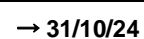


AD CHART



STANDARD DEPARTURE CHART-INSTRUMENT

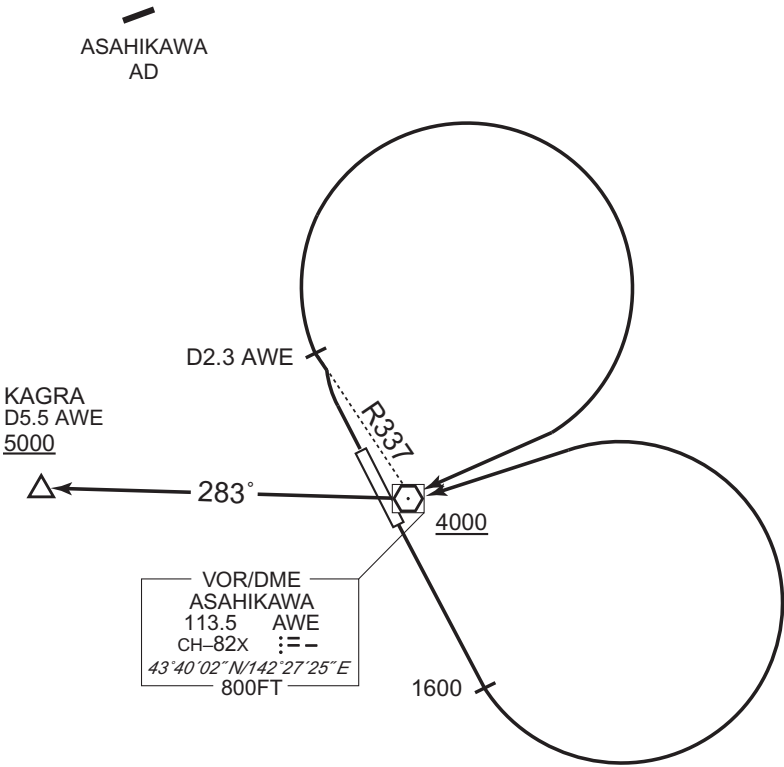
RJEC / ASAHIKAWA

SID

KAGRA FOUR DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left,...
RWY34 : Climb via AWE R337 to 2.3DME, turn right,...
...direct to AWE VOR/DME, via AWE R283 to KAGRA.
Cross AWE VOR/DME at or above 4000FT, cross KAGRA at or above 5000FT.

Note RWY16 : 5.3% climb gradient required up to 1600FT.
OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.
RWY34 : 5.0% climb gradient required up to 1000FT.
OBST ALT 696FT located at 1.4NM 021° FM end of RWY34.



CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJEC / ASAHIKAWA

SID

ASAHIKAWA REVERSAL FIVE DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left HDG320° to intercept and proceed ...

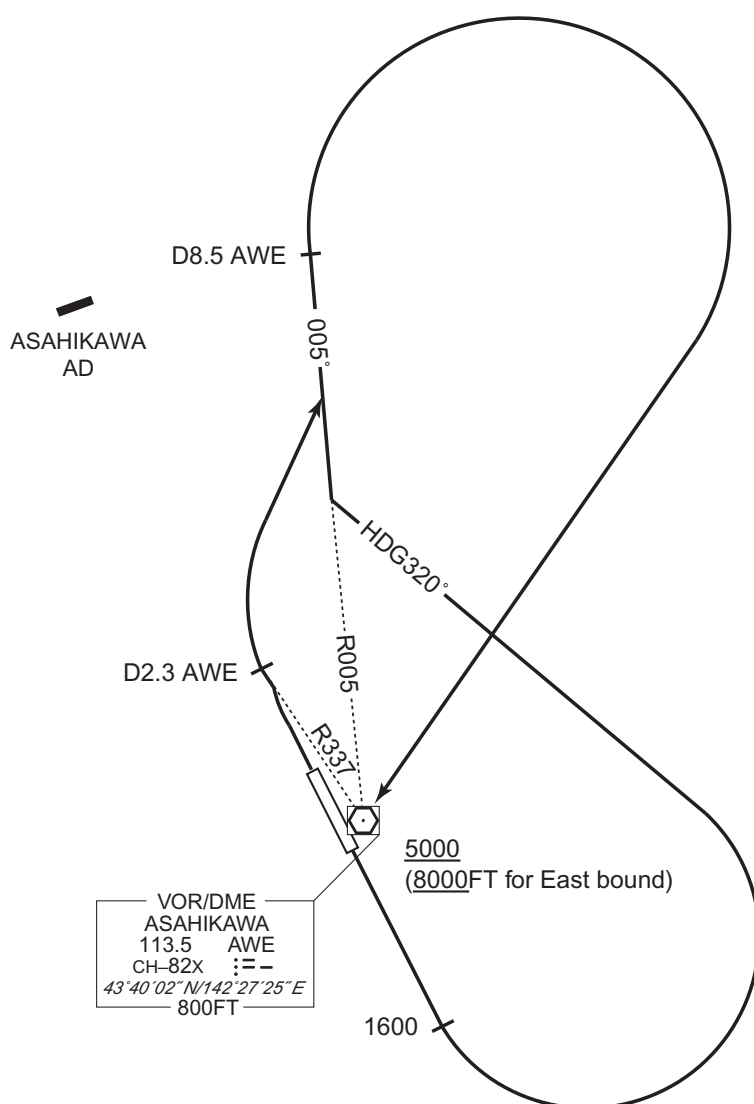
RWY34 : Climb via AWE R337 to 2.3DME, turn right,...

