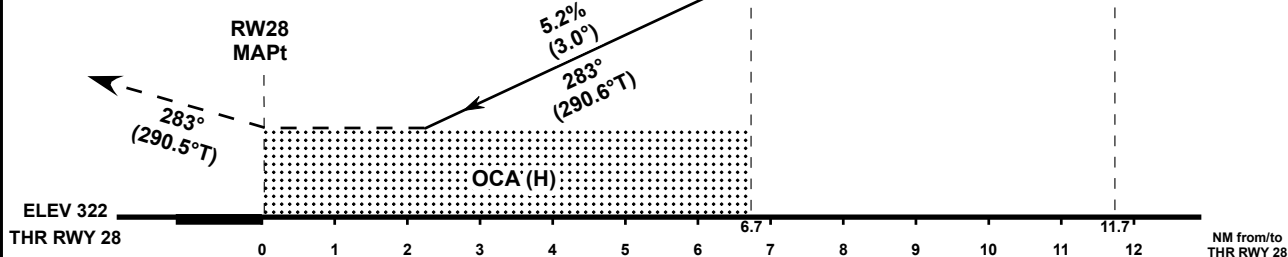


52°20'0"E

MISSED APPROACH

Climb to TB281,
RIGHT turn direct to TB284,
Climbing to 3000 ft or above
and complete at least one holding pattern.

TRANSITION ALT 10000 FT

FAF
TB283
2500IF
TB285
3000

Aircraft Category		A	B	C	D
Straight-in Approach OCA/H	LNAV	1070(740)			

DIST THR	NM	6	5	4	3	2	1
ALTITUDE	FT	2270	1960	1640	1330	1010	690
HEIGHT	FT	1948	1638	1318	998	688	368

GS	kt	80	100	120	140	160	180
Rate of descent	ft/min	420	530	640	740	850	960
FAF - THR (6.7 NM)	min:sec	5:02	4:01	3:21	2:52	2:31	2:14

CHANGE: New chart.

TABULAR DESCRIPTION

UATB RNP RWY28											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	TB285	-	-	+7.5	-	-	+3000	-	-	RNP1
020	TF	TB284	-	193(200.8)	+7.5	5.0	-	+3000	-230	-	RNP1
010	IF	TB286	-	-	+7.5	-	-	+3000	-	-	RNP1
020	TF	TB284	-	013(020.7)	+7.5	5.0	-	+3000	-230	-	RNP1
010	IF	TB284	-	-	+7.5	-	-	+3000	-	-	RNP APCH
020	TF	TB283	-	283(290.7)	+7.5	5.0	-	@2500	-	-	RNP APCH
030	TF	RW28	Y	283(290.6)	+7.5	6.7	-	@372	-	3.0/50	RNP APCH
040	CF	TB281	Y	283(290.5)	+7.5	6.0	-	+1800	-	-	RNP APCH
050	DF	TB285	-	-	+7.5	-	R	+3000	-	-	RNP APCH
060	HM	TB284	-	283(290.7)	+7.5	-	L	+3000	-230	-	RNP1

WAYPOINT COORDINATES

UATB RNP RWY28		
Waypoint Identifier	Coordinates	
TB281	425747.41N	0522645.56E
TB283	425318.24N	0524259.74E
TB284	425131.96N	0524921.46E
TB285	425612.71N	0525146.03E
TB286	424651.16N	0524657.24E
RW28	425540.92N	0523424.68E

VISUAL
APPROACH
CHART - ICAO

AERODROME ELEV 325FT
HEIGHTS RELATED TO
AD ELEV

KENDERLI TOWER
SEE NOTAM

KENDERLI

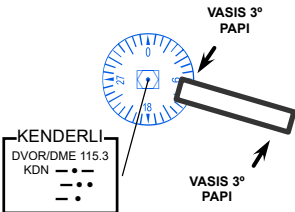
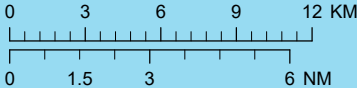
DIST IN NM
ALT, ELEV IN FT
BRG ARE MAGNETIC
VAR 8°E

KENDERLI
DVOR/DME 115.3
KDN

UAR258
140/FL
GND

CASPIAN SEA

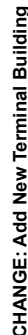
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CHANGE: New chart.

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KYZYLORDA

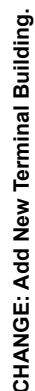


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APRON ELEV 430FT (131m)

TWR 120.9

KYZYLORDA



KYZYLORDA

STANDS CHARACTERISTICS

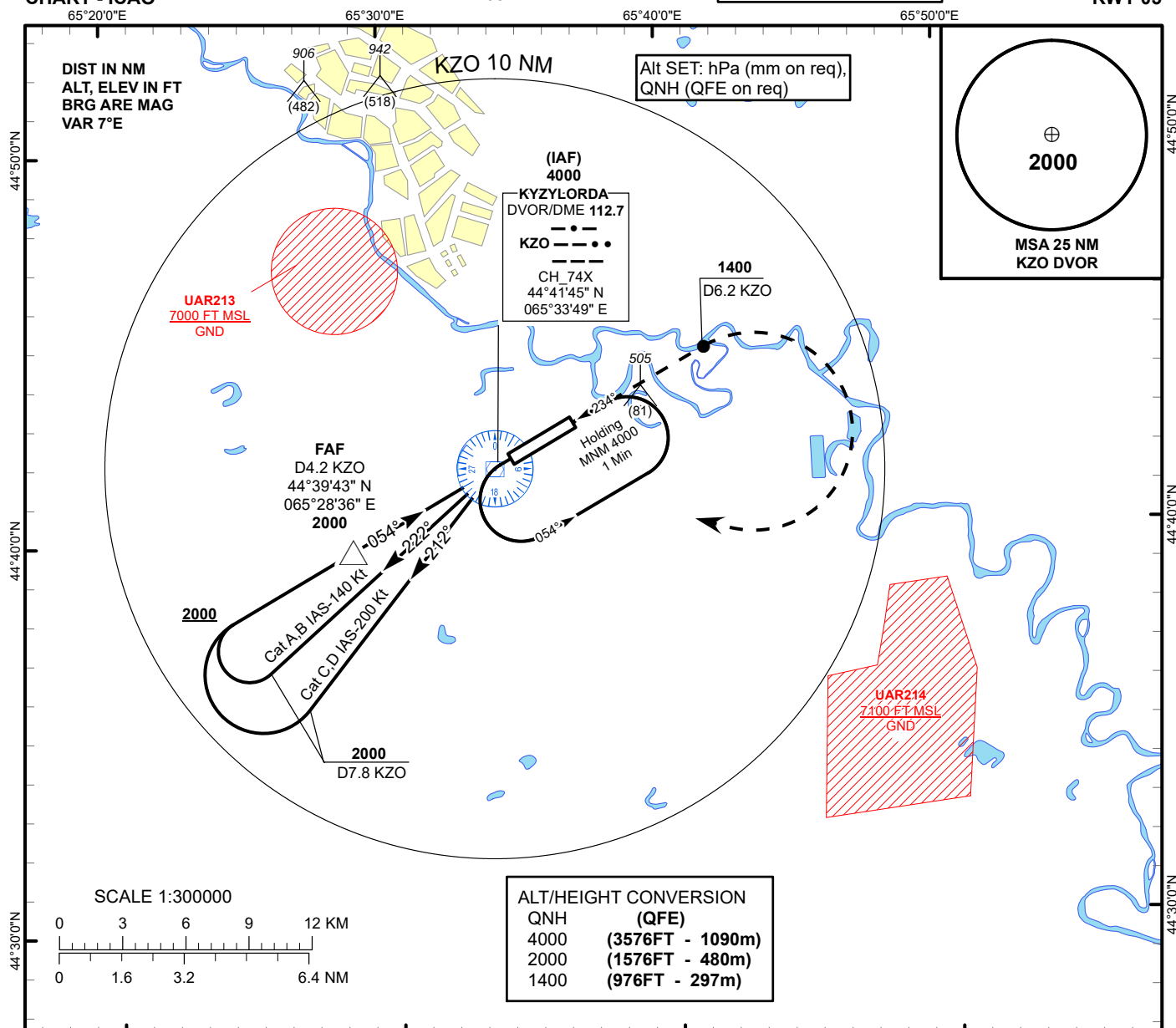
Apron	Stand	Coordinates	
		Latitude	Longitude
	1	44 42 32.21 N	065 35 13.38 E
	2	44 42 33.34 N	065 35 16.27 E
	3	44 42 34.47 N	065 35 19.16 E
	4	44 42 34.63 N	065 35 22.25 E
	5	44 42 37.53 N	065 35 27.36 E
	6	44 42 35.96 N	065 35 28.56 E
	7	44 42 41.31 N	065 35 36.88 E
	8	44 42 39.76 N	065 35 36.74 E
	9	44 42 38.83 N	065 35 34.34 E
	10	44 42 37.89 N	065 35 31.96 E

INSTRUMENT
APPROACH
CHART - ICAO

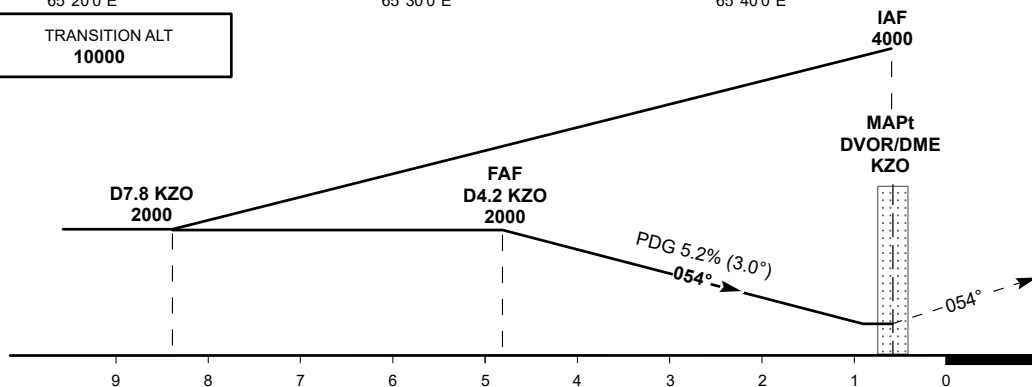
AERODROME ELEV **433 FT**
HEIGHTS RELATED TO
THR RWY 05 - ELEV **424 FT**

KYZYLORDA TOWER 120.9
KYZYLORDA ATIS (EN) 134.9
KYZYLORDA ATIS (RU) 122.9

KYZYLORDA
VOR/DME
RWY 05



TRANSITION ALT
10000



MISSED APPROACH
Climb on track 054° to 1400 or above,
outbound to D6.2 NM KZO.
Turn RIGHT to KZO.
Climb initially to 2000,
then as directed.
RADIO FAILURE: in case of RCF
climb to 4000 to KZO
and join holding pattern.
Missed approach turn speed
limited to 240 Kt IAS maximum.

Aircraft Category		A	B	C	D	DIST to THR	NM	4.8	4.0	3.0	2.0	1.0
Straight-in Approach OCA/H	VOR/DME	700(270)		700(270)		DME KZO	NM	4.2	3.4	2.4	1.4	0.4
						ALTITUDE	FT	2000	1747	1428	1110	791
						HEIGHT	FT	(1576)	(1323)	(1004)	(686)	(367)

Aerodrome Operating Minima MDH ft x RVR(CMV)	VOR/DME											
					GS	Kt	80	100	120	140	160	180
					FAF-MAPt (4.2)	min:sec	3:11	2:32	2:07	1:49	1:35	1:24
					Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950

CHANGE: Editorial.

KYZYLORDA
VOR/DME

AERONAUTICAL DATA TABULATION

VOR approach to RWY05 from KZO DVOR/DME	
Fix/point	Coordinates
KZO DVOR/DME(IAF)	44° 41' 44,9"N 065° 33' 49,3"E
(FAF) D4.2 KZO	44° 39' 42,5"N 065° 28' 36,4"E
THR RWY 05	44° 42' 01.89"N 065° 34' 32.79"E
Final approach descent angle is 3°	

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

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1,4		CONC+ASPH	PCN 51/F/C/X/T
		2,3		CONC+ASPH	PCN 32/F/C/X/T
		5		CONC+ASPH	PCN 26/F/C/Y/T
		6-8		CONC	PCN 14/R/B/X/T
		9		CONC+ASPH	PCN 28/F/C/Y/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	38	CONC+ASPH	PCN 66/F/C/X/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

UASP 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-boards 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

UASP AD 2.10 Aerodrome Obstacles

NIL

UASP AD 2.11 Meteorological Information Provided

1	Associated MET Office	Meteorological service Pavlodar Phone: +7 (7182) 491373
2	Hours of service MET Office outside hour	H24
3	Office responsible for TAF preparation: Periods of validity	Meteorological service Pavlodar, 9HR (0009, 0312, 0615, 0918, 1221, 1524, 1803, 2106)
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	Doppler weather radar (WRM-200)
9	ATS units provided with information	Briefing, TWR
10	Additional information	Nil

UASP AD 2.12 Runway Physical Characteristics

Designation s 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
03	42,66°	2500 X 45	68/F/C/X/T CONC+ASPH	521113.50N 0770339.41E - -125.7 FT	THR 382.9 FT	See AOC type A
21	222.68°	2500 X 45	68/F/C/X/T CONC+ASPH	521212.95N 0770508.58E - -125.7 FT	THR 410.4 FT	See AOC type A

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	150 X 160	2800 X 300	90 X 150	Nil	Nil	RWY 03 turn pad: length 100 m, width 75 m.
Nil	300 X 160	2800 X 300	90 X 150	Nil	Nil	RWY 21 turn pad: length 100 m, width 75 m.

UASP AD 2.22 Flight Procedures

1. Flight and ground movement procedures.

There are no deviations from the requirements and flight rules operating in the territory of the Republic of Kazakhstan.

Take-off not from the runway beginning shall be performed upon flight crew request, if according to the flight crew's calculations, the available runway length, depending on the actual take-off weight of the aircraft and take-off conditions, corresponds to the required length. Pilot-in-command is responsible for this decision. Tailwind take-off and landing in regard of braking action coefficient is permitted, if the tailwind speed component comply with the standards established by the Flight Operations Manual for each aircraft type.

Movement of aircraft on the aerodrome shall be carried out by taxiing or towing by special vehicles. Taxiing and towing shall be carried out along centerlines of runway, taxiways and stands. Taxiing from/into the stands is performed by the signals of the responsible person in charge of the aircraft operational maintenance area. Taxiing of aircraft, as well as the placement of aircraft on the apron and stands shall be carried out by the engineering and technical personnel of the Aviation Engineering Service in accordance with the instructions of the Operation and Dispatch Service, in conformity with the inflicted markings on the aerodrome pavement, as provided by the ground movement chart. Taxiing (towing) shall be carried out by the clearance of "Tower" air traffic controller. The pilot-in-command depending on the taxiway conditions, obstacles presence, aircraft weight, taxiing conditions, selects taxiing speed. In all cases, it must not exceed the speed established by the Flight Crew Operational Manual.

Helicopter taxiing shall be carried out with regard of limitations to the wind, according to the Flight Operational manual, with constant visibility of landmarks located in front. Pilot-in-command is responsible for taxiing rules compliance; the person in charge of taxiing in the assigned area is responsible for the safety of taxiing.

Heliport pad is not available. Helicopter take-off and landing area located over the ARP. Helicopter take-off and landing shall be carried out from the runway. Helicopter take-off and landing in the sector 260°-360° from ARP is prohibited. Helicopter take-off and landing equipped with a skid landing gear is allowed from stands №5, №6, №9 with observance of safety distance between the main rotor blades and aircraft on the stand (not less than two main rotor diameter). Helicopter landing at the designated stands is permitted by the clearance of the "Tower" air traffic controller in coordination with the Operation and Dispatch Service.

The movement of all types of special vehicles at the airport shall be carried out along the marked routes only, according to the "Aircraft, special vehicles and mechanical equipment placement and movement chart".

2. Low Visibility Procedures.

Low Visibility Procedures (LVP) are applied when RVR is less than 550 m, when all the manoeuvring area or part of it is not controlled visually from the "Tower" control centre.

Low Visibility Procedures are initiated by the Air traffic Manager (Tower ATC) after received information from the meteorological service about the RVR values less than 550 m.

Air traffic controller "Tower" should report when the Low Visibility Procedures are in force by the phrase: "LOW VISIBILITY PROCEDURES IN OPERATION". The air traffic controller "Tower" informs flight crew about any changes in the operational radio status and lighting equipment, also, restricts the movement of airport service vehicles on the aprons and manoeuvring area during Low Visibility Procedures.

Aircraft should follow after the "Follow-me car" equipped with lighting equipment from the established point to the stand upon arrival and from the stand to the established point upon departure. Air Traffic Controller "Tower" monitors aircraft movement along the taxi route by the visual observing within the visibility limits, according to the reports of crew and aerodrome service specialist reports.

RWY 03/21 Take-off and Landing prohibited if RVR less than 1200m.

3. 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 3000 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 900 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	ALPHA (Northern side of Berezhovka)	N523133 E0765528	333° 20.0 nm PVL DVOR/DME	Exit
2	BRAVO (SW side of Efremovka, A-17 Highway)	N523053 E0771848	015° 20.0 nm PVL DVOR/DME	Entry/exit
3	CHARLIE (A-18 highway, railroad)	N522325 E0773305	048° 20.0 nm PVL DVOR/DME	Entry/exit
4	DELTA (SE outskirts of Novoyamyshevo, M-38 highway)	N515456 E0772051	143° 20.0 nm PVL DVOR/DME	Exit
5	ECHO (Western outskirts of Donentayev)	N515237 E0770445	173° 20.0 nm PVL DVOR/DME	Entry
6	FOXTROT (NE side of Bolshoy Kalkaman lake)	N520333 E0763645	234° 20.0 nm PVL DVOR/DME	Exit
7	GOLF (A-18 highway, railroad)	N520916 E0763339	252° 20.0 nm PVL DVOR/DME	Entry
8	HOTEL (southern side of Kyzylzhar)	N522538 E0764101	302° 20.0 nm PVL DVOR/DME	Entry
9	INDIA (Western side of Muyaldy)	N522341 E0770258	342° 11.2 nm PVL DVOR/DME	Exit
10	JULIET (Northern outskirts of Shandy)	N522043 E0771455	026° 9.9 nm PVL DVOR/DME	Entry/exit/ holding (circle and absolute altitudes by "Tower" ATC instructions)
11	KILO (Northern outskirts of Birlik)	N520726 E0770518	174° 5.2 nm PVL DVOR/DME	Exit

No	Waypoint name (visual reference)	Geographical coordinates	Radial (mag.) and distance from NAVAID (ARP)	Remarks
12	PAPA (SE outskirts of Aksu)	N520144 E0765742	195° 11.9 nm PVL DVOR/DME	Entry, holding (circle and absolute altitudes by "Tower" ATC instructions)
13	LIMA (Northern outskirts of Aksu)	N520859 E0765105	239° 9.7 nm PVL DVOR/DME	Exit
14	MIKE (NW outskirts of Karabay)	N521036 E0765029	249° 9.6 nm PVL DVOR/DME	Entry, holding (circle and absolute altitudes by "Tower" ATC instructions)
15	NOVEMBER (Western outskirts of Leninskiy)	N521359 E0764416	267° 13.3 nm PVL DVOR/DME	Entry, holding (circle and absolute altitudes by "Tower" ATC instructions)

UASP 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. The bird aggregations in the vicinity of the airport

Intensive flights of flocks of gulls, starlings, ducks, crows, pigeons, etc. occur daily in the morning (23.00 - 03.00) and evening (10.00 - 02.00) hours. The altitude of the bird flights varies from 0 to 400 m. above ground level.

