

## AD CHART

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PRECISION APPROACH TERRAIN CHART



STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

SID and TRANSITION

IWAKI SIX DEPARTURE

RWY06 : Climb RWY HDG to 1100FT, turn left HDG 291° to intercept and proceed via MRE R330 to 12.0DME, turn left, via HWE R208 to GONOU.

Cross MRE R330/8.0DME at or above 3600FT, cross HWE R208/63.0DME at or above 7000FT, cross GONOU at or above 9000FT.

RWY24 : Climb RWY HDG to 1200FT, via MRE R238 to GONOU.

Cross GONOU at or above 9000FT.

Note RWY24 : No turn before DER.

5.0% climb gradient required up to 1200FT.

OBST ALT 782FT located at 0.8NM 223° FM end of RWY24.

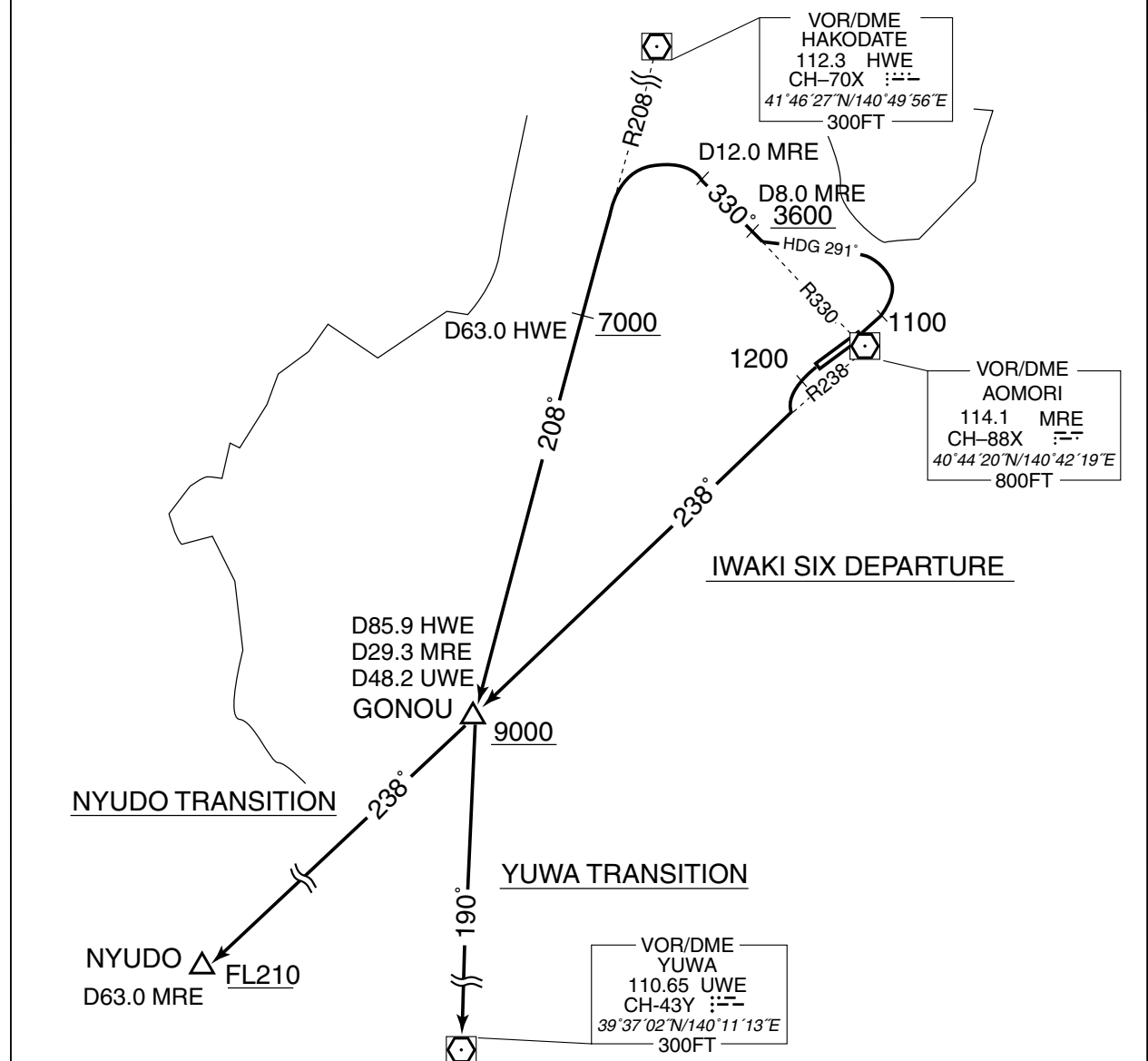
YUWA TRANSITION

From over GONOU, via UWE R010 to UWE VOR/DME.

NYUDO TRANSITION

From over GONOU, via MRE R238 to NYUDO.

Cross NYUDO at or above FL210.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

SID

AOMORI REVERSAL TWO DEPARTURE

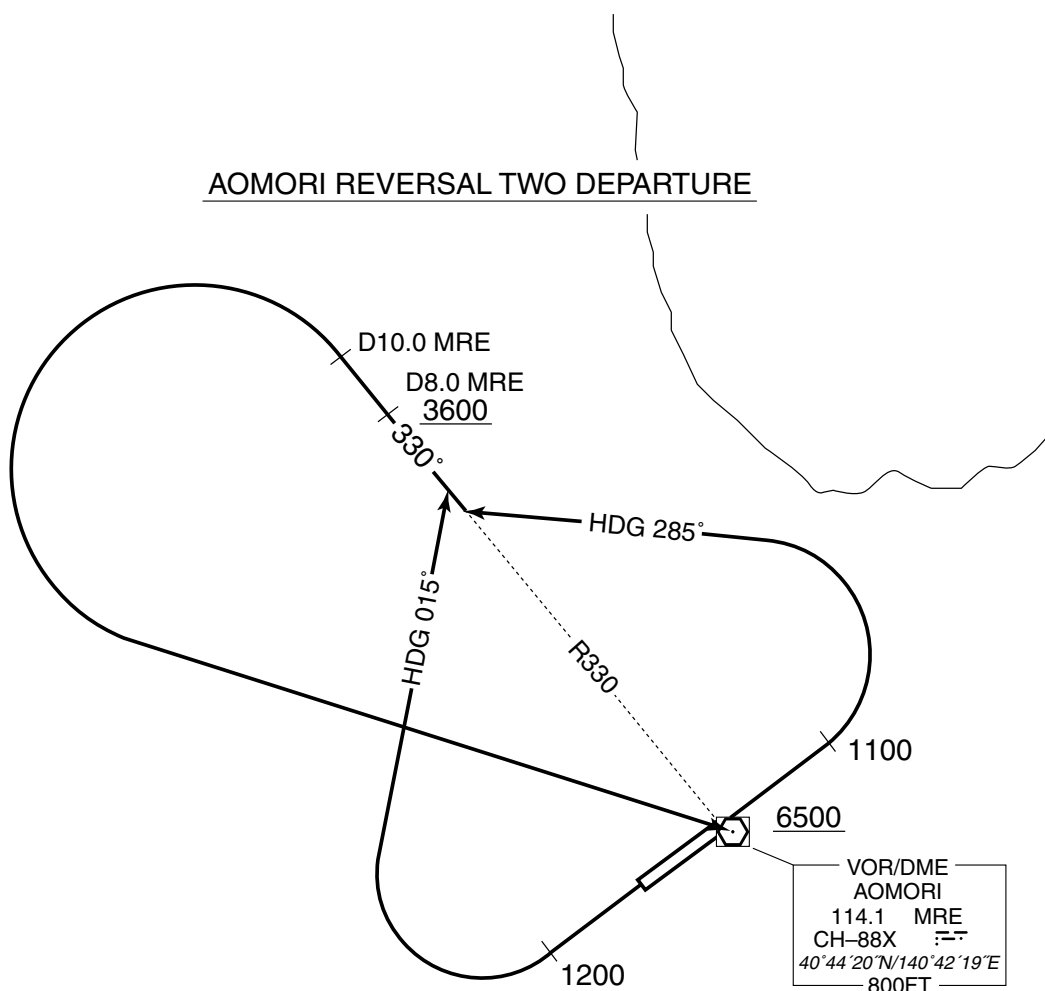
RWY06 : Climb RWY HDG to 1100FT, turn left HDG 285°...