... via AWE R005 to 8.5DME, turn right, direct to AWE VOR/DME.

Cross AWE VOR/DME at or above 5000FT (8000FT for East bound).

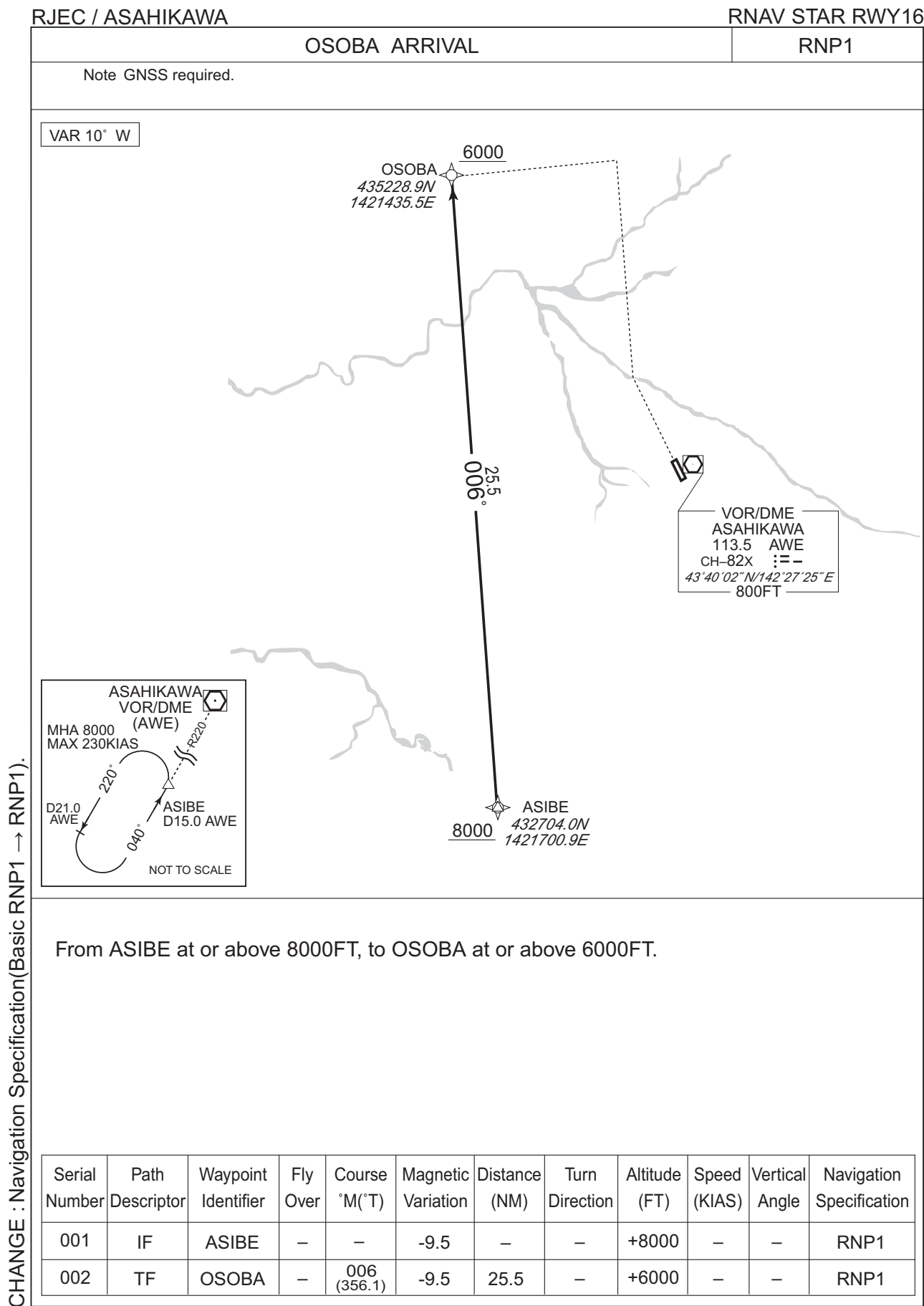
Note RWY16 : 5.3% climb gradient required up to 1600FT.

OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.