The main directions of bird migration in spring are from the south-west to the north-east, in autumn in the opposite direction.

As required, the aerodrome control unit inform pilots of such bird migration and approximate heights above ground level.

Measures to disperse of the bird aggregations include periodic scaring of birds, effective measures against the garbage, removal of green spaces, as well as the installation of scaring objects (silhouettes of hunters, sparkling balls, "scaring eyes", etc).

UASP AD 2.24 Charts Related To An Aerodrome

Name	Page
Aerodrome Chart ICAO	UASP AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart ICAO	UASP AD 2.24.3-1
Aerodrome Obstacle Chart – ICAO – Type A	UASP AD 2.24.4-1
Standard Departure Chart Instrument (SID) - RWY 03 ICAO	UASP AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) - RWY 21 ICAO	UASP AD 2.24.7-2-1
Standard Arrival Chart Instrument (STAR) - RWY 03 ICAO	UASP AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) - RWY 21 ICAO	UASP AD 2.24.9-2-1
ATC Surveillance Minimum Altitude Chart - ICAO	UASP AD 2.24.10-1
Instrument Approach Chart - ILS/DME - Y RWY 21 ICAO	UASP AD 2.24.11-1-1
Instrument Approach Chart - ILS/DME - Z RWY 21 ICAO	UASP AD 2.24.11-2-1
Instrument Approach Chart - VOR/DME - Y RWY 03 ICAO	UASP AD 2.24.11-3-1
Instrument Approach Chart - VOR/DME - Z RWY 03 ICAO	UASP AD 2.24.11-4-1
Instrument Approach Chart - VOR/DME RWY 21 ICAO	UASP AD 2.24.11-5-1
Visual Approach chart – ICAO	UASP AD 2.24.12-1
VFR Departure/Arrival Chart	UASP AD 2.24.14-1

UASP AD 2.25 Visual segment surface (VSS) penetrations

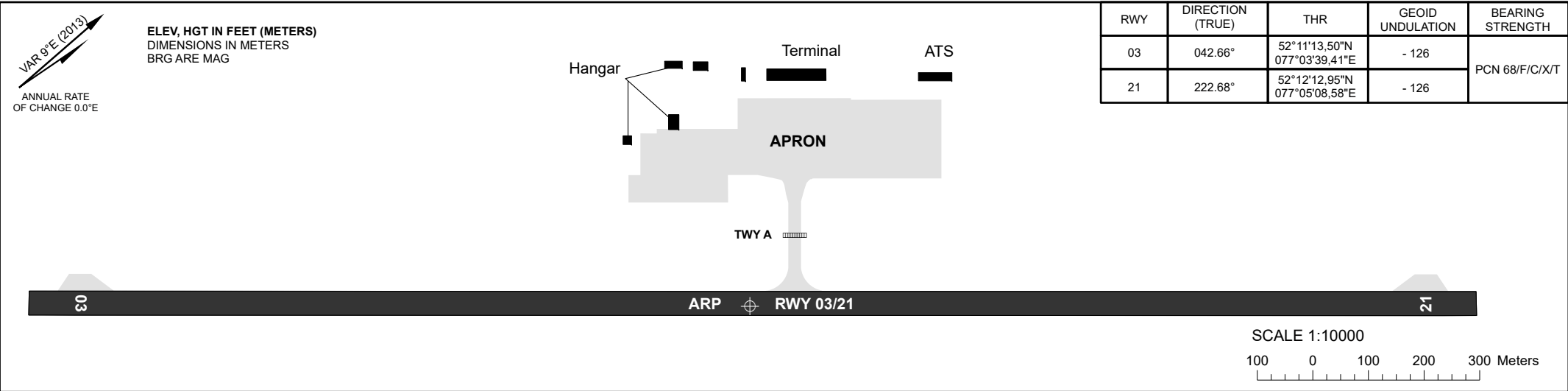
No	Coordinates/Type	Elevation (ft)	Penetration (ft)	Instrument approach procedure
1	521109.49N 0770320.06E / (Tree)	447	33.8	VOR/DME RWY Z 03 VOR/DME RWY Y 03
2	521056.63N 0770326.34E / (Tree)	434	0.8	

AERODROME GROUND MOVEMENT
AND PARKING CHART - ICAO

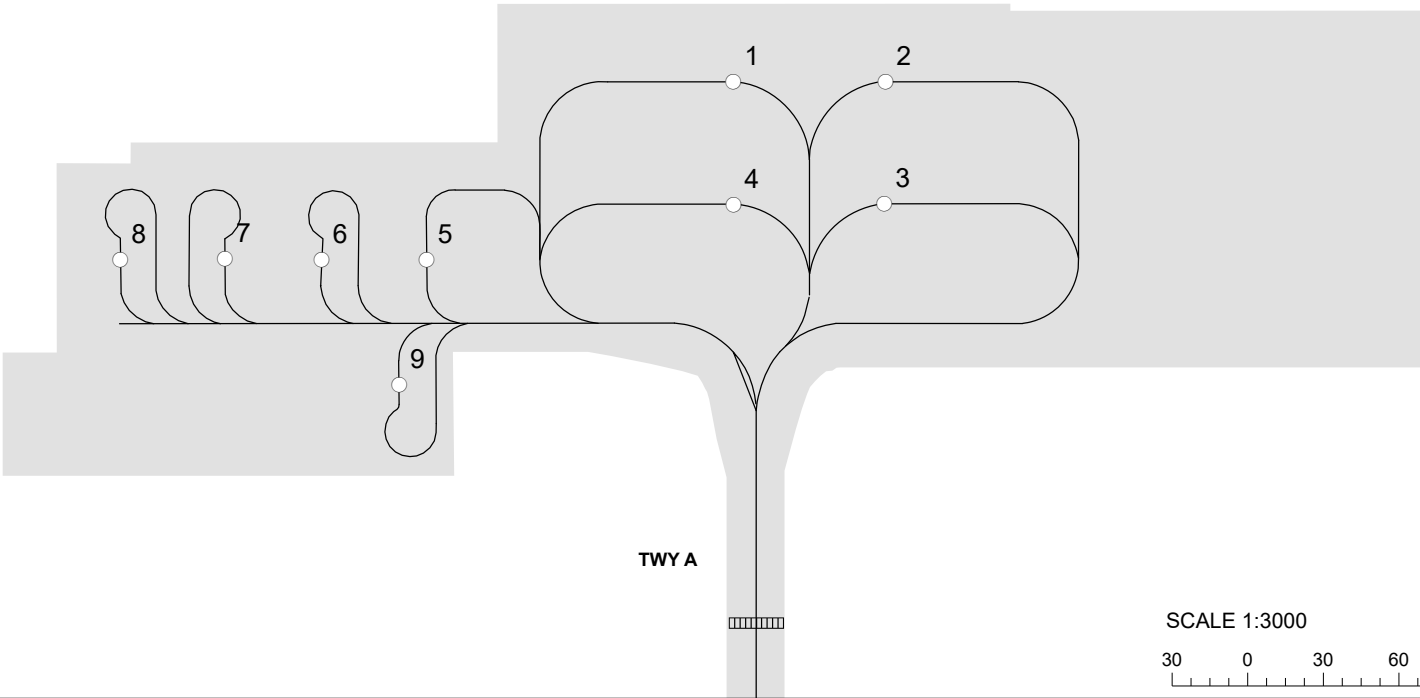
APRON ELEV 404FT (123m)

TWR 119.8

PAVLODAR



APRON	STAND	SURFACE	BEARING STRENGTH
	1, 4	CONC+ASPH	PCN 51/F/C/X/T
	2, 3	CONC+ASPH	PCN 32/F/C/X/T
	5	CONC+ASPH	PCN 26/F/C/Y/T
	9	CONC+ASPH	PCN 28/F/C/Y/T
	6-8	CONC	PCN 14/R/B/X/T
TWY	WIDTH	SURFACE	BEARING STRENGTH
A	38m	CONC+ASPH	PCN 66/F/C/X/T



CHANGE: TWY A PCN.

PAVLODAR

STANDS CHARACTERISTICS

Apron	Stand	Coordinates	
		Latitude	Longitude
	1	52 11 52.20 N	077 04 13.28 E
	2	52 11 53.64 N	077 04 15.43 E
	3	52 11 52.57 N	077 04 17.29 E
	4	52 11 51.14 N	077 04 15.16 E
	5	52 11 47.76 N	077 04 11.67 E
	6	52 11 46.77 N	077 04 10.18 E
	7	52 11 45.86 N	077 04 08.81 E
	8	52 11 44.87 N	077 04 07.33 E
	9	52 11 46.41 N	077 04 13.21 E



UASS AD 2

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

UASS AD 2.1 Aerodrome Location Indicator And Name

UASS - SEMEY

UASS AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	502106N 0801402E At the centre of RWY
2	Direction and distance from (city)	190°, 3.3 NM from Semey center
3	Elevation/Reference temperature	759 FT/27° C
4	Geoid undulation at AD ELEV PSN	-145 FT
5	MAG VAR/Annual Change	7° E (2025) / 0.03°
6	AD Administration, address, telephone, telefax, telex, AFS	Post: Authority of Airport JSC "Semey International Airport" 071410 Semey, Republic of Kazakhstan Phone: +7 (7222) 360033 Phone: +7 (7222) 443951 Fax: +7 (7222) 360033 AFS: UASSAPDU AFS: UASSAPZT Email: airportsemey@mail.ru
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UASS AD 2.3 Operational Hours

1	AD Operator	See NOTAM Phone: +7 (7222) 360033
2	Customs and immigration	AVBL
3	Health and sanitation	As AD Phone: +7 (7222) 360033
4	AIS Briefing Office	ANY 03:00 - 13:00 UTC
5	ATS Reporting Office (ARO)	ANY 00:30 - 14:00 UTC Phone: +7 (7222) 569134 AFS: UASSZTZX
6	MET Briefing Office	ANY 00:30 - 14:00 UTC Phone: +7 (7222) 565117 Fax: +7 (7222) 565117 AFS: UASSYMYX
7	ATS	See NOTAM Phone: +7 (7222) 569034
8	Fuelling	As AD Phone: +7 (7222) 443951

9	Handling	As AD Phone: +7 (7222) 443951
10	Security	H24 Phone: +7 (7222) 363702
11	De-icing	As AD Phone: +7 (7222) 443951
12	Remarks	Another time by request

UASS AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	Nil
2	Fuel/oil types	TS, RT/Nil
3	Fuelling facilities/capacity	AVBL without limitation
4	De-icing facilities	AVBL
5	Hangar space for visiting aircraft	NOT AVBL
6	Repair facilities for visiting aircraft	Minor repairs in the engineering and aviation service
7	Remarks	Nil

UASS AD 2.5 Passenger Facilities

1	Hotels	In the city Semey
2	Restaurants	Available at the airport
3	Transportation	Buses, taxis
4	Medical facilities	Aid post at Airport Terminal, ambulance service, hospitals in Semey
5	Bank and Post Office	In the city Semey, ATMs at the airport
6	Tourist Office	In the city Semey
7	Remarks	Nil

UASS AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A6
2	Rescue equipment	AVBL
3	Capability for removal of disabled aircraft	AVBL: Up to 90 tons Phone: +7 (7222) 443951
4	Remarks	Nil

UASS AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	2 wide snow plow, 1 rotor, 1 loader, 2 tractor
2	Clearance priorities	1. RWY 2. TWY A 3. Stands
3	Remarks	Nil

**AIP
KAZAKHSTAN**

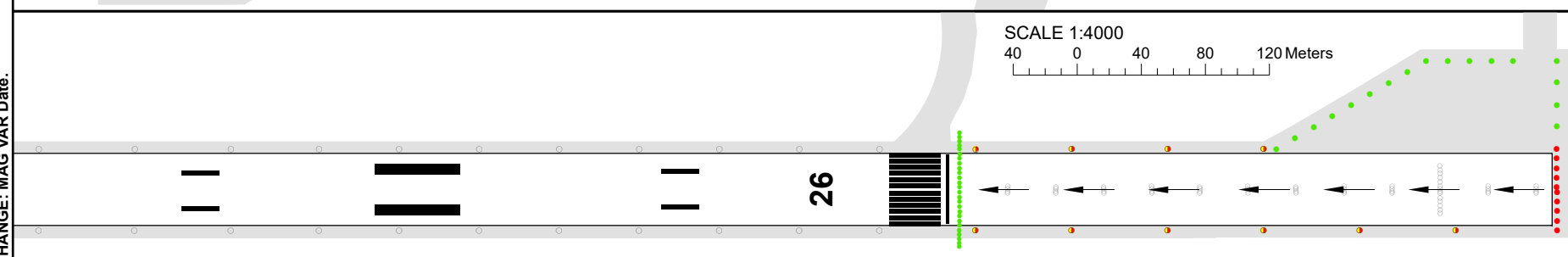
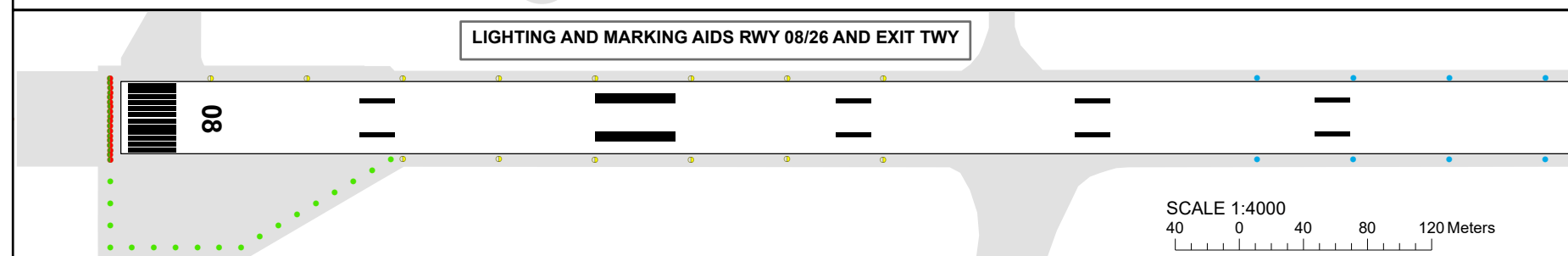
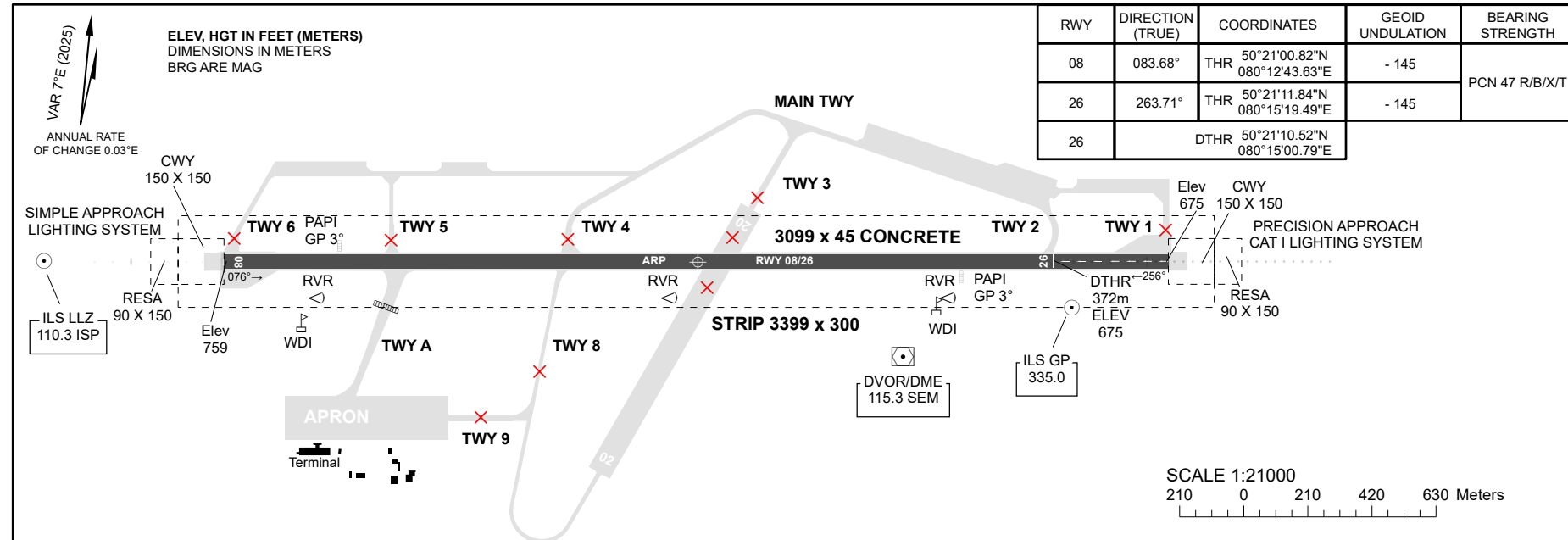
UASS AD 2.24.1 - 1
26 NOV 2026

AERODROME CHART - ICAO

**AD ELEV
759FT (231m)**

ARP 502106N
0801402E

TWR 128.0

SEMEY

CHANGE: MAG VAR Date.