RWY24 : Climb RWY HDG to 1200FT, turn right HDG 015°...

...to intercept and proceed via MRE R330 to 10.0DME, turn left,  
direct to MRE VOR/DME.Cross MRE R330/8.0DME at or above 3600FT, cross MRE VOR/DME  
at or above 6500FT.

Note RWY24 : 5.0% climb gradient required up to 1200FT.

OBST ALT 782FT located at 0.8NM 223° FM end of RWY24.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

SID

TIKYU THREE DEPARTURE

RWY06 : Climb RWY HDG to 1100FT, turn left,...

RWY24 : Climb RWY HDG to 1300FT, turn right HDG 074° to intercept and proceed...

...via MRE R029 to TIKYU via TSUKI.

Cross TSUKI at or above 6000FT.

Note RWY24 : 5.0% climb gradient required up to 1300FT.

OBST ALT 782FT located at 0.8NM 223° FM end of RWY24.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

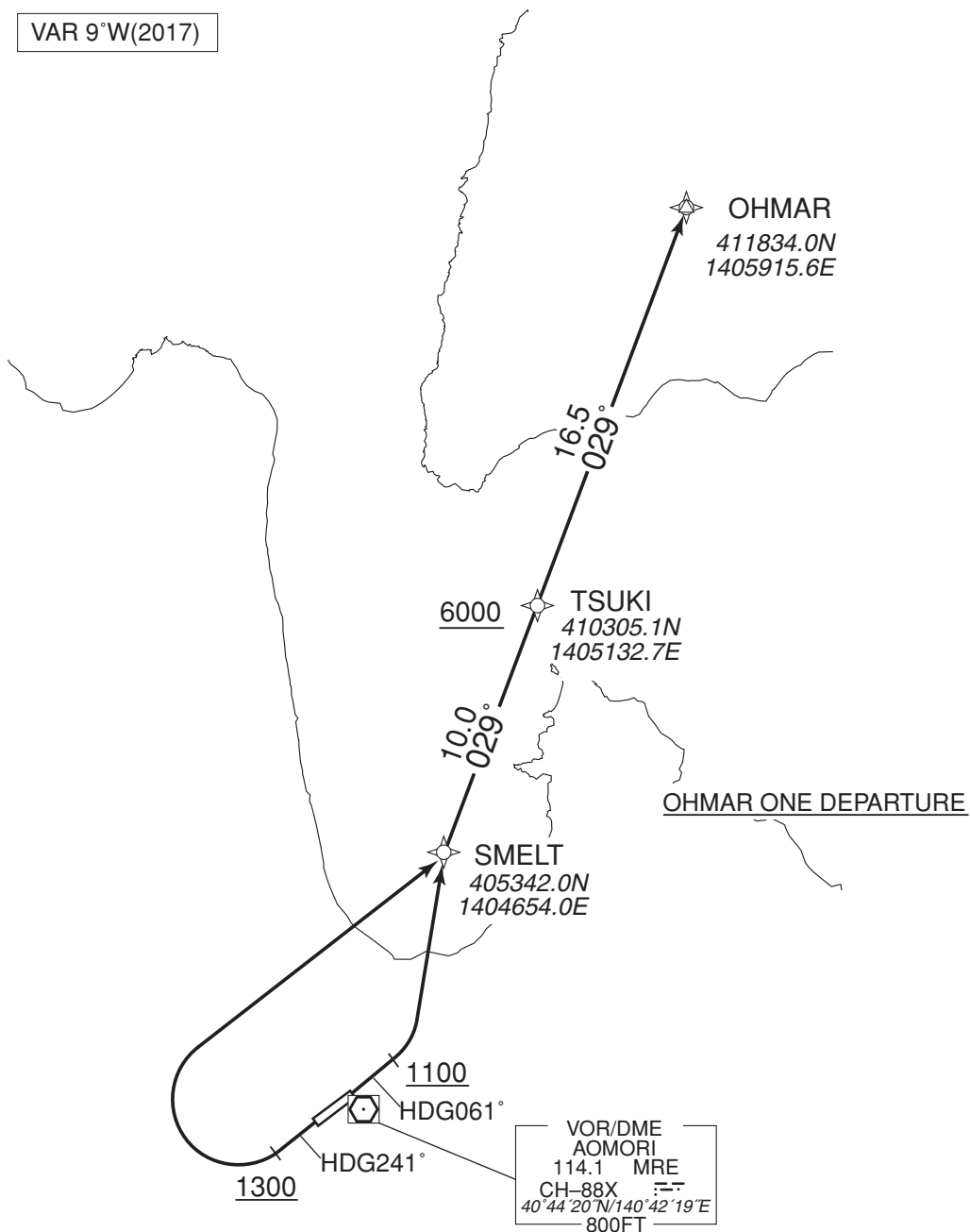
RNAV SID

OHMAR ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W(2017)



OHMAR ONE DEPARTURE

RWY06 : Climb on HDG061° at or above 1100FT, turn left direct to SMELT, to TSUKI at or above 6000FT, to OHMAR.

RWY24 : Climb on HDG241° at or above 1300FT, turn right direct to SMELT, to TSUKI at or above 6000FT, to OHMAR.

NOTE RWY24 : 5.0% climb gradient required up to 1300FT.  
OBST ALT 782FT located at 0.8NM 223° FM end of RWY24.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

RNAV SID

OHMAR ONE DEPARTURE

## RWY06

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	VA	—	—	061 (051.8)	-8.9	—	—	+1100	—	—	Basic RNP1
002	DF	SMELT	—	—	-8.9	—	L	—	—	—	Basic RNP1
003	TF	TSUKI	—	029 (020.5)	-8.9	10.0	—	+6000	—	—	Basic RNP1
004	TF	OHMAR	—	029 (020.5)	-8.9	16.5	—	—	—	—	Basic RNP1

## RWY24

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	VA	—	—	241 (231.8)	-8.9	—	—	+1300	—	—	Basic RNP1
002	DF	SMELT	—	—	-8.9	—	R	—	—	—	Basic RNP1
003	TF	TSUKI	—	029 (020.5)	-8.9	10.0	—	+6000	—	—	Basic RNP1
004	TF	OHMAR	—	029 (020.5)	-8.9	16.5	—	—	—	—	Basic RNP1



## STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

RNAV SID

## SHIRAKAMI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W(2017)

SHIRAKAMI ONE DEPARTURE

RWY06 : Climb on HDG061° at or above 1100FT, turn left direct to SA611, to SA612, to UWE.

RWY24 : Climb on HDG241° at or above 1200FT, direct to SA411, to UWE.

NOTE RWY24 : 5.0% climb gradient required up to 1200FT.

