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AIRAC

AIP AMDT

01/25

Effective date: **23 JAN 25**

Publication date: **12 DEC 24**

Агуулга:

Content:

- AD 2-ZMKD-9 Хэрэглэлээр нисэн гарах стандарт зураг өөрчлөгдсөн;
AD 2-ZMKD-13 Хэрэглэлээр ойртолт үйлдэх зураг өөрчлөгдсөн.
- AD 2-ZMKD-9 Changes to the standard departure chart;
AD 2-ZMKD-13 Changes to the instrument approach chart.

1.

1.

Дараах хуудсуудыг устгах: Destroy following pages:			Дараах хуудсуудыг шинээр оруулах: Insert following new pages:		
AD	2-ZMKD-9-1	2 NOV 2023	AD	2-ZMKD-9-1	23 JAN 2025
	2-ZMKD-9-2	2 NOV 2023		2-ZMKD-9-2	23 JAN 2025
	2-ZMKD-9-3	2 NOV 2023		2-ZMKD-9-3	23 JAN 2025
	2-ZMKD-9-4	2 NOV 2023		2-ZMKD-9-4	23 JAN 2025
	2-ZMKD-9-5	2 NOV 2023		2-ZMKD-9-5	23 JAN 2025
	2-ZMKD-9-6	2 NOV 2023		2-ZMKD-9-6	23 JAN 2025
	2-ZMKD-13-1	2 NOV 2023		2-ZMKD-13-1	23 JAN 2025
	2-ZMKD-13-2	2 NOV 2023		2-ZMKD-13-2	23 JAN 2025

2. Гараар бичиж оруулах өөрчлөлт:

NIL

2. Hand amendments:

NIL

3. Өөрчлөлт орсон тухай Өөрчлөлтийн бүртгэл (GEN 0.2)-д тэмдэглэнэ.

3. Incorporation of the amendment shall be entered in the Record of Amendments (GEN 0.2).

4. Энэ өөрчлөлтөд дараах AIP-ын нэмэлт болон NOTAM-ууд орсон бөгөөд цаашид хүчингүйд тооцно.