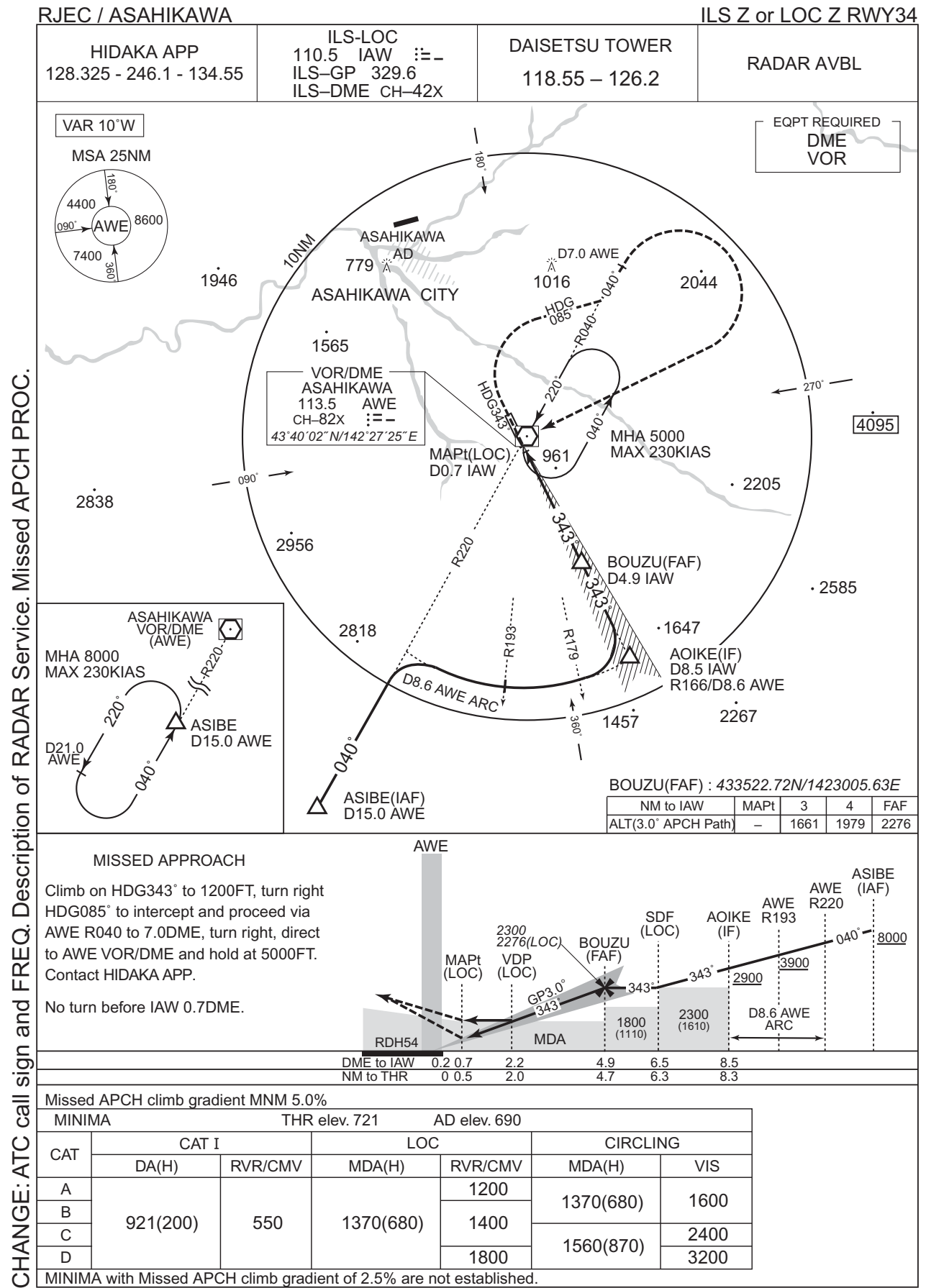
CHANGE : Description of PROC name.