OBST ALT 782FT located at 0.8NM 223° FM end of RWY24.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI

RNAV SID

SHIRAKAMI ONE DEPARTURE

## RWY06

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	VA	—	—	061 (051.8)	-8.9	—	—	+1100	—	—	Basic RNP1
002	DF	SA611	—	—	-8.9	—	L	—	—	—	Basic RNP1
003	TF	SA612	—	241 (231.7)	-8.9	5.0	—	—	—	—	Basic RNP1
004	TF	UWE	—	201 (192.4)	-8.9	70.0	—	—	—	—	Basic RNP1

## RWY24

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	VA	—	—	241 (231.8)	-8.9	—	—	+1200	—	—	Basic RNP1
002	DF	SA411	—	—	-8.9	—	—	—	—	—	Basic RNP1
003	TF	UWE	—	201 (192.3)	-8.9	60.4	—	—	—	—	Basic RNP1

STANDARD ARRIVAL CHART-INSTRUMENT

RJSA / AOMORI

STAR

MELOS NORTH ARRIVAL

From over BYOBU, proceed via MRE 12.0DME counterclockwise ARC to MELOS.  
Cross MELOS at or above 3300FT.

MELOS SOUTH ARRIVAL

From over YACHI, proceed via MRE 12.0DME clockwise ARC to MELOS.  
Cross MRE R216 at or above 4200FT.  
Cross MELOS at or above 3300FT.

CHANGE : HLDG pattern for BYOBU

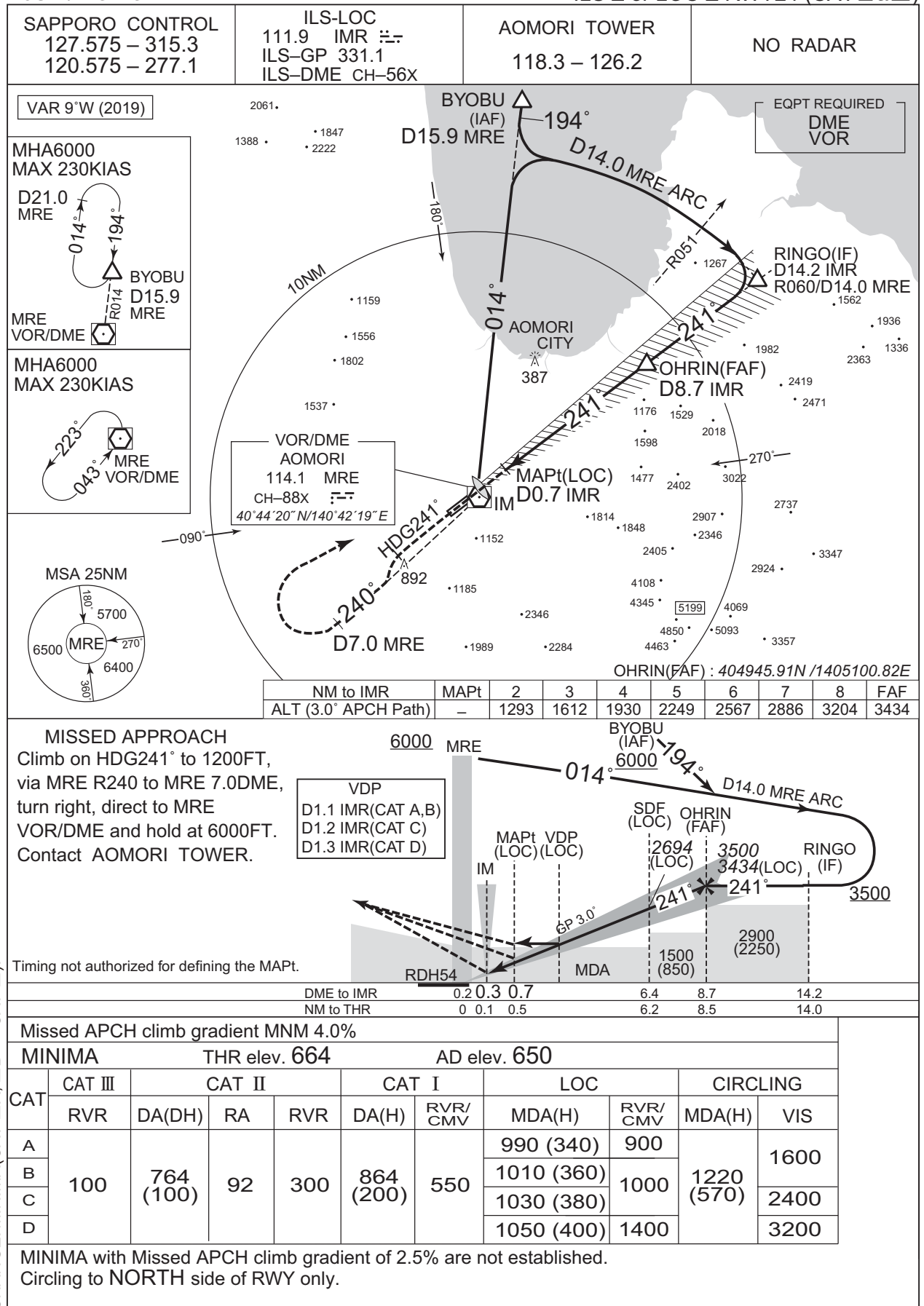


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## INSTRUMENT APPROACH CHART

RJSA / AOMORI

ILS Z or LOC Z RWY24 (CAT II &amp; III)



CHANGE: MINIMA(CAT IIIA, IIIB → CAT III).

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

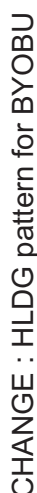
ILS Y or LOC Y RWY24 (CAT II &amp; III)



CHANGE: MINIMA(CAT IIIA, IIIB → CAT III).

