

AD CHART

[illegible]

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PRECISION APPROACH TERRAIN CHART



RJSA / AOMORI

SID and TRANSITION

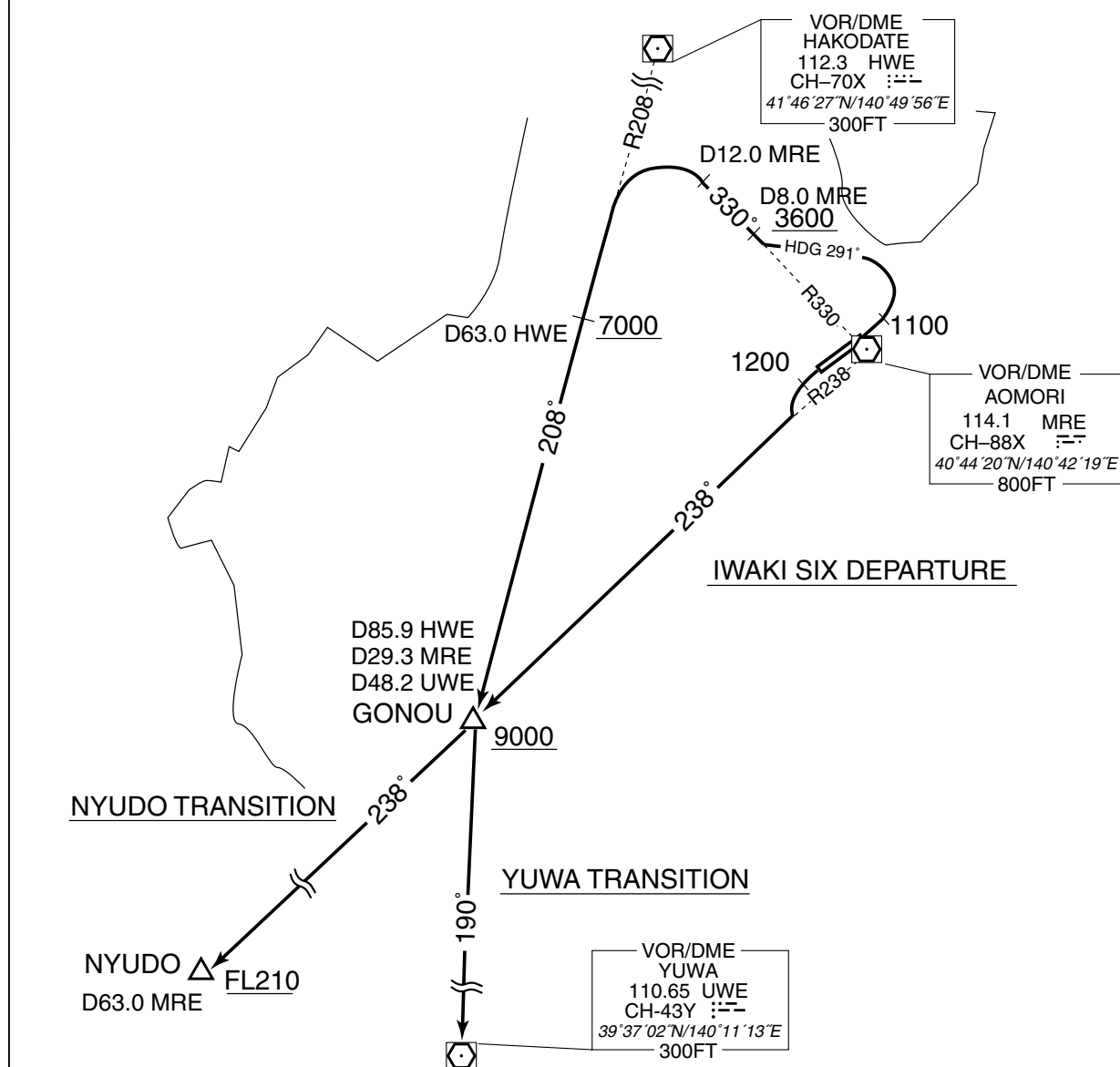
RWY06 : Climb RWY HDG to 1100FT, turn left HDG 291° to intercept and proceed via MRE R330 to 12.0DME, turn left, via HWE R208 to GONOU.
Cross MRE R330/8.0DME at or above 3600FT, cross HWE R208/63.0DME at or above 7000FT, cross GONOU at or above 9000FT.

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.

