

RJEC / ASAHIKAWA

AD CHART

CHANGE : ACFT Stand Lead-in Lines for spot 1 and 2



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.



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.

ASAHIKAWA REVERSAL FIVE DEPARTURE

STANDARD ARRIVAL CHART-INSTRUMENT

RJEC / ASAHIKAWA

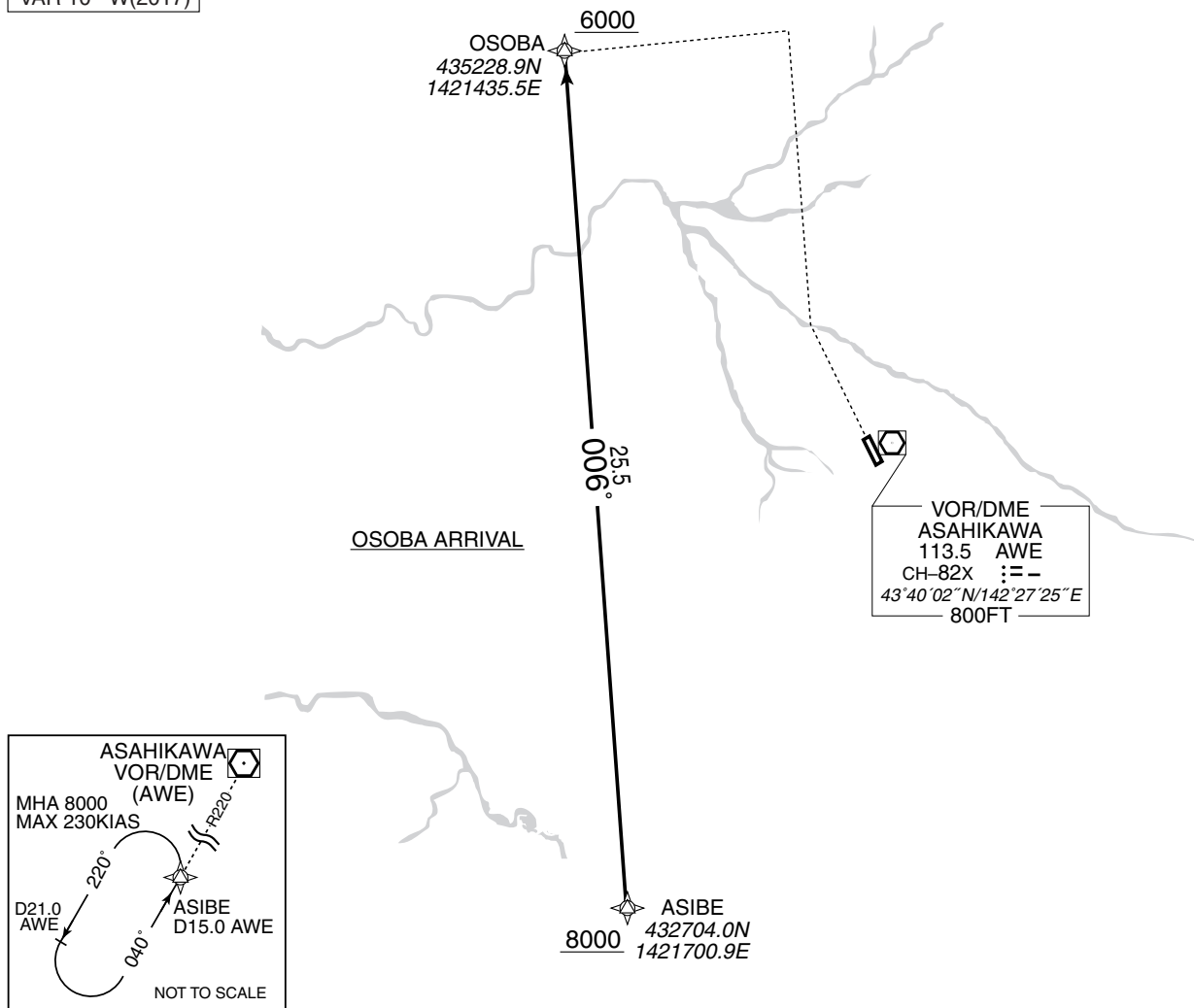
RNAV STAR RWY16

OSOBA ARRIVAL

Basic RNP1

Note GNSS required.