Kazaeronavigatsia

AIRAC AMDT 012/2026

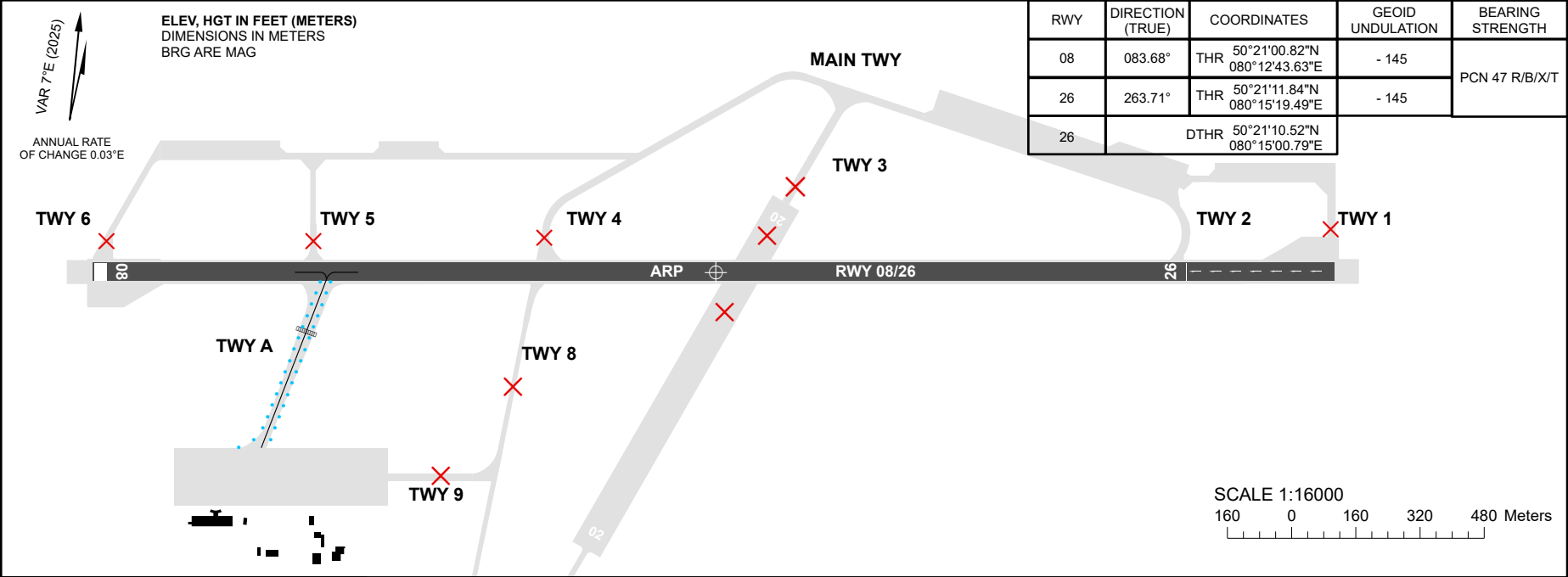
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AERODROME GROUND MOVEMENT
AND PARKING CHART - ICAO

APRON ELEV 728FT (222m)

TWR 128.0

SEMEY



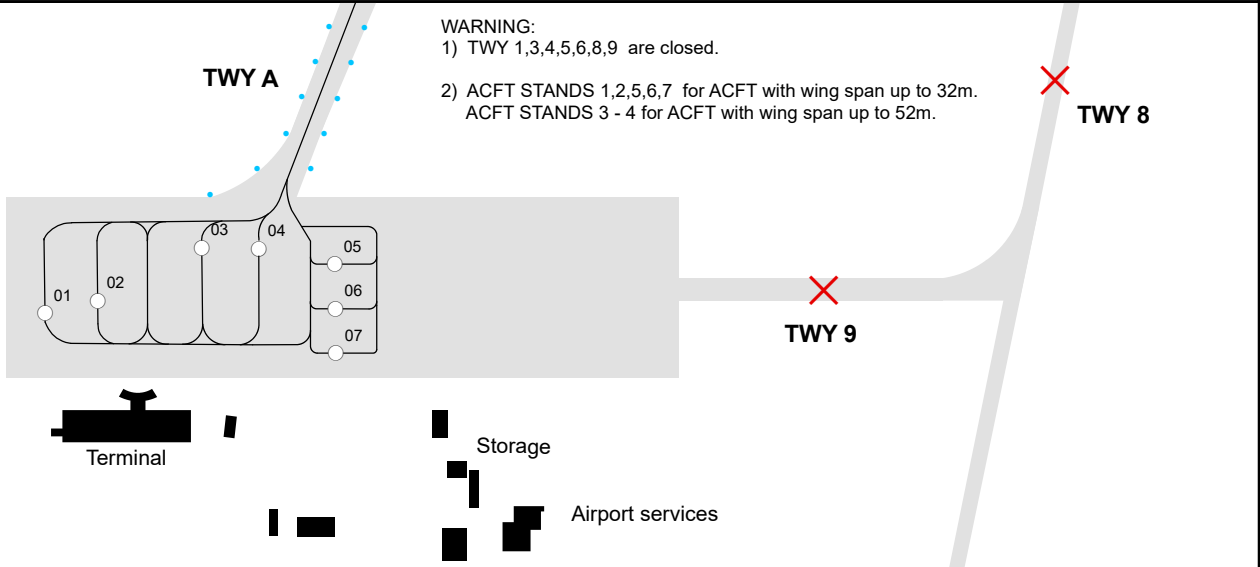
STAND	SURFACE	BEARING STRENGTH
1 - 2	REINFORCED CONC	PCN 17/R/B/X/T
3 - 4	ASPH/CONC	PCN 45/R/B/X/T
5, 6, 7	ASPH/CONC	PCN 14/F/C/Y/T

TWY	WIDTH	SURFACE	BEARING STRENGTH
1	18m	ASPH/CONC	PCN 19/F/C/Y/T
2	22m		
3 - 6	18m	CONC	NIL
A	23m	ASPH/CONC	PCN 45/R/B/X/T
8	16m		PCN 19/F/C/Y/T
9	18m		

WARNING:

1) TWY 1,3,4,5,6,8,9 are closed.

2) ACFT STANDS 1,2,5,6,7 for ACFT with wing span up to 32m.
ACFT STANDS 3 - 4 for ACFT with wing span up to 52m.



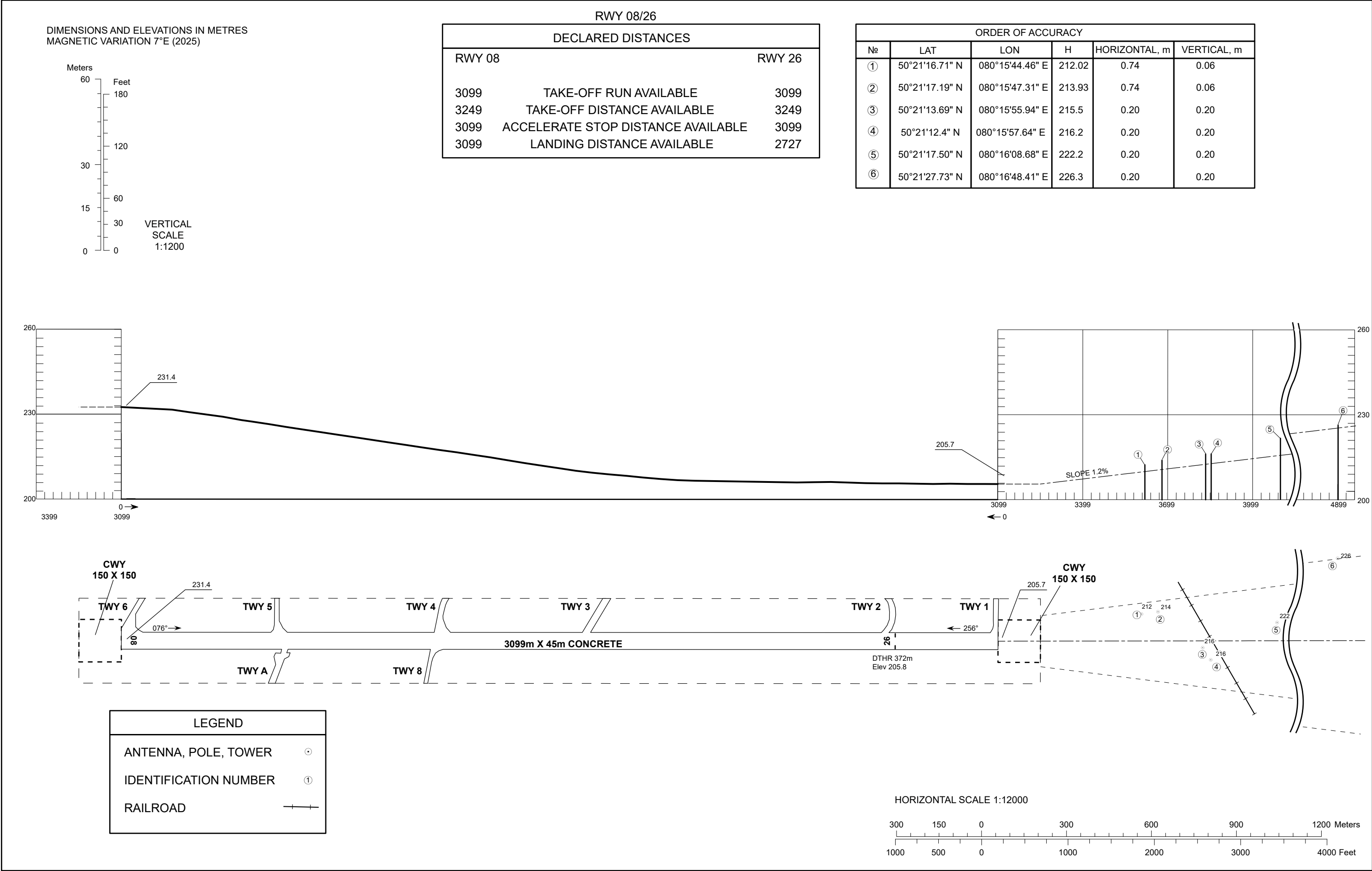
SEMEY

STANDS CHARACTERISTICS

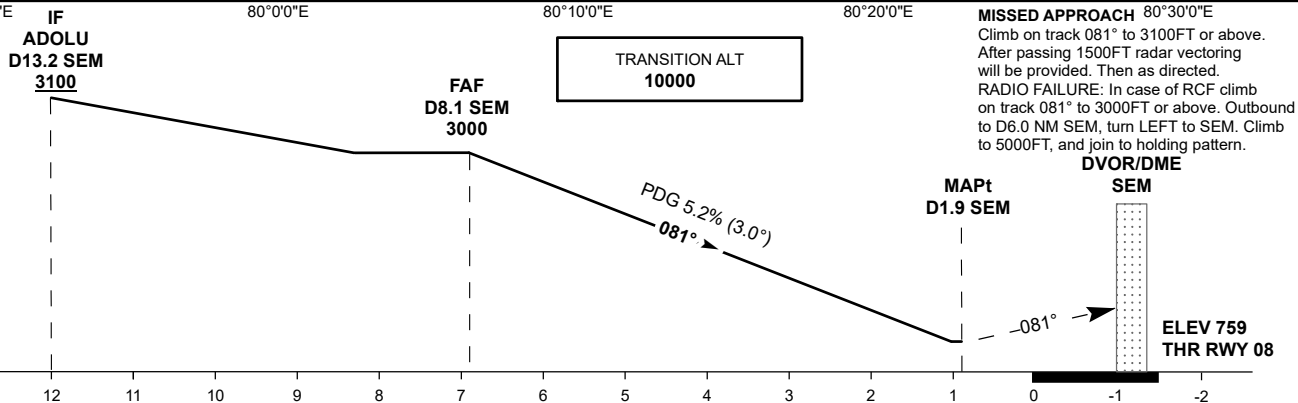
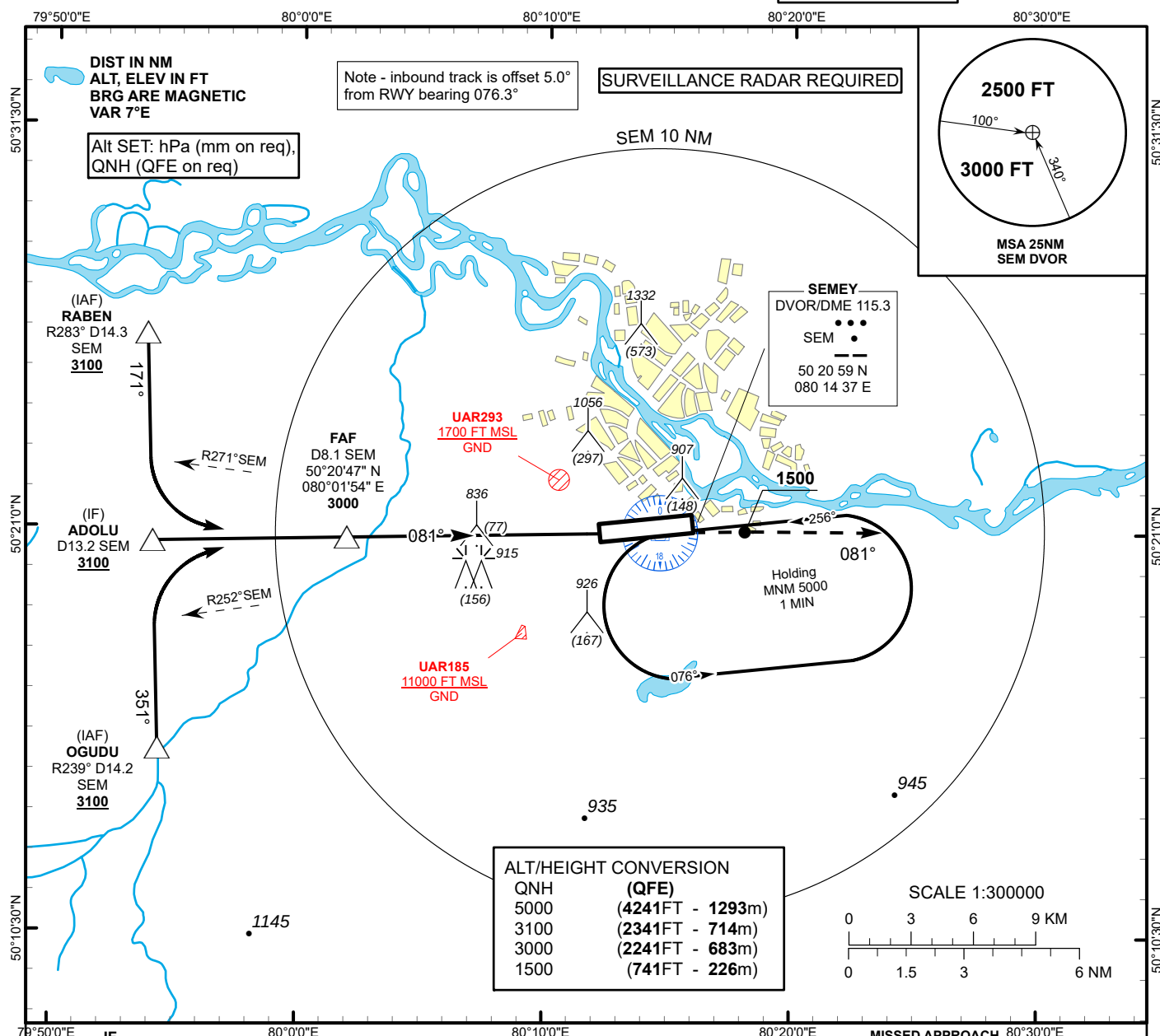
Apron	Stand	Coordinates	
		Latitude	Longitude
	1	50 20 44.55 N	080 12 58.47 E
	2	50 20 45.02 N	080 13 00.52 E
	3	50 20 46.66 N	080 13 04.44 E
	4	50 20 46.81 N	080 13 06.72 E
	5	50 20 46.65 N	080 13 10.35 E
	6	50 20 45.52 N	080 13 10.55 E
	7	50 20 44.54 N	080 13 10.85 E

AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

SEMEY



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INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 759 FT
HEIGHTS RELATED TO
AD ELEVSEMEY TOWER 128.0
SEMEY ATIS (EN) 118.5
SEMEY ATIS (RU) 122.4SEMEY
VOR/DME Y
RWY 08

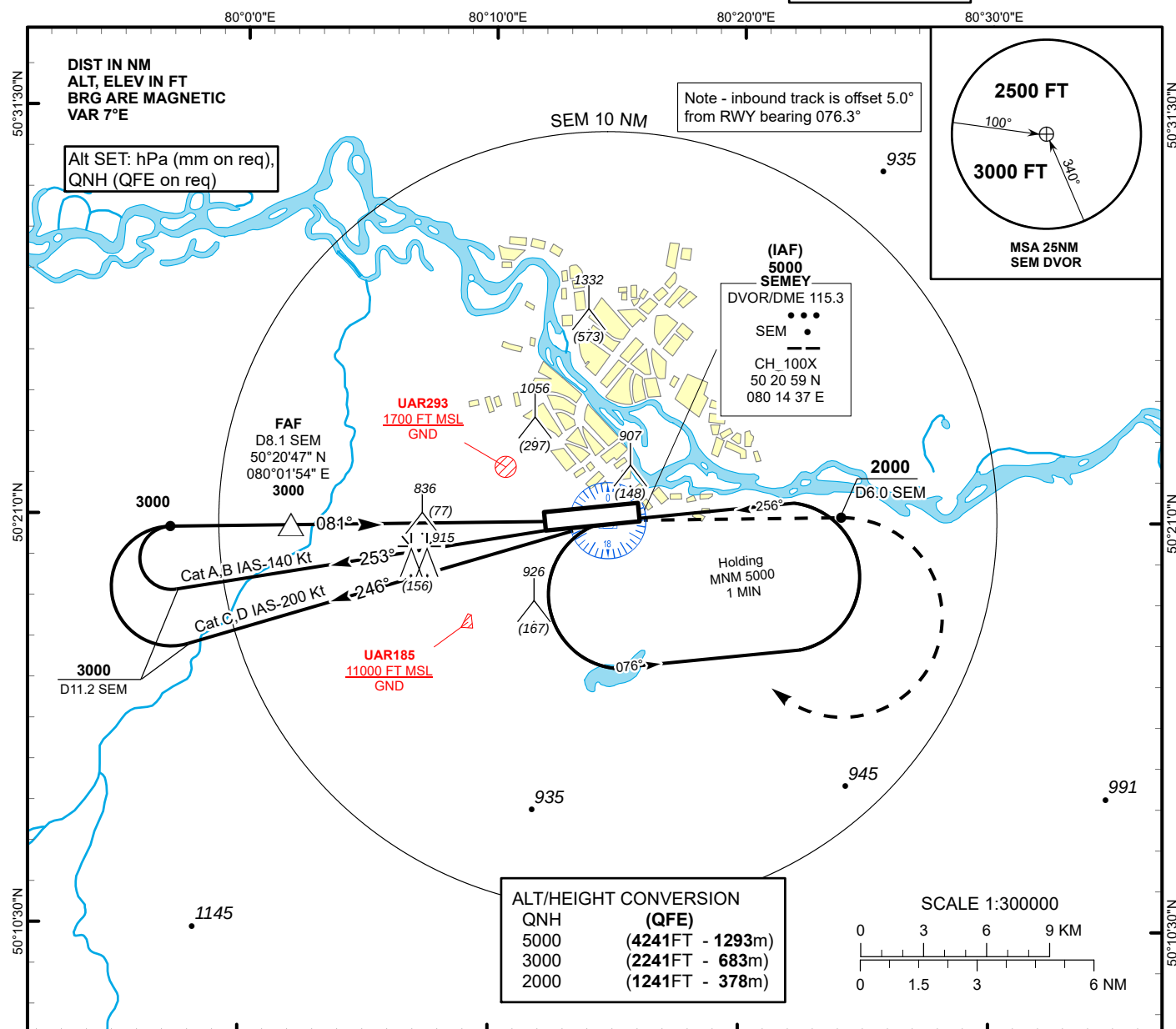
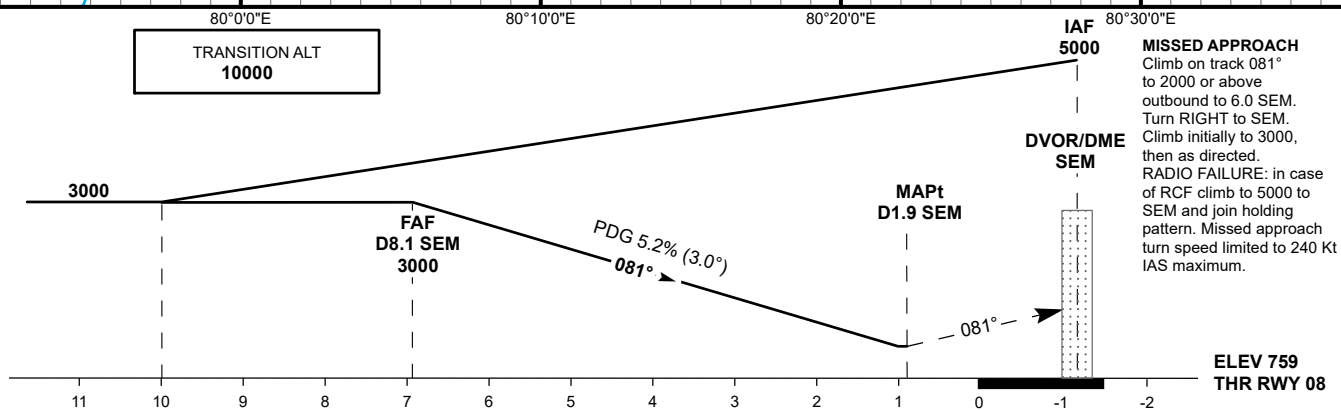
Aircraft Category		A	B	C	D	DIST to THR	NM	6.9	5.0	4.0	3.0	2.0	1.0
Straight-in Approach OCA/H	VOR/DME					DME SEM	NM	8.1	6.2	5.2	4.2	3.2	2.2
						ALTITUDE	FT	3000	2400	2081	1763	1445	1127
						HEIGHT	FT	(2241)	(1641)	(1322)	(1004)	(686)	(367)