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

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

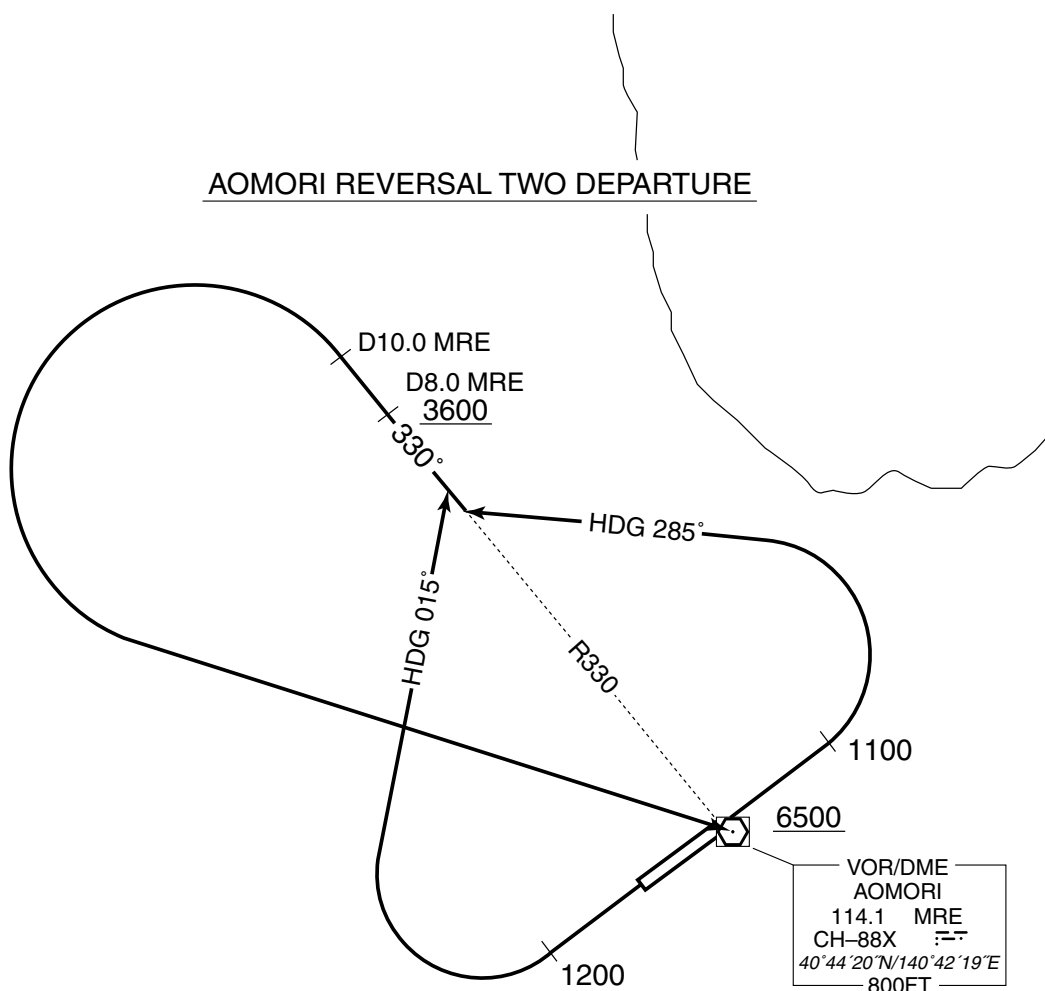
RWY06 : Climb RWY HDG to 1100FT, turn left HDG 285°...