4. Following AIP SUP and NOTAMs have been incorporated in this AIP AMDT and therefore cancelled.

AIP SUP NIL

AIP SUP NIL

NOTAM NIL

NOTAM NIL

ТӨГСӨВ

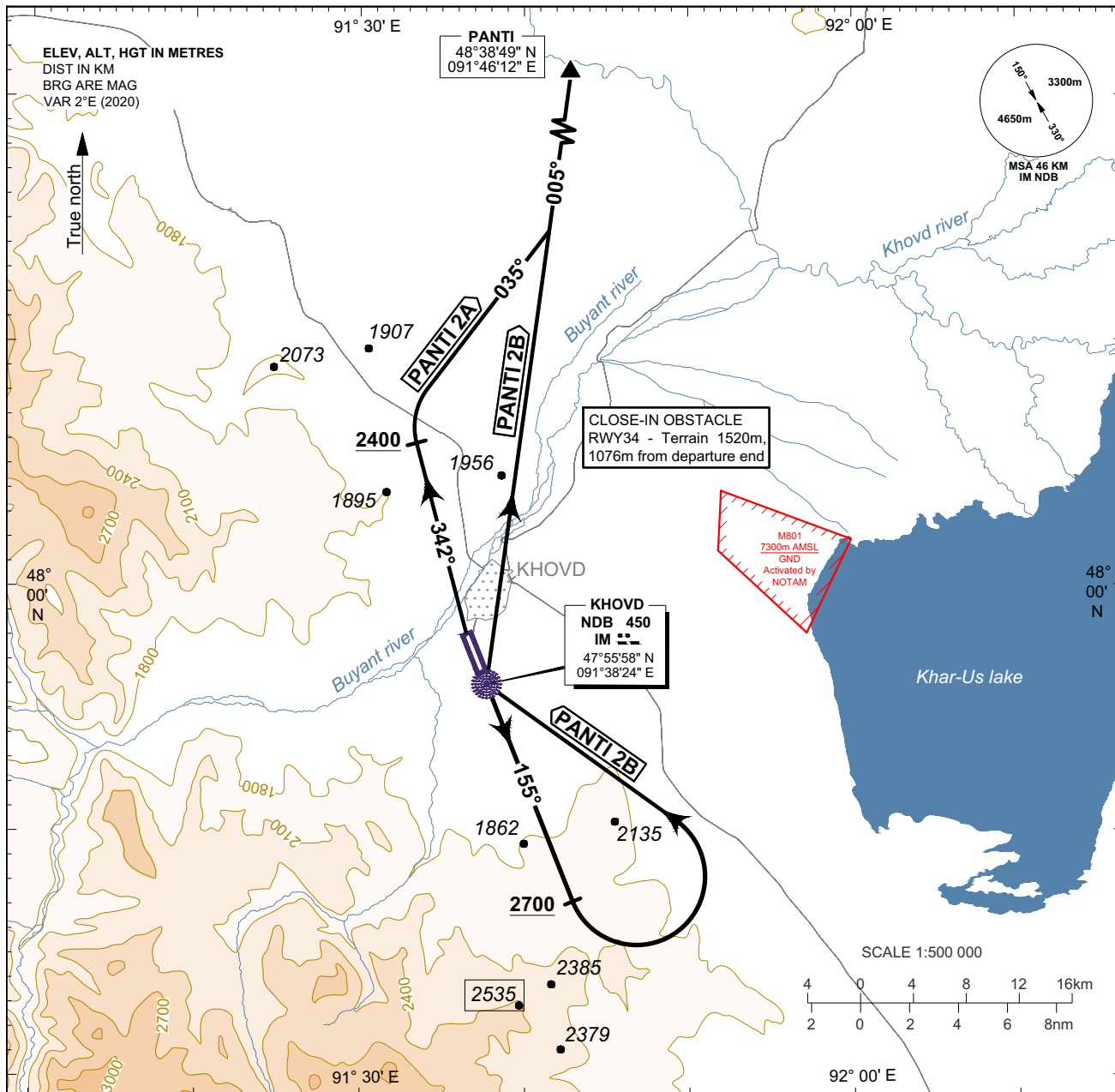
- END -

**STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO**

AERODROME ELEV - 1495
HEIGHTS RELATED TO
THR RWY 16 - ELEV 1448
THR RWY 34 - ELEV 1495

APP 130.000

KHOVD/Khovd (ZMKD)
RWY 16/34
PANTI 2A/2B
ACFT CAT A/B/C



For PANTI 2A:

Climb **HDG 342°** to at or above **ALT 2400**, climbing right turn to **HDG 035°**, then intercept track **005°** to **PANTI**.

PDG: 5.3% is required until **ALT 2400**.

For PANTI 2B:

Climb **HDG 155°** to at or above **ALT 2700**, climbing left turn direct to **IM NDB**, then on track **005°** to **PANTI**.

PDG: 5.3% is required until **ALT 2700**.

TRANSITION ALTITUDE 3900
TRANSITION ALTITUDE 4200 (QNH≥1031hPa)

VIS	550m								
		200	250	300	350	400	450	500	550
Ground Speed	km/h	200	250	300	350	400	450	500	550
	kt	110	135	160	185	210	235	260	285
Rate of Climb at 5.3%	m/s	2.94	3.68	4.42	5.15	5.89	6.63	7.36	8.10
	ft/min	590	725	859	993	1127	1261	1395	1530
Rate of Climb at 3.3%	m/s	1.83	2.29	2.75	3.21	3.67	4.13	4.58	5.04
	ft/min	368	451	535	618	702	785	869	952

CHANGE: Spot ELEV and conversion table changed; Editorial.

STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO

KHOVD/Khovd (ZMKD)
RWY 16/34
PANTI 2A/2B
ACFT CAT A/B/C

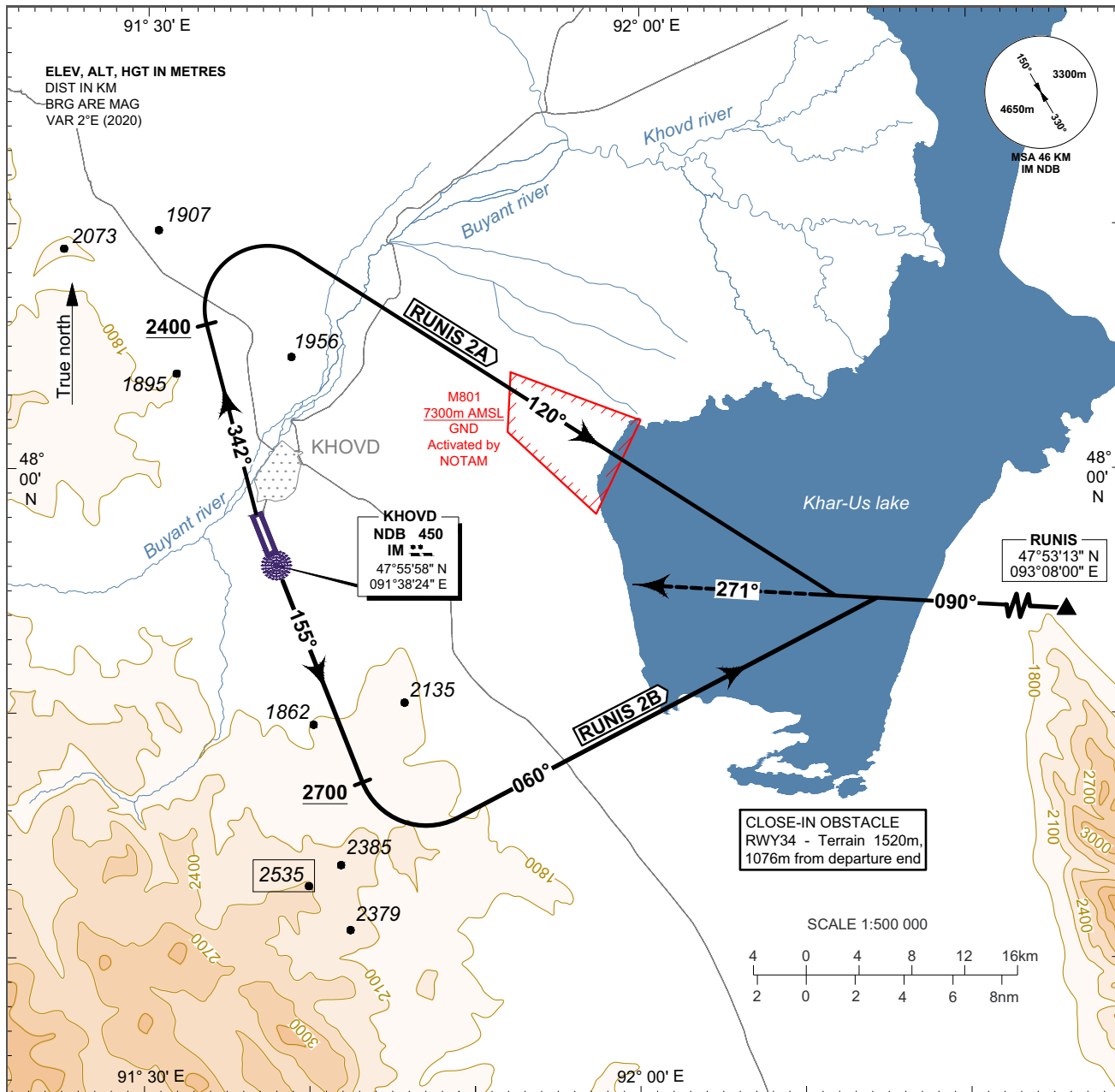
M/FT CONVERSION ELEVATION		M/FT CONVERSION ALTITUDE	
m	ft	m	ft
1076	3530	2400	7880
1448	4751	2700	8860
1495	4905	3300	10830
1520	4987	3900	12800
1800	5905	4200	13780
1862	6109	4650	15260
1895	6217	7300	23950
1907	6256		
1956	6417		
2073	6801		
2100	6890		
2135	7005		
2379	7805		
2385	7825		
2400	7874		
2535	8317		
2700	8858		
3000	9842		

STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO

AERODROME ELEV - 1495
HEIGHTS RELATED TO
THR RWY 16 - ELEV 1448
THR RWY 34 - ELEV 1495

APP 130.000

KHOVD/Khovd (ZMKD)
RWY 16/34
RUNIS 2A/2B
ACFT CAT A/B/C



For RUNIS 2A:

Climb **HDG 342°** to at or above **ALT 2400**, climbing right turn to **HDG 120°**, then intercept track **090°** to **RUNIS**.

PDG: 5.3% is required until **ALT 2400**

For RUNIS 2B:

Climb **HDG 155°** to at or above **ALT 2700**, climbing left turn to **HDG 060°**, then intercept track **090°** to **RUNIS**.