## RJSA / AOMORI

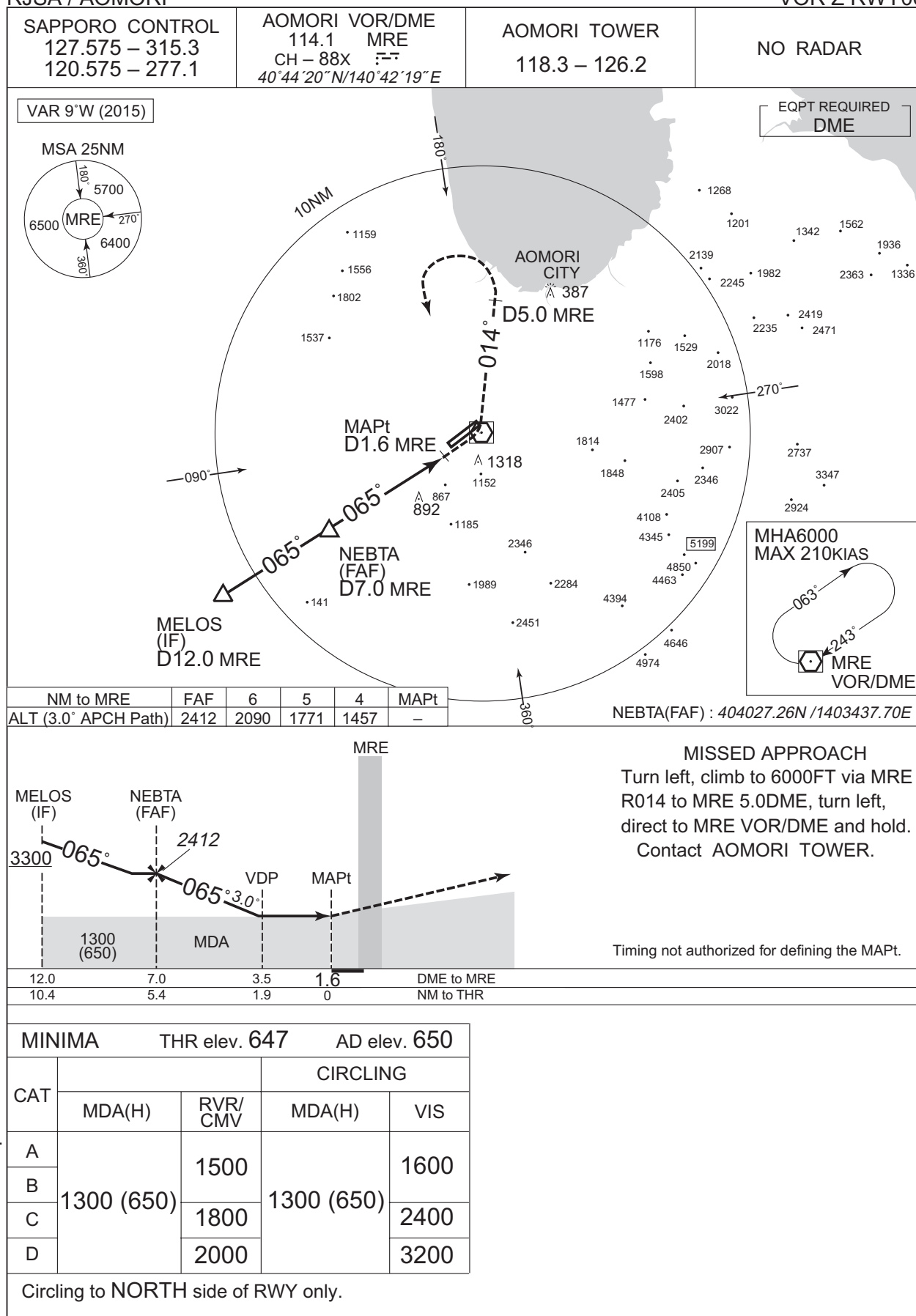
VOR RWY24



## INSTRUMENT APPROACH CHART

RJSA / AOMORI

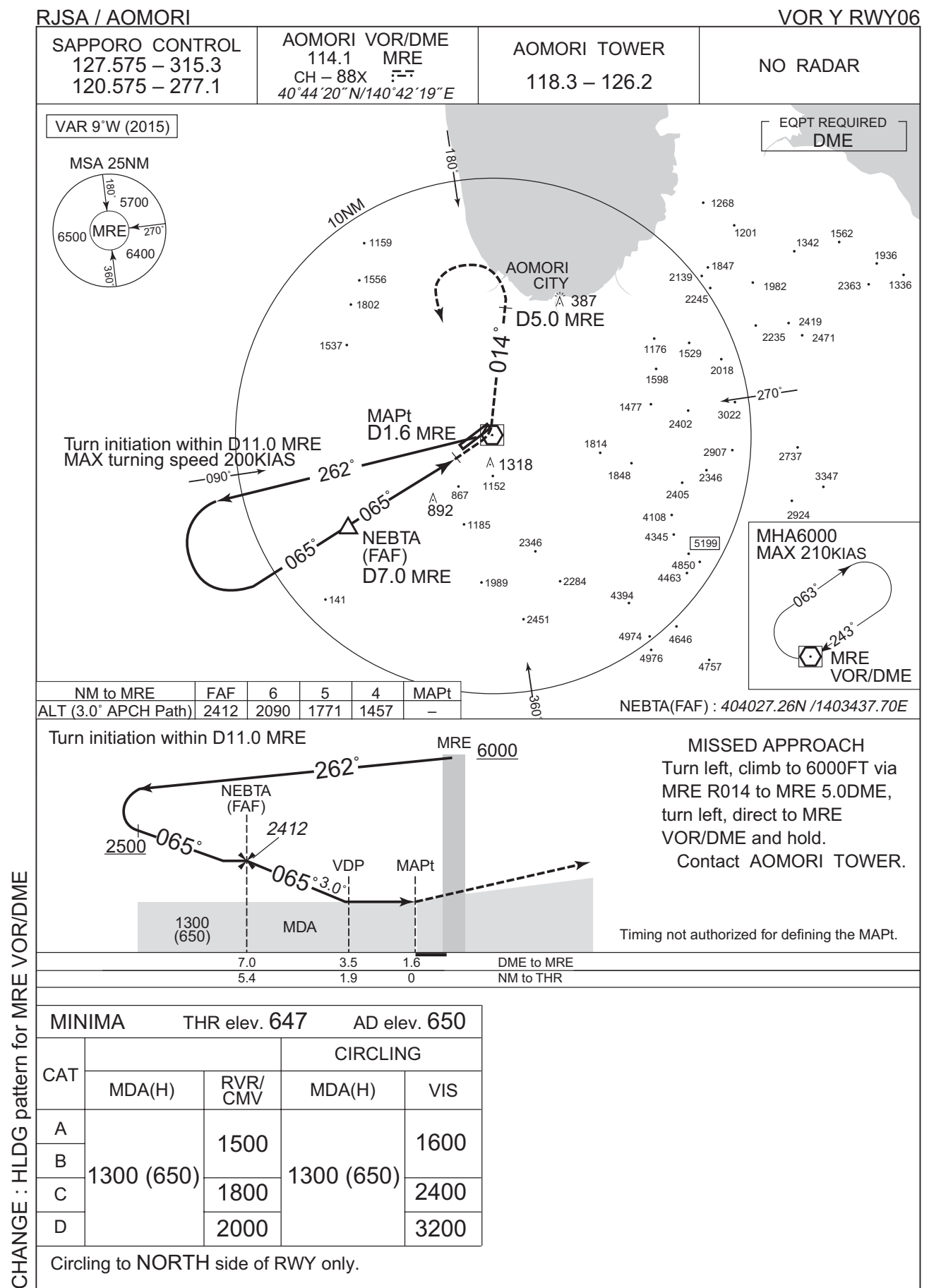
VOR Z RWY06



CHANGE : HLDG pattern for MRE VOR/DME



INSTRUMENT APPROACH CHART



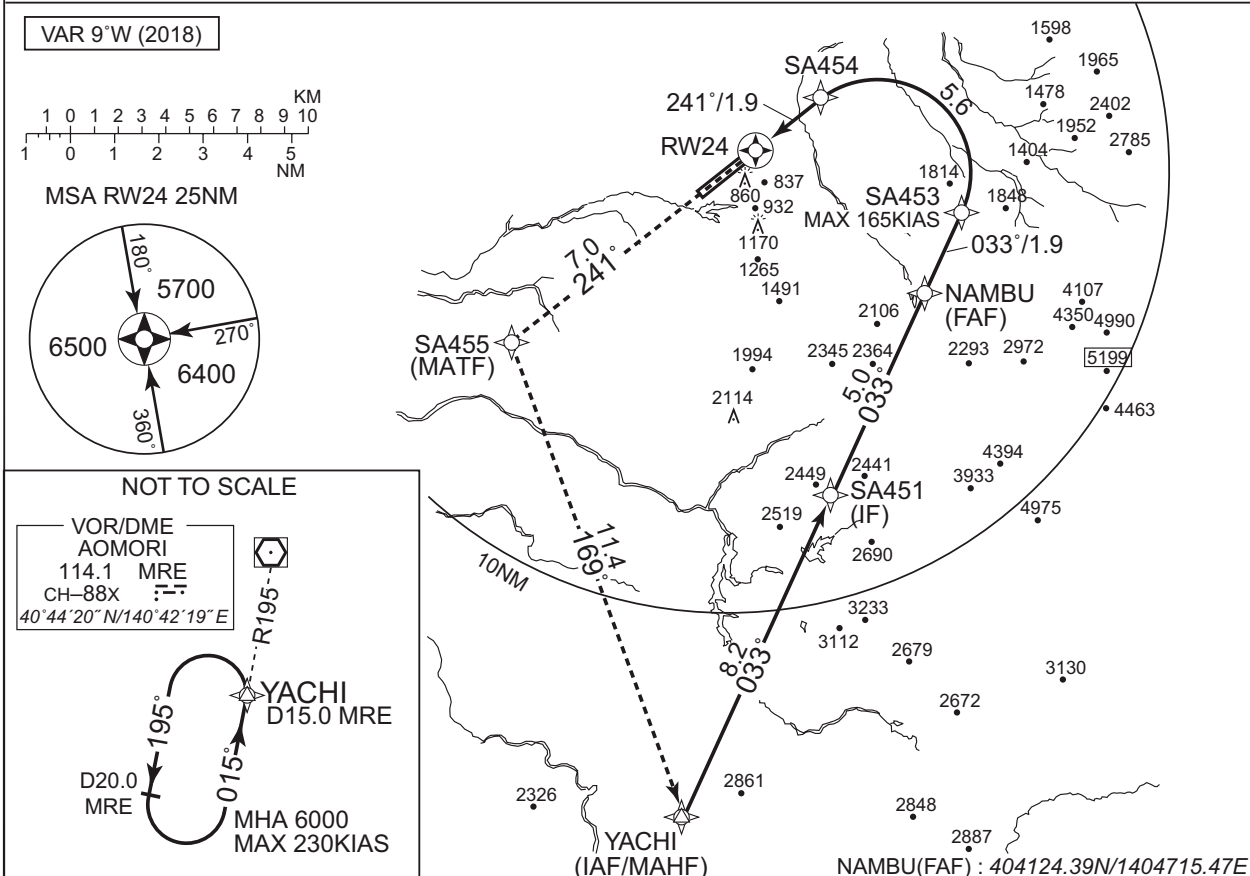
## RJSA / AOMORI

SAPPORO CONTROL  
127.575 – 315.3  
120.575 – 277.1

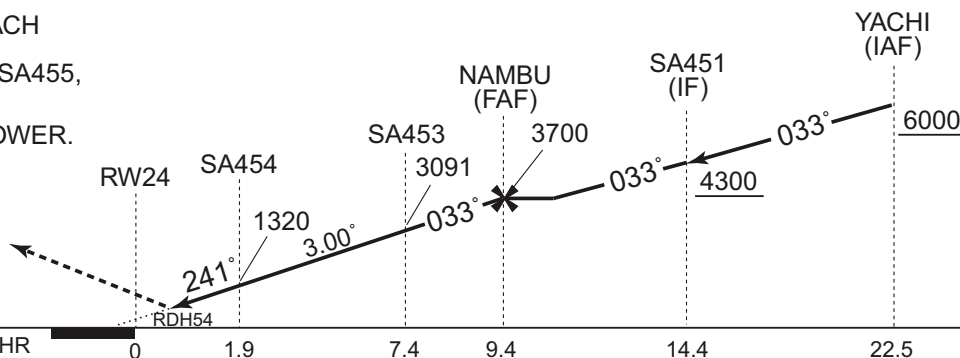
AOMORI TOWER  
118.3–126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C



Climb to 6000FT, to SA455,  
to YACHI and hold.  
Contact AOMORI TOWER.



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 664		AD elev. 650	
CAT	RNP 0.10		RNP 0.30		
	DA(H)	RVR/CMV	DA(H)	RVR/CMV	
A	—	—	—	—	
B					
C	984(320)	1000	1063(399)	1000	
D	994(330)	1400	1073(409)	1400	

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

**RNP AR**  
Special Authorization Required

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY24