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

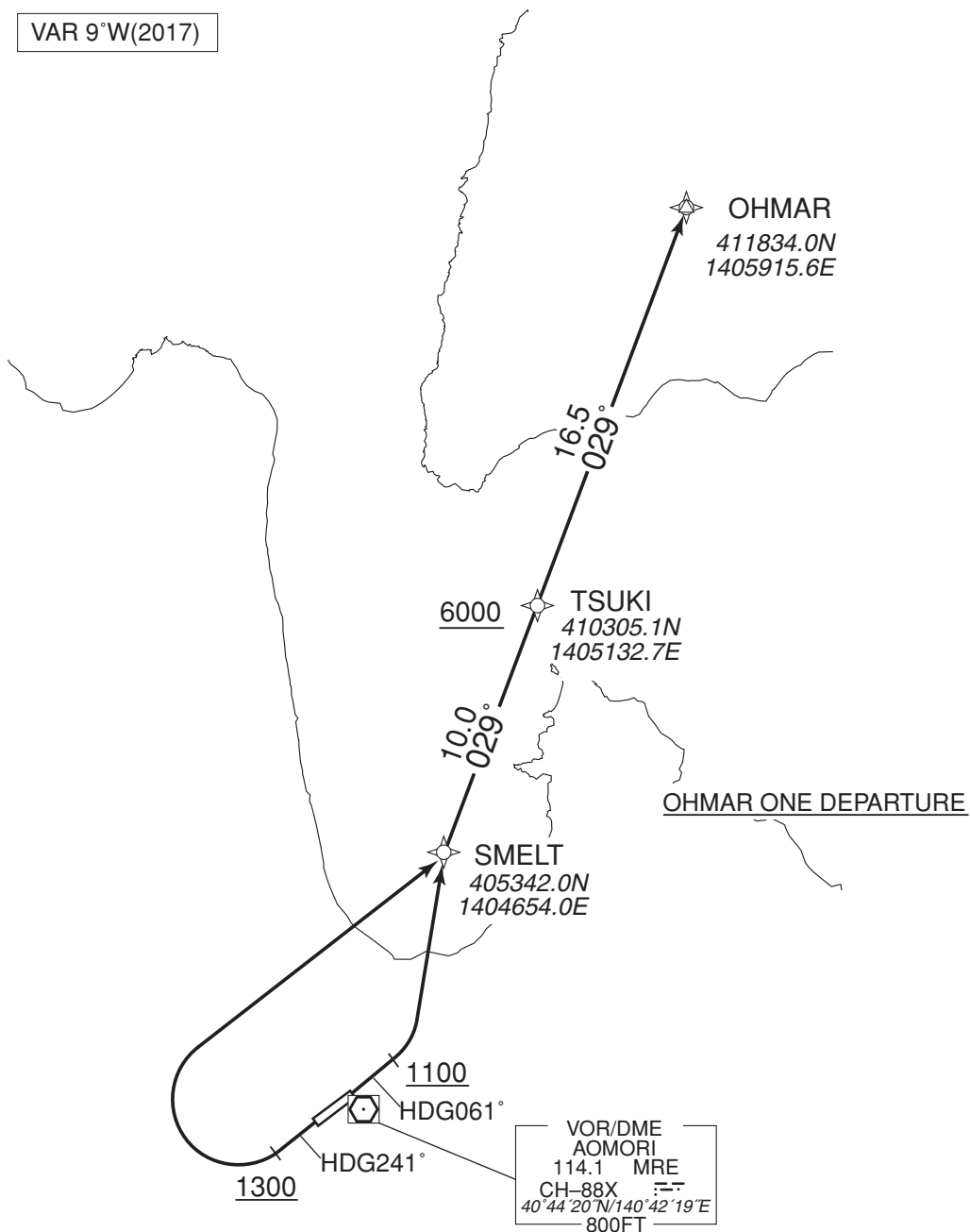
RNAV SID

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

RJSA / AOMORI

MELOS NORTH ARRIVAL

MELOS SOUTH ARRIVAL

MELOS NORTH ARRIVAL



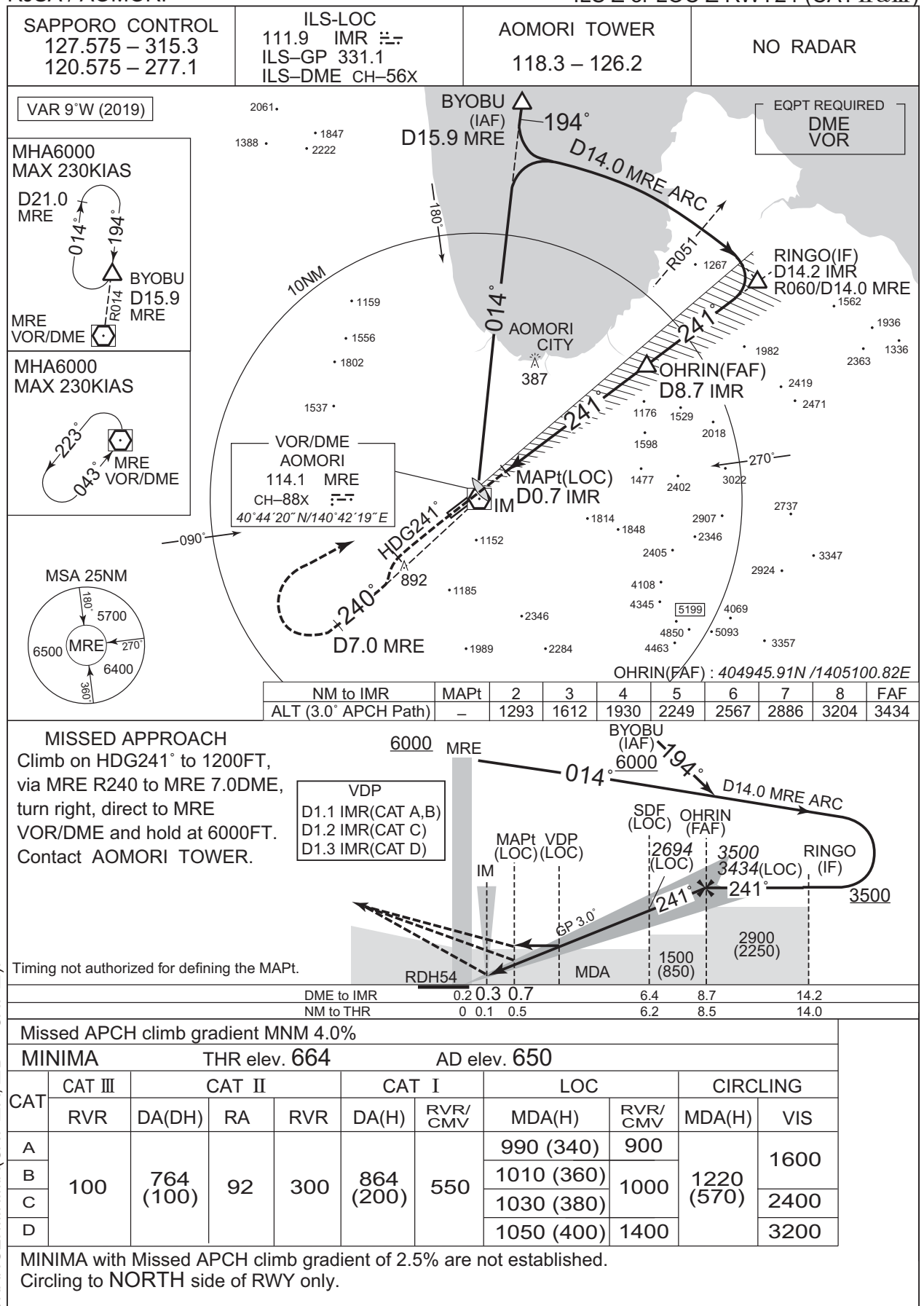
CHANGE : HLDG pattern for BYOBU