Aerodrome Operating Minima (MDH ft x RVR(CMV))	VOR/DME											
					GS	Kt	80	100	120	140	160	180
					FAF-MAPt (6.2)	min:sec	4:35	3:47	3:09	2:42	2:22	2:06
					Desc.Rate(5.2%)	ft/min	420	530	640	740	850	950

SEMEY
VOR/DME Y

AERONAUTICAL DATA TABULATION

VOR approach to RWY08 from RABEN, ADOLU, OGUDU	
Fix/point	Coordinates
(FAF) D8.1 SEM	50° 20' 46.9"N 080° 01' 54.3"E
ADOLU (IF) D13.2 SEM	50° 20' 38.9"N 079° 54' 01.0"E
RABEN (IAF) R283° D14.3 SEM	50° 26' 02.3"N 079° 53' 43.3"E
OGUDU (IAF) R239° D14.2 SEM	50° 15' 15.5"N 079° 54' 18.6"E
DVOR/DME SEM	50° 20' 58.7"N 080° 14' 37.5"E
THR RWY 08	50° 21' 00.82"N 080° 12' 43.63"E
Final approach descent angle is 3°	

TRANSITION ALT
10000

Aircraft Category		A	B	C	D	DIST to THR	NM	6.9	5.0	4.0	3.0	2.0	1.0
Straight-in Approach OCA/H	VOR/DME	1170(410)		1170(410)		DME SEM	NM	8.1	6.2	5.2	4.2	3.2	2.2
						ALTITUDE	FT	3000	2400	2081	1763	1445	1127
						HEIGHT	FT	(2241)	(1641)	(1322)	(1004)	(686)	(367)

Aerodrome Operating Minima (MDH ft x RVR(CMV))	VOR/DME												
					GS	Kt	80	100	120	140	160	180	
					FAF-MAPt (6.2)	min:sec	4:35	3:47	3:09	2:42	2:22	2:06	
					Desc.Rate(5.2%)	ft/min	420	530	640	740	850	950	

SEMEY
VOR/DME Z

AERONAUTICAL DATA TABULATION

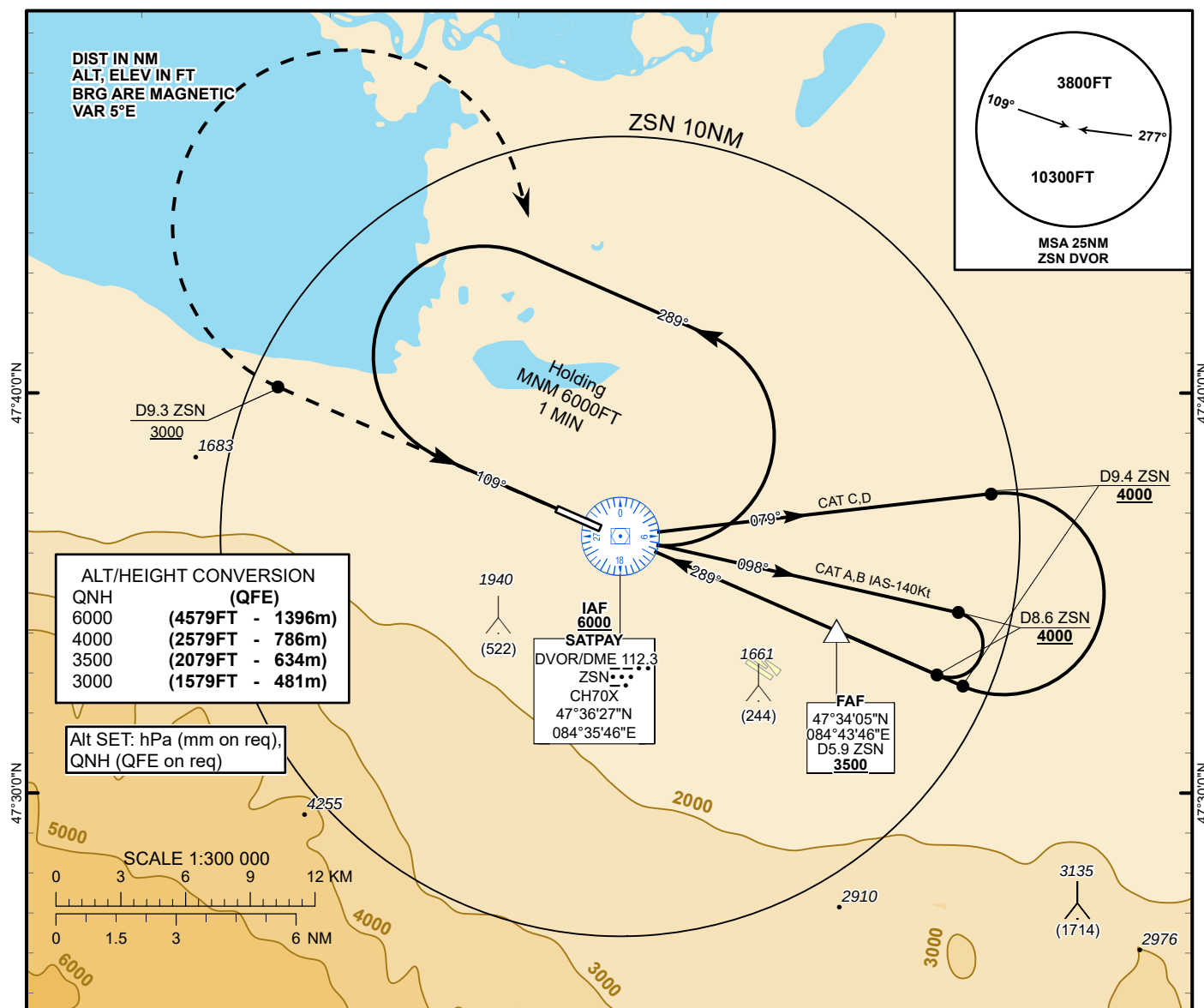
VOR/DME approach to RWY08 from SEM DVOR/DME	
Fix/point	Coordinates
SEM DVOR/DME (IAF)	50° 20' 58.7"N 080° 14' 37.5"E
(FAF) D8.1 SEM	50° 20' 46.9"N 080° 01' 54.3"E
THR RWY 08	50° 21' 00.82"N 080° 12' 43.63"E
Final approach descent angle is 3°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **1417FT**
HEIGHTS RELATED TO
AD ELEV

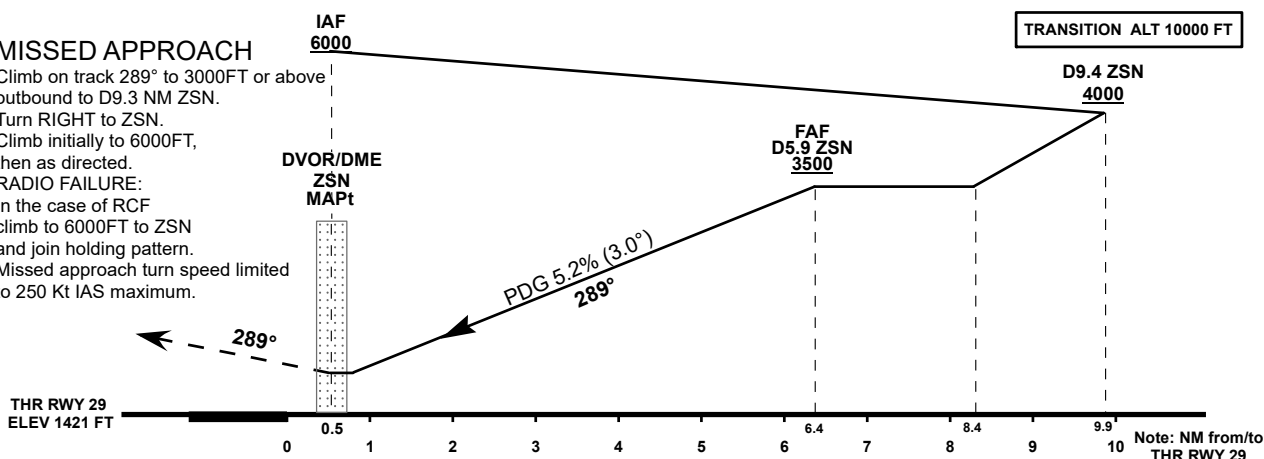
SATPAY TOWER 122.9

SATPAY
VOR/DME
RWY 29



MISSED APPROACH

Climb on track 289° to 3000FT or above
outbound to D9.3 NM ZSN.
Turn RIGHT to ZSN.
Climb initially to 6000FT,
then as directed.
RADIO FAILURE:
In the case of RCF
climb to 6000FT to ZSN
and join holding pattern.
Missed approach turn speed limited
to 250 Kt IAS maximum.



CHANGE: Descent table.

Aircraft Category		A	B	C	D
Straight-in Approach OCA/H					
	VOR/DME	1740(320)	1740(320)	1740(320)	1740(320)

DIST to THR	NM	6.4	6	5	4	3	2	1
DME ZSN	NM	5.9	5.5	4.5	3.5	2.5	1.5	0.5
ALTITUDE	FT	3500	3390	3070	2750	2430	2110	1790
HEIGHT	FT	2079	1969	1329	1329	1009	689	369

GS	Kt	80	100	120	140	160	180
Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950
FAF-MAP(5.9NM)	min:sec	4:03	3:14	2:42	2:19	2:02	1:48

AERONAUTICAL DATA TABULATION

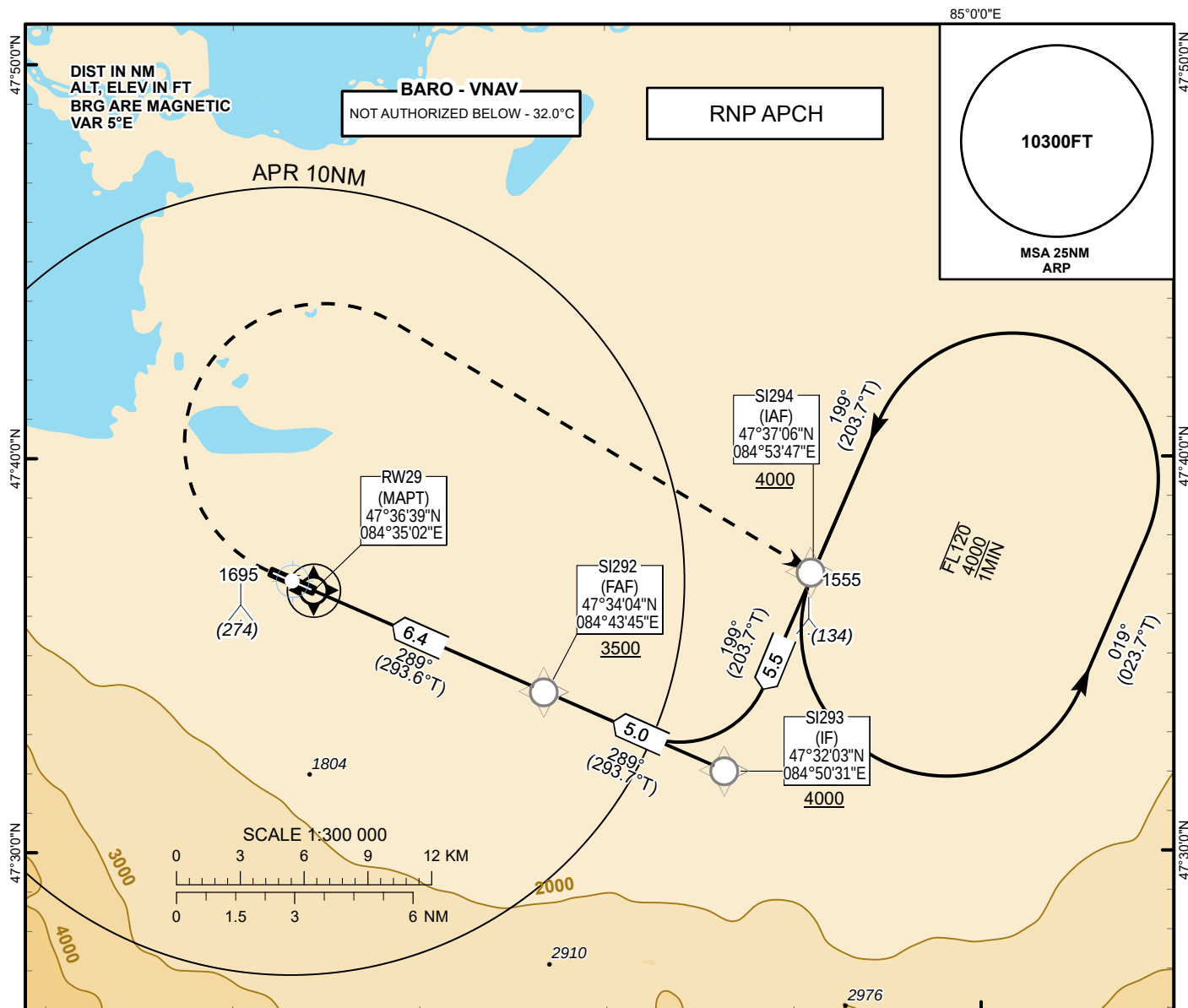
VOR approach to RWY29 from ZSN DVOR/DME	
Fix/point	Coordinates
(FAF) D5.9 ZSN	47° 34' 04.9"N 084° 43' 45.8"E
ZSN DVOR/DME (IAF)	47° 36' 26.5"N 084° 35' 45.7"E
THR RWY29	47° 36' 39.5"N 084° 35' 01.8"E
Final approach descent angle is 3.0°	

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **1417FT**
HEIGHTS RELATED TO
AD ELEV

SATPAY TOWER 122.9

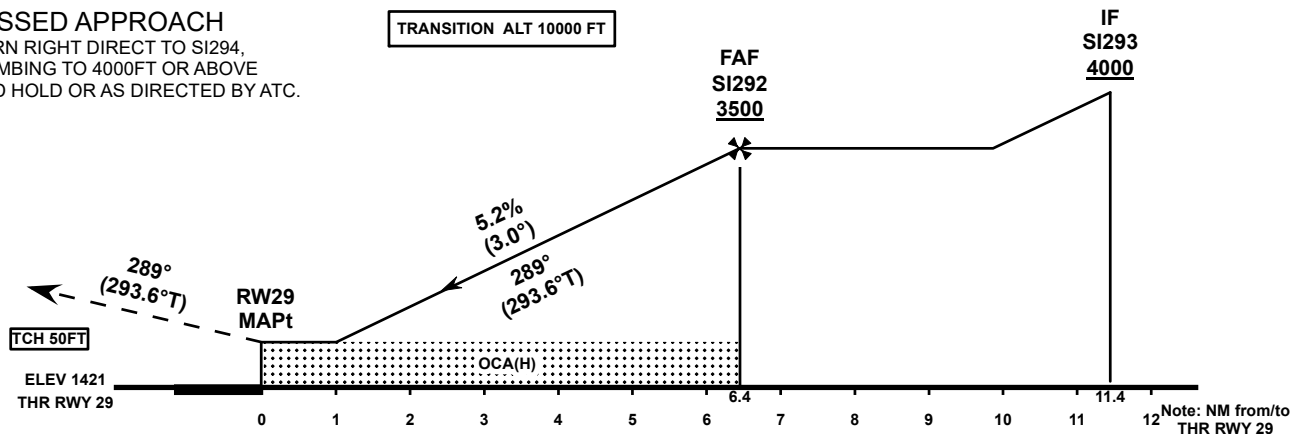
SATPAY
RNP RWY 29



MISSED APPROACH

TURN RIGHT DIRECT TO SI294,
CLIMBING TO 4000FT OR ABOVE
AND HOLD OR AS DIRECTED BY ATC.

TRANSITION ALT 10000 FT



Aircraft Category		A	B	C	D
Straight-in Approach OCA/H	LNAV	1750(330)			
	LNAV/VNAV	1670(250)	1670(250)	1670(250)	1670(250)

DIST to THR	NM	6	5	4	3	2	1
ALTITUDE	FT	3360	3050	2730	2420	2100	1780
HEIGHT	FT	1939	1629	1309	999	679	359

GS	Kt	80	100	120	140	160	180
Desc.Rate(5.2%)	ft/min	430	530	640	740	850	960
FAF-MAPt(6.4NM)	min:sec	4:53	3:54	3:15	2:47	2:26	2:10

CHANGE: Editorial.

TABULAR DESCRIPTION

UASI RNP RWY29											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA (°)	Navigation Specification
010	IF	SI294	-	-	+4.7	-	-	+4000	-	-	RNP APCH
020	TF	SI293	-	199(203.7)	+4.7	5.5	-	+4000	-	-	RNP APCH
010	IF	SI293	-	-	+4.7	-	-	+4000	-	-	RNP APCH
020	TF	SI292	-	289(293.7)	+4.7	5.0	-	+3500	-	-	RNP APCH
030	TF	RW29	Y	289(293.6)	+4.7	6.4	-	@1471	-	+3.0	RNP APCH
040	DF	SI294	-	-	+4.7	-	R	+4000	-240	+1.4	RNP APCH

WAYPOINT COORDINATES

UASI RNP RWY29		
Waypoint Identifier		
Coordinates		
RW29	473639.45N	0843501.81E
SI292	473404.30N	0844345.41E
SI293	473203.50N	0845030.95E
SI294	473705.55N	0845347.17E

HOLDINGS

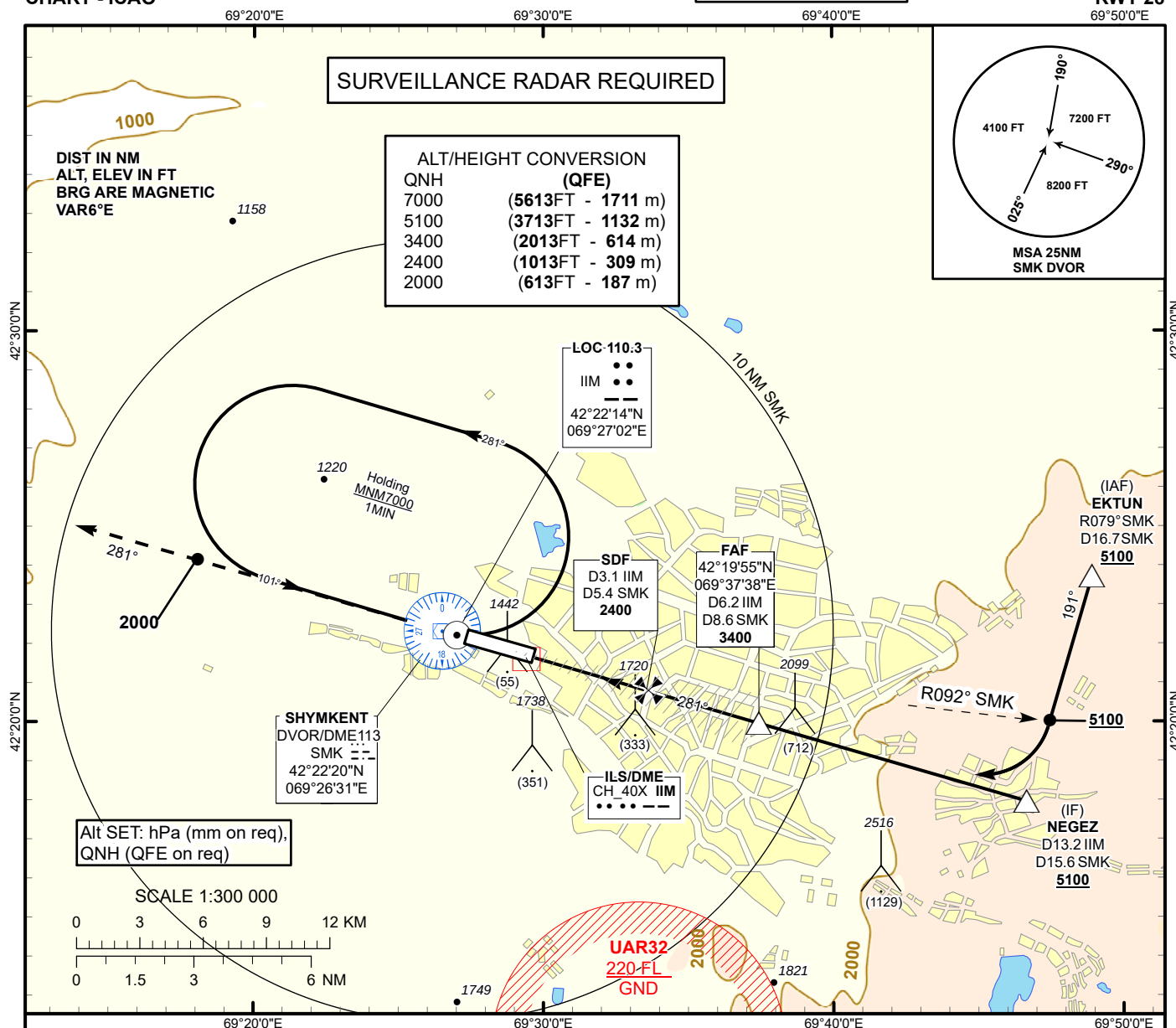
Path Descriptor	Waypoint Identifier	Inbound Course °M (°T)	Time (MIN)	Turn Direction	Minimum Altitude	Maximum Altitude	Speed limit (KT)	Navigation Specification
Hold	SI294	199(203.7T)	1	L	+4000FT	-FL120	-	RNP1

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 1387 FT
HEIGHTS RELATED TO
AD ELEV

SHYMKENT TOWER 125.9
SHYMKENT ATIS (EN) 119.2
SHYMKENT ATIS (RU) 126.6

SHYMKENT
LOC/DME
RWY 28



MISSED APPROACH

Climb on track 281° to 5100ft.
After passing 2000ft radar
vectoring will be provided.