PDG: 5.3% is required until **ALT 2700**

VIS	550m								
Ground Speed	km/h	200	250	300	350	400	450	500	550
	kt	110	135	160	185	210	235	260	285
Rate of Climb at 5.3%	m/s	2.94	3.68	4.42	5.15	5.89	6.63	7.36	8.10
	ft/min	590	725	859	993	1127	1261	1395	1530
Rate of Climb at 3.3%	m/s	1.83	2.29	2.75	3.21	3.67	4.13	4.58	5.04
	ft/min	368	451	535	618	702	785	869	952

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STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO

KHOVD/Khovd (ZMKD)
RWY 16/34
RUNIS 2A/2B
ACFT CAT A/B/C

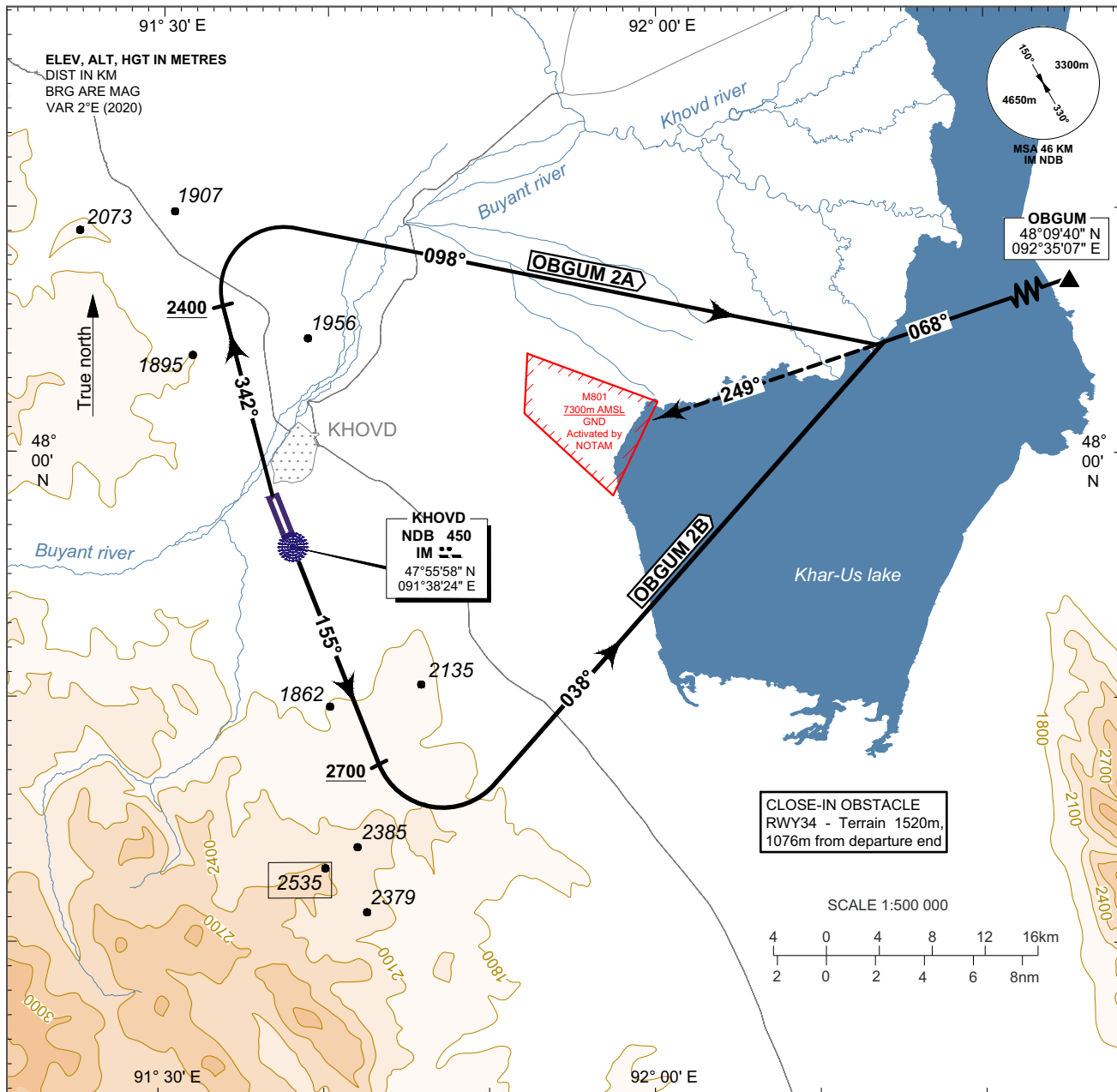
M/FT CONVERSION ELEVATION		M/FT CONVERSION ALTITUDE	
m	ft	m	ft
1076	3530	2400	7880
1448	4751	2700	8860
1495	4905	3300	10830
1520	4987	3900	12800
1800	5905	4200	13780
1862	6109	4650	15260
1895	6217	7300	23950
1907	6256		
1956	6417		
2073	6801		
2100	6890		
2135	7005		
2379	7805		
2385	7825		
2400	7874		
2535	8317		
2700	8858		
3000	9842		

STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO

AERODROME ELEV - 1495
HEIGHTS RELATED TO
THR RWY 16 - ELEV 1448
THR RWY 34 - ELEV 1495

APP 130.000

KHOVD/Khovd (ZMKD)
RWY 16/34
OBGUM 2A/2B
ACFT CAT A/B/C



For OBGUM 2A:

Climb **HDG 342°** to at or above **ALT 2400**, climbing right turn to **HDG 098°**, then intercept track **068°** to **OBGUM**.

PDG: 5.3% is required until **ALT 2400**.

For OBGUM 2B:

Climb **HDG 155°** to at or above **ALT 2700**, climbing left turn to **HDG 038°**, then intercept track **068°** to **OBGUM**.

PDG: 5.3% is required until **ALT 2700**.

TRANSITION ALTITUDE 3900
TRANSITION ALTITUDE 4200 (QNH≥1031hPa)

VIS	550m								
		200	250	300	350	400	450	500	550
Ground Speed	km/h	110	135	160	185	210	235	260	285
	kt	59	72	85	99	112	126	139	153
Rate of Climb at 5.3%	m/s	2.94	3.68	4.42	5.15	5.89	6.63	7.36	8.10
	ft/min	590	725	859	993	1127	1261	1395	1530
Rate of Climb at 3.3%	m/s	1.83	2.29	2.75	3.21	3.67	4.13	4.58	5.04
	ft/min	368	451	535	618	702	785	869	952

CHANGE: Spot ELEV and conversion table changed; Editorial.

STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO

KHOVD/Khovd (ZMKD)
RWY 16/34
OBGUM 2A/2B
ACFT CAT A/B/C

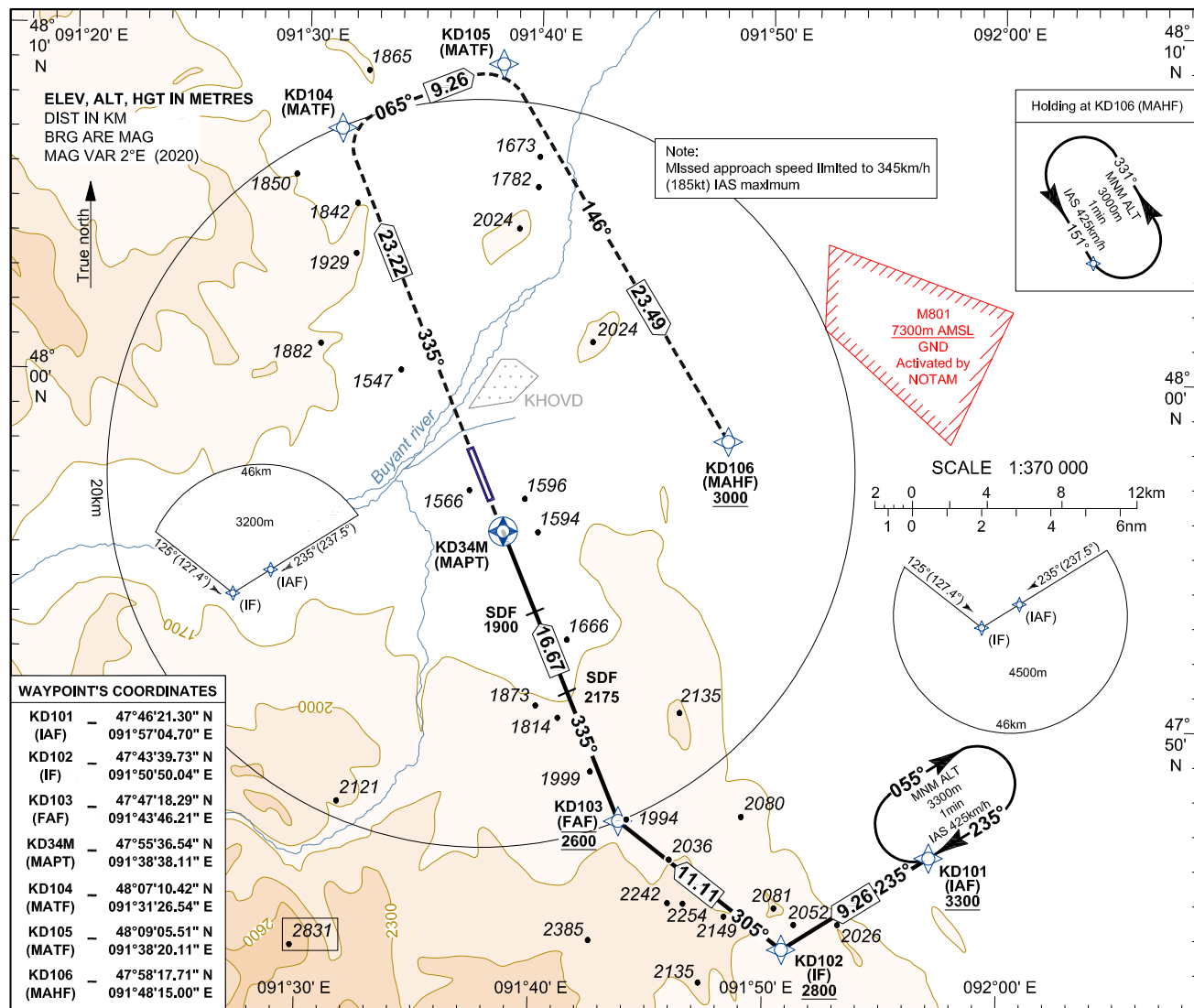
M/FT CONVERSION ELEVATION		M/FT CONVERSION ALTITUDE	
m	ft	m	ft
1076	3530	2400	7880
1448	4751	2700	8860
1495	4905	3300	10830
1520	4987	3900	12800
1800	5905	4200	13780
1862	6109	4650	15260
1895	6217	7300	23950
1907	6256		
1956	6417		
2073	6801		
2100	6890		
2135	7005		
2379	7805		
2385	7825		
2400	7874		
2535	8317		
2700	8858		
3000	9842		

**INSTRUMENT
APPROACH
CHART-ICAO**

AERODROME ELEV 1495
HEIGHTS RELATED TO
THR RWY 34 - ELEV 1495

APP 130.000

KHOVD/Khovd (ZMKD)
RNP RWY 34 (LNAV only)
ACFT CAT A/B/C



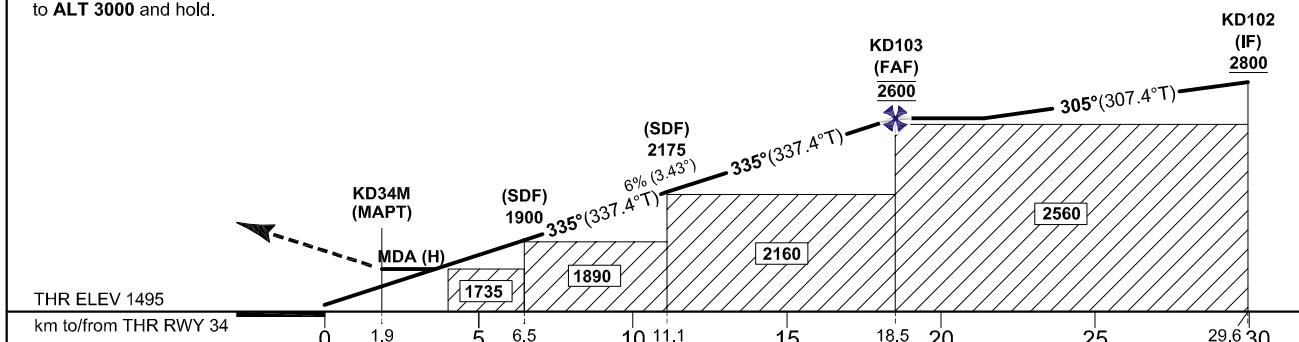
WAYPOINT'S COORDINATES

KD101	47°46'21.30" N	091°57'04.70" E
KD102	47°43'39.73" N	091°50'50.04" E
KD103	47°47'18.29" N	091°43'46.21" E
KD34M	47°55'36.54" N	091°38'38.11" E
KD104	48°07'10.42" N	091°31'26.54" E
KD105	48°09'05.51" N	091°38'20.11" E
KD106	47°58'17.71" N	091°48'15.00" E

MISSED APPROACH:

Climb on track 335° to **KD104**, turn right to **KD105**, turn right to **KD106**, enter **KD106** to **ALT 3000** and hold.