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INSTRUMENT APPROACH CHART

RJSA / AOMORI

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



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

INSTRUMENT APPROACH CHART

RJSA / AOMORI

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



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

INSTRUMENT APPROACH CHART

RJSA / AOMORI

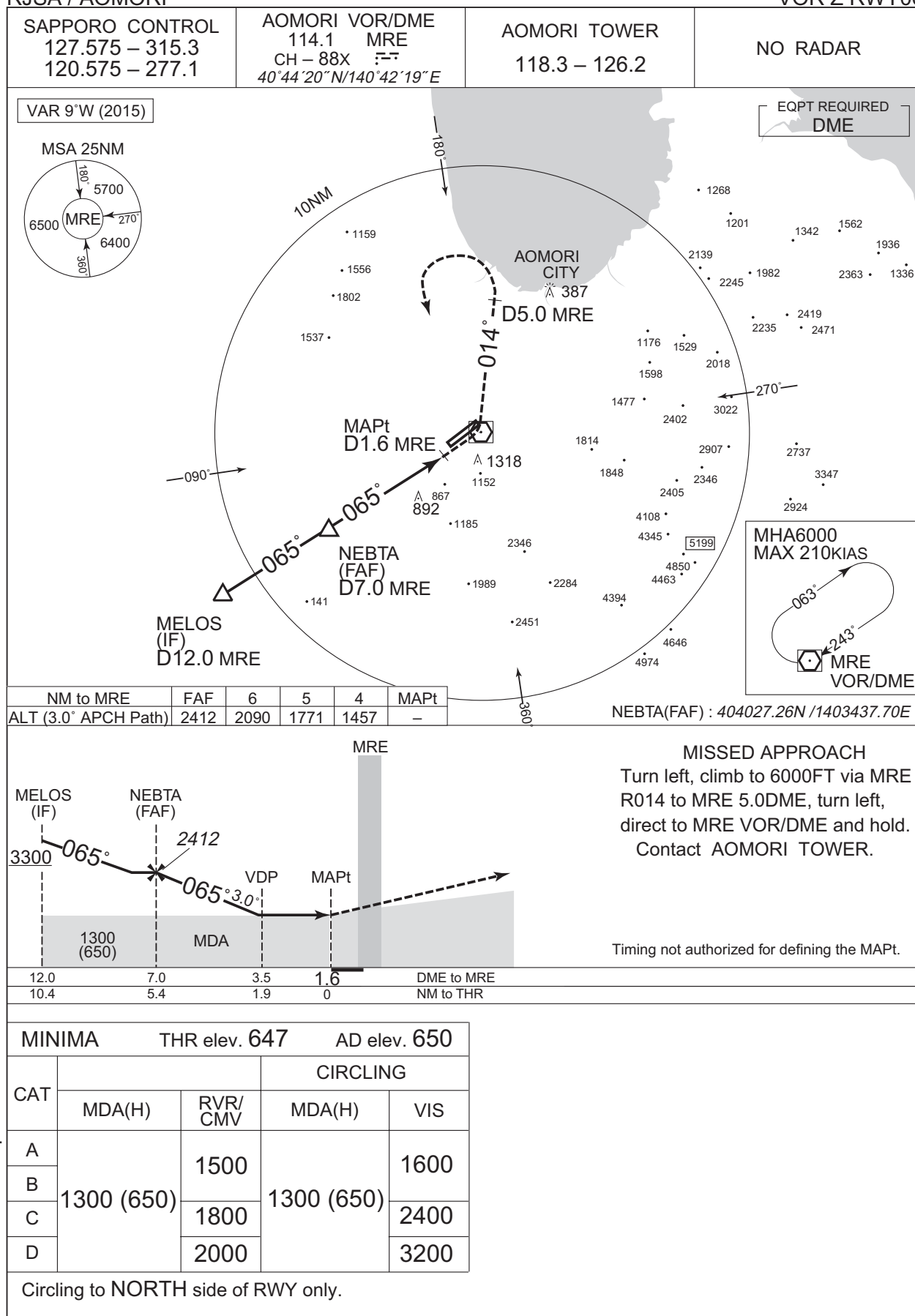
VOR RWY24



INSTRUMENT APPROACH CHART

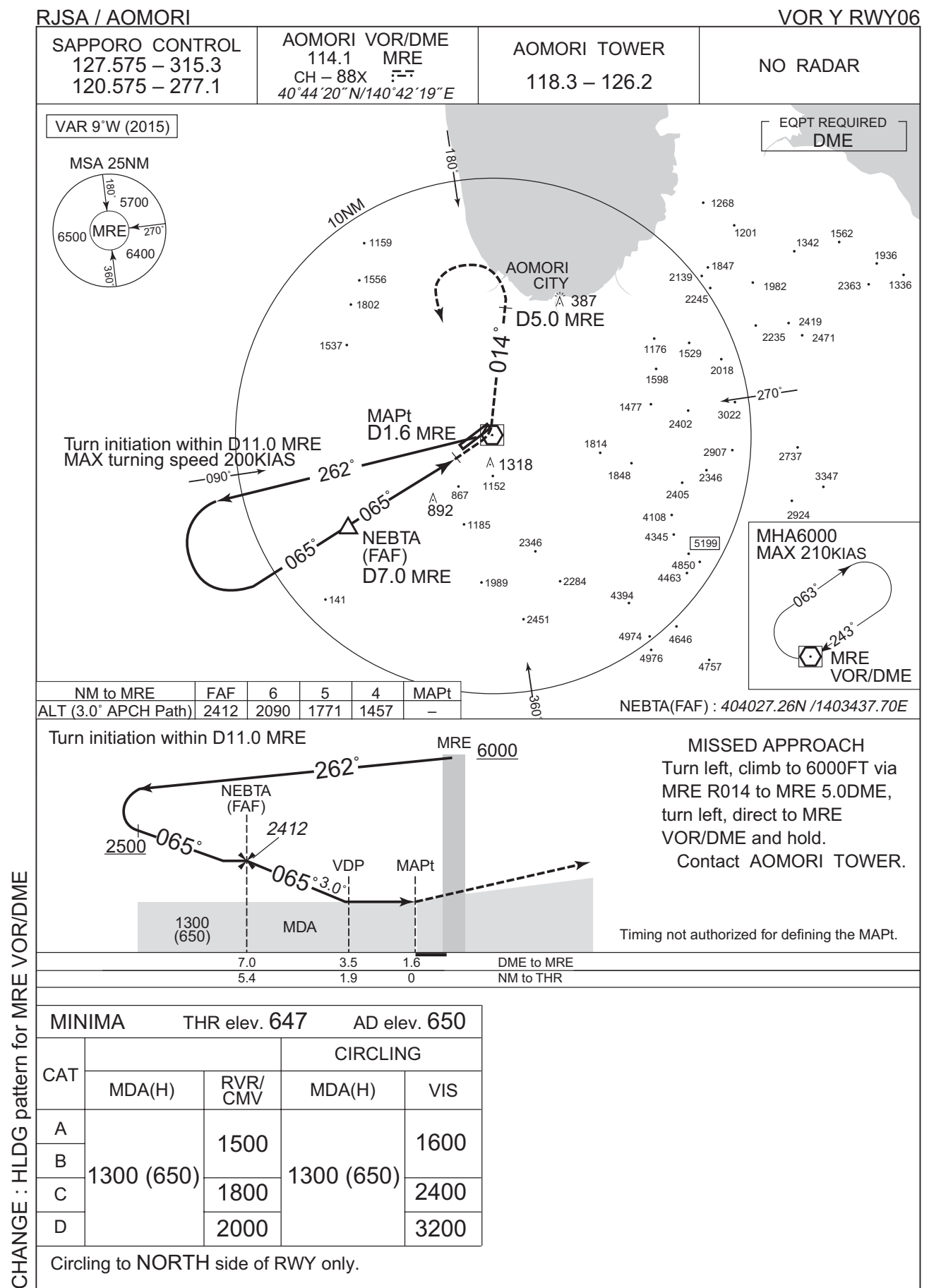
RJSA / AOMORI

VOR Z RWY06



CHANGE : HLDG pattern for MRE VOR/DME

INSTRUMENT APPROACH CHART



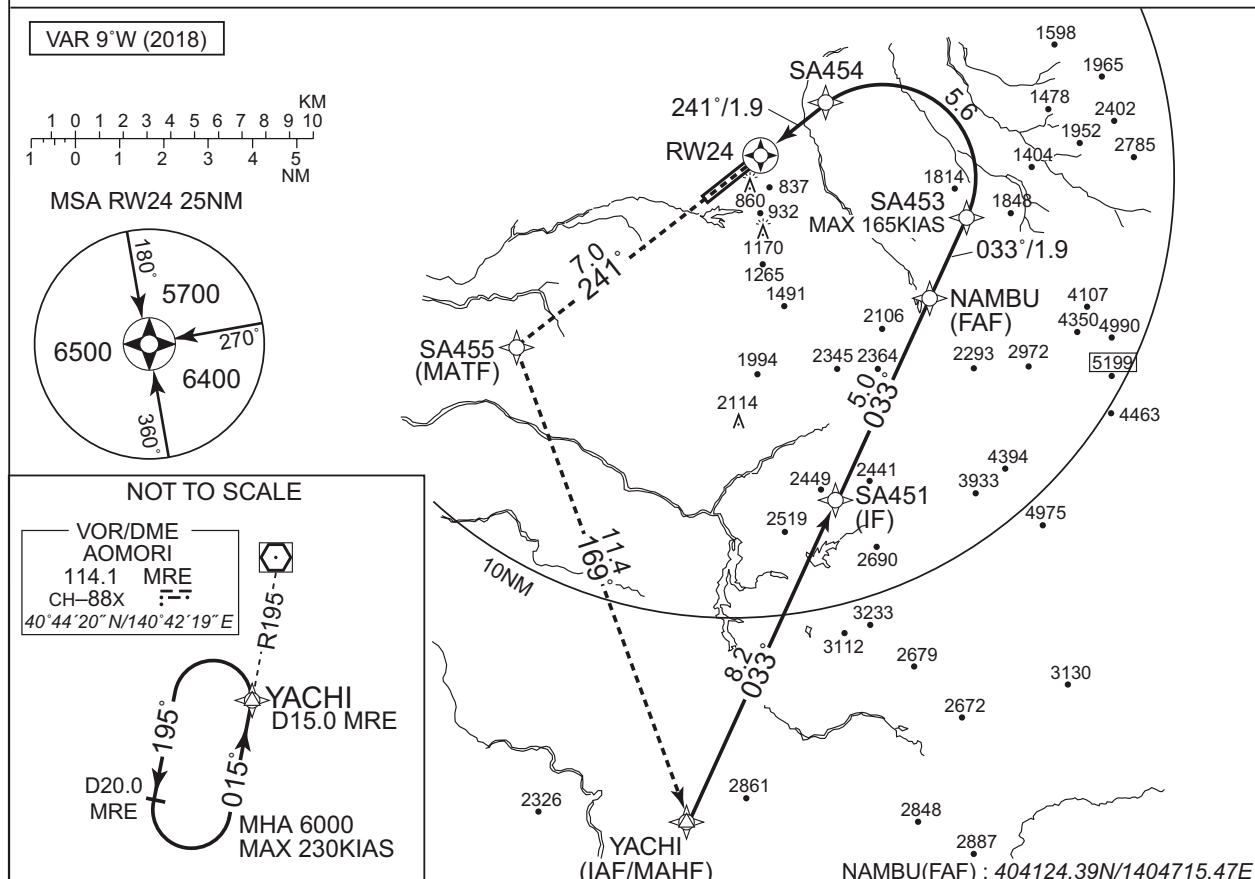
INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY24

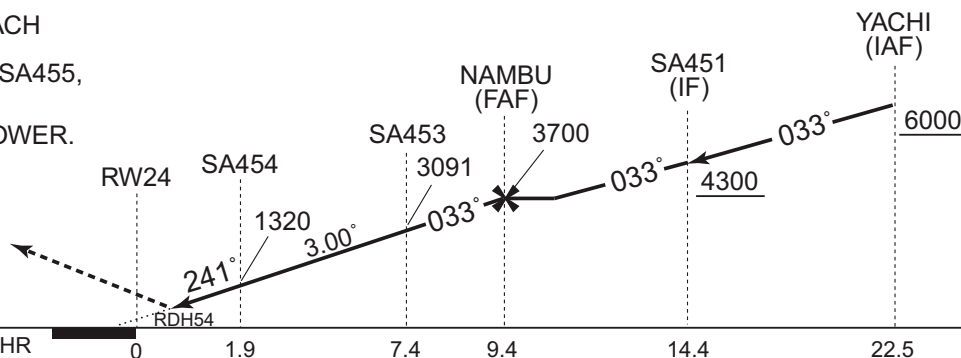
SAPPORO CONTROL 127.575 – 315.3 120.575 – 277.1	GNSS and RF required	AOMORI TOWER 118.3 – 126.2	NO RADAR
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For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C