RADIO FAILURE

In case of RCF DVOR/DME
SMK
climb on track 281°
to 3200ft or above.
Outbound to D5.2
SMK, turn RIGHT,
climb to 7000 to
SMK and join to
holding pattern.

TRANSITION ALT 10000 FT

SDF
D3.1 IIM
D5.4 SMK
2400

FAF
D6.2 IIM
D8.6 SMK
3400

IF
NEGEZ
D13.2 IIM
D15.6 SMK
5100

MAPt
D0.3 IIM
D2.7 SMK

PDG 5.2% (3.0°)
281°

DTHR RWY 28
ELEV 1384

3 2 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13

CHANGE: Add CH DME IIM.

Aircraft Category		A	B	C	D	DIST to DTHR DME IIM	NM	1.0	2.0	3.0	4.0	5.0	6.2
Straight-in Approach OCA/H	LLZ (GP INOP) SDF	1930(540)	1930(540)	1930(540)	1930(540)	DME SMK	NM	3.4	4.4	5.4	6.4	7.4	8.6
	LLZ (GP INOP) WO SDF	2340(960)	2340(960)	2340(960)	2340(960)	ALTITUDE	FT	1754	2073	2391	2710	3028	3400
						HEIGHT	FT	(367)	(686)	(1004)	(1323)	(1641)	(2013)
DME IIM ZERO RANGED TO THR RWY 28													
Aerodrome Operating Minima MDH ft x RVR (CMV)	LLZ (GP INOP)					GS	Kt	80	100	120	140	160	180
						Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950
						FAF-MAPt(5.9NM)	min:sec	4:30	3:36	3:00	2:34	2:15	2:00

SHYMKENT
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY28 from EKTUN, NEGEZ	
Fix/point	Coordinates
(SDF) D3.1 IIM, D5.4 SMK	42° 20' 49.0"N 069° 33' 32.6"E
(FAF) D6.2 IIM, D8.6 SMK	42° 19' 55.4"N 069° 37' 38.4"E
NEGEZ (IF) D13.2 IIM, D15.6 SMK	42° 17' 57.8"N 069° 46' 39.6"E
EKTUN (IAF) R079°, D16.7 SMK	42° 23' 43.2"N 069° 48' 57.0"E
SMK DVOR/DME	42° 22' 20.4"N 069° 26' 30.6"E
IIM LOC	42° 22' 13.7"N 069° 27' 01.5"E
DTHR RWY 28	42° 21' 40.62"N 069° 29' 34.86"E
Final approach descent angle is 3°	

UAAT AD 2

Note: The following sections in this chapter are intentionally left blank: AD-2.10, 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	Nil
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 A5
2	Rescue equipment	1 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	A liquid de-icing/anti-icing chemical based on formate, "NORDWAYF", grade "Premium Eco", is used for ice removal from aerodrome pavements. Clearing, ice removal and application of de-icing chemicals on the runway (RWY) and taxiways (TWY) is carried out by military unit 21751 MORK (Military Airfield Maintenance Squadron), using: KAMAZ-65115 DMK-70 — 1 unit KAMAZ-43253 MP-7 — 1 unit Ural-4320 (snow auger) — 1 unit ZIL-131 DE210B — 1 unit MTZ-82.1 — 2 units Clearing of the apron and parking stands is carried out by JSC "Zhetysu Airlines": Tractor (MTZ 82), for snow clearing, with brush and blade — 2 units Truck (KAMAZ MD 532), with brush and blade — 1 unit
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
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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
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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

1	Coordinates TLOF or THR of FATO Geoid undulation	450638N 0782632E -160 FT
2	TLOF and/or FATO elevation	1944 FT
3	TLOF and FATO area dimensions, surface, strength, marking	Rectangle 15x15 M PCN 42/R/A/X/T REINF CONC, no marking
4	True BRG of FATO	21°/201°
5	Declared distance available	Nil
6	APP and FATO lighting	Nil
7	Remarks	FATO/TLOF located on Apron

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	Elevatio n of DME transmi tting antenna	Service volume radius from the GBAS reference point	Rem arks
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

№	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
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
Aerodrome Obstacle Chart – ICAO – Type A	UAAT AD 2.24.4-1
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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UADD AD 2

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

UADD AD 2.1 Aerodrome Location Indicator And Name

UADD - TARAZ

UADD AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	425116N 0711808E From THR 13 - 1749.9m
2	Direction and distance from (city)	230°, 4.3 NM of Taraz center
3	Elevation/Reference temperature	2190 FT/29,4° C
4	Geoid undulation at AD ELEV PSN	-132.9 FT
5	MAG VAR/Annual Change	6° E (2020) / 0.03
6	AD Administration, address, telephone, telefax, telex, AFS	Post: Authority of Airport 080000 Taraz, Airport, Aeroport residential complex, Aeroportovskaya Street, building 4/12 JSC "Aulie-ata International Airport" Republic of Kazakhstan Phone: +7 (7262) 542277 Phone: +7 (7262) 542244 Fax: +7 (7262) 542255 AFS: UADDAPBF Email: ops@dmb.aero Email: reception@dmb.aero
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UADD AD 2.3 Operational Hours

1	AD Operator	H24 Phone: +7 (7262) 542244 Phone:
2	Customs and immigration	H24 Phone: +7 (7262) 542244
3	Health and sanitation	H24 Phone: +7 (7262) 542244
4	AIS Briefing Office	HO
5	ATS Reporting Office (ARO)	H24 Phone: +7 (7262) 434995
6	MET Briefing Office	H24 Phone: +7 (7262) 436004
7	ATS	H24
8	Fuelling	H24 Phone: +7 (7262) 542244

9	Handling	H24 Phone: +7 (7262) 542244
10	Security	H24 Phone: +7 (7262) 542244
11	De-icing	H24 Phone: +7 (7262) 542244
12	Remarks	Nil

UADD AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	Handling up to 30 tonnes weight
2	Fuel/oil types	TS-1, RT/MS-20, MS-8PP
3	Fuelling facilities/capacity	Tanker 7.5t performance 30m3/hour Tanker 22t performance 60m3/hour
4	De-icing facilities	de-icing machine - 2 pcs
5	Hangar space for visiting aircraft	On request for light aircraft
6	Repair facilities for visiting aircraft	Minor repairs at the aerodrome. JSC "SCAT Airlines" performs maintenance and repairs for Boeing 737 and Boeing 757 aircraft of all modifications (subject to prior agreement).
7	Remarks	Nil

UADD AD 2.5 Passenger Facilities

1	Hotels	Airport hotel, city hotel
2	Restaurants	AVBL
3	Transportation	Buses, taxis
4	Medical facilities	Aid post at Airport Terminal, ambulance service, hospitals in Taraz
5	Bank and Post Office	In the city Taraz, in the airport - bank ATM
6	Tourist Office	In the city Taraz
7	Remarks	Nil

UADD AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A5
2	Rescue equipment	5 fire engines with a total volume fire extinguishing composition - 43 950 kg
3	Capability for removal of disabled aircraft	Lifting equipment 100 t (contract on the procedure for the removal of aircraft)
4	Remarks	Upon prior request, an upgrade of the Rescue and Fire Fighting Services (RFFS) level is available only up to RFFS Category 7 for commercial passenger flights and only up to RFFS Category 8 for cargo flights.

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.

No	Waypoint name (visual reference)	Geographical coordinates	Radial (mag.) and distance from NAVAID (ARP)	Remarks
1	DELTA (SE outskirts of Kokozek)	430946N 0714111E	040° 25.0 nm TAR DVOR/DME	Entry
2	HOTEL (NE outskirts of Akchulak)	430123N 0714835E	063° 25.0 nm TAR DVOR/DME	Exit
3	ALPHA (NE outskirts of Yernazar)	430900N 0705138E	307° 25.0 nm TAR DVOR/DME	Entry
4	BRAVO	431421N 0710100E	327° 25.0 nm TAR DVOR/DME	Exit
5	OSCAR (NW outskirts of Shaikoryk)	425739N 0711950E	016° 5.8 nm TAR DVOR/DME	Holding, circle and absolute altitude by "Tower" ATC instructions
6	INDIA (Southern outskirts of Sarykemer)	425736N 0712947E	055° 10.9 nm TAR DVOR/DME	Holding, circle and absolute altitude by "Tower" ATC instructions
7	TANGO (Northern outskirts of Aisha-Bibi)	425038N 0711228E	238° 3.6 nm TAR DVOR/DME	Holding, circle and absolute altitude by "Tower" ATC instructions

UADD 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
Section 7 Point 459 Point 467 of Standards of Aerodromes (Heliports) Operation Civil Aviation Republic Kazakhstan	Rescue and firefighting equipment, and procedures for operation and coordination under Category III conditions.	Obstacle Evaluation and Permit issued due to deviations from the requirements of the State Aerodrome Operation Manual of the Civil Aviation Administration of the Republic of Kazakhstan related to flight safety at Taraz aerodrome.	An equivalent level of safety has been approved 17.07.2024

2. Ornithological situation in the aerodrome area.

The ornithological situation in the aerodrome vicinity is determined by seasonal and diurnal bird migration. Taraz Aerodrome is surrounded by agricultural fields and residential areas..

2.1 Seasonal migration of birds (time)

The period of spring migration - Spring bird migration is observed from early March to the end of May. The most intensive migration occurs in April–May; however, the timing and intensity of migration may vary depending on climatic conditions and weather.

The main hazard to aircraft is posed by rooks, jackdaws, pigeons, swallows, buzzards, kestrels, kites, pheasants, rollers, waders and other bird species.

The most active bird movement is observed:

- in the morning hours — from 00:00 to 04:00 UTC;
- in the evening hours — from 12:30 to 15:30 UTC.

The period of autumn migration - Autumn bird migration is observed from early September to the end of November. The timing and intensity of migration depend on climatic conditions and sudden weather changes.

The main hazard is posed by rooks, jackdaws, pigeons, common mynas, buzzards, kestrels, kites, pheasants, rollers, waders and other bird species.

The most active bird movement is observed:

- in the morning hours — from 23:30 to 03:30 UTC;
- in the evening hours — from 12:30 to 15:30 UTC.

Bird migration intensity increases during periods of agricultural work, as well as during the ripening of grain and other agricultural crops.

During the above periods, pilots are advised to switch on landing lights when operating in the aerodrome vicinity, as well as during take-off, approach, climb and descent.

The spring and autumn periods are characterised by mass movements of migrating birds. Flocks of rooks numbering up to 300–600 individuals are observed:

- from 01:00 to 03:00 UTC — moving west to east;
- from 12:00 to 15:00 UTC — moving east to west.

Flight altitude ranges from 200 to 600 FT.

Summer period - During summer, movements of birds of prey (5 to 10 individuals) at a relative altitude of up to 600 FT are observed in the morning and evening hours, as well as rollers at altitudes up to 33 FT.

Year-round, movements of pigeons and corvid birds in flocks of 15–30 individuals or more are observed at a relative altitude of up to 200 FT.

2.2 Direction of migration

The main direction of bird migration

- in spring — from south-west to north-east;
- in autumn — in the reverse direction.

During the autumn period, a large number of carrion crows congregate in the aerodrome area and on its territory, posing a serious hazard to flights from sunrise to sunset.

Within the aerodrome movement area, the main bird movements occur from north-west to south-east and in the reverse direction.

2.3 Flight altitude

Migration altitude depends on the season and weather conditions. Different bird species move at different altitudes.

Approximate flight altitudes of birds found within the aerodrome movement area and its vicinity:

- birds of prey — from 328 to 26,246 FT;;

- common mynas — from 133 to 1,509 FT;
- swallows — from 16 to 66 FT;
- sparrows — from 16 to 49 FT;
- owls — from 16 to 98 FT;
- pheasants — from 3 to 16 FT.

2.4 Intensity of bird migration

Bird migration takes place around the clock.

2.5 Daily migration of birds

2.5.1 Time

From dawn to the onset of evening twilight

2.5.2 Direction

Movements occur between habitats and feeding grounds, crossing aircraft take-off and landing flight paths. The main direction is from north-west to south-east and in the reverse direction.

2.5.3 Altitude

Movements occur approximately at altitudes from 32 to 492 FT. Mass movements of corvid birds are observed at altitudes from 164 to 1,640 FT..

2.6 Bird control/dispersal measures.

The following are used at the aerodrome to disperse birds: pyrotechnic devices, acoustic (bioacoustic) devices, visual deterrents, and propane bird-scaring cannons.

2.7 Radar monitoring of bird movement

Radar monitoring of bird movement in the aerodrome vicinity is not provided.

2.8 Information dissemination

Information on the ornithological situation is broadcast via the ATIS channel in English and Russian, and, where necessary, through the ATC controller.

UADD AD 2.24 Charts Related To An Aerodrome

Name	Page
Aerodrome Chart ICAO	UADD AD 2.24.1-1
Aerodrome Ground Movement and Parking Chart ICAO	UADD AD 2.24.3-1
Aerodrome Obstacle Chart – ICAO Type A	UADD AD 2.24.4-1
Precision Approach Terrain Chart – RWY 13 ICAO	UADD AD 2.24.5-1
Area Chart ICAO	UADD AD 2.24.6-1
Standard Departure Chart Instrument (SID) RWY 13 ICAO	UADD AD 2.24.7-1-1
Standard Departure Chart Instrument (SID) RWY 13 ICAO	UADD AD 2.24.7-2-1
Standard Departure Chart Instrument (SID) RWY 31 ICAO	UADD AD 2.24.7-3-1
Standard Departure Chart Instrument (SID) RWY 31 ICAO	UADD AD 2.24.7-4-1
Standard Arrival Chart Instrument (STAR) RWY 13 ICAO	UADD AD 2.24.9-1-1
Standard Arrival Chart Instrument (STAR) RWY 31 ICAO	UADD AD 2.24.9-2-1
ATC Surveillance Minimum Altitude Chart ICAO	UADD AD 2.24.10-1
Instrument Approach Chart – ILS/DME RWY 13 ICAO	UADD AD 2.24.11-1-1
Instrument Approach Chart – ILS/DME RWY 31 ICAO	UADD AD 2.24.11-2-1
Instrument Approach Chart – VOR/DME RWY 13 ICAO	UADD AD 2.24.11-3-1
Instrument Approach Chart – VOR/DME RWY 31 ICAO	UADD AD 2.24.11-4-1
Visual Approach chart – ICAO	UADD AD 2.24.12-1
VFR Departure/Arrival Chart	UADD AD 2.24.14-1

UADD AD 2.25 Visual segment surface (VSS) penetrations

No penetrations

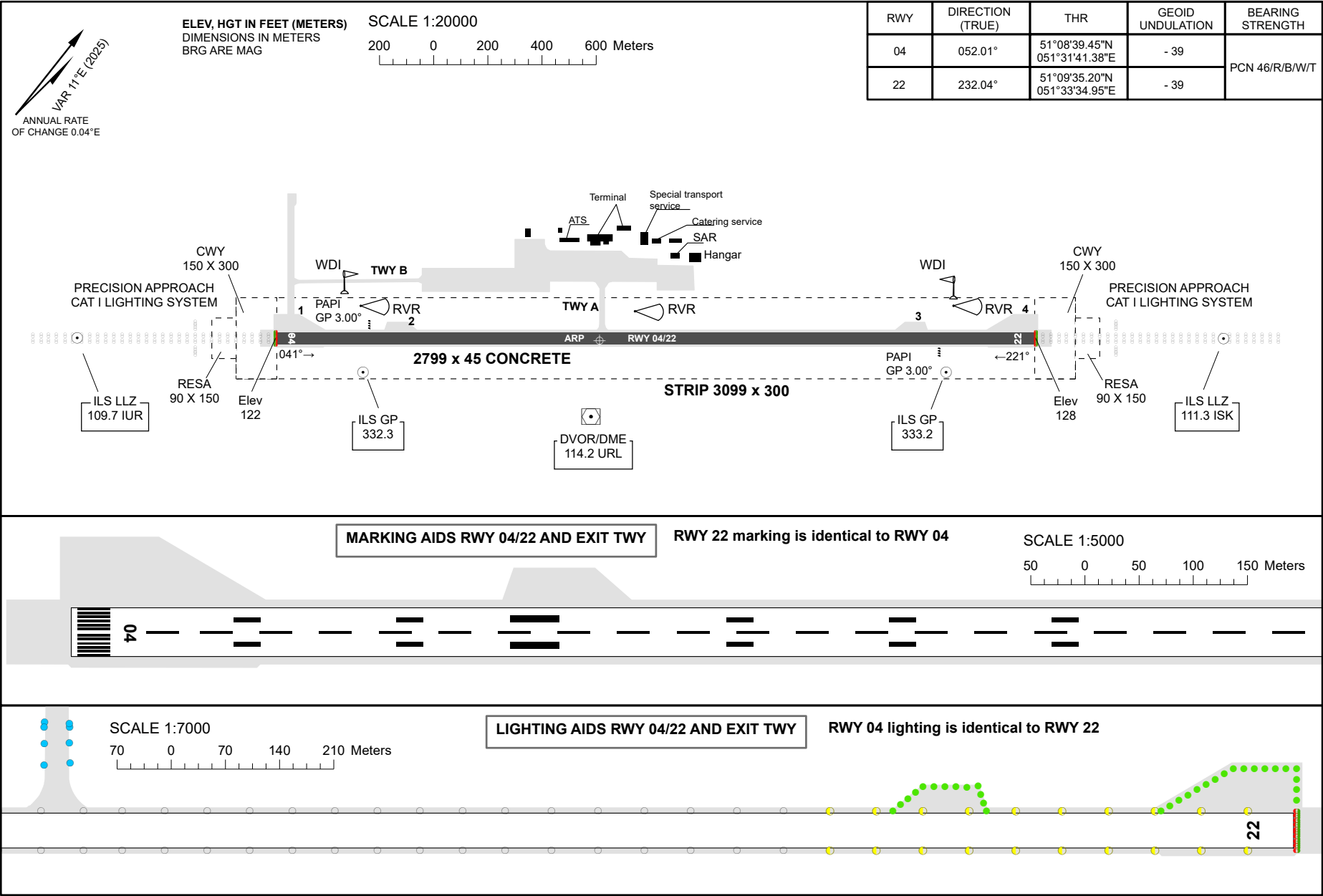
AERODROME
CHART - ICAO

AD ELEV
128FT (39m)