RNAV (RNP) Z RWY24Coding 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	YACHI	—	—	-9.0	—	—	+6000	—	—	—
002	TF	SA451	—	033 (024.4)	-9.0	8.2	—	+4300	—	—	1.0
003	TF	NAMBU	—	033 (024.5)	-9.0	5.0	—	3700	—	—	1.0
004	TF	SA453	—	033 (024.5)	-9.0	1.9	—	3091	-165	-3.00	0.10 0.30
005	RF Center: SARF1 r=2.09NM	SA454	—	—	-9.0	5.6	L	1320	—	-3.00	0.10 0.30
006	TF	RW24	Y	241 (231.8)	-9.0	1.9	—	718	—	-3.00/54	0.10 0.30
007	TF	SA455	—	241 (231.8)	-9.0	7.0	—	—	—	—	1.0
008	TF	YACHI	—	169 (159.7)	-9.0	11.4	—	6000	—	—	1.0

Waypoint Coordinates

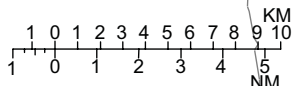
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
YACHI	402925.44N/1404004.97E	SARF1	404400.99N/1404548.34E
SA451	403651.24N/1404431.58E		
NAMBU	404124.39N/1404715.47E		
SA453	404308.85N/1404818.25E		
SA454	404539.74N/1404406.71E		
RW24	404429.79N/1404209.27E		
SA455	404008.45N/1403451.64E		

CHANGE : VAR, PROC renamed

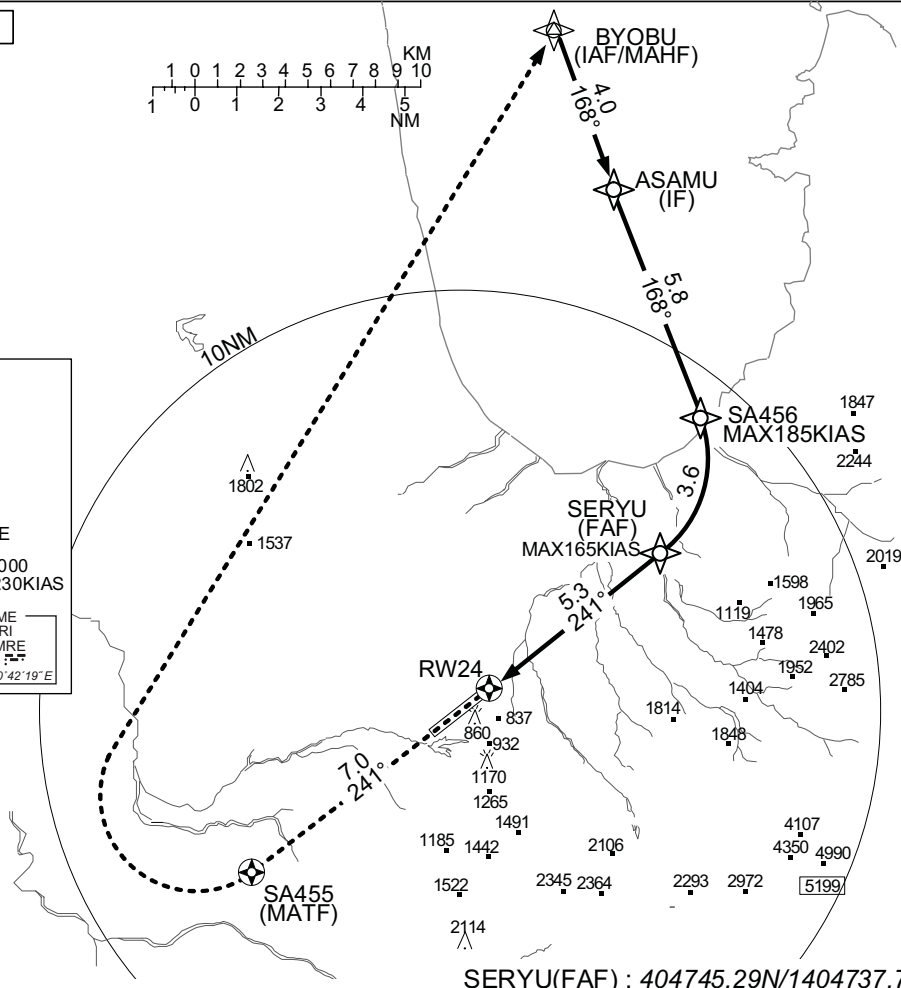
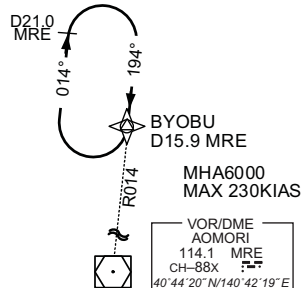
## RJSA / AOMORI