MISSED APPROACH

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



Missed APCH climb gradient MNM 5.0%

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 : Editorial

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

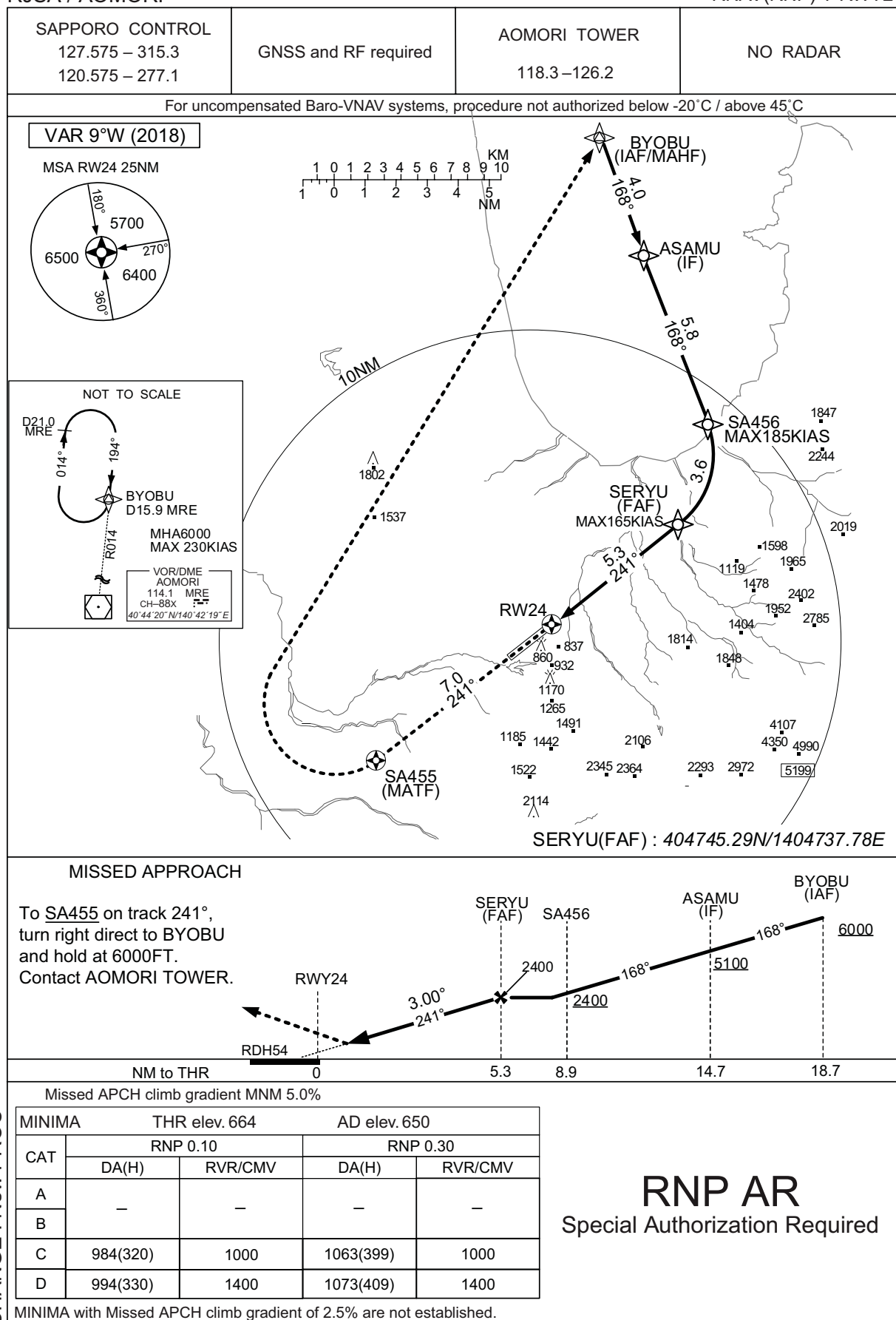
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
YACHI	402925.44N/1404004.97E	SARF1	404400.99N/1404548.34E
SA451	403651.24N/1404431.58E		
NAMBU	404124.39N/1404715.47E		
SA453	404308.85N/1404818.25E		
SA454	404539.74N/1404406.71E		
RW24	404429.79N/1404209.27E		
SA455	404008.45N/1403451.64E		

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 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

INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY06

SAPPORO CONTROL
127.575 – 315.3
120.575 – 277.1

GNSS and RF required

AOMORI TOWER
118.3 – 126.2

NO RADAR

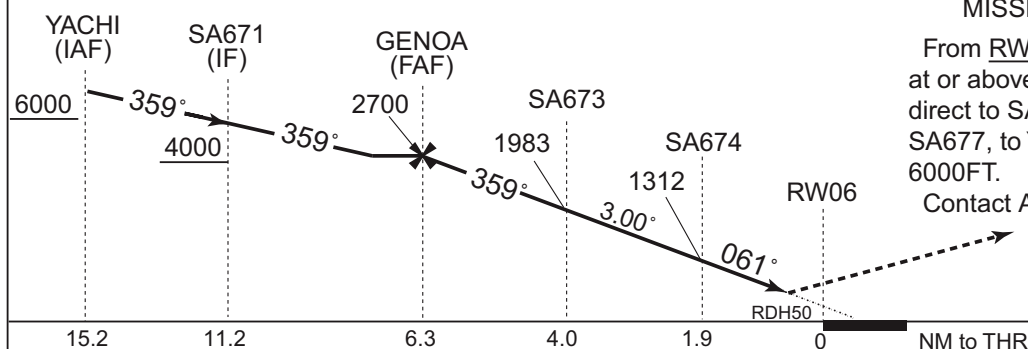
For uncompensated Baro-VNAV systems, procedure not authorized below -20°C / above 45°C