ARP 510907N
0513238E

TWR 119.7

URALSK



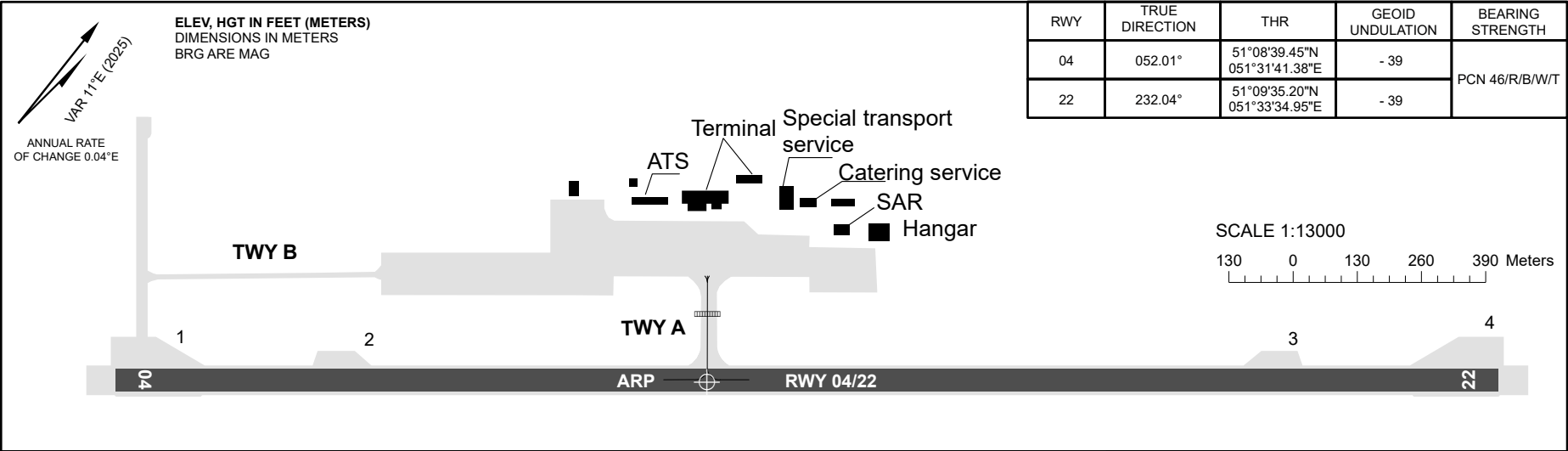
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AERODROME GROUND MOVEMENT
AND PARKING CHART - ICAO

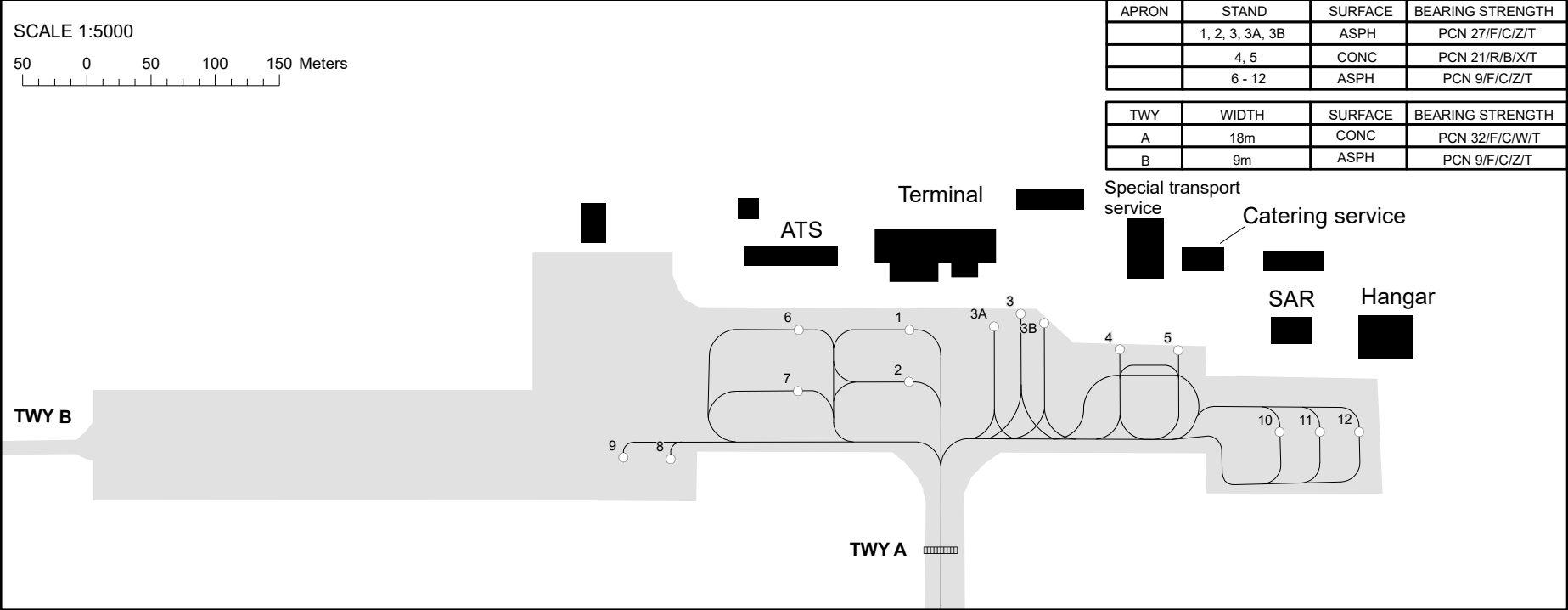
APRON ELEV 121FT (37m)

TWR 119.7

URALSK



RWY	TRUE DIRECTION	THR	GEOID UNDULATION	BEARING STRENGTH
04	052.01°	51°08'39.45"N 051°31'41.38"E	- 39	PCN 46/R/B/W/T
22	232.04°	51°09'35.20"N 051°33'34.95"E	- 39	



APRON	STAND	SURFACE	BEARING STRENGTH
	1, 2, 3, 3A, 3B	ASPH	PCN 27/F/C/Z/T
	4, 5	CONC	PCN 21/R/B/X/T
	6 - 12	ASPH	PCN 9/F/C/Z/T

TWY	WIDTH	SURFACE	BEARING STRENGTH
A	18m	CONC	PCN 32/F/C/W/T
B	9m	ASPH	PCN 9/F/C/Z/T

URALSK

STANDS CHARACTERISTICS

Apron	Stand	Coordinates	
		Latitude	Longitude
	1	51 09 10.62 N	051 32 19.31 E
	2	51 09 09.57 N	051 32 20.58 E
	3	51 09 12.66 N	051 32 22.44 E
	3A	51 09 12.00 N	051 32 21.90 E
	3B	51 09 12.84 N	051 32 23.40 E
	4	51 09 13.48 N	051 32 26.45 E
	5	51 09 14.38 N	051 32 28.32 E
	6	51 09 08.90 N	051 32 15.81 E
	7	51 09 07.67 N	051 32 17.30 E
	8	51 09 04.35 N	051 32 14.95 E
	9	51 09 03.64 N	051 32 13.42 E
	10	51 09 14.33 N	051 32 33.54 E
	11	51 09 14.95 N	051 32 34.80 E
	12	51 09 15.57 N	051 32 36.04 E

AERODROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

URALSK/Oral International Airport

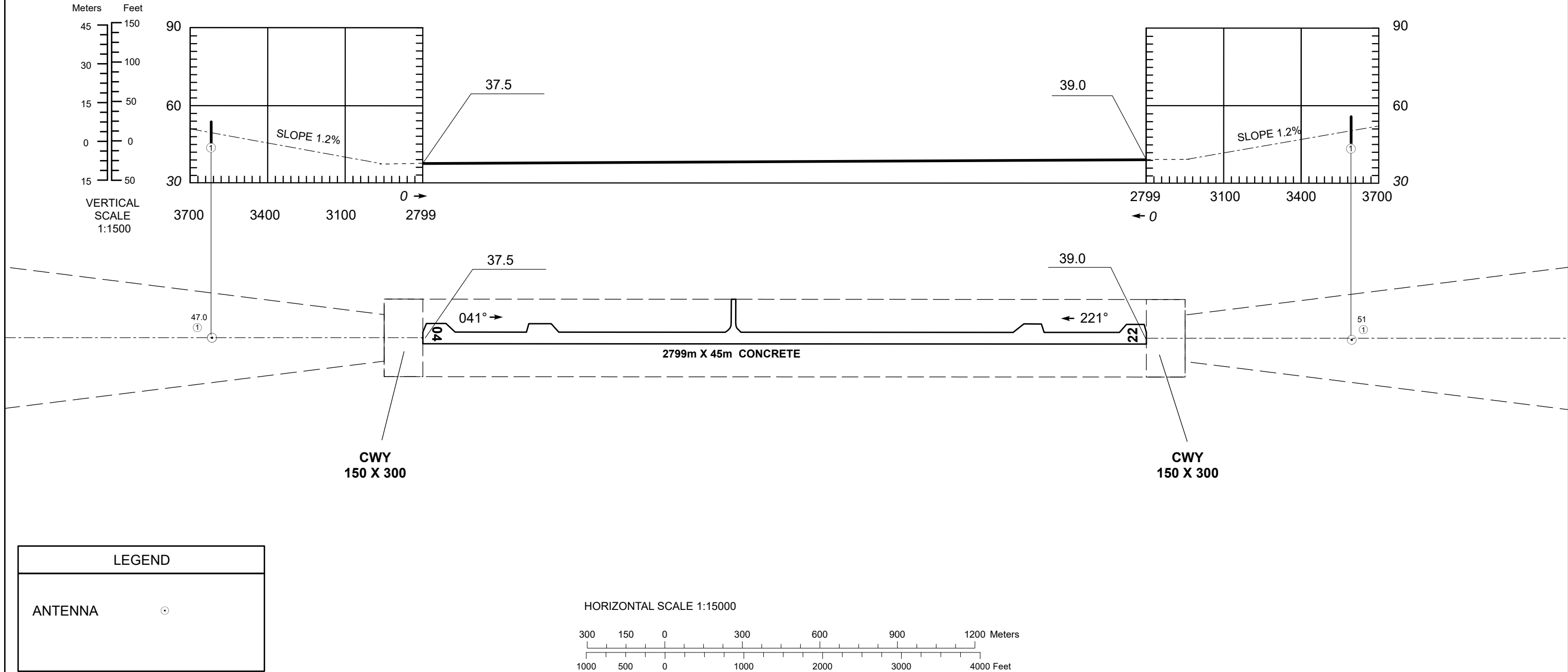
DIMENSIONS AND ELEVATIONS IN METERS
MAGNETIC VARIATION 11°E (2025)

ORDER OF ACCURACY					
№	LAT	LON	H	HORIZONTAL, m	VERTICAL, m
①	51°08'23.18" N	051°31'08.27" E	46.89	0.72	0.06

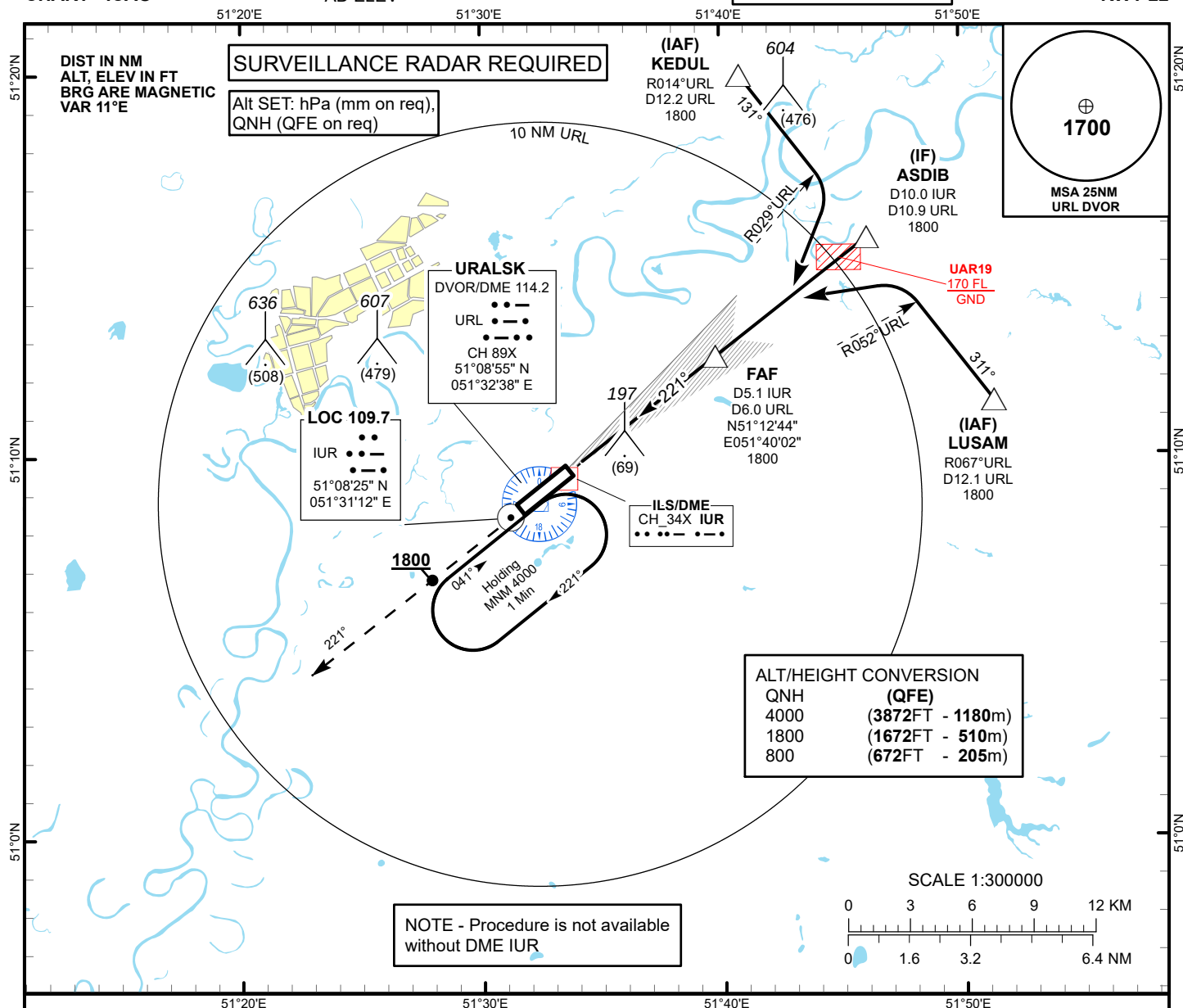
RWY 04/22

DECLARED DISTANCES		
RWY 04		RWY 22
2799	TAKE-OFF RUN AVAILABLE	2799
2949	TAKE-OFF DISTANCE AVAILABLE	2949
2799	ACCELERATE STOP DISTANCE AVAILABLE	2799
2799	LANDING DISTANCE AVAILABLE	2799

ORDER OF ACCURACY					
№	LAT	LON	H	HORIZONTAL, m	VERTICAL, m
①	51°09'50.9" N	051°34'07.4" E	51	0.3	0.5



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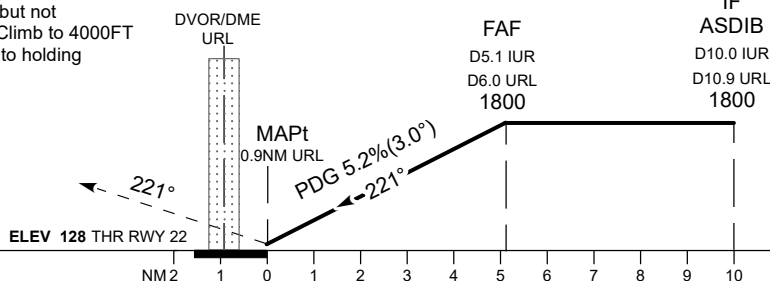
INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 128 FT
HEIGHTS RELATED TO
AD ELEVURALSK TOWER 119.7
URALSK ATIS (EN) 124.8
URALSK ATIS (RU) 134.9URALSK
LOC/DME
RWY 22

MISSED APPROACH

Climb on track 221° to 1800FT.

After passing 1800FT radar
vectoring will be provided.

RADIO FAILURE:

In case of RCF climb on track 221° to
1800FT, turn LEFT to URL, but not
earlier than D6.0 NM URL. Climb to 4000FT
(not below) to URL and join to holding
pattern.TRANSITION ALT
10000

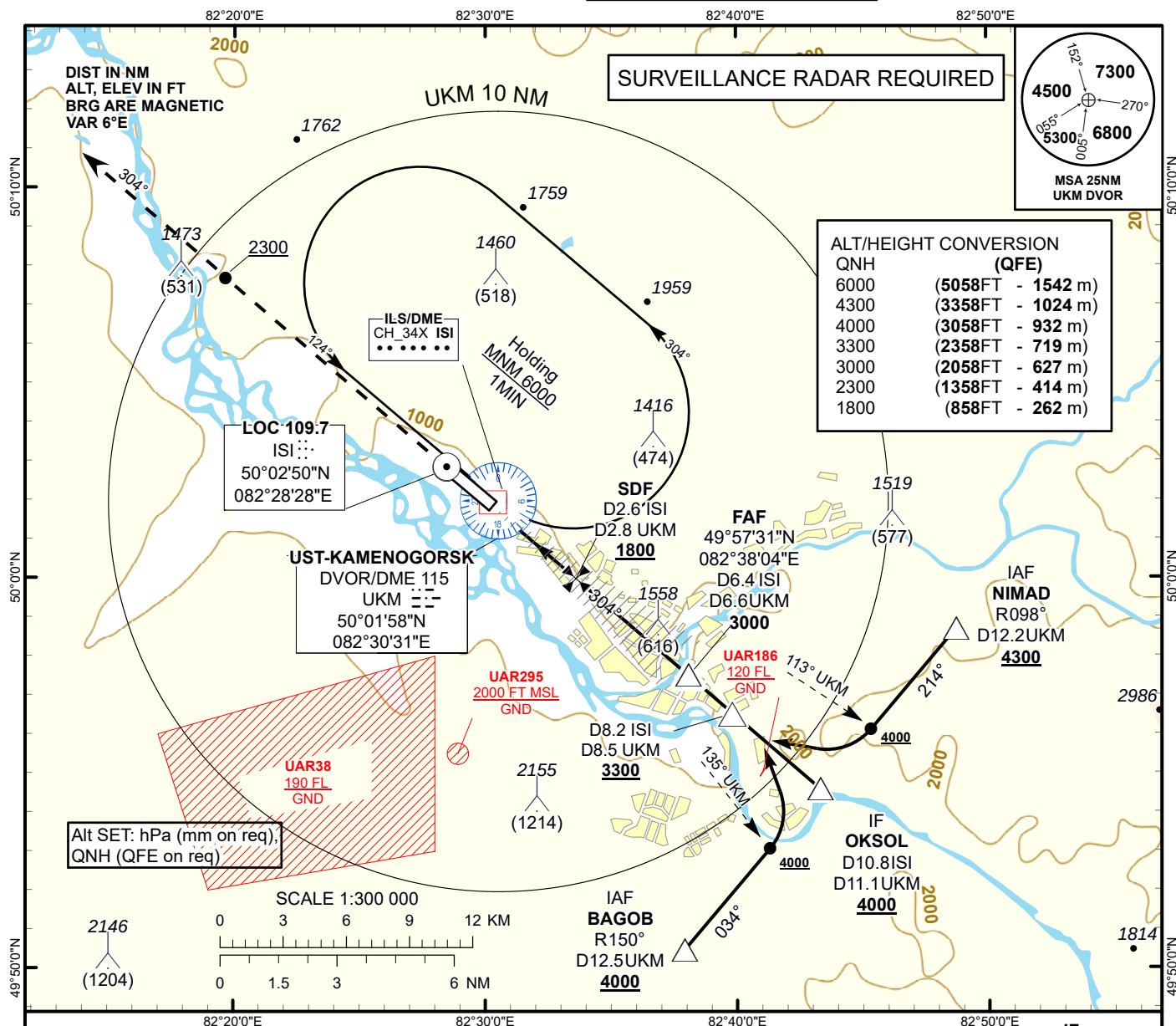
CHANGE: Add CH DME IUR.

