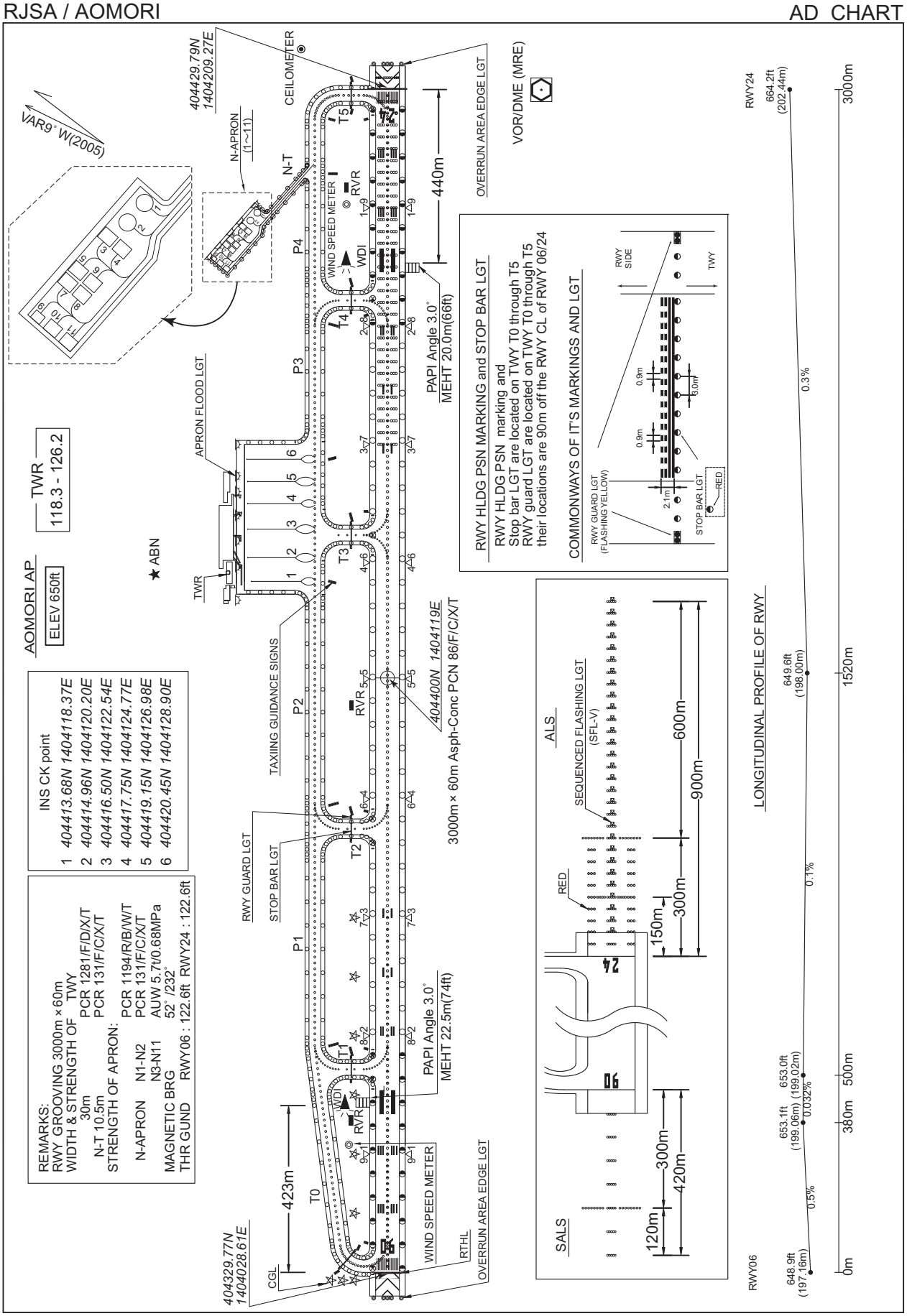
RJSA / AOMORI AD CHART



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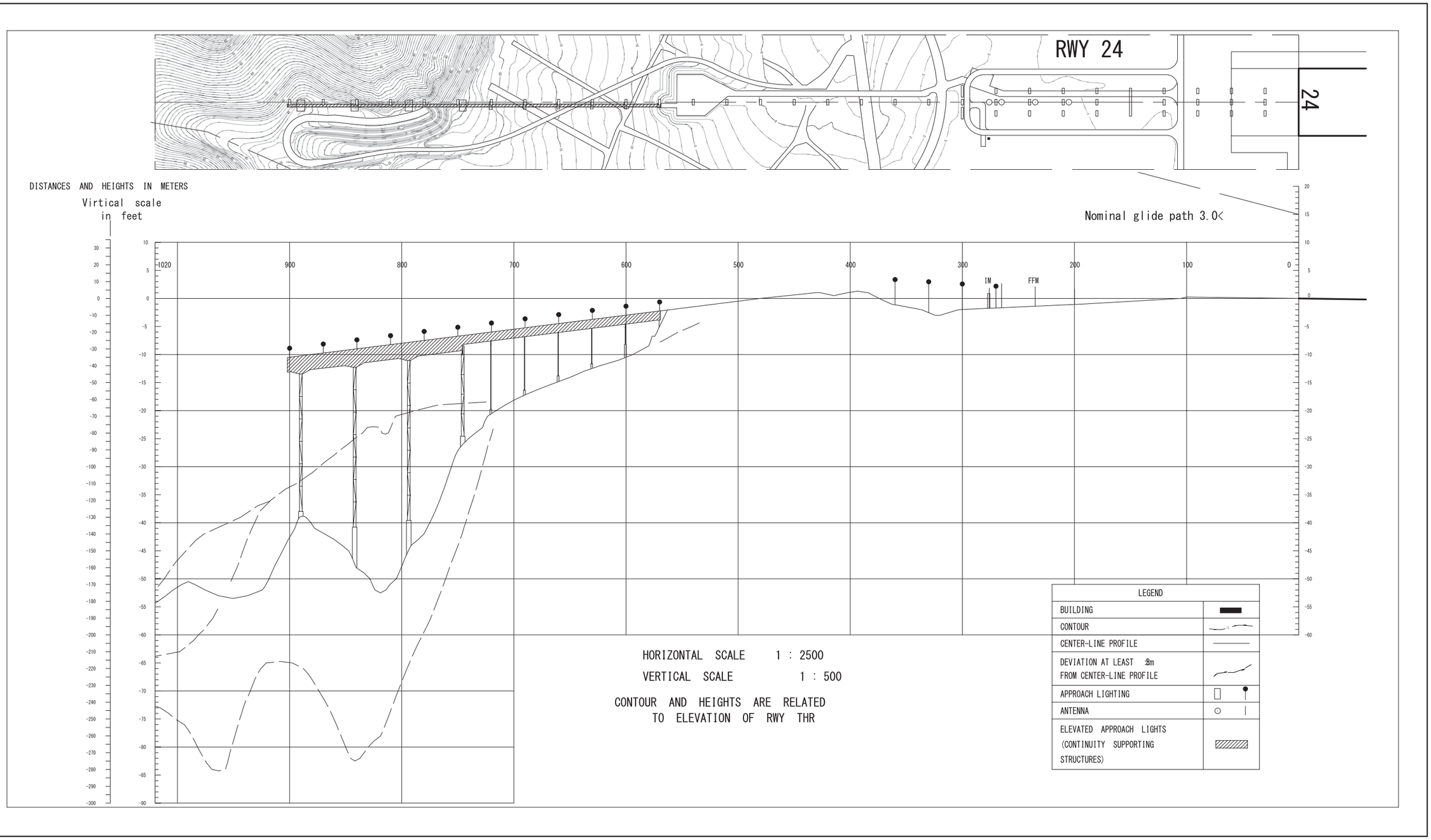
PRECISION APPROACH TERRAIN CHART



STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI SID and TRANSITION

IWAKI SEVEN DEPARTURE

RWY06 