STANDARD ARRIVAL CHART-INSTRUMENT



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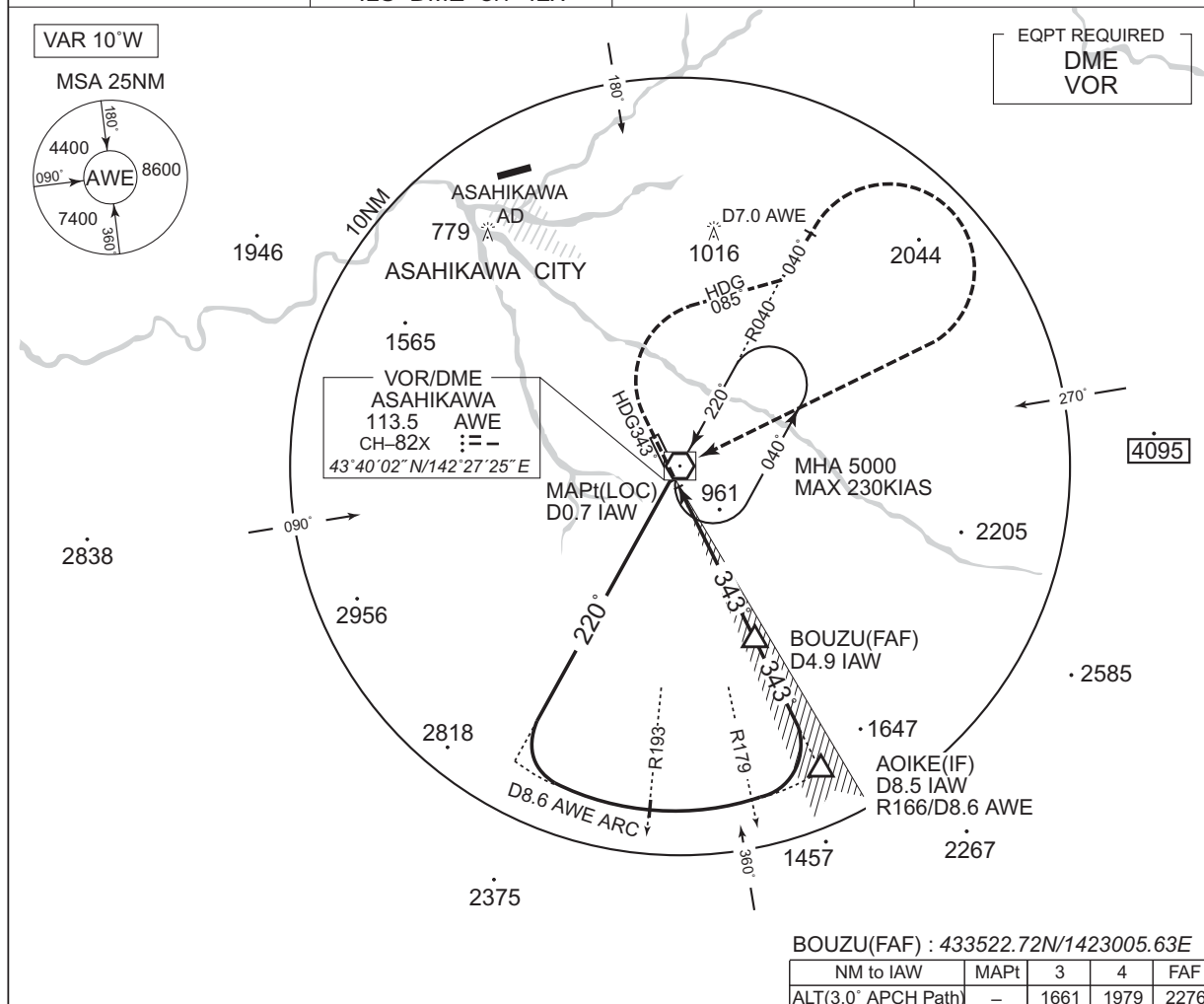
INSTRUMENT APPROACH CHART



CHANGE: ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

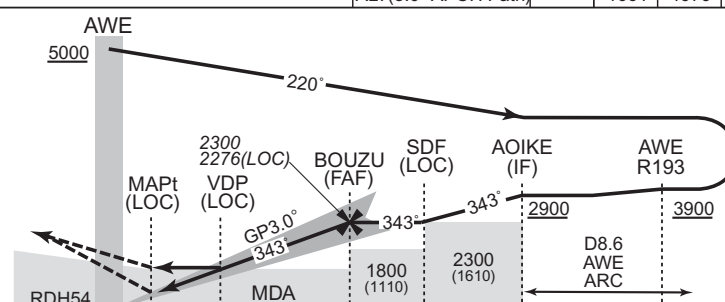
ILS Y or LOC Y RWY34

HIDAKA APP 128.325 - 246.1 - 134.55	ILS-LOC 110.5 IAW 110.5 ILS-GP 329.6 ILS-DME CH-42X	DAISETSU TOWER 118.55 - 126.2	RADAR AVBL
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Climb on HDG343° to 1200FT, turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT. Contact HIDAKA APP.

No turn before IAW 0.7DME.



DME to IAW	0.2	0.7	2.2	4.9	6.5	8.5
NM to THR	0	0.5	2.0	4.7	6.3	8.3

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 721		AD elev. 690		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	921(200)	550	1370(680)	1200	1370(680)	1600
B				1400		
C				1560(870)	2400	
D						1800

MINIMA with Missed APCH climb gradient of 2.5% are not established.