Aircraft Category		A	B	C	D	DIST to THR DME IUR	NM	1	2	3	4	5	5.1
Straight-in Approach OCA/H						DME URL	NM	1.9	2.9	3.9	4.9	5.9	6.0
	LLZ (GP INOP)	510(380)	510(380)	510(380)	510(380)	ALTITUDE	FT	495	814	1132	1451	1769	1800
						HEIGHT	FT	367	686	1004	1323	1641	1672
DME IUR ZERO RANGED TO THR RWY 22													
Aerodrome Operating Minima DH ft x RVR(CMV)	LLZ (GP INOP)					GS	Kt	80	100	120	140	160	180
						Desc.Rate (5.2%)	ft/min	420	530	630	740	840	950
						FAF-MAPt(5.1NM)	min:sec	3:50	3:04	2:33	2:11	1:55	1:42

URALSK
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY22 from KEDUL, ASDIB, LUSAM	
Fix/point	Coordinates
DVOR/DME URL	51° 08' 55.2"N 051° 32' 37.6"E
(FAF) D5.1 IUR, D6.0 URL	51° 12' 44.3"N 051° 40' 01.5"E
ASDIB (IF) D10.0 IUR, D10.9 URL	51° 15' 43.6"N 051° 46' 09.5"E
KEDUL (IAF) R014°, D12.2 URL	51° 19' 58.7"N 051° 40' 51.6"E
LUSAM (IAF) R067°, D12.1 URL	51° 11' 28.3"N 051° 51' 26.5"E
THR RWY22	51° 09' 35.20"N 051° 33' 34.95"E
LOC IUR	51° 08' 24.8"N 051° 31' 11.5"E

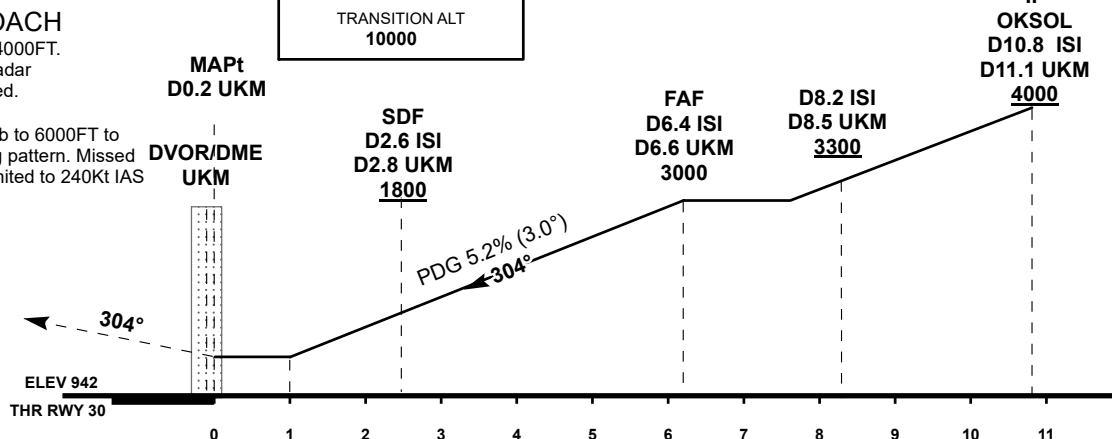
INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV **942FT**
HEIGHTS RELATED TO
AD ELEVUST-KAMENOGORSK TOWER 130.1
UST-KAMENOGORSK ATIS (EN) 124.2
UST-KAMENOGORSK ATIS (RU) 127.7UST-KAMENOGORSK
LOC/DME
RWY 30

MISSED APPROACH

Climb on track 304° to 4000FT.

After passing 2300FT radar
vectoring will be provided.

RADIO FAILURE:

In the case of RCF climb to 6000FT to
UKM and join to holding pattern. Missed
approach turn speed limited to 240Kt IAS
maximum.

CHANGE: Add CH DME ISI.

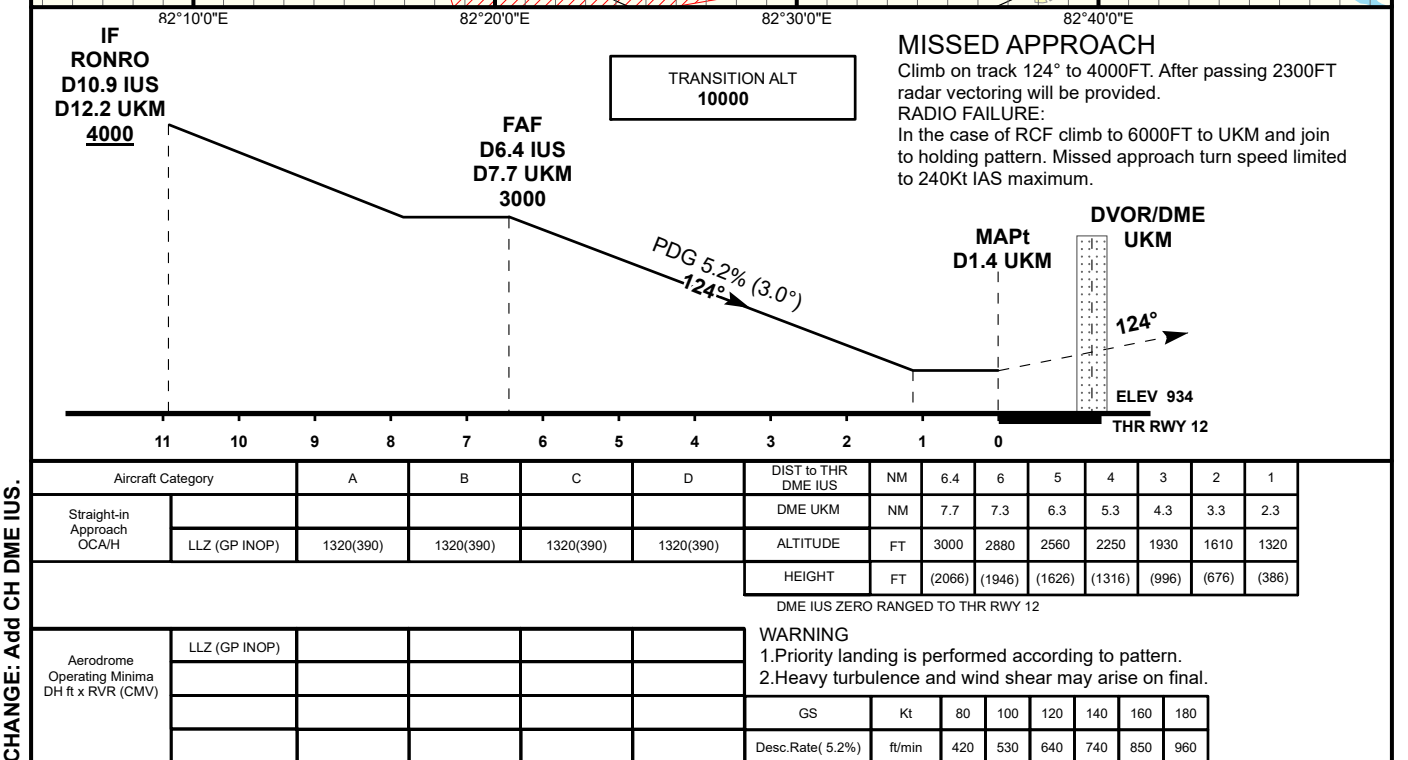
Aircraft Category		A	B	C	D	DIST to THR DME ISI	NM	6.4	6	5	4	3	2	1
Straight-in Approach OCA/H	LLZ (GP INOP) SDF	1320(370)	1320(370)	1320(370)	1320(370)	DME UKM	NM	6.6	6.2	5.1	4.1	3.1	2.1	1.1
	LLZ (GP INOP) WO SDF	1820(870)	1820(870)	1820(870)	1820(870)	ALTITUDE	FT	3000	2890	2570	2250	1940	1630	1320
						HEIGHT	FT	(2058)	(1948)	(1628)	(1308)	(998)	(688)	(378)
Aerodrome Operating Minima DH ft x RVR (CMV)		LLZ (GP INOP)				WARNING DME ISI ZERO RANGED TO THR RWY 30								
						GS	Kt	80	100	120	140	160	180	
						FAF-MAPt(6.6NM)	min:sec	4:53	3:54	3:15	2:47	2:26	2:10	
						Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950	

UST-KAMENOGORSK
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY30 from NIMAD, OKSOL, BAGOB	
Fix/point	Coordinates
UKM DVOR/DME	50° 01' 58.0"N 082° 30' 31.1"E
(FAF) D6.4 ISI, D6.6 UKM	49° 57' 30.6"N 082° 38' 04.4"E
OKSOL (IF) D10.8 ISI, D11.1 UKM	49° 54' 35.5"N 082° 43' 18.7"E
NIMAD (IAF) R098°, D12.2 UKM	49° 58' 42.2"N 082° 48' 43.5"E
BAGOB (IAF) R150°, D12.5 UKM	49° 50' 28.5"N 082° 37' 54.9"E
THR RWY 30	50° 01' 39.20"N 082° 30' 36.13"E
ISI LOC	50° 02' 49.8"N 082° 28' 28.4"E
SDF	49° 59' 58.6"N 082° 33' 37.8"E
Final approach descent angle is 3°	

UST-KAMENOGORSK
LOC/DME
RWY 12



CHANGE: Add CH DME IUS.

UST-KAMENOGORSK
LOC/DME

AERONAUTICAL DATA TABULATION

LOC/DME approach to RWY12 from BEDIT, RONRO, DIRIN	
Fix/point	Coordinates
UKM DVOR/DME	50° 01' 58.0"N 082° 30' 31.1"E
(FAF) D6.4 IUS, D7.7 UKM	50° 06' 46.8"N 082° 21' 17.2"E
RONRO (IF) D10.9 IUS, D12.2 UKM	50° 09' 43.7"N 082° 15' 54.5"E
BEDIT (IAF) R279°, D13.4 UKM	50° 05' 36.7"N 082° 10' 28.9"E
DIRIN (IAF) R327°, D13.3 UKM	50° 13' 51.6"N 082° 21' 18.9"E
THR RWY 12	50° 02' 38.22"N 082° 28' 49.30"E
IUS LOC	50° 01' 22.8"N 082° 31' 05.8"E
Final approach descent angle is 3°	

UAKD AD 2

Note: The following sections in this chapter are intentionally left blank: AD-2.21

UAKD AD 2.1 Aerodrome Location Indicator And Name

UAKD - ZHEZKAZGAN

UAKD AD 2.2 Aerodrome Geographical And Administrative Data

1	ARP coordinates and site at AD	474233N 0674418E At the centre of RWY
2	Direction and distance from (city)	170°, 5.9 NM of Zhezkazgan center
3	Elevation/Reference temperature	1251 FT/30° C
4	Geoid undulation at AD ELEV PSN	-115 FT
5	MAG VAR/Annual Change	9° E (2023) / 0.03°
6	AD Administration, address, telephone, telefax, telex, AFS	Post: Authority of Airport 100600 Zhezkazgan, JSC Aircompany "Zhezkazgan Air" Republic of Kazakhstan Phone: +7 (7102) 745750 AFS: UAKDKOXX Email: zhezair3@mail.ru
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UAKD AD 2.3 Operational Hours

1	AD Operator	See NOTAM Phone: +7 (7102) 745750
2	Customs and immigration	ANY 02:00 - 14:00 UTC
3	Health and sanitation	ANY 02:00 - 14:00 UTC
4	AIS Briefing Office	ANY 02:00 - 14:00 UTC
5	ATS Reporting Office (ARO)	ANY 02:00 - 14:00 UTC Phone: +7 (7212) 496502
6	MET Briefing Office	HO
7	ATS	See NOTAM
8	Fuelling	ANY 02:00 - 14:00 UTC Phone: +7 (7102) 745750
9	Handling	ANY 02:00 - 14:00 UTC Phone: +7 (7102) 745750
10	Security	H24 Phone: +7 (7102) 745761
11	De-icing	ANY 02:00 - 14:00 UTC Phone: +7 (7102) 745750
12	Remarks	Nil

UAKD AD 2.4 Handling Services And Facilities

1	Cargo-handling facilities	Handling up to 5 tonnes weight
2	Fuel/oil types	TS-1
3	Fuelling facilities/capacity	1 truck 20000 litres
4	De-icing facilities	AVBL de-icing fluid Type 1, Type 4
5	Hangar space for visiting aircraft	Not available for visiting aircraft
6	Repair facilities for visiting aircraft	Minor repairs in the aviation engineering service
7	Remarks	Nil

UAKD AD 2.5 Passenger Facilities

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

UAKD AD 2.6 Rescue And Fire Fighting Services

1	AD category for fire fighting	CAT A5
2	Rescue equipment	2 fire engines with a total volume extinguishing agent 16 000 litres.
3	Capability for removal of disabled aircraft	Tractor K-700, towbar
4	Remarks	Out of regulations - CAT A3

UAKD AD 2.7 Seasonal Availability - Clearing

1	Types of clearing equipment	1 rotor, 1 tractor K-700, 1 runway cleaning truck
2	Clearance priorities	1. RWY 2. TWY 3. Stands
3	Remarks	(Seasonal availability: All seasons, caution advised in winter during snow conditions) Granular anti-icing agent PGR "Green Way SFU", grade A."

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

1	Apron surface and strength	STANDS		SURFACE	STRENGTH
		1-2		CONC+ASPH	PCN 33/R/B/X/T
		3-7		CONC+ASPH	PCN 22/F/C/X/T
2	Taxiway width, surface and strength	TWY	WIDTH (M)	SURFACE	STRENGTH
		A	18	CONC+ASPH	PCN 33/R/B/X/T
		C	13	ASPH	PCN 9/F/C/Y/T
3	Altimeter checkpoint location and elevation	Nil			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Turning of CAT C, D ACFT on RWY turning bays № 2 and № 3 is prohibited CAT C, D ACFT taxiing along centerline marking at the reduced speed with the crew's good look-out TWY-A taxiing for ACFT IL-76T use only inner engines TWY-C AVBL for day ops only			

UAKD 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 and apron
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

UAKD AD 2.10 Aerodrome Obstacles

Obstacle identification	Type of obstacle	Location of obstacle	Elevation / Height (ft)	Marking / Type, Colour	Remarks
a	b	c	d	e	f
190	BPRM-44	474148.73N 0674256.91E	32.8 ft (10m)	Lighting	Area 2A
17	Obstacle light No. 17 (MK-043)	474158.09N 0674313.32E	4.9 ft (1.5m)	White	Area 2A
18	Obstacle light No. 18 (MK-043)	474157.49N 0674312.19E	5.2 ft (1.6m)	White	Area 2A

UAKD AD 2.11 Meteorological Information Provided

1	Associated MET Office	Meteorological Service at Zhezkazgan aerodrome
2	Hours of service MET Office outside hour	HO
3	Office responsible for TAF preparation: Periods of validity	Meteorological Service at Zhezkazgan aerodrome, 9HR (0009, 0312, 0615, 0918, 1221, 1524, 1803, 2106)

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, SWL of Kazakhstan;
8	Supplementary equipment AVBL for providing information	Nil
9	ATS units provided with information	Karaganda Regional Briefing Office, "Tower" ATC unit
10	Additional information	Nil

UAKD AD 2.12 Runway Physical Characteristics

Designation s 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
04	51.73°	2601 X 42	34/R/B/X/T CONC+ASPH	474206.51N 0674329.14E - -115.2 FT	THR 1251.3 FT	0.36%
22	231.75°	2601 X 42	34/R/B/X/T CONC+ASPH	474258.68N 0674507.14E - -115.2 FT	THR 1233.9 FT	0.36%

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	400 X 160	2901 X 300	240 X 150	Nil	AVBL	The length of the turn pad on RWY 04 is 110 m, the total width of the turn pad on RWY 04 is 75 m. REF.AD 2.24.1.
Nil	400 X 160	2901 X 300	240 X 150	Nil	AVBL	The length of the turn pad on RWY 22 is 110 m, the total width of the turn pad on RWY 22 is 75 m. REF.AD 2.24.1.