VAR 10° W(2017)



OSOBA ARRIVAL

From ASIBE at or above 8000FT, to OSOBA at or above 6000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	ASIBE	—	—	-9.5	—	—	+8000	—	—	Basic RNP1
002	TF	OSOBA	—	006 (356.1)	-9.5	25.5	—	+6000	—	—	Basic RNP1

INSTRUMENT APPROACH CHART

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ILS Z or LOC Z RWY34



CHANGE: GP angle added.

INSTRUMENT APPROACH CHART

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ILS Y or LOC Y RWY34

SAPPORO CONTROL 132.6 – 255.2 134.25 – 260.4	ILS-LOC 110.5 IAW :≡- ILS-GP 329.6 ILS-DME CH-42X	DAISETSU TOWER 118.55 – 126.2	NO RADAR
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MISSED APPROACH

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 DAISETSU TOWER.

No turn before IAW 0.7DME.



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					1800	1560(870)
D				3200		

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

CHANGE: GP angle added.

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

VOR A

SAPPORO CONTROL 132.6 – 255.2 134.25 – 260.4	ASAHIKAWA VOR/DME 113.5 AWE CH-82X :- 43°40'02"N / 142°27'25"E	DAISETSU TOWER 118.55 – 126.2	NO RADAR
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Missed APCH climb gradient MNM 5.0%

MINIMA		AD elev. 690
CAT	CIRCLING	
	MDA(H)	VIS
A	1460(770)	1600
B		1600
C	1560(870)	2400
D		3200

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

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

VOR B



MISSED APPROACH

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 DAISETSU TOWER.

No turn before MAPt.
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

MINIMA AD elev. 690		
CAT	CIRCLING	
	MDA(H)	VIS
A	1460(770)	1600
B		1600
C	1560(870)	2400
D		3200

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

CHANGE : VAR

RJEC / ASAHIKAWA

VOR C

VAR 9°W (2016)

MSA 25NM

ASAHIKAWA AD

ASAHIKAWA CITY

TOUSE (FAF) D4.2 AWE

MAPt AWE

725

Turn initiation within D9.6 AWE

MAX Turning speed 200KIAS

1016

2044

3212

4095

7513

2205

2585

6316

2267

1457

2375

2818

2956

2838

1946

1565

779

794

961

1647

D6.2 AWE

090°

180°

040°

171°

166°

270°

360°

EQPT REQUIRED DME

TOUSE (FAF) : 434401.70N/1422536.41E

MINIMA		AD elev. 690
CAT	CIRCLING	
	MDA(H)	VIS
A	1330 (640)	1600
B		
C	1560 (870)	2400
D		3200

INSTRUMENT APPROACH CHART

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RNP Z RWY16



CHANGE:PROC renamed. Requirement for RNP.