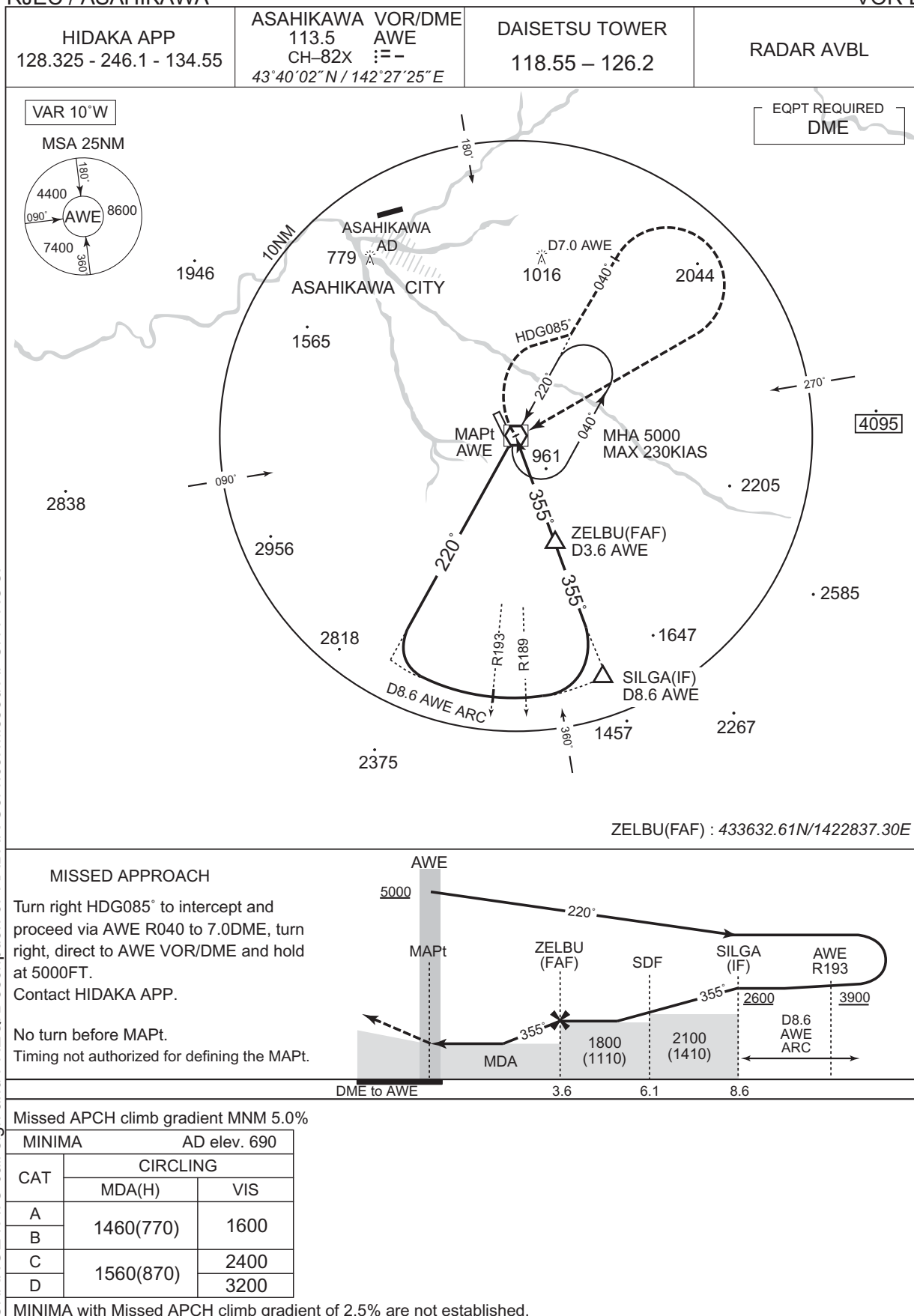
CHANGE: ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.