TRANSITION LEVEL 4500
TRANSITION ALTITUDE 3900
TRANSITION ALTITUDE 4200 (QNH≥1031hPa)



CAT of ACFT	A	B	C
LNAV	MDA (H)	1750 (255)	
	OCA (H)	1735 (240)	
VIS			
CAT of ACFT	FULL	ALS Out	
A/B	2400m	2800m	
C	3000m	3400m	

km to NEXT WPT	RWY34	3.7	7.4	11.1	14.8	18.5		
Altitude (Height)		1730 (235)	1950 (455)	2175 (680)	2400 (905)	2600 (1105)		
Ground Speed	km/h	185	204	222	241	259	278	296
	kt	100	110	120	130	140	150	160
Rate of Descent	ft/min	608	668	729	790	851	911	972
FAF-THR 18.52km	min:s	6:00	5:27	5:00	4:37	4:17	4:00	3:45

CHANGE: Spot ELEV and conversion table changed; Editorial.

INSTRUMENT
APPROACH
CHART-ICAO

KHOVD/Khovd (ZMKD)
RNP RWY 34 (LNAV only)
ACFT CAT A/B/C

AERONAUTICAL DATA TABULATION

RNP RWY34

Serial number	Path descriptor	Fix identifier	Flyover	Course °M(°T)	DIST,km	Turn direction	Altitude,m	Speed, (km/h)	Coordinates	VPA/RDH	Navigation specification	Remarks
1	IF	KD101	-	-	-	-	+3300	-	47 46 21.30N 091 57 04.70E	-	RNP APCH	IAF
2	TF	KD102	-	235(237.4)	9.26	-	+2800	-	47 43 39.73N 091 50 50.04E	-	RNP APCH	IF
3	TF	KD103	-	305(307.4)	11.11	-	@2600	-	47 47 18.29N 091 43 46.21E	-	RNP APCH	FAF
4	TF	KD34M	Y	335(337.4)	16.67	-	+1750	-	47 55 36.54N 091 38 38.11E	3.4	RNP APCH	MAPT
5	DF	KD104	-	-	-	R	-	-345	48 07 10.42N 091 31 26.54E	-	RNP APCH	MATF
6	TF	KD105	-	065(067.4)	9.26	R	-	-345	48 09 05.51N 091 38 20.11E	-	RNP APCH	MATF
7	TF	KD106	-	146(148.3)	23.49	-	+3000	-345	47 58 17.71N 091 48 15.00E	-	RNP APCH	MATF
8	HM	KD106	-	151(153.5)	1min	L	+3000	-425	47 58 17.71N 091 48 15.00E	-	RNP APCH	MAHF

HOLDING PROCEDURE

Holding Identification	Path descriptor	Fix identifier	Inbound course °M(°T)	Leg distance (min)	Turn direction	Minimum altitude	Speed limit, (km/h)	Coordinates	VPA/RDH	Navigation specification
RNP RWY 34 (LNAV only)	HM	KD101	235(237.4)	1min	R	3300	-425	47 46 21.30N 091 57 04.70E	-	RNP APCH

M/FT CONVERSION

ELEVATION			
m	ft	m	ft
1495	4905	1999	6558
1547	5075	2000	6562
1566	5138	2024	6640
1594	5230	2026	6647
1596	5236	2036	6680
1666	5466	2052	6732
1673	5489	2080	6824
1700	5577	2081	6827
1782	5846	2121	6959
1814	5951	2135	7005
1842	6043	2149	7050
1850	6069	2242	7356
1865	6119	2254	7395
1873	6145	2300	7546
1882	6174	2385	7825
1929	6329	2600	8530
1994	6542	2831	9288

ALTITUDE	
m	ft
1730	5680
1735	5700
1750	5750
1890	6210
1900	6240
1950	6400
2160	7090
2175	7140
2400	7880
2560	8400
2600	8540
2800	9190
3000	9850
3200	10500
3300	10830
3900	12800
4200	13780
4500	14770
7300	23950

LEVEL	
m	ft
4500	14800