SAPPORO CONTROL 127.575 – 315.3 120.575 – 277.1	GNSS and RF required	AOMORI TOWER 118.3–126.2	NO RADAR
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VAR 9°W (2018)

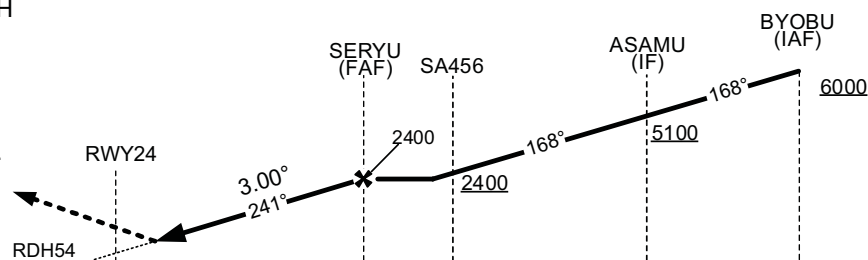


NOT TO SCALE



SERYU(FAF) : 404745.29N/1404737.78E

To SA455 on track 241°,  
turn right direct to BYOBU  
and hold at 6000FT.  
Contact AOMORI TOWER.



NM to THR

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 664	AD elev. 650	
CAT	RNP 0.10		RNP 0.30	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	—	—	—	—
B				
C	984(320)	1000	1063(399)	1000
D	994(330)	1400	1073(409)	1400

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

**RNP AR**  
Special Authorization Required

CHANGE : New PROC

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY24

RNAV (RNP) Y RWY24Coding 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	BYOBU	—	—	-9.0	—	—	+6000	—	—	—
002	TF	ASAMU	—	168 (159.3)	-9.0	4.0	—	+5100	—	—	1.0
003	TF	SA456	—	168 (159.3)	-9.0	5.8	—	+2400	-185	—	0.3
004	RF Center: SARF3 r=2.83NM	SERYU	—	—	-9.0	3.6	R	2400	-165	—	0.3
005	TF	RW24	Y	241 (231.9)	-9.0	5.3	—	718	—	-3.00/54	0.10 0.30
006	CF	SA455	Y	241 (231.8)	-9.0	7.0	—	—	—	—	1.0
007	DF	BYOBU	—	—	-9.0	—	R	6000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BYOBU	410009.54N/1404414.25E	SARF3	404959.39N/1404519.70E
ASAMU	405624.95N/1404606.79E		
SA456	405059.78N/1404849.32E		
SERYU	404745.29N/1404737.78E		
RW24	404429.79N/1404209.27E		
SA455	404008.45N/1403451.64E		

CHANGE : New PROC

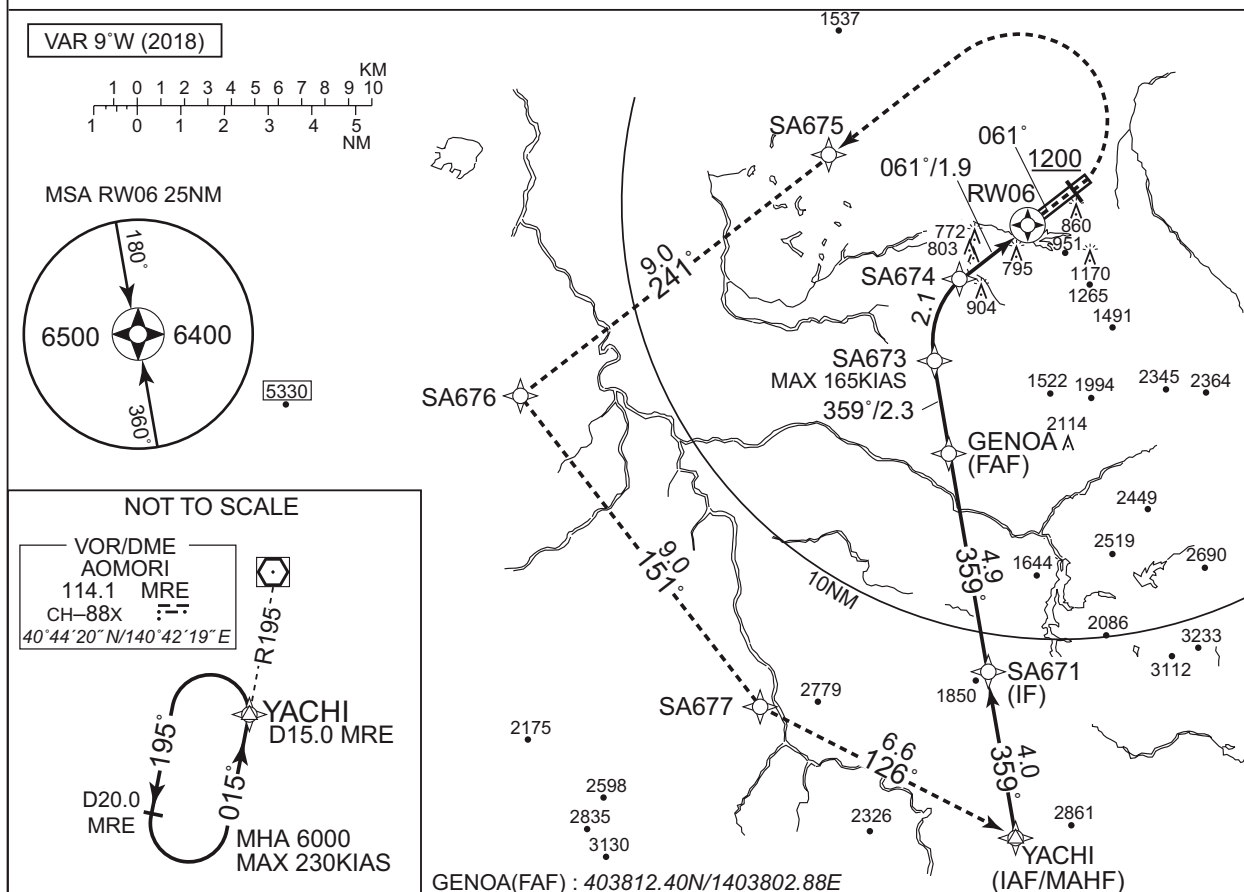
## RJSA / AOMORI

SAPPORO CONTROL  
127.575 – 315.3  
120.575 – 277.1

AOMORI TOWER  
118.3–126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C

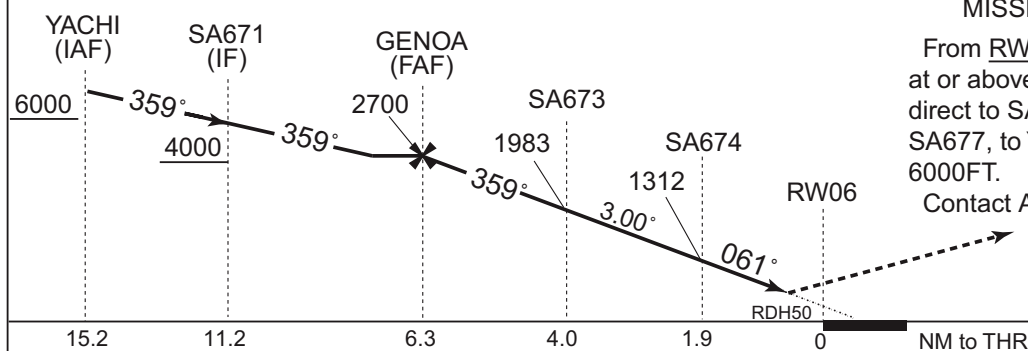


CHANGE : MINIMA, VAR, PROC renamed

### MISSED APPROACH

From RW06 on track 061°  
at or above 1200FT turn left,  
direct to SA675, to SA676, to  
SA677, to YACHI and hold at  
6000FT.

Contact AOMORI TOWER.



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 647		AD elev. 650	
CAT	RNP 0.10		RNP 0.30		
	DA(H)	RVR/CMV	DA(H)	RVR/CMV	
A	—	—	—	—	
B					
C	1004(357)	1400	1039(392)		1400
D	1014(367)	1600	1049(402)		1600

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

RNP AR

Special Authorization Required

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY06

RNAV (RNP) Z RWY06Coding 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	YACHI	—	—	-9.0	—	—	+6000	—	—	—
002	TF	SA671	—	359 (350.0)	-9.0	4.0	—	+4000	—	—	1.0
003	TF	GENOA	—	359 (350.0)	-9.0	4.9	—	2700	—	—	1.0
004	TF	SA673	—	359 (350.0)	-9.0	2.3	—	1983	-165	-3.00	0.10 0.30
005	RF Center: SARF2 r=1.95NM	SA674	—	—	-9.0	2.1	R	1312	—	-3.00	0.10 0.30
006	TF	RW06	Y	061 (051.8)	-9.0	1.9	—	697	—	-3.00/50	0.10 0.30
007	FA	—	—	061 (051.8)	-9.0	—	—	+1200	—	—	1.0
008	DF	SA675	—	—	-9.0	—	L	—	—	—	1.0
009	TF	SA676	—	241 (231.7)	-9.0	9.0	—	—	—	—	1.0
010	TF	SA677	—	151 (141.8)	-9.0	9.0	—	—	—	—	1.0
011	TF	YACHI	—	126 (117.1)	-9.0	6.6	—	6000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
YACHI	402925.44N/1404004.97E	SARF2	404045.88N/1404003.56E
SA671	403322.04N/1403910.22E		
GENOA	403812.40N/1403802.88E		
SA673	404025.48N/1403731.96E		
SA674	404218.09N/1403828.52E		
RW06	404329.77N/1404028.61E		
SA675	404504.89N/1403421.94E		
SA676	403930.44N/1402503.91E		
SA677	403225.82N/1403222.79E		

CHANGE : VAR, PROC renamed

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY06

SAPPORO CONTROL  
127.575 – 315.3  
120.575 – 277.1

GNSS and RF required

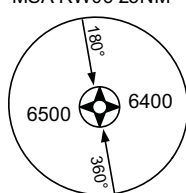
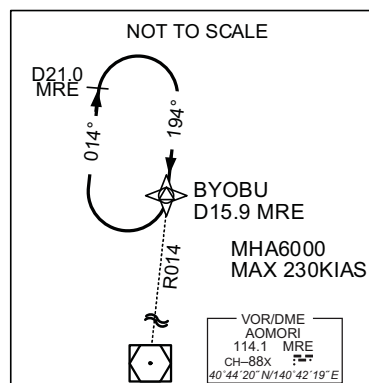
AOMORI TOWER  
118.3 – 126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C

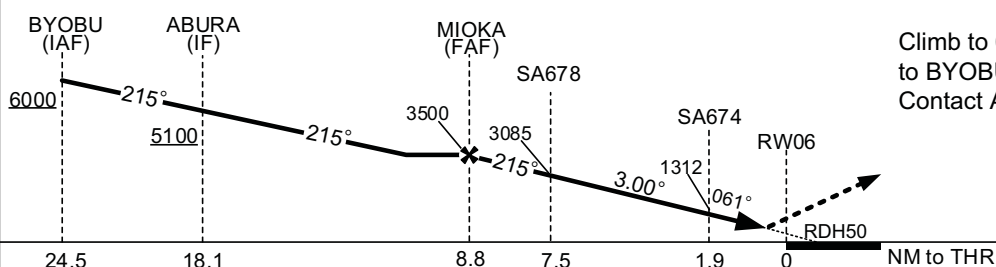
VAR 9°W (2018)

MSA RW06 25NM

BYOBU  
(IAF/MAHF)ABURA  
(IF)MIOKA  
(FAF)  
SA678  
MAX165KIASRW06  
061°/1.9SA679  
(MATH)

MIOKA(FAF) : 404600.69N/1403506.18E

MISSED APPROACH

Climb to 6000FT, to SA679,  
to BYOBU and hold.  
Contact AOMORI TOWER.

Missed APCH climb gradient MNM 5.0%

CAT	MINIMA		THR elev. 647		AD elev. 650	
	RNP 0.10		RNP 0.30			
	DA(H)	RVR/CMV	DA(H)	RVR/CMV		
A	—	—	—	—		
B	—	—	—	—		
C	1004(357)	1400	1039(392)	1400		
D	1014(367)	1600	1049(402)	1600		

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

RNP AR

Special Authorization Required

CHANGE : New PROC



## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY06

RNAV (RNP) Y RWY06Coding 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	BYOBU	—	—	-9.0	—	—	+6000	—	—	—
002	TF	ABURA	—	215 (206.1)	-9.0	6.5	—	+5100	—	—	1.0
003	TF	MIOKA	—	215 (206.0)	-9.0	9.3	—	3500	—	—	1.0
004	TF	SA678	—	215 (206.0)	-9.0	1.3	—	3085	-165	-3.00	0.10 0.30
005	RF Center: SARF4 r=2.07NM	SA674	—	—	-9.0	5.6	L	1312	—	-3.00	0.10 0.30
006	TF	RW06	Y	061 (051.8)	-9.0	1.9	—	697	—	-3.00/50	0.10 0.30
007	TF	SA679	—	061 (051.8)	-9.0	5.7	—	—	—	—	1.0
008	TF	BYOBU	—	002 (352.9)	-9.0	13.2	—	6000	—	—	1.0

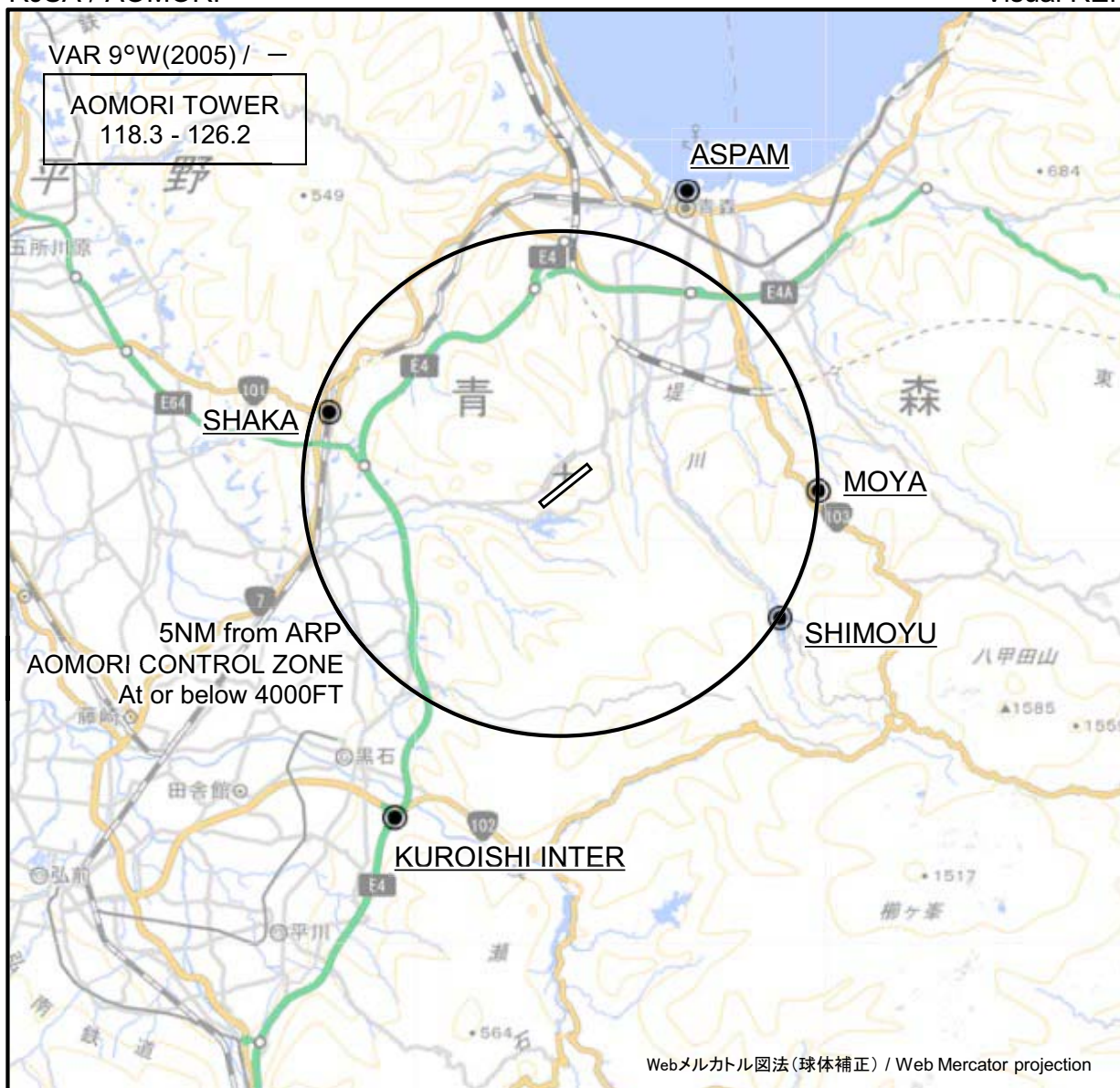
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
BYOBU	410009.54N/1404414.25E	SARF4	404355.81N/1403647.71E
ABURA	405419.99N/1404028.03E		
MIOKA	404600.69N/1403506.18E		
SA678	404450.39N/1403420.99E		
SA674	404218.09N/1403828.52E		
RW06	404329.77N/1404028.61E		
SA679	404701.68N/1404624.34E		

CHANGE : New PROC

RJSA / AOMORI

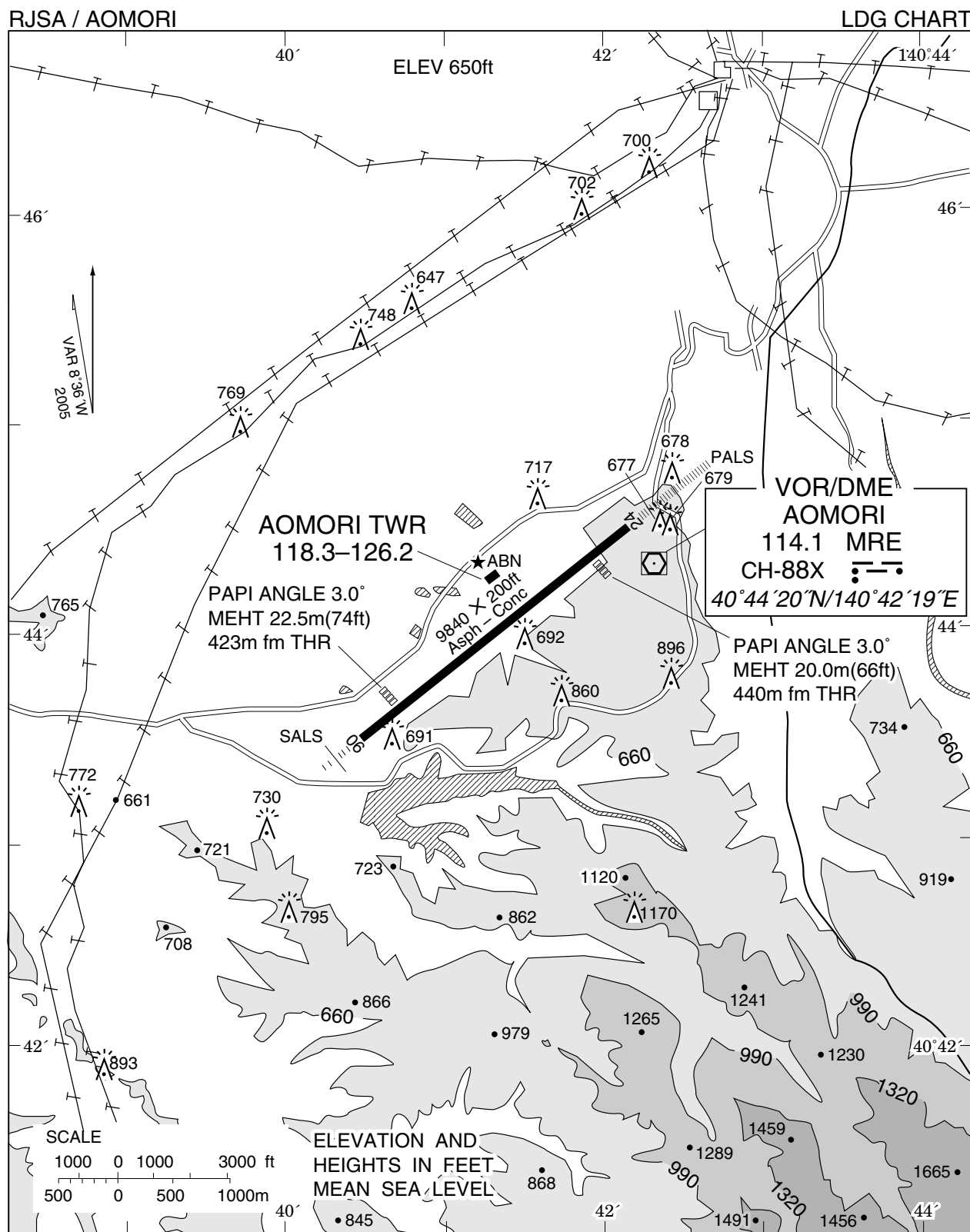
Visual REP



※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).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
アスパム Aspam	022°T / 6.3NM	アスパム, 三角形のビル ASPAM, Triangular
釈迦 Shaka	287°T / 4.8NM	JR大釈迦駅 JR Station
雲谷 Moya	092°T / 5.0NM	雲谷スキー場 Moya Slope
下湯 Shimoyu	123°T / 5.0NM	下湯平成湖 Lake
黒石インター Kuroishi Inter	206°T / 7.4NM	東北自動車道黒石インター Intersection



RJSA / AOMORI

Minimum Vectoring Altitude CHART