INSTRUMENT APPROACH CHART

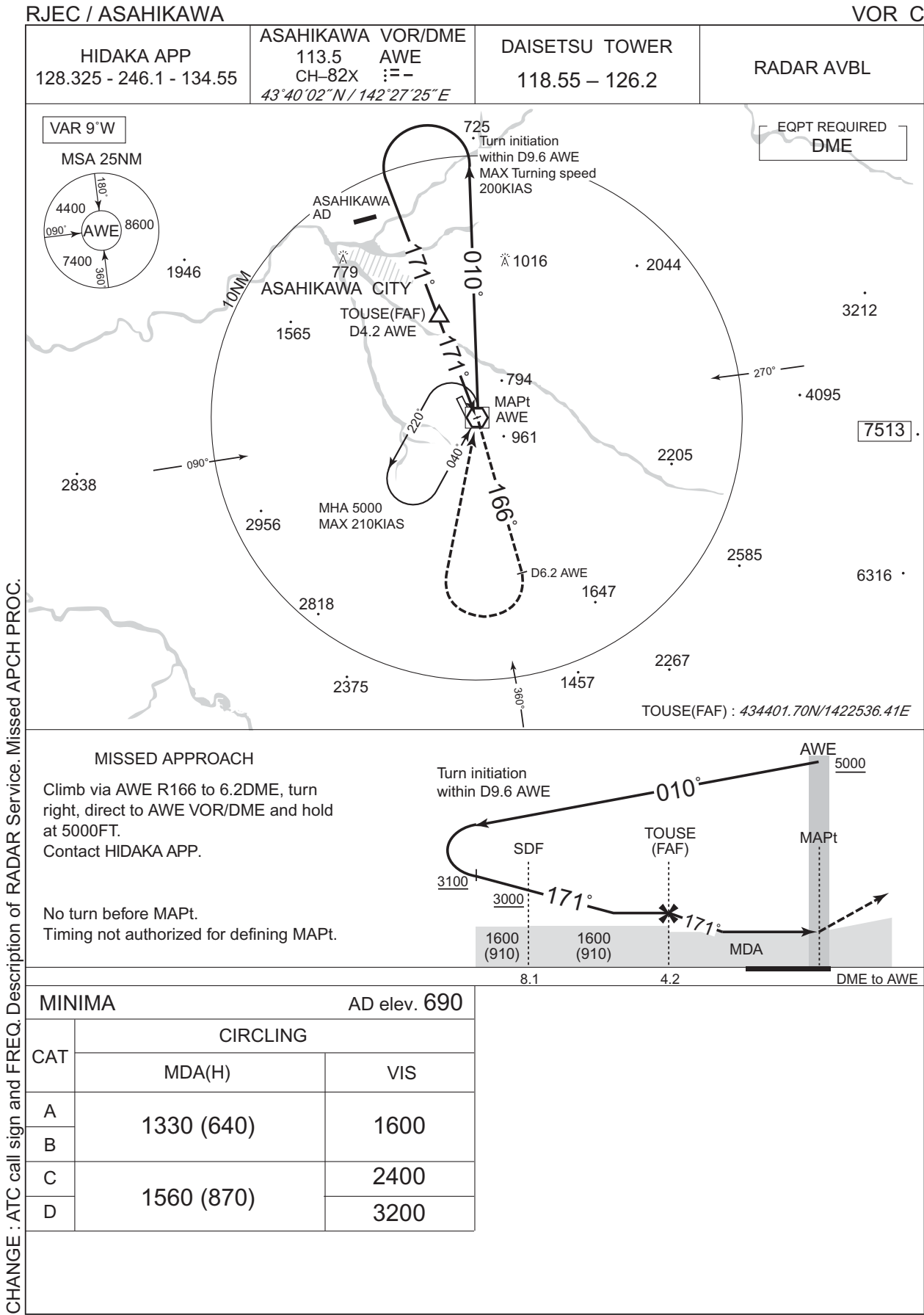
RJEC / ASAHIKAWA

VOR B



CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART



RJEC / ASAHIKAWA

HIDAKA APP
128.325 - 246.1 - 134.55

RNP APCH

DAISETSU TOWER
118.55 - 126.2

RADAR AVBL

VAR 10°W

OSOBA (IAF) 096° (086.0°T) 6.6

PIPPU (IF) 186° (176.1°T) 5.0

YONKA (SDF) 186° (176.2°T) 4.3

TYUBE (FAF) 164° (154.2°T) 3.1

RW16 (MAPt) 164° (154.2°T) 3.1

AWE (MAHF)

EC660 (MATF)

ASAHIKAWA AD 779

ASAHIKAWA CITY 1565

ASAHIKAWA VOR/DME (AWE) 113.5 AWE CH-82X 43°40'02"N/142°27'25"E

OSOBA 435228.85N 1421435.54E

PIPPU 435255.96N 1422342.88E

YONKA 434756.54N 1422410.81E

TYUBE 434339.04N 1422434.78E

RW16 434051.04N 1422626.96E

EC660 433419.98N 1423047.35E

AWE 434002.15N 1422724.65E

RNAV HLDG

MHA 6000 MAX 230KIAS

153°

333°

1MIN

NOT TO SCALE

Using NAV AID

NOT TO SCALE

ASAHIKAWA VOR/DME (AWE)

MHA 5000 MAX 210KIAS

RNAV HLDG

NOT TO SCALE

ASAHIKAWA (AWE)

MHA 5000 MAX 210KIAS

2838

090°

270°

2044

4095

7513

2205

2585

2267

1457

360°

NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0° APCH Path)	1700	1664	1346	1027	-

MISSED APPROACH
Direct to EC660, turn right direct to AWE and hold at 5000FT. Contact HIDAKA APP.

OSOBA (IAF) 6000

PIPPU (IF) 4000

YONKA (SDF) 3000

TYUBE (FAF) 1700

VDP

RW16 (MAPt)

AWE

MDA 1900 (1240)

RDH 50

12.4

7.4

3.1

0.9

0

NM to THR

Missed APCH climb gradient MNM 3.1%

MINIMA		THR elev. 660		AD elev. 690	
CAT	LNAV/VNAV	LNAV	CIRCLING	MDA(H)	VIS
	DA(H)	CMV			
A	Not applicable	1000 (340)	1200	1280 (590)	1600
B			1300	1330 (640)	
C			1400	1560 (870)	2400
D			1600		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.

RJEC / ASAHIKAWA

RNP Y RWY16(AR)

For uncompensated Baro-VNAV systems, procedure not authorized below -30°C / above 45°C



EC652

4

1.5

Authorization Required

MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

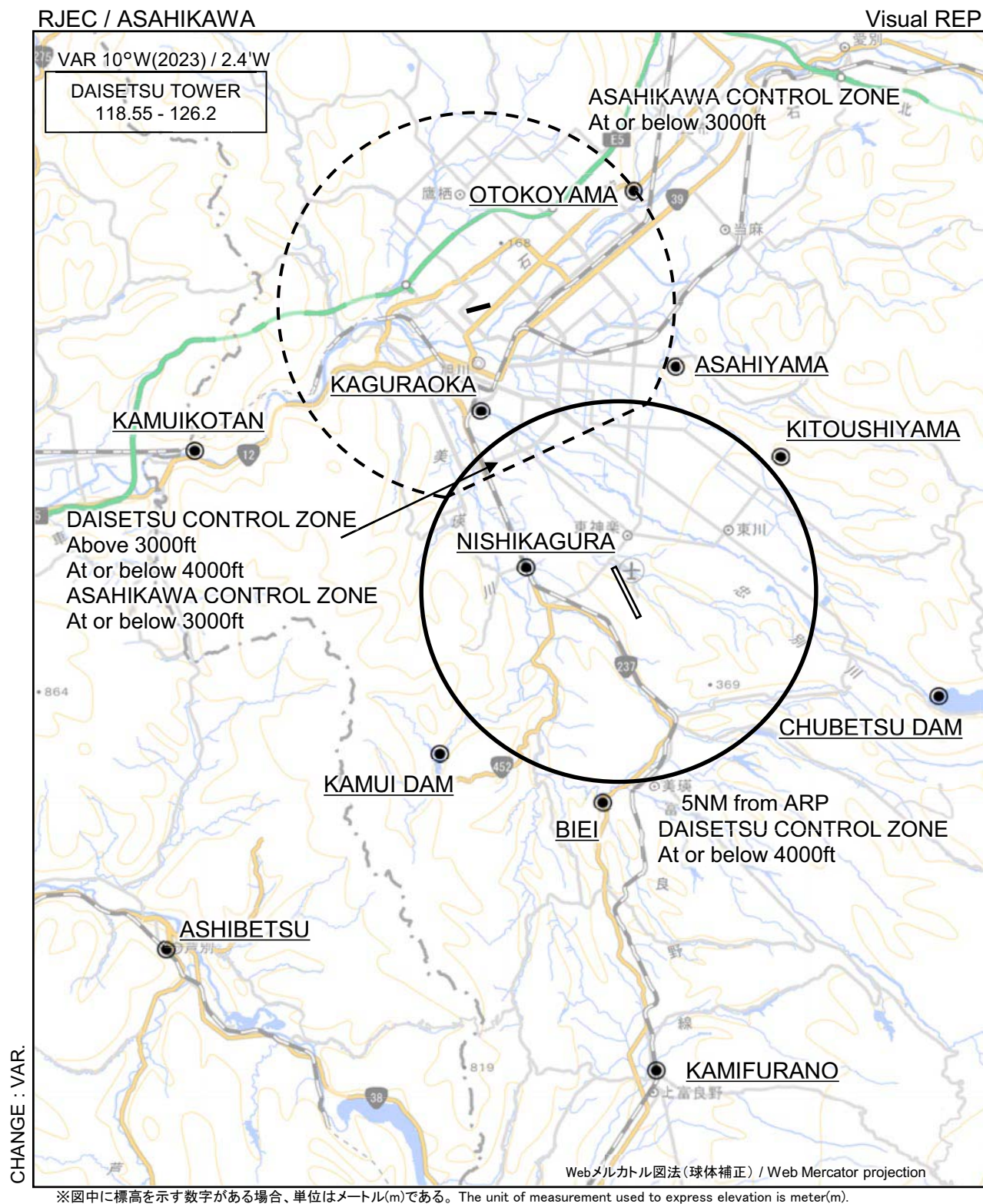
RNP Y RWY16(AR)

Coding Table											
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ASIBE	-	-	-9.5	-	-	+8000	-	-	-
002	TF	EC650	-	040 (030.1)	-9.5	8.0	-	+5000	-	-	1.0
003	TF	GORYO	-	353 (343.1)	-9.5	4.5	-	4000	-	-	1.0
004	TF	EC651	-	353 (343.0)	-9.5	2.4	-	3249	-	-3.00	0.30
005	RF Center: ECRF1 r=1.98NM	EC652	-	-	-9.5	2.8	R	2368	-	-3.00	0.30
006	TF	EC653	-	073 (063.0)	-9.5	0.6	-	2176	-	-3.00	0.30
007	RF Center: ECRF2 r=1.93NM	EC654	-	-	-9.5	3.1	R	1200	-	-3.00	0.30
008	TF	RW16	Y	164 (154.2)	-9.5	1.5	-	710	-	-3.00/50	0.30
009	CF	EC660	Y	164 (154.2)	-9.5	7.2	-	-	-	-	1.0
010	DF	AWE	-	-	-9.5	-	R	5000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	AWE	040 (030.6)	-9.9	1.0 (-14000)	L	5000	FL140	-210 (-14000)	1.0

Waypoint Coordinates			
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASIBE	432703.98N / 1421700.93E	ECRF1	434104.78N / 1422225.25E
EC650	433359.28N / 1422233.14E	ECRF2	434123.69N / 1422307.68E
GORYO	433814.72N / 1422045.68E		
EC651	434030.03N / 1421948.65E		
EC652	434250.78N / 1422111.17E		
EC653	434307.07N / 1422155.45E		
EC654	434214.29N / 1422531.40E		
RW16	434051.04N / 1422626.96E		
EC660	433419.98N / 1423047.35E		
AWE	434002.15N / 1422724.65E		

CHANGE : RNAV HLDG established(ASAHIKAWA(AWE)).