AD 3 HELIPORTS**UATK AD 3**

Note: The following sections in this chapter are intentionally left blank: AD-3.5, AD-3.7, AD-3.13, AD-3.20, AD-3.22, AD-3.23

UATK AD 3.1 Heliport Location Indicator And Name

UATK - D ISLAND

UATK AD 3.2 Heliport Geographical And Administrative Data

1	Heliport reference point coordinates and site at heliport	462630N 0521603E At the centre of TLOF
2	Direction and distance from (city)	160°, 79 km of Atyrau center
3	Elevation/Reference temperature/Mean low temperature	6 FT/26° C
4	Geoid undulation at AD ELEV PSN	-22 FT
5	MAG VAR/Annual Change	9° E (2021) / 0.07°
6	Heliport operator, address, telephone, telefax, telex, AFS	Post: Heliport Administration (Operator) Republic of Kazakhstan, 060011, Atyrau, 2 Kameshev Ibat Street. Phone: +7 (7122) 506010 Phone: +7 (7122) 506120 Phone: +7 (7122) 506141 AFS: UATGYXYX Email: admin@crs.kz
7	Types of traffic permitted (IFR/VFR)	IFR-VFR
8	Remarks	Nil

UATK AD 3.3 Operational Hours

1	Heliport	ANY 02:00 - 14:00 Phone: +7 (7122) 929181
	Heliport operator	ANY 04:00 - 13:00 UTC Phone: +7 (7122) 506010/ 506120/ 506141
2	Customs and immigration	Nil
3	Health and sanitation	H24 Phone: +7(701) 0099091
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	ANY 02:00 - 14:00 UTC Phone: +7(7122) 929005 AFS: UATGYKYD Email: DIsland.ATC@ncoc.kz

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6	MET Briefing Office	ANY 02:00 - 14:00 UTC Phone: +7 (7122) 929181 Email: DIsland.HLO@ncoc.kz
7	ATS	ANY 02:00 - 14:00 UTC Outside published hours — available by prior request only
8	Fuelling	Nil
9	Handling	ANY 02:00 - 14:00
10	Security	H24
11	De-icing	ANY 02:00 - 14:00
12	Remarks	Nil

UATK AD 3.4 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 helicopter	Nil
6	Repair facilities for visiting helicopter	Nil
7	Remarks	Nil

UATK AD 3.5 Passenger Facilities

NIL

UATK AD 3.6 Rescue And Fire Fighting Services

1	Heliport category for fire fighting	CAT - B2
2	Rescue equipment	Fixed monitor nozzle "EUSEBI IMPIANTI 4" ANSI 150 lb RF" — 3 units, discharge capacity 3,100 L/min each. "Mirkulovsky" AFFF 1% foam concentrate — 3 tanks, 400 L each. Hydrant (handline) — 2 units, total discharge capacity 800 L/min. Dry chemical powder extinguishers OP-50(Z) — 2 units, 50 kg each. Carbon dioxide fire extinguishers (OU-25) — 9 units, 20 kg each. Standby emergency rescue vessel.
3	Capability for removal of disabled aircraft	AVBL: pedestal crane "Liebherr", lifting capacity 22 tonnes.
4	Remarks	Nil

UATK AD 3.7 Seasonal Availability - Clearing

NIL

UATK AD 3.8 Aprons, Taxiways And Check Locations/Positions Data

1	Surface and strength of aprons and helicopter stands	Nil
2	Designation, width and surface type of helicopter ground taxiways	Nil
3	Width and designation of helicopter air taxiway and air transit route	Nil
4	Altimeter checkpoint location and elevation	Nil
5	Location of VOR checkpoints	Nil
6	Position of INS checkpoints	Nil
7	Remarks	Nil

UATK AD 3.9 Markings And Markers

1	Final Approach and Take-Off Markings	Nil
2	Taxiway markings Air taxiway markers	Nil
3	Remarks	Nil

UATK AD 3.10 Heliport obstacles**Within the Obstacle Limitation Sector (OLS) 150°**

Obstacle designation	Obstacle type	Geographical coordinates (WGS-84)	Distance from centre, MAG bearing	Elevation, M / FT	Height above heliport elevation, M / FT	Marking / Lighting
1- №61	Crane (Module 10)	462639N 0521602E	31,4 m 199°	23 m 75,50 FT	21,10 m 69,20 FT	- / L
2- №16	Wind sock	462630N 0521601E	40,0 m 257°	3,44m 11,30 FT	1,54m 5,50 FT	M / L
3- №17	Antenna (Module 12)	462630N 0521602E	32,1 m 258°	6,66 m 21,90 FT	4,76 m 15,60 FT	- / -
4- №19	Antenna (Module 12)	462630N 0521600E	56,2 m 265°	11,60 m 38,00 FT	9,70 m 31,80 FT	- / -
5- №64	Crane (Module 9)	462628N 0521600E	106,6 m 208°	12,00 m 39,40 FT	10,10 m 33,10 FT	- / -
6- №66	Crane	462630N 0521557E	126,3 m 257°	12,00 m 39,40 FT	10,10 m 33,10 FT	- / -
7- №47	Flare stack (D Island)	462603N 0521617E	885,4 m 150°	64,00 m 209,90 FT	62,10 m 203,70 FT	- / -

Within the Obstacle-Free Sector (OFS) 210°

All obstacles within the 210° sector are below the elevation of D ISLAND heliport.

UATK AD 3.11 Meteorological Information Provided

1	Associated MET Office	Meteorological service at Tengiz aerodrome Phone: +7 (7122) 929181
2	Hours of service MET Office outside hour	ANY 02:00 - 14:00 UTC
3	Office responsible for TAF preparation: Periods of validity	Meteorological service at Atyrau aerodrome, 24 HR (00–24, 06–06, 12–12, 18–18) Phone: +7 (7122) 209402, 983178
4	Trend forecast Interval of issuance	TREND 30 min provided by Atyrau aerodrome meteorological service
5	Briefing/consultation provided	Individual consultation (Russian): D ISLAND heliport meteorological service
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	TOWER
10	Additional information	Nil

UATK AD 3.12 Heliport Data

1	Heliport type	Elevated above surface; located on Module 12 (accommodation module) in the northern part of artificial island "D"
2	TLOF dimensions	25,38 M
3	FATO True bearings	131° – 311° / 122° – 302° (heading "N")
4	FATO dimensions and SFC type	25.38 m Ribbed aluminium
5	TLOF, SFC and BRG strength	Ribbed aluminium (load-bearing capacity 13 tonnes), octagonal in shape, painted green, with a yellow aiming circle in the centre, containing a white letter "H". The surface of the aiming circle is covered with a landing net.
6	Coordinates of geometric centre TLOF or THR of FATO and geoid undulation	462630N 0521603E Centre of TLOF -22 FT (-7 m)
7	TLOF/FATO, elevation and slope	6,23 FT (1,90 m)
8	Safety area dimensions	A safety net 1.5 m wide is installed around the perimeter of the FATO/TLOF.
9	HEL CWY dimensions	Nil
10	Obstacle-free sector	210° (296° - 146° / 287° - 137°)
11	Remarks	FATO coincides with TLOF.

UATK AD 3.13 Declared Distances

NIL

UATK AD 3.14 Approach And FATO Lighting

1	Approach lighting system type, length and intensity	Nil
2	Type of visual approach slope indicator system	Nil
3	Characteristics and location of FATO area lights	Perimeter lights at 2.2 m intervals — 36 units, IMT-LED-PERI (green), 35 cd. Floodlights — 11 units installed around the perimeter, TNXCX130-Bartec Technor (white), 10 lx.
4	Characteristics and location of aiming point lights	Nil
5	Characteristics and location of TLOF lighting system	FATO coincides with TLOF (see item 3).
6	Remarks	Nil

UATK AD 3.15 Other Lighting, Secondary Power Supply

1	Heliport BCN location and characteristics Hours of operation	Nil
2	WDI Location and LGT	Located 40.0 m from the centre at a magnetic azimuth of 257°. It consists of an illuminated cone, 1.5 m long, positioned 2 m above the heliport level and painted in alternating red and white stripes.
3	TWY edge and centre line lighting	Nil
4	Secondary power supply/switch-over time	0 sec
5	Remarks	Nil

UATK AD 3.16 Air Traffic Services Airspace

1	Designation and lateral limits	D ISLAND CTR 470132N 0521834E - 461827N 0524636E - 460519N 0520434E - 465304N 0512521E then a clockwise arc radius 22 NM centered on 470838N 0514805E - 470132N 0521834E
2	Vertical limits	3000 FT ALT / GND
3	Airspace classification	C
4	ATS unit call sign Language(s)	D ISLAND TOWER (EN) D ISLAND VYSHKA (RU)
5	Transition altitude	10000 FT
6	Hours of applicability	ANY - 02:00 - 14:00 UTC
7	Remarks	For flight planning within D ISLAND CTR outside published hours, air traffic control service is provided by prior request submitted via AFTN to: UATGYKYD (UATGYKYD), UATGYKYX (UATGYKYX).

UATK AD 3.17 ATS Communication Facilities

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	D ISLAND TOWER (EN)	131,175 MHZ	ANY 02:00 - 14:00 UTC	Primary frequency
	D ISLAND VYSHKA (RU)	127,925 MHZ		Secondary frequency
		121,500 MHZ		Emergency frequency
	D ISLAND RADIO	6475 KHZ		

UATK AD 3.18 Radio Navigation And Landing Aids

1	Type of aid, magnetic variation (for VOR, magnetic variation to be given), type of operation	NDB
2	Identification	DL
3	Frequency	450 KHZ
4	Hours of operation	ANY 02:00 14:00 UTC
5	Coordinates of transmitting antenna site	462630N 0521603E
6	Elevation of transmitting antenna DME	Nil
7	Remarks	Nil

UATK AD 3.19 Local Heliport Regulations

1. Taxiing

Not applicable.

2. Take-off and landing

Take-offs and landings at "D ISLAND" heliport shall be performed only by aircraft (helicopters) in accordance with Class 1 performance requirements specified in the Aircraft Flight Manual.

Prior to commencing a flight, the flight crew shall establish communication with "D ISLAND – Tower" on frequency 131.175 MHZ before engine start, request start-up clearance, obtain the latest weather information and ATC clearance for departure. Prior to take-off from "D ISLAND" heliport, the flight crew shall report readiness for take-off, the magnetic take-off heading and the initial climb altitude to "D ISLAND – Tower".

Upon receiving the take-off readiness report, "D ISLAND – Tower" shall clear the aircraft for take-off on the magnetic heading and to the altitude requested by the flight crew and shall provide the conditions for departure.

The flight crew shall take off immediately after receiving take-off clearance.

When conducting an approach to land, the flight crew shall report the altitude and magnetic heading for the approach to "D ISLAND – Tower" on the working frequency 131.175 MHz.

After establishing on the final approach track, the flight crew shall report the magnetic heading and readiness for landing to "D ISLAND – Tower" and shall report landing after it has been completed.

"D ISLAND – Tower" shall clear the aircraft to conduct the approach on the magnetic heading requested by the flight crew and shall provide the conditions for conducting the approach.

After receiving the flight crew's report of readiness for landing on the final approach track, "D ISLAND – Tower" shall issue landing clearance for "D ISLAND" heliport.

The final decision to conduct a take-off or landing under weather conditions that do not meet the applicable requirements shall be made by the aircraft commander. In such cases, ATC clearance for take-off or landing shall not be construed as requiring the aircraft commander to conduct the take-off or landing. Responsibility for the decision and the outcome of the take-off or landing rests with the aircraft commander.

Take-offs and landings shall be conducted only within the Obstacle-Free Sector (OFS) of 210°.

3.Procedures for low visibility conditions

NIL

4. Training flights, check flights (inspection flights)

Training flights and check flights (inspection flights) by aircraft operating under IFR shall be conducted in accordance with the established instrument take-off and approach procedures. After take-off, the flight crew shall comply with the conditions specified by ATC for joining the approach procedure.

Depending on traffic intensity and restrictions in force, the senior controller may limit the number of aircraft to one aircraft at each altitude, suspend or prohibit training flights.

Check flights (inspection flights) for the verification of ground-based radio navigation aids shall be conducted in accordance with approved programmes at any time of day under meteorological conditions permitting flight inspection of these aids.

5. Use of D ISLAND heliport

Use of the heliport is permitted only to aircraft operators holding authorization from NCOC N.V. Use of the heliport by other aircraft operators (airlines) is permitted subject to a prior request to the heliport operator's administration and subsequent authorization from NCOC N.V.

D ISLAND heliport:

JSC "Caspian Radio Services"

Phone: +7 (7122) 929005 (DPV controller)

Phone: +7 (777) 929181 (SPV)

AFS: UATGYKYD

Email: DIsland.ATC@ncoc.kz

UATK AD 3.20 Noise Abatement Procedures

NIL

UATK AD 3.21 Flight procedures

GENERAL PROVISIONS

Type of service provided: air traffic control service using procedural control procedures.

The installed ADS-B equipment may be used only as an auxiliary means, as not all aircraft are equipped with transponders and full surveillance of air traffic cannot be provided using this surveillance system.

IFR and VFR flights are conducted within the vicinity of D ISLAND heliport.

For IFR and VFR flights within the control zone (CTR) of D ISLAND heliport, it is required to:

- obtain ATC clearance prior to entering the area of responsibility;

- report position upon request from the ATS unit;

- comply with ATC instructions;

- establish and continuously maintain two-way VHF radio communication.

IFR and VFR flights shall be conducted at assigned altitudes in accordance with vertical separation requirements, applying the principle of one aircraft at one altitude.

IFR flights have priority over VFR flights.

IFR and VFR (SVFR) flights shall be conducted at altitudes from the minimum safe height up to an altitude of 2,500 ft based on QNH.

Clearance for an aircraft operating within the area of responsibility of "D ISLAND Tower" to climb above 2,000 ft shall be issued only after coordination of the requested climb altitude with "Atyrau Tower".

In the absence of such coordination, clearance for an aircraft to climb above 2,000 ft shall not be issued (climb is prohibited).

When entering the control zone (CTR) from uncontrolled airspace, the flight crew shall obtain ATC clearance 5 minutes before the estimated time of entry into controlled airspace.

When necessary, arriving aircraft may be instructed to enter the holding area to establish the required time interval.

In the event of a threat to flight safety, deviation from the assigned altitude and the planned track is permitted. In the event of deviation from the established track or assigned altitude, the pilot-in-command shall immediately inform the ATS unit under whose control the aircraft is operating of the actions taken.

Real-time information on activities within restricted, prohibited and danger areas located within the heliport area, as well as clearance for overflight or a routing to avoid such areas, is provided by "D ISLAND – Tower".

IFR FLIGHT PROCEDURES WITHIN THE CONTROL ZONE (CTR)

Take-off and initial climb shall be conducted via standard routes specified on the Standard Instrument Departure (SID) charts.

Arrivals shall be conducted via standard routes specified on the Standard Instrument Arrival (STAR) charts using the D ISLAND heliport NDB (DL).

Flight crews shall adhere to the prescribed standard departure (SID) and arrival (STAR) routes and, in the event of deviation, shall immediately return to the assigned track.

For IFR operations, time-based separation is applied, with monitoring of aircraft equipped with transponders using the ADS-B system display.

VFR FLIGHT PROCEDURES WITHIN THE CONTROL ZONE (CTR)

All VFR flights within the control zone shall be conducted at a minimum safe height of 300 ft, unless otherwise instructed by the "Tower" controller. Flight altitudes are assigned by the "Tower" controller without taking account of artificial obstacles.

Avoidance of artificial obstacles shall be the responsibility of the flight crew.

Entry into the CTR

VFR aircraft shall enter the control zone via the entry points specified in Table 1.

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After passing the entry point, "D ISLAND – Tower" shall clear the aircraft to proceed by the shortest route, subject to the prevailing traffic situation.

When holding is required, "D ISLAND – Tower" shall instruct the flight crew to hold over the designated point, specifying the direction of turns and altitude.

The following holding areas are established within the CTR:

1. NDB DL — over "D ISLAND" heliport; the direction of turns, holding pattern and altitude shall be determined by the D ISLAND heliport DPV controller.
2. Over the entry/exit points specified in Table 1 — the direction of turns, holding pattern and altitude shall be determined by "D ISLAND – Tower" in coordination with "Atyrau – Tower".

Exit from the CTR

VFR aircraft shall exit the control zone via the exit points specified in Table 1, using the shortest route unless otherwise instructed by "D ISLAND – Tower".

VFR Transit Flights through the CTR

VFR aircraft transiting the control zone shall proceed via the entry/exit points specified in Table 1 or by the shortest route, based on the entry/exit point and flight altitude agreed in advance with "D ISLAND – Tower", subject to the prevailing traffic situation.

№ п.п.	Reporting point name	Geographical coordinates	Radial/Bearing (MAG) and distance from NAVAID	Remarks
1	DELTA	46 49 41 N 051 31 42 E	202°22.0 nm ATR (112.3) DVOR/DME (Atyrau)	Entry/exit, holding
			299° / 38.4 NM from the D ISLAND heliport reference point (HRP)	
2	TANGO	46 48 48 N 052 01 58 E	145°22.0 nm ATR (112.3) DVOR/DME (Atyrau)	Entry/exit, holding
			328° / 24.4 NM from the D ISLAND heliport reference point (HRP)	
3	KLAUD	46 38 41 N 052 33 32 E	125°43.4 nm ATR (112.3) DVOR/DME (Atyrau)	Entry/exit, holding
			036° / 17.1 NM from the D ISLAND heliport reference point (HRP)	
4	KANTA	46 18 27 N 052 46 36 E	264° 27.0 nm TGZ (113.9) DVOR/DME (Tengiz)	Entry/exit, holding
			102° / 22.6 NM from the D ISLAND heliport reference point (HRP)	
5	ARKTU	46 05 19 N 052 04 34 E	249° 57.5 nm TGZ (113.9) DVOR/DME (Tengiz)	Entry/exit, holding
			92° / 22.6 NM from the D ISLAND heliport reference point (HRP)	
6	MAKSU	46 25 27 N 051 48 12 E	171°43.3 nm ATR (112.3) DVOR/DME (Atyrau)	Entry/exit, holding
			258° / 19.3 NM from the D ISLAND heliport reference point (HRP)	

Note: The specified entry/exit points, as well as the electronic CTR chart of "D ISLAND" heliport, are displayed on the screen of the ADS-B surveillance system installed at the "Tower" control unit.

Minimum meteorological conditions for VFR

By day:

- Height of cloud base: 500 ft (indicated airspeed 140 kt and below); 1,000 ft (indicated airspeed 141–250 kt);
- Meteorological visibility: 2,000 m (indicated airspeed 140 kt and below); 5,000 m (indicated airspeed 141–250 kt).

By night:

- Height of cloud base: 1,000 ft (indicated airspeed 140 kt and below);
- Meteorological visibility: 5,000 m (indicated airspeed 140 kt and below).

Minimum meteorological conditions for Special VFR (SVFR)

For urgent flights conducted for healthcare services, search and rescue, emergency rescue operations and training flights:

By day(helicopters):

- Height of cloud base: 500 ft;
- Meteorological visibility: 1,000 m.

By day(aeroplanes):

- Height of cloud base: 500 ft;
- Meteorological visibility: 1,500 m.

By night(helicopters):

- Height of cloud base: 1,000 ft;
- Meteorological visibility: 4,000 m

By night(Aeroplanes):

- Height of cloud base: 1,500 ft;
- Meteorological visibility: 4,000 m.

Flights with external sling loads

Flights with external sling loads shall be conducted in accordance with the Rules for Flight Operations in Civil Aviation of the Republic of Kazakhstan, the requirements of the Aircraft Flight Manual (AFM), and the operator's Flight Operations Manual.

Helicopter flights with external sling loads within the control zone shall be conducted under VFR, avoiding offshore facilities that are not designated as cargo delivery points.

RADIO COMMUNICATION FAILURE (LOSS OF COMMUNICATION)

Warning: The procedures to be followed in the event of radio communication failure differ from ICAO Standards, Recommended Practices and procedures (ICAO Annex 2).

In the event of radio communication failure, the flight crew shall:

- select the emergency transponder code 7600;
- use the emergency frequency 121.5 MHz and establish communication with other aircraft and ATS units;
- monitor the NDB frequency (450 kHz) to receive information and instructions from the controller;
- in the event of radio communication failure after take-off, land or proceed to the destination aerodrome in accordance with the conditions issued by the ATS unit, or at the specially designated flight levels FL140 or FL150, depending on the direction of flight;
- approach the heliport and conduct the approach in accordance with the established approach procedure;
- when flying without radio communication at night, indicate the aircraft's position by periodically switching on the landing lights or flashing the aircraft's navigation lights.

EMERGENCY LANDING PROCEDURE

In the event of an emergency involving the aircraft during the take-off phase, the aircraft commander shall determine the manoeuvre required to ensure safety.

GROUND MOVEMENT PROCEDURES

Taxiing of aircraft to and from the parking stand shall be carried out in accordance with the signals of the responsible person of the aerodrome operator's production service responsible for the arrival and departure of aircraft.

REMOVAL OF DISABLED AIRCRAFT FROM THE WORKING AREA OF THE HELIPORT

Removal of aircraft that have become disabled shall be carried out jointly by the aerodrome owner, the heliport operator and the aircraft operator.

UATK AD 3.22 Additional Information

NIL

UATK AD 3.23 Charts Related To A Heliport

NIL

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