

RJSA / AOMORI

## AD CHART

CHANGE : CEILO METER,WIND SPEED METER added. RVR relocated.

REMARKS:	INS C/K point		
RWY GROOVING 3000m x 60m	1	404413.95N	14044117.99E
WIDTH & STRENGTH OF TWR	2	404414.96N	14044120.20E
30m	3	404416.50N	14044122.54E
N-T	4	404417.75N	14044124.77E
9m	5	404419.15N	14044126.98E
STRENGTH OF APRON:	6	404420.45N	14044128.90E
N-APRON	PCN 62/R/B/X/T		
MAGNETIC BRG	AUW 57/00kg/0.49N/0pa		
THR GUND	52°/232°		
RWY06 :	RWY24 : 122.6ft		

AOMORI AP ELEV 650ft TWR  
118.3 - 126.2

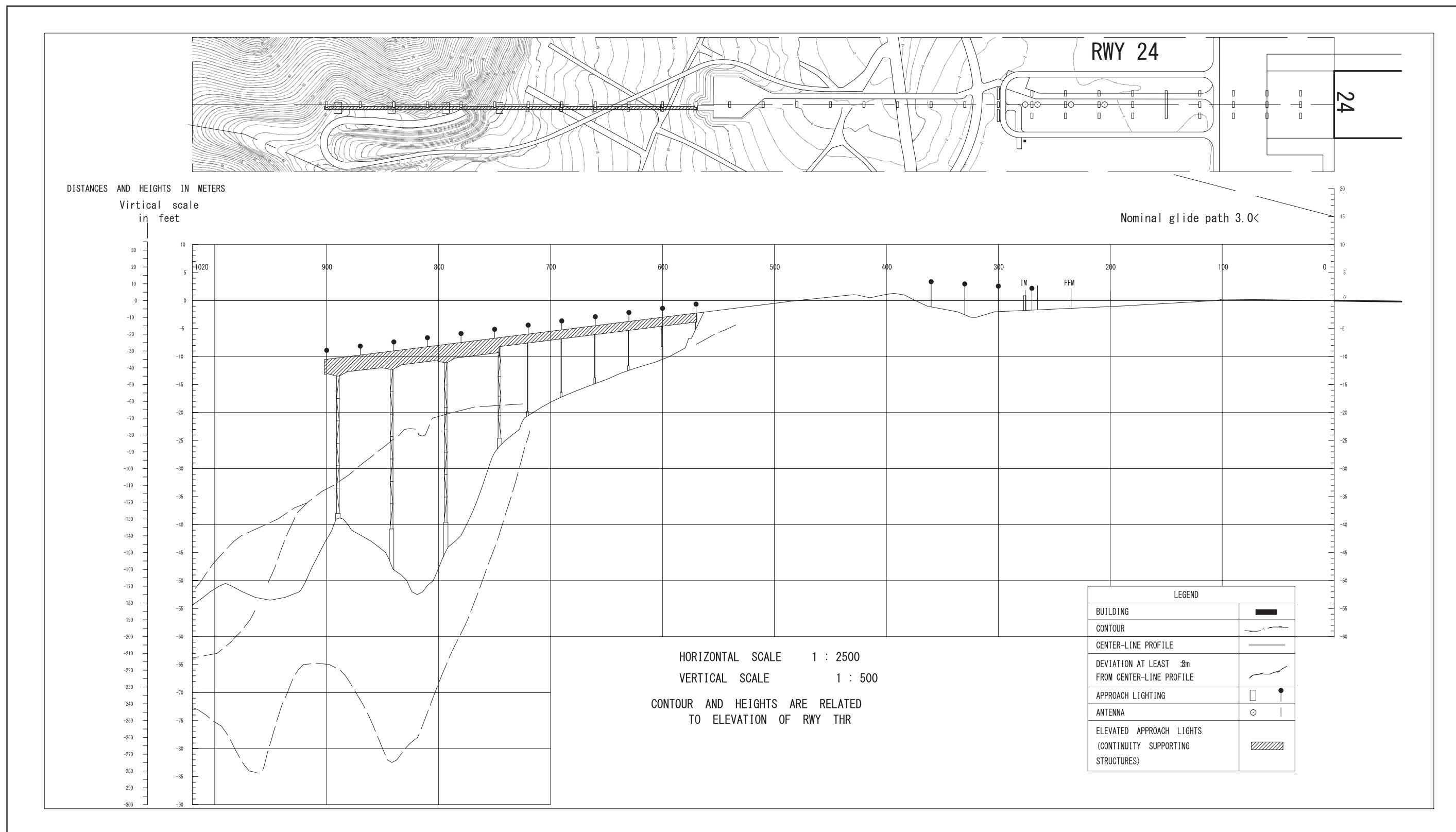
LONGITUDINAL PROFILE OF RWY

Distance (ft/m)	Elevation (ft/m)	Gradient (%)
0m / 0m	648.9ft / 197.15m	0.5%
3800ft / 115.8m	653.1ft / 199.02m	0.132%
5000ft / 152.4m	653.1ft / 199.02m	0.1%
649.6ft / 198.00m	649.6ft / 198.00m	0.3%
664.2ft / 202.44m	664.2ft / 202.44m	0.1%

RWY06      RWY24

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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.

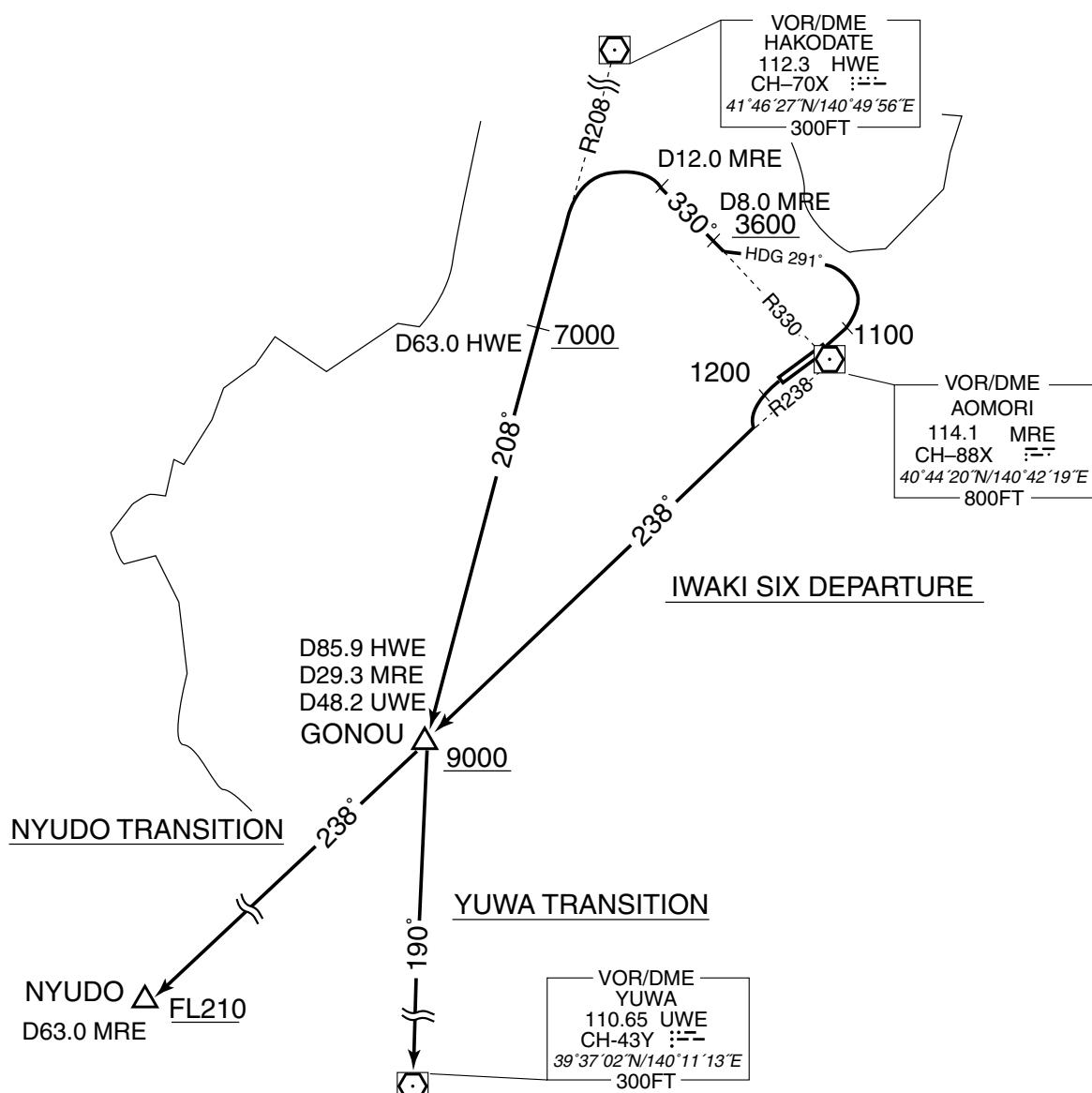
YUWA TRANSITION

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°...

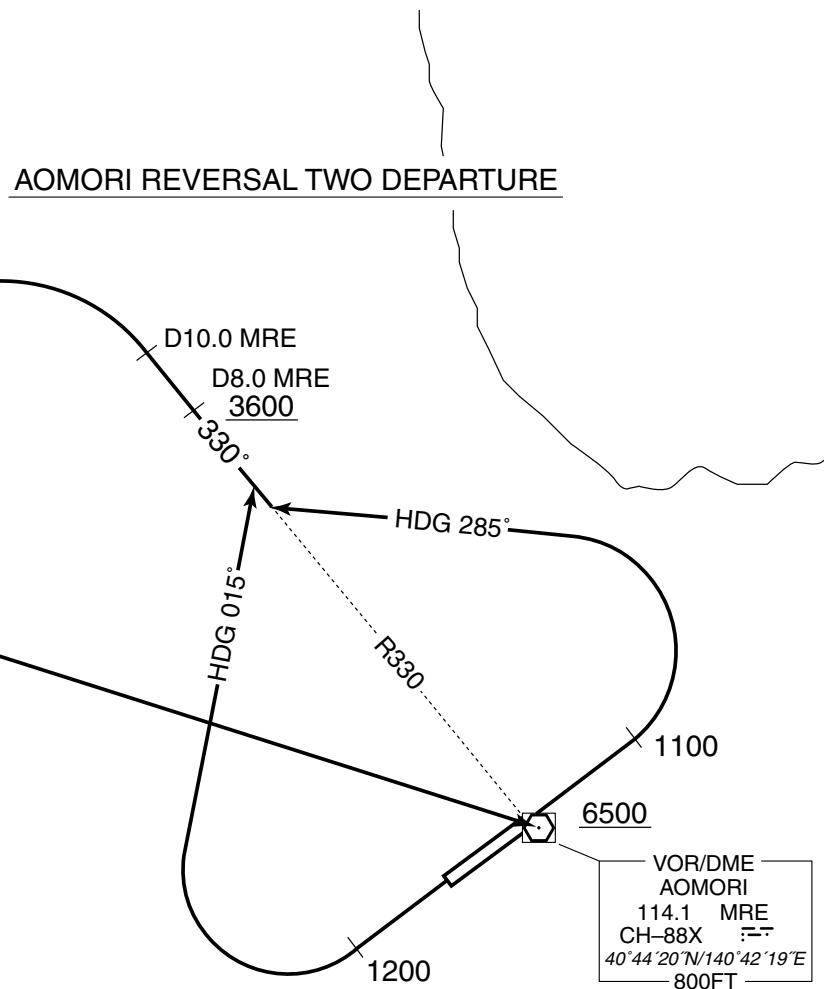
RWY24 : Climb RWY HDG to 1200FT, turn right HDG 015°...

...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,...

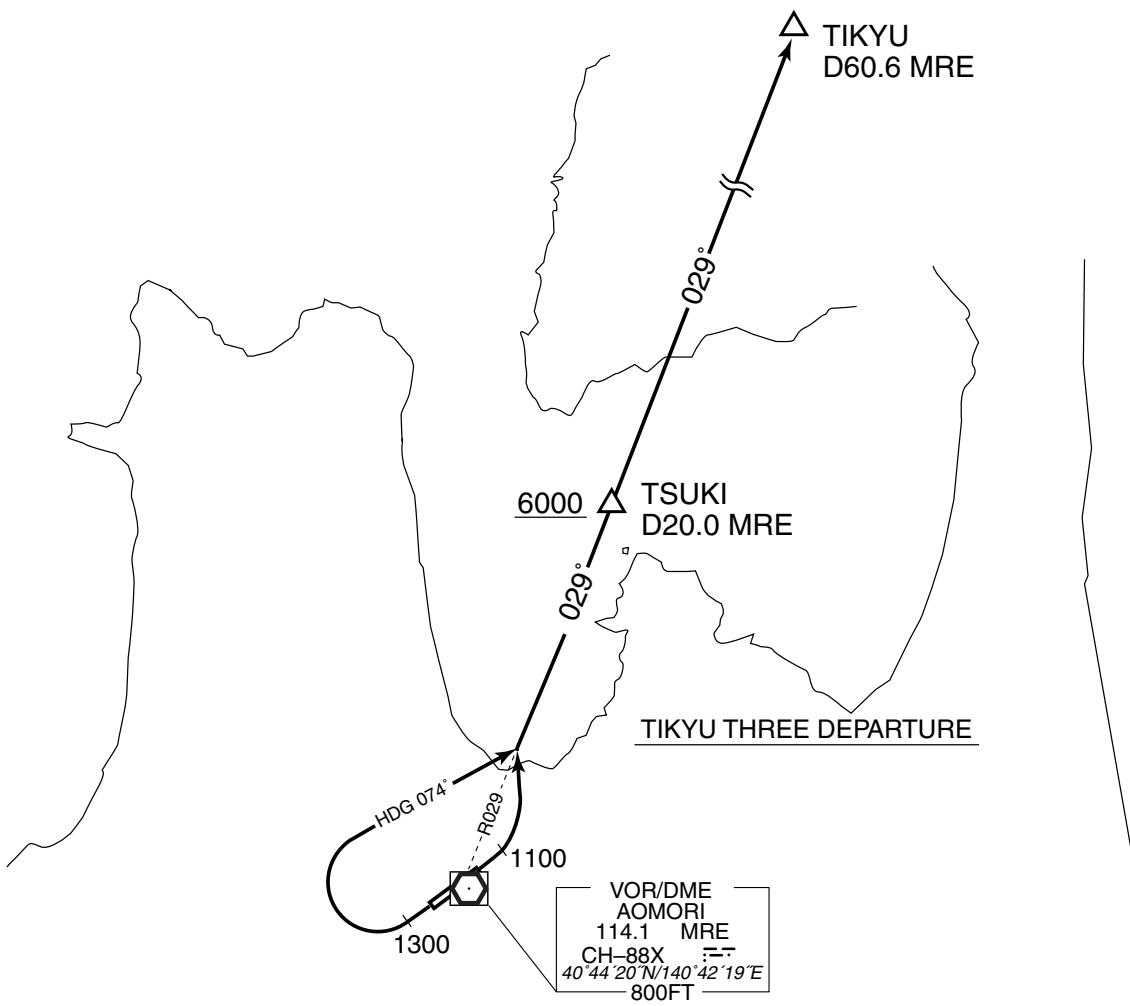
RWY24 : Climb RWY HDG to 1300FT, turn right HDG 074° to intercept and proceed...

...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

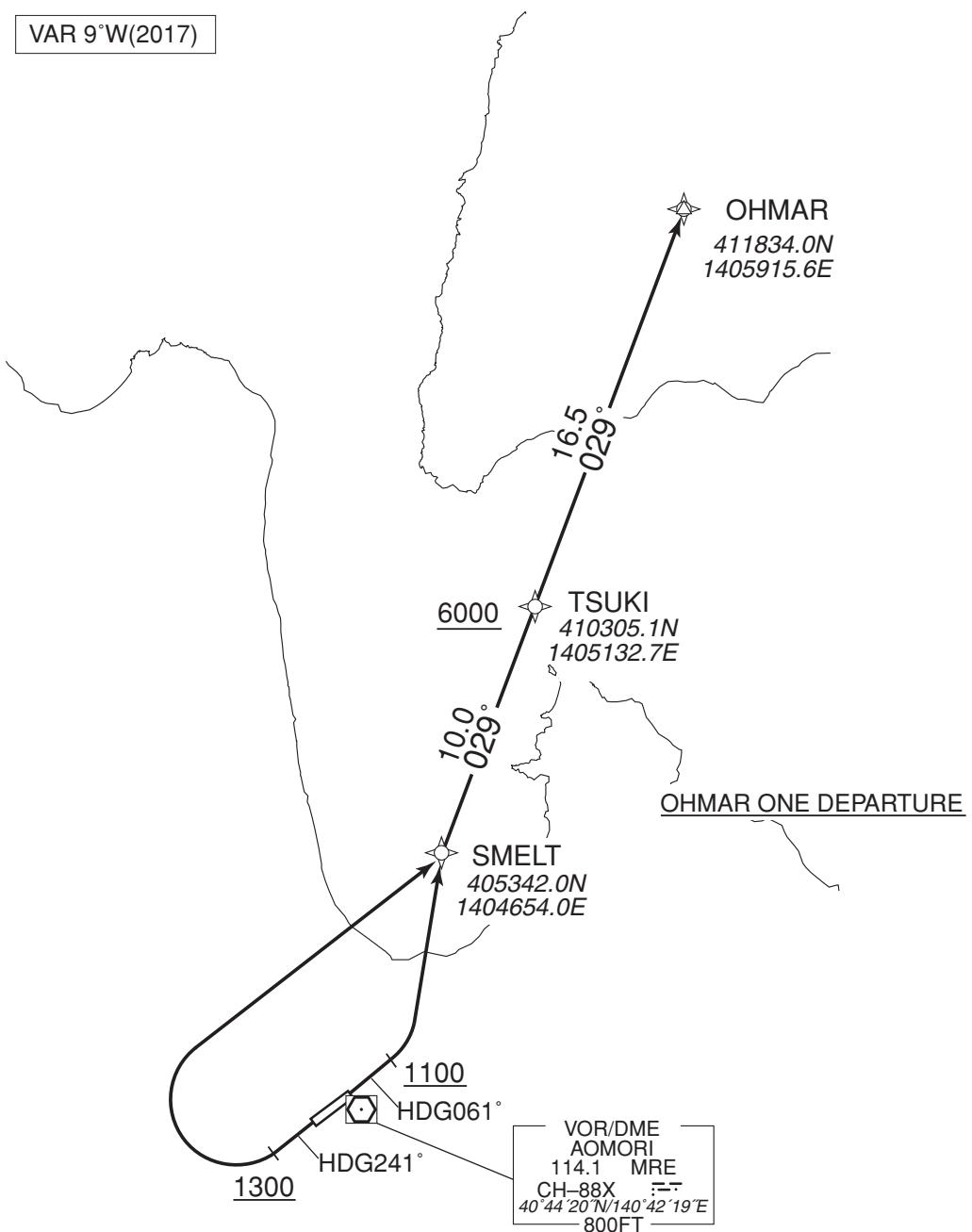
RNAV SID

## 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)

SA  
40452  
140304  
SA612-UWE : 201°/70.0

SA612 1403551.2E  
404524.2N  
1403040.7E

1100

HDG241°

VOR/DME  
AOMORI  
114.1 MRE  
CH-88X   
40°44'20"N/140°42'19"E  
800FT

## SHIRAKAMI ONE DEPARTURE

SA411  
403600.4N  
1402757.9E

SA411-UWE : 201°/60.4

VOR/DME  
YUWA  
110.65 UWE  
CH-43Y :--  
39°37'02"N/140°11'13"E  
300FT

YUWA(UWE)  
393701.7N  
1401113.0E

## 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

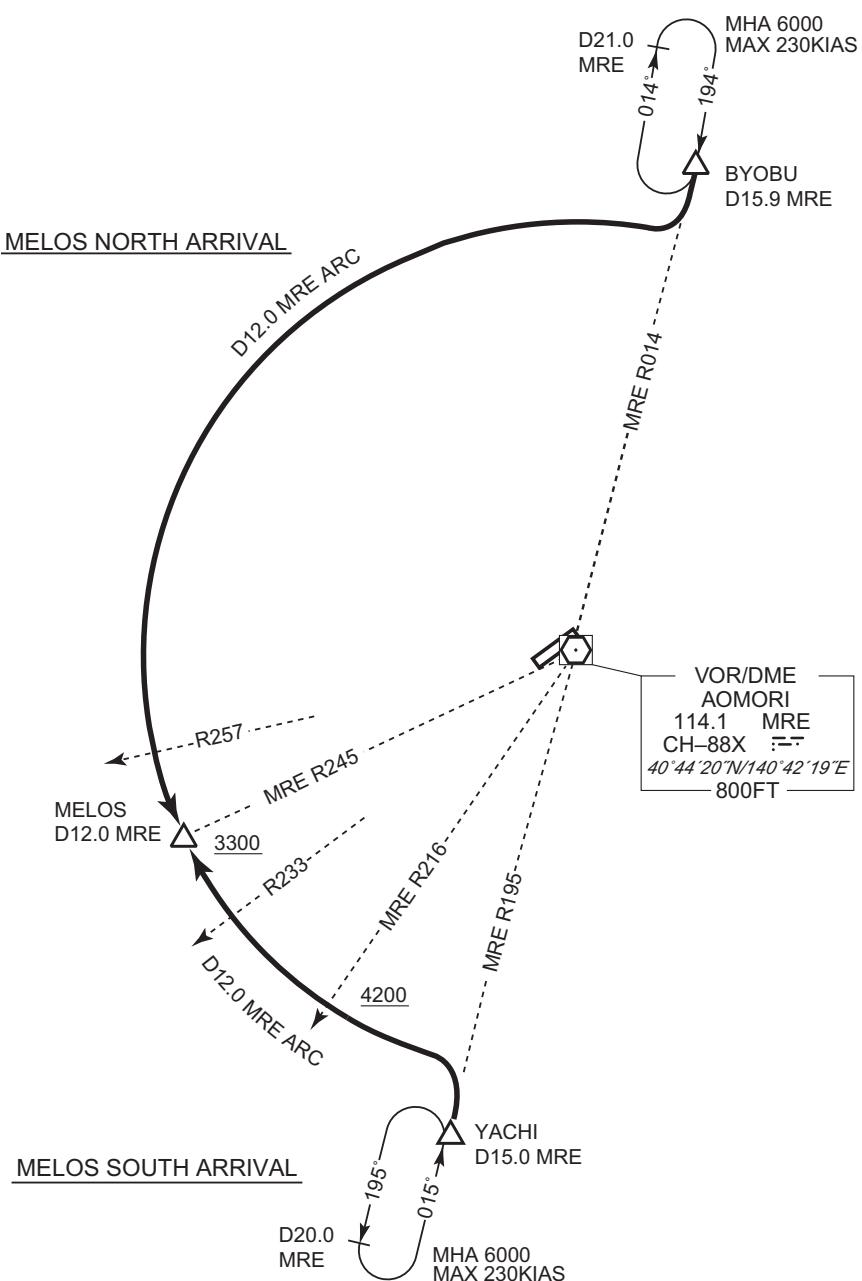
MELOS NORTH ARRIVAL

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

MELOS SOUTH ARRIVAL

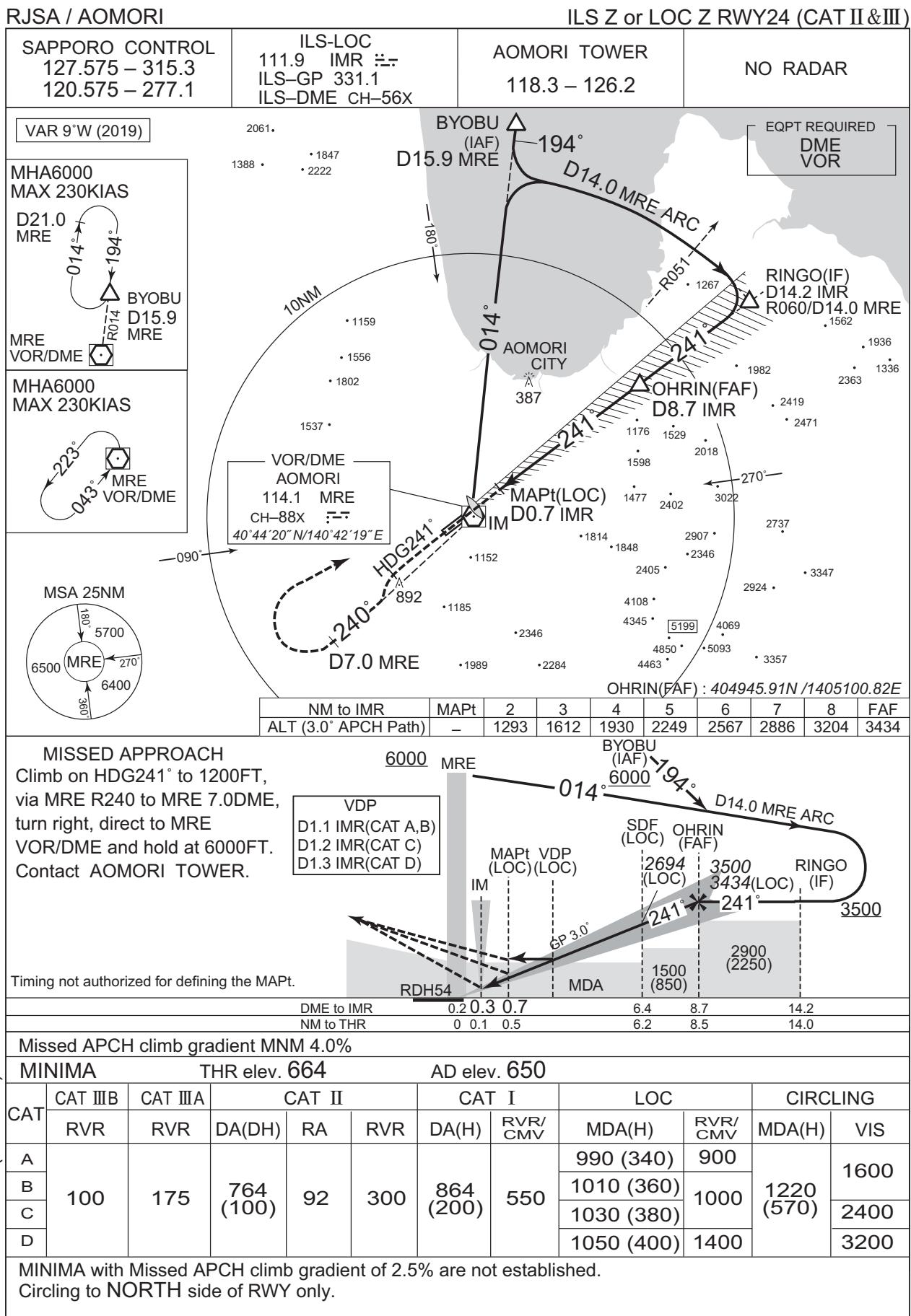
From over YACHI, proceed via MRE 12.0DME clockwise ARC to MELOS.  
Cross MRE R216 at or above 4200FT.  
Cross MELOS at or above 3300FT.

CHANGE : HLDG pattern for BYOBU



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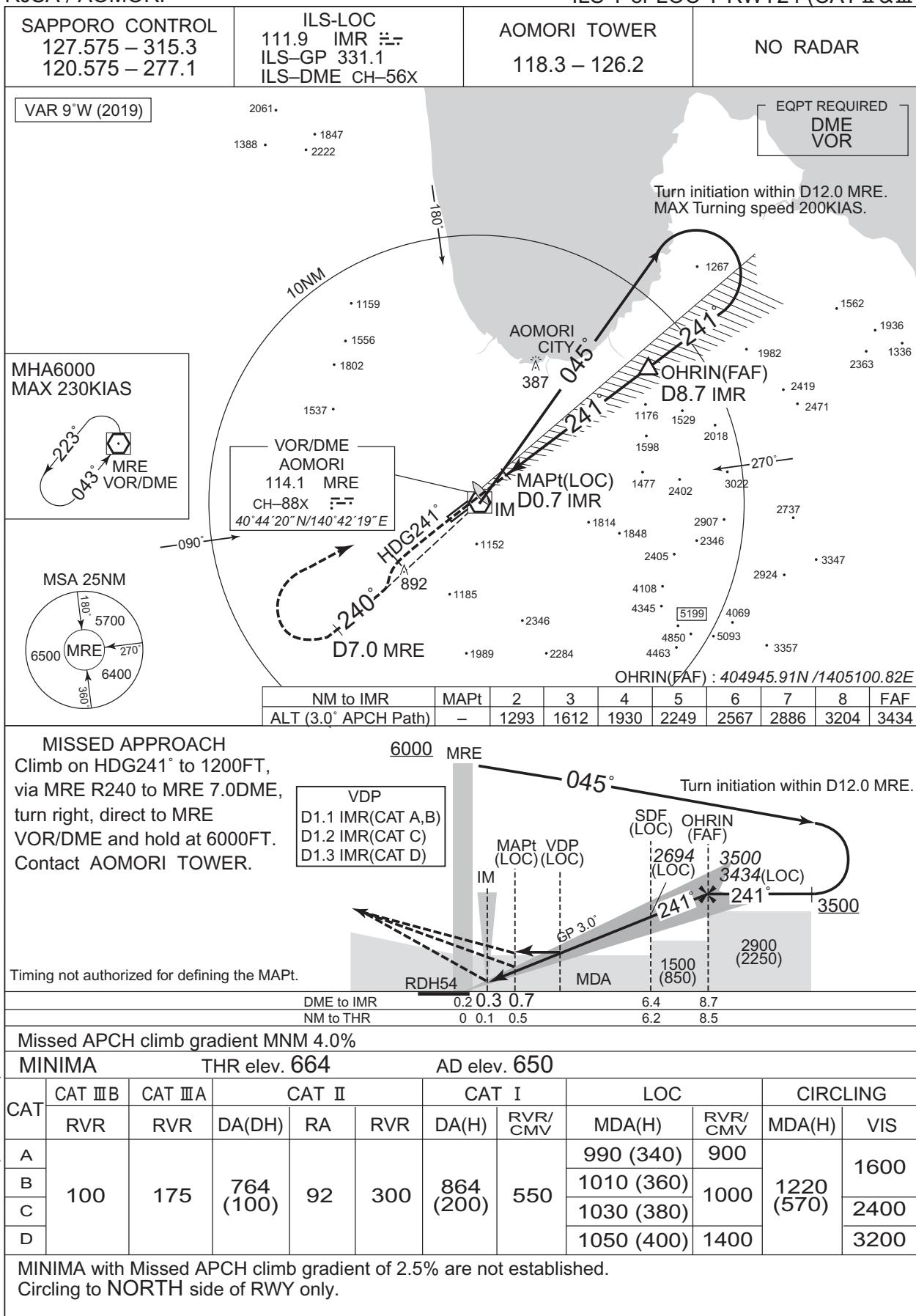
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJSA / AOMORI

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

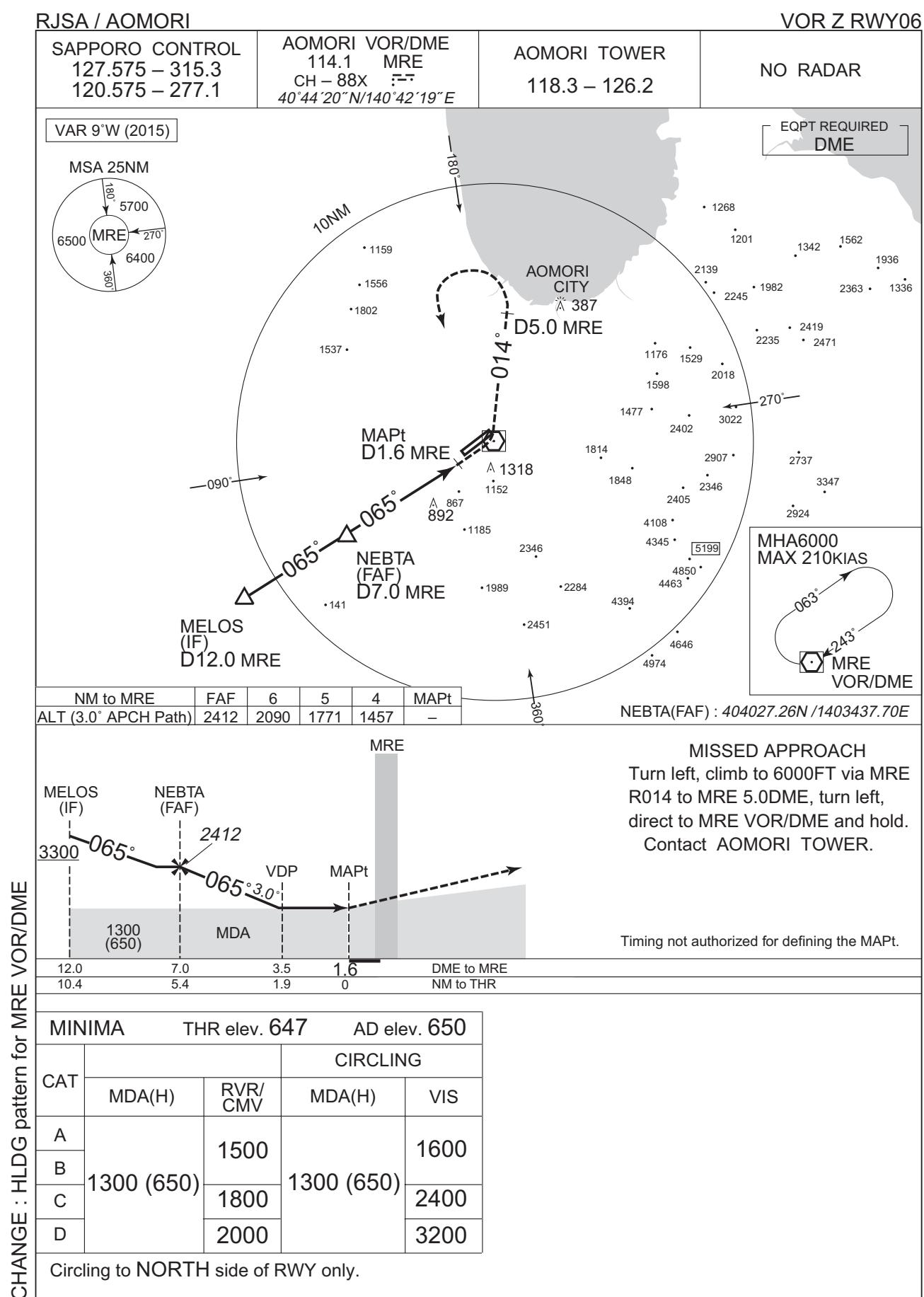


## INSTRUMENT APPROACH CHART

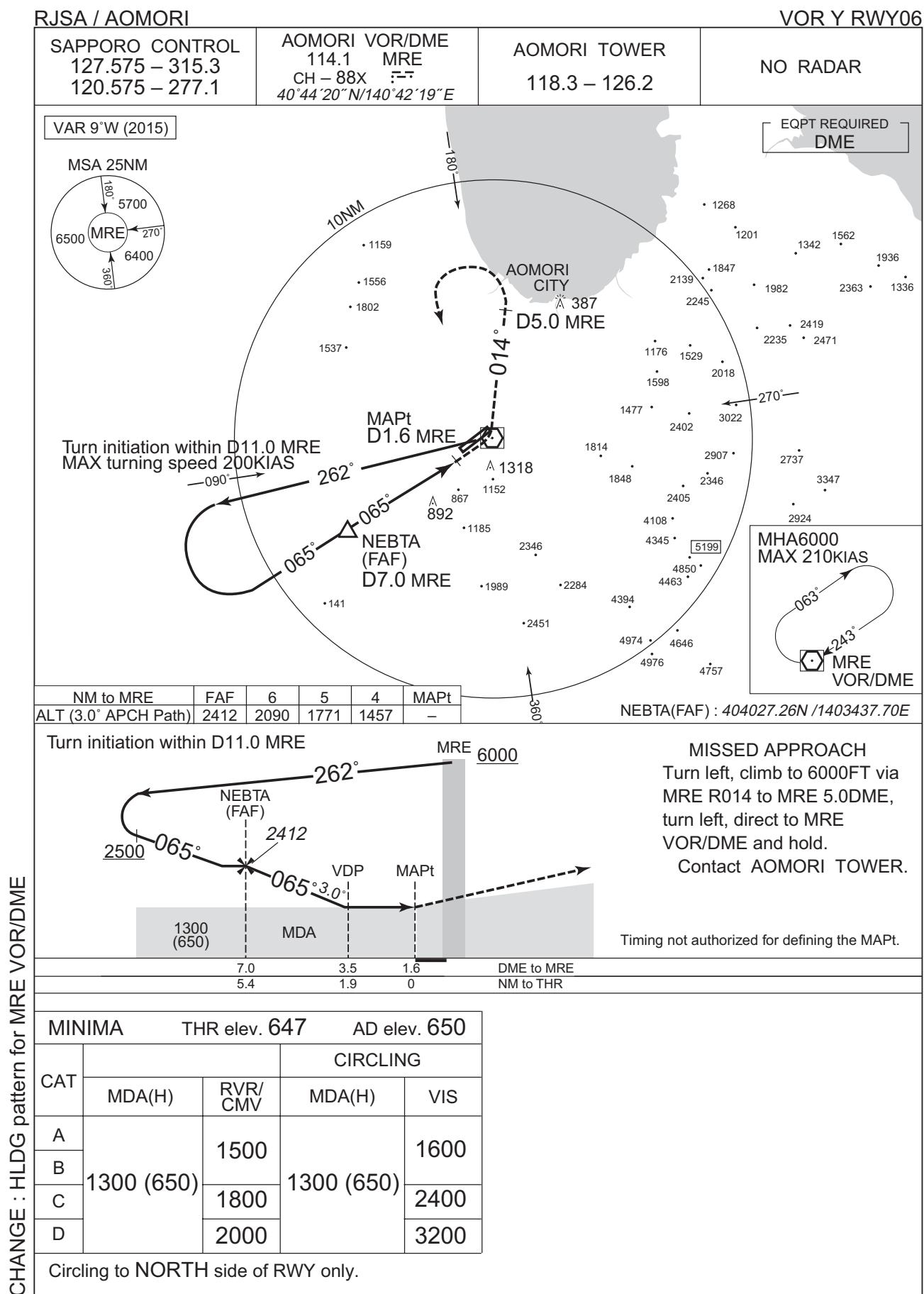
RJSA / AOMORI

VOR RWY24

## INSTRUMENT APPROACH CHART



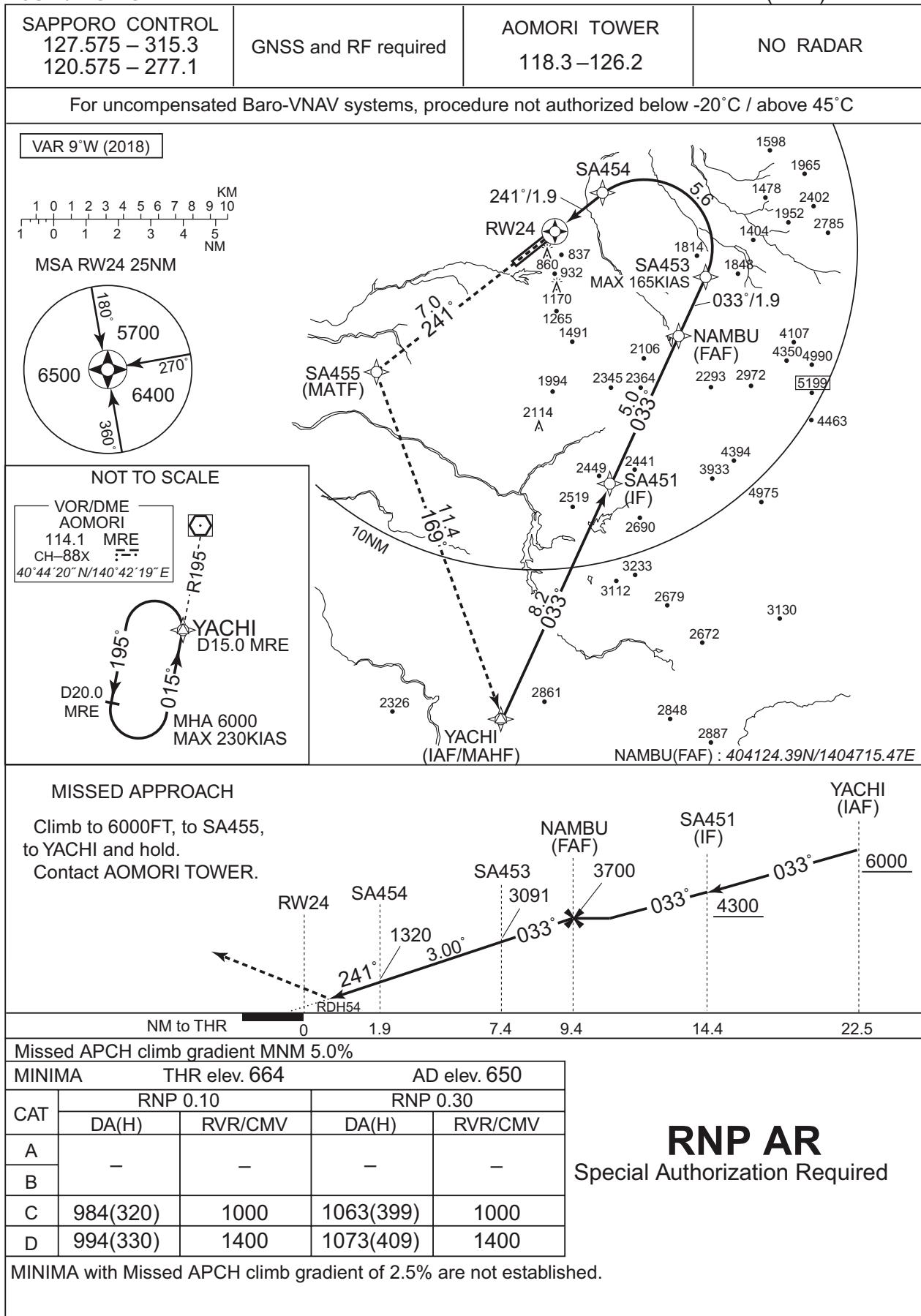
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY24



**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

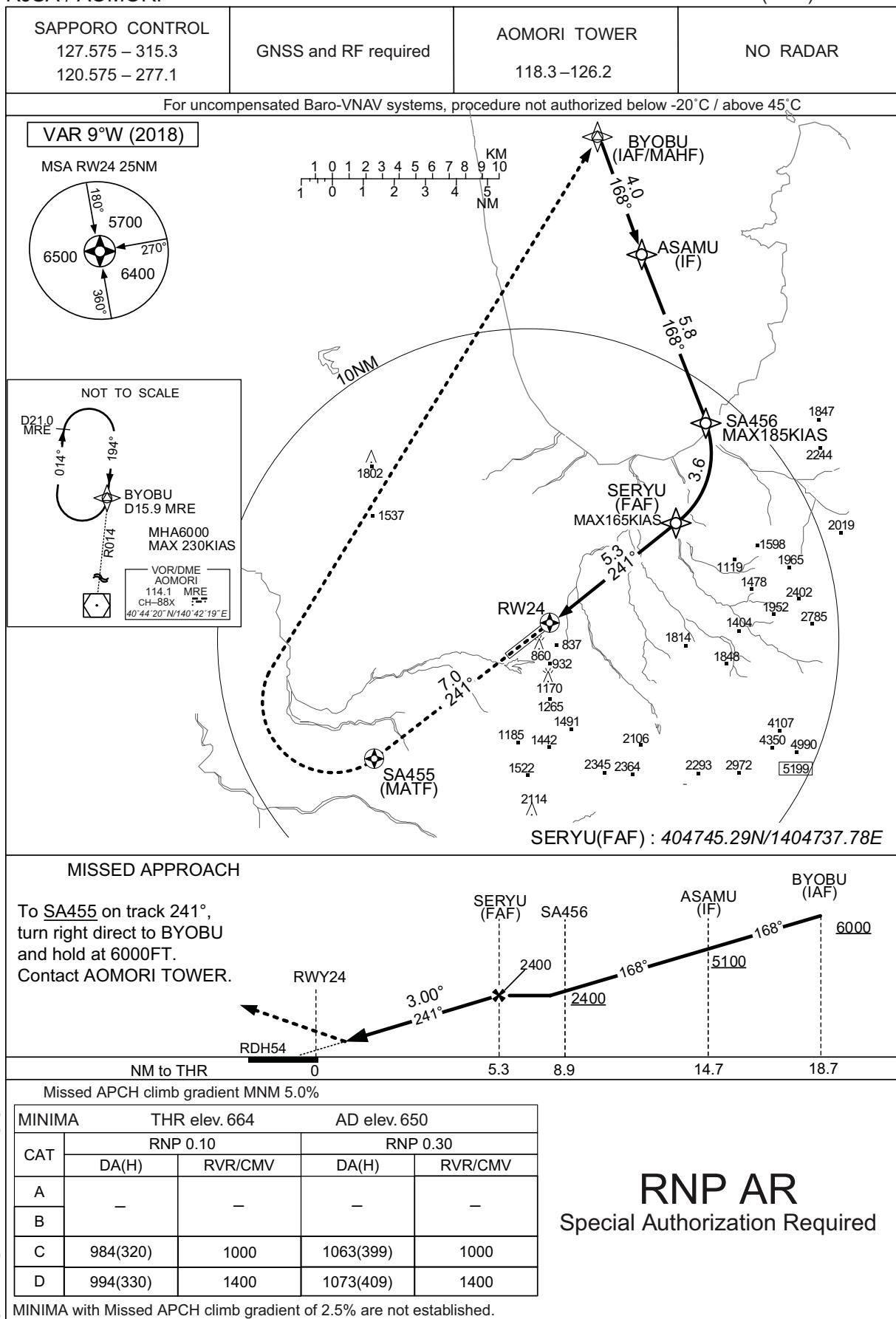
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
YACHI	402925.44N/1404004.97E	SARF1	404400.99N/1404548.34E
SA451	403651.24N/1404431.58E		
NAMBU	404124.39N/1404715.47E		
SA453	404308.85N/1404818.25E		
SA454	404539.74N/1404406.71E		
RW24	404429.79N/1404209.27E		
SA455	404008.45N/1403451.64E		

CHANGE : VAR, PROC renamed

## INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY24



CHANGE : New PROC

INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY24

RNAV (RNP) Y RWY24

Coding Table

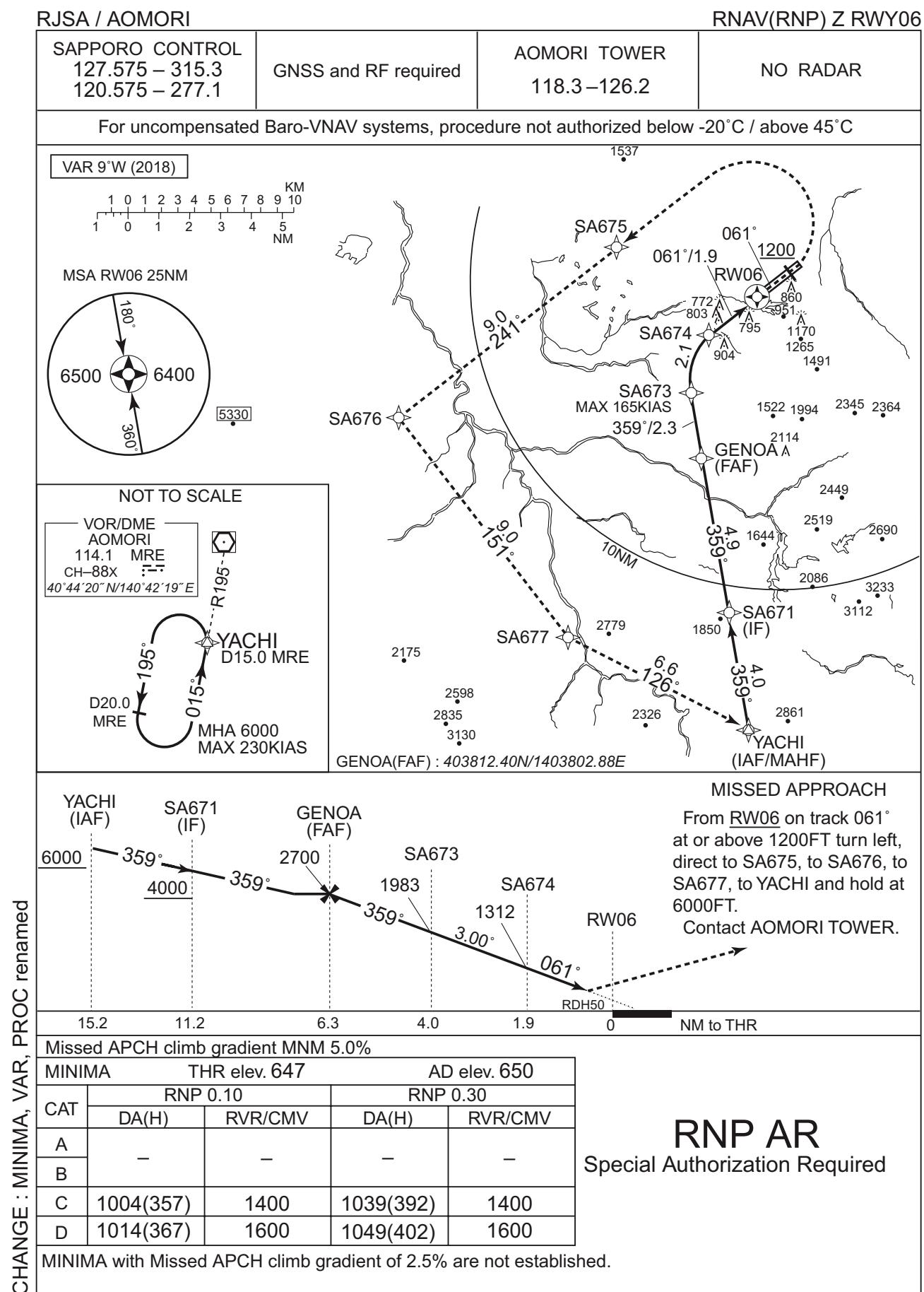
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	BYOBU	—	—	-9.0	—	—	+6000	—	—	—
002	TF	ASAMU	—	168 (159.3)	-9.0	4.0	—	+5100	—	—	1.0
003	TF	SA456	—	168 (159.3)	-9.0	5.8	—	+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

## INSTRUMENT APPROACH CHART



## 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

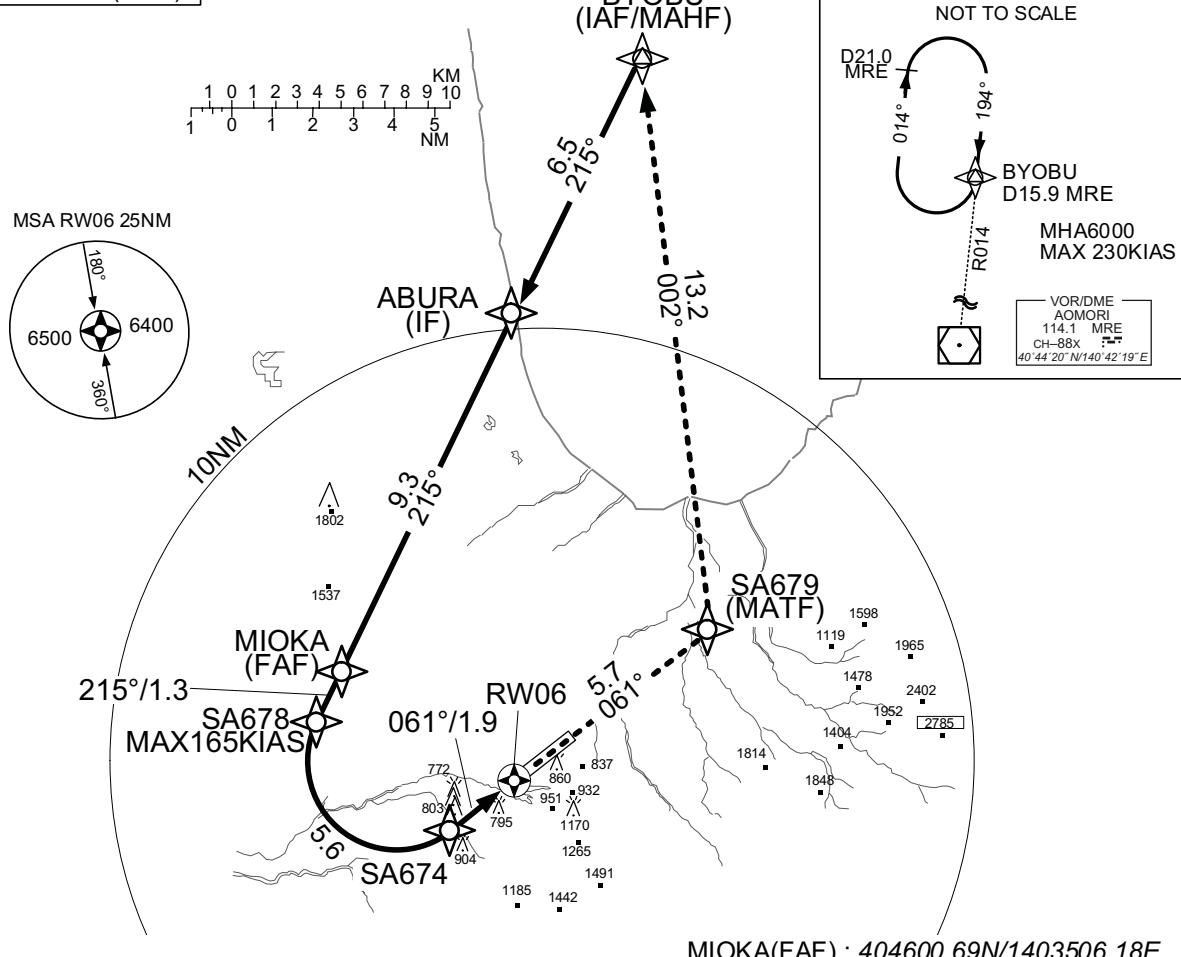
RJSA / AOMORI

RNAV(RNP) Y RWY06

SAPPORO CONTROL	GNSS and RF required	AOMORI TOWER	NO RADAR
127.575 – 315.3 120.575 – 277.1		118.3 – 126.2	

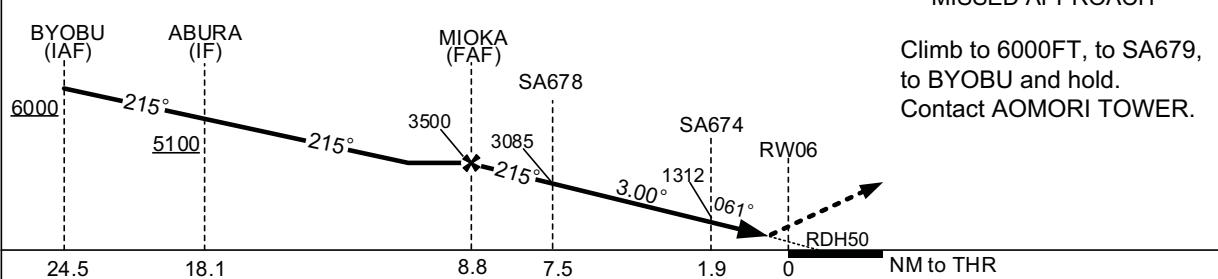
For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C

VAR 9°W (2018)



## MISSED APPROACH

Climb to 6000FT, to SA679,  
to BYOBU and hold.  
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) Y RWY06

<u>RNAV (RNP) Y RWY06</u>											
<u>Coding Table</u>											
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

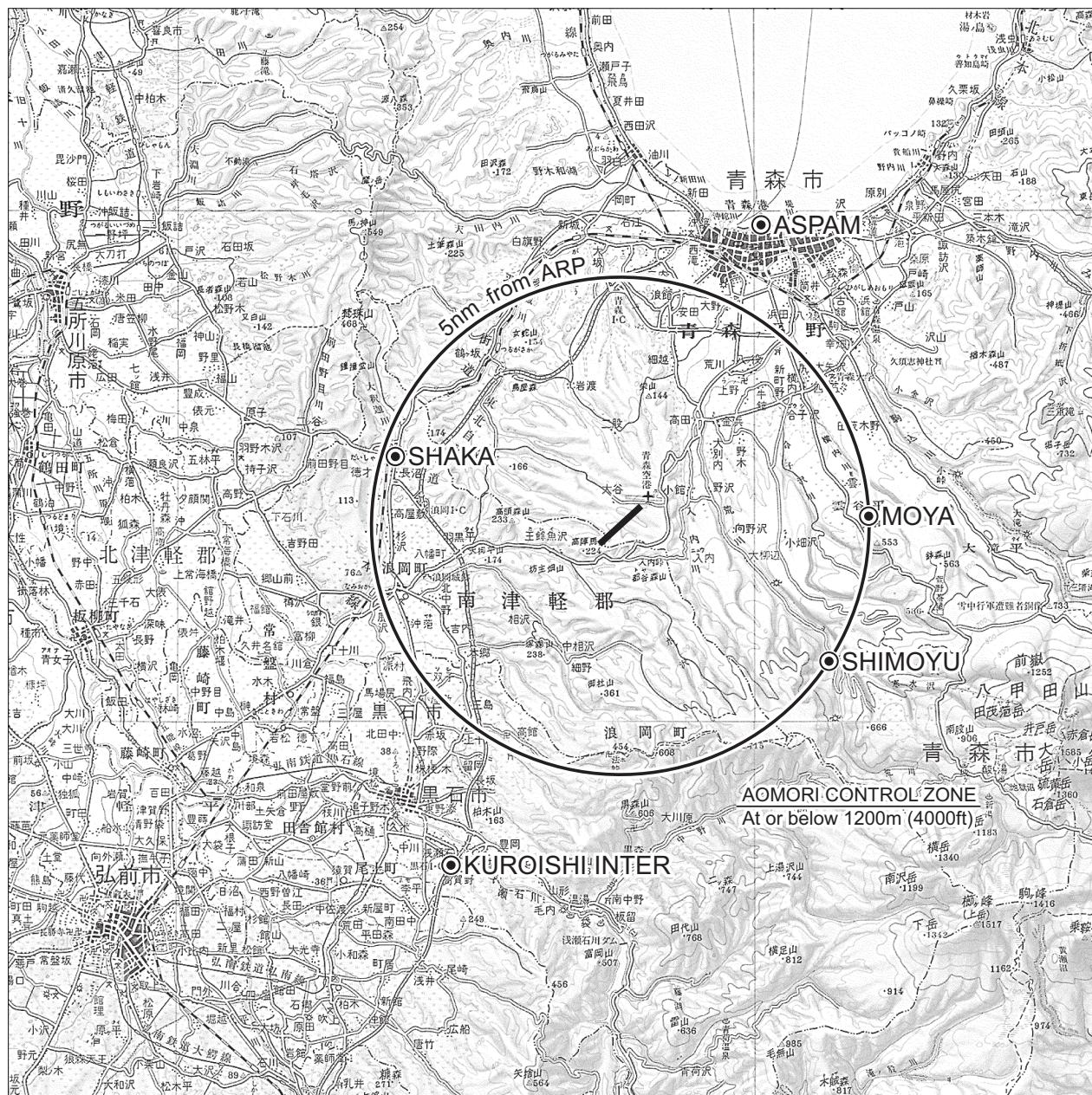
  

<u>Waypoint Coordinates</u>											
Waypoint Identifier	Coordinates				RF Arc Center Identifier				Coordinates		
BYOBU	410009.54N/1404414.25E				SARF4				404355.81N/1403647.71E		
ABURA	405419.99N/1404028.03E										
MIOKA	404600.69N/1403506.18E										
SA678	404450.39N/1403420.99E										
SA674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

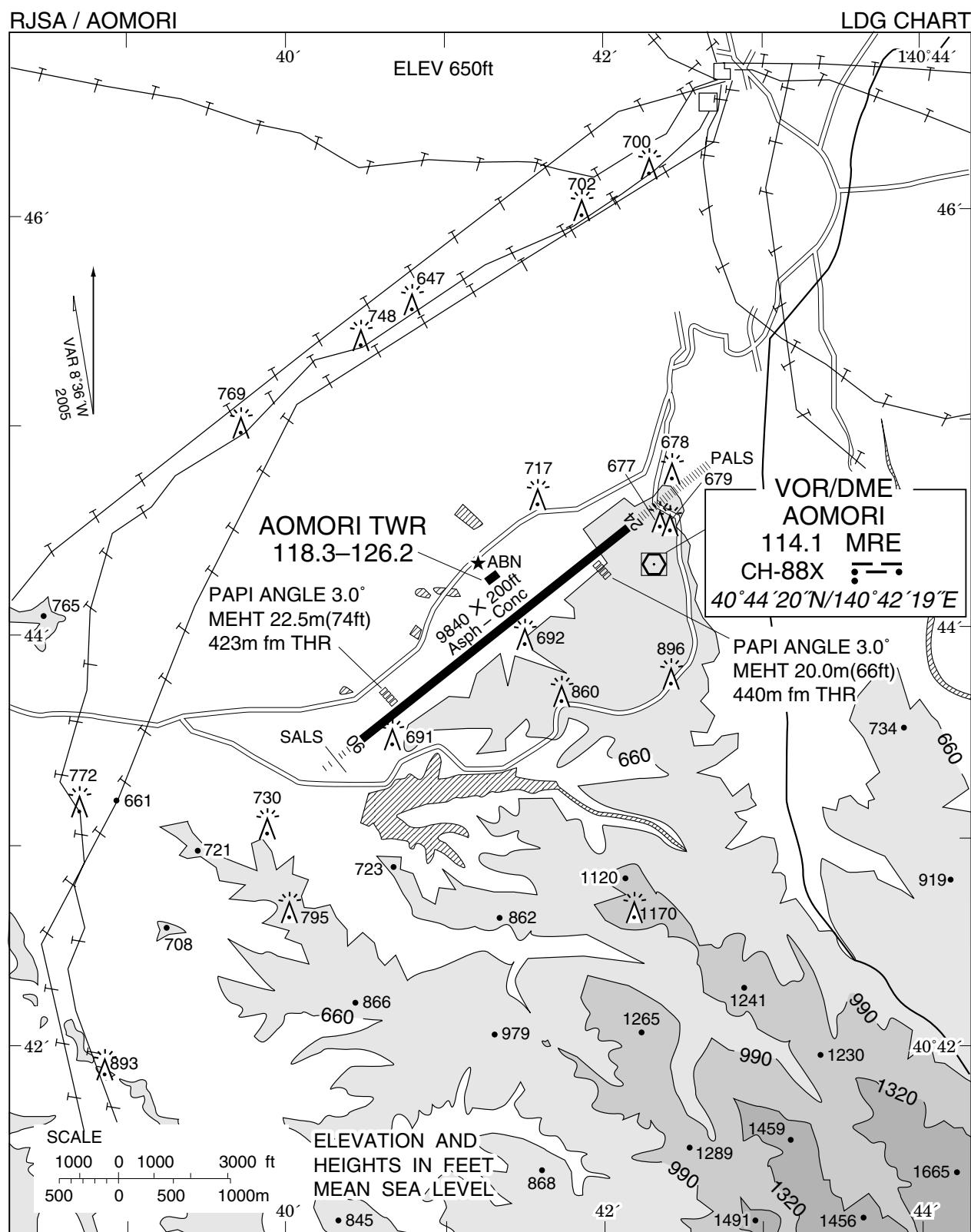
CHANGE : New PROC

## RJSA / AOMORI

## Visual REP



Call sign	BRG / DIST from ARP	Remarks
アスパム Aspam	031°/ 6.3NM	アスパム, 三角形のビル ASPAM, Triangular
雲谷 Moya	096°/ 4.9NM	雲谷スキーコース Moya Slope
下湯 Shimoyu	131°/ 5.0NM	下湯平成湖 Lake
黒石インター Kuroishi Inter	215°/ 7.4NM	東北自動車道黒石インター Intersection
釧駒 Shaka	295°/ 4.8NM	JR大釧駒駅 JR Station



RJSA / AOMORI

Minimum Vectoring Altitude CHART

VAR 9°W (1999)