RJEC / ASAHIKAWA

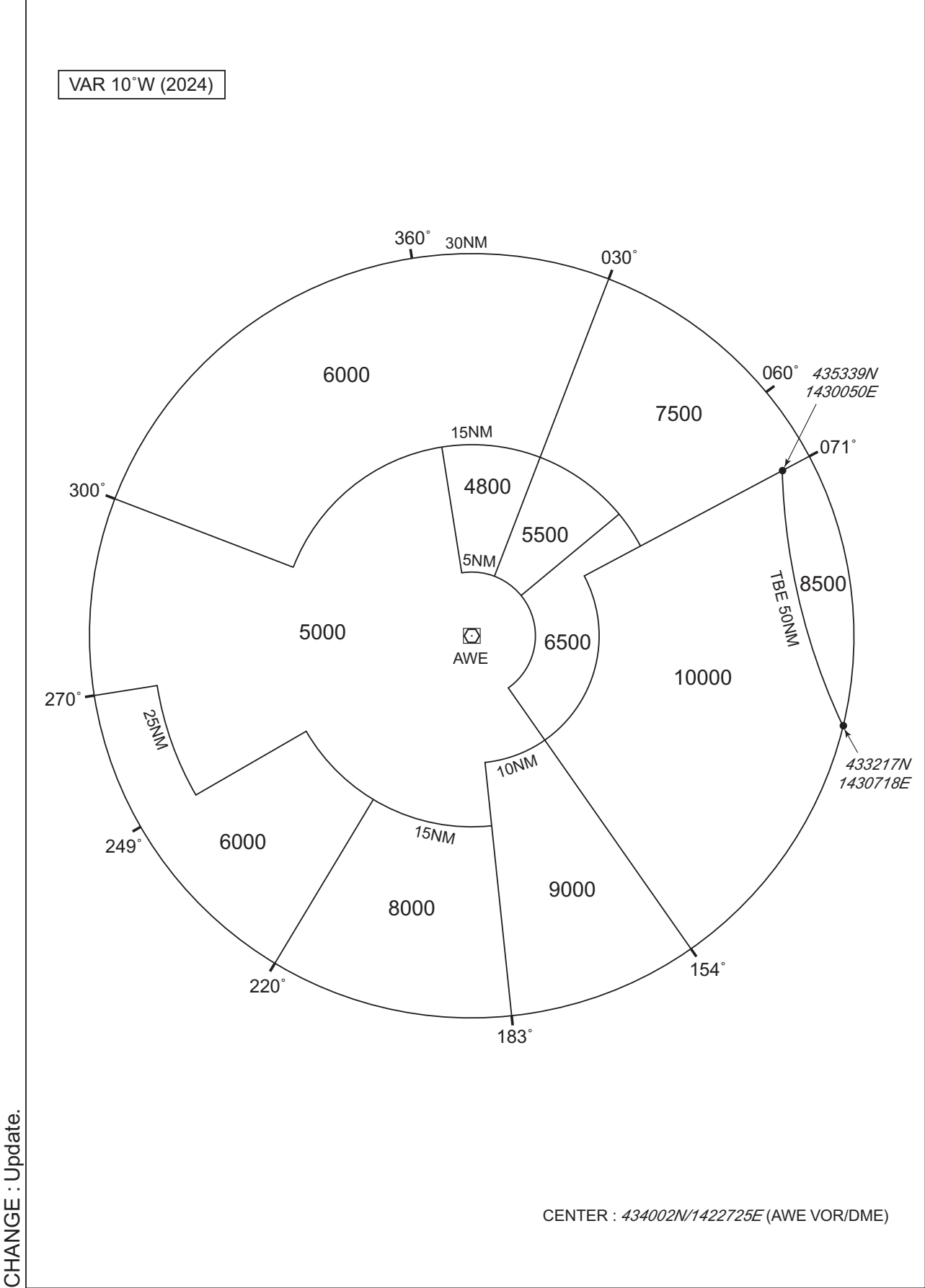
Visual REP

Call sign	BRG / DIST from ARP	Remarks
男山 Otokoyama	002°T / 10.4NM	男山自然公園 Park
旭山 Asahiyama	014°T / 6.0NM	旭山動物園 Zoo
神楽岡 Kaguraoka	324°T / 5.9NM	神楽岡公園 Park
神居古潭 Kamuikotan	289°T / 11.3NM	橋 Bridge
岐登牛山 Kitoushiyama	049°T / 5.4NM	スキー場 Ski ground
西神楽 Nishikagura	286°T / 2.4NM	JR駅 Station
忠別ダム Chubetsu dam	108°T / 8.5NM	ダム Dam
神居ダム Kamui dam	227°T / 6.2NM	ダム Dam
美瑛 Biei	184°T / 5.5NM	道路(大曲) Road
芦別 Ashibetsu	231°T / 14.7NM	JR駅 Station
上富良野 Kamifurano	176°T / 12.4NM	JR駅 Station

CHANGE : Visual REP established(Otokoyama).

RJEC / ASAHIKAWA

Minimum Vectoring Altitude CHART



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