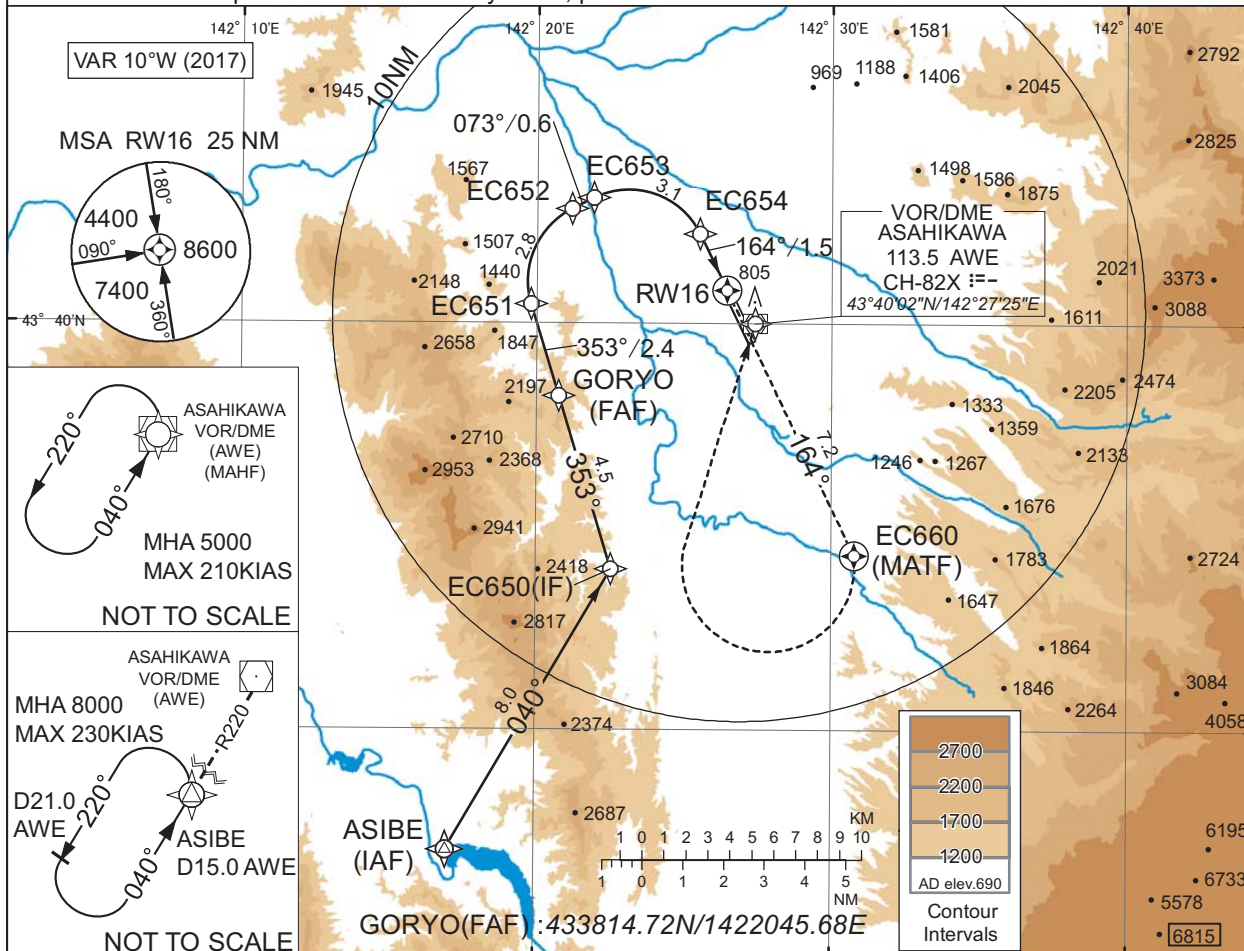
INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

RNP Y RWY16(AR)

SAPPORO CONTROL 132.6 - 255.2 134.25 - 260.4	RNP AR RF required.	DAISETSU TOWER 118.55 - 126.2	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below -30°C / above 45°C



MISSED APPROACH

To EC660 on track 164°, turn right direct to AWE and hold at 5000FT. Contact DAISETSU TOWER.