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

CHANGE : MINIMA, VAR, PROC renamed

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

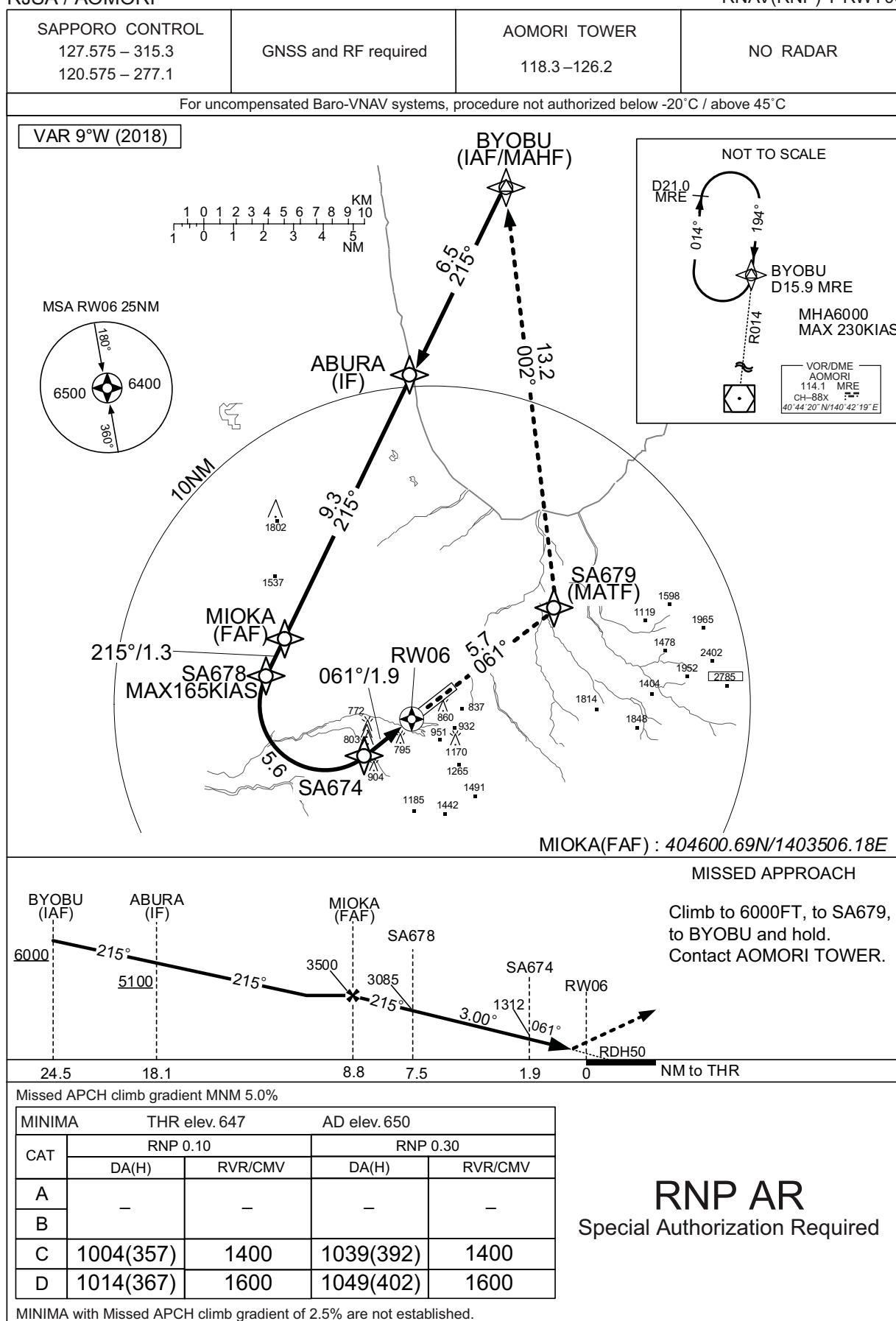
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
YACHI	402925.44N/1404004.97E	SARF2	404045.88N/1404003.56E
SA671	403322.04N/1403910.22E		
GENOA	403812.40N/1403802.88E		
SA673	404025.48N/1403731.96E		
SA674	404218.09N/1403828.52E		
RW06	404329.77N/1404028.61E		
SA675	404504.89N/1403421.94E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

CHANGE : VAR, PROC renamed

INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Y RWY06



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