Missed APCH climb gradient MNM 3.0%

MINIMA	THR elev. 660	AD elev. 690
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B	-	-
C	960(300)	1400
D	-	-

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

Authorization Required

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

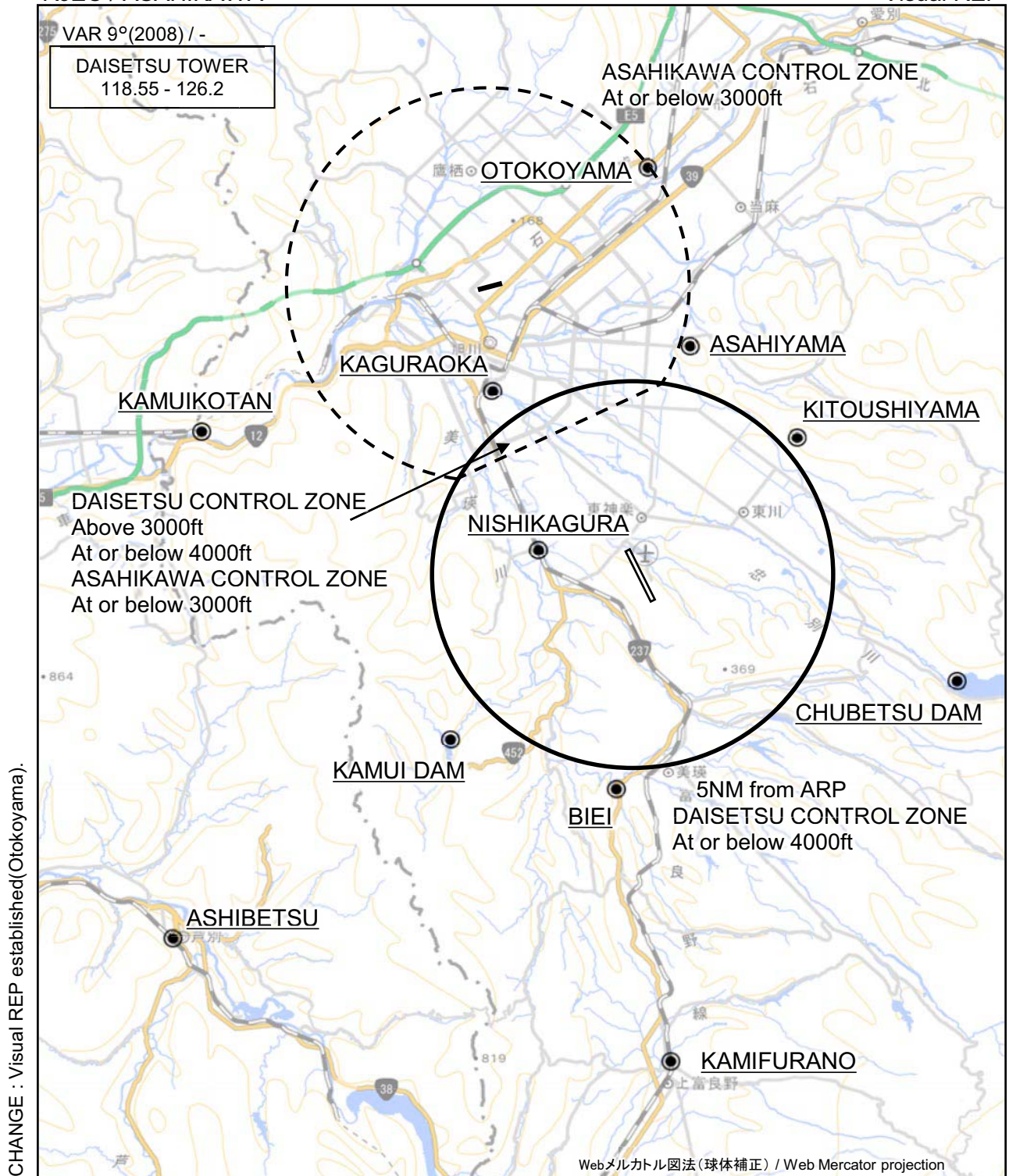
Waypoint Coordinates

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 : PROC renamed.

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Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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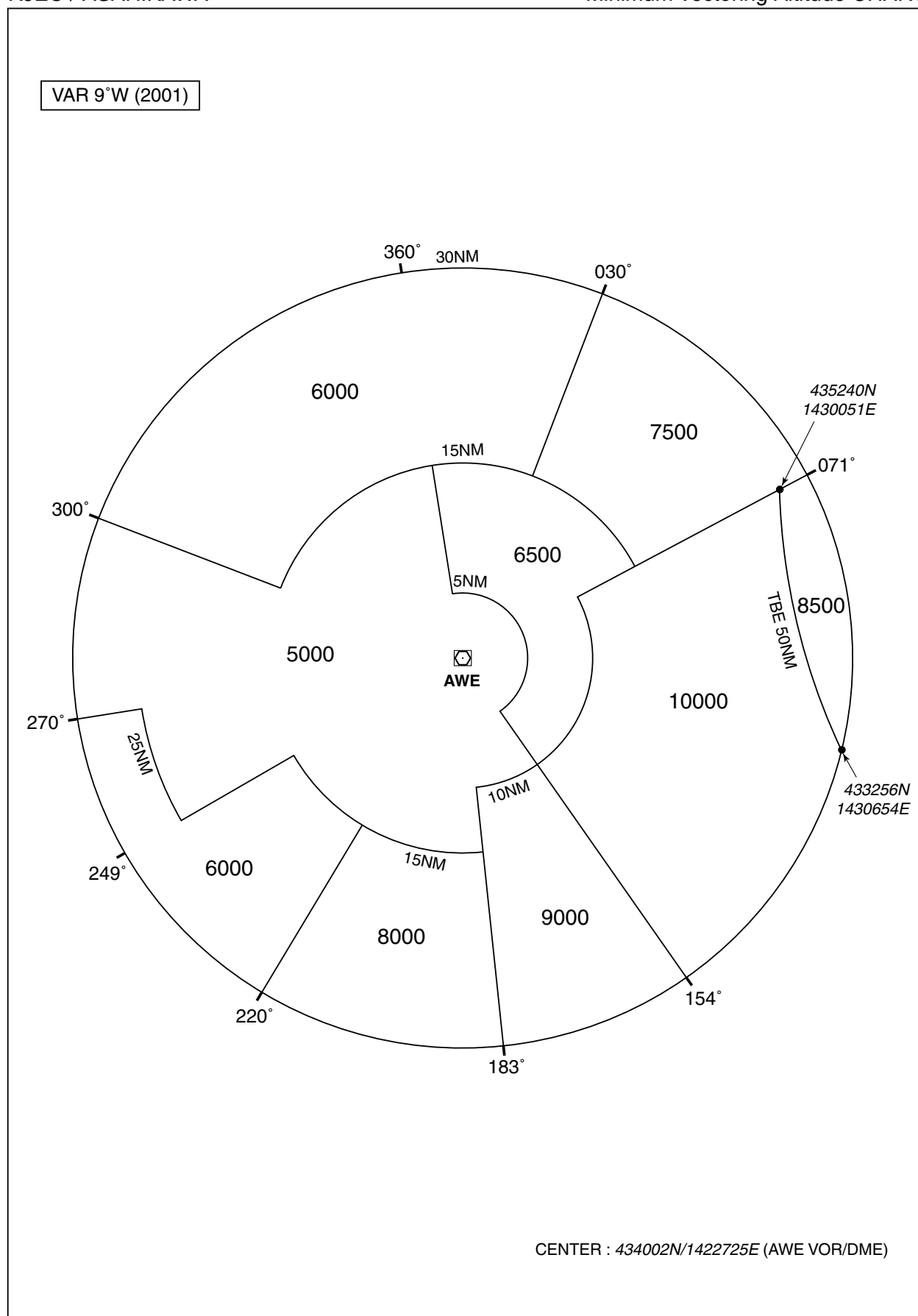
Visual REP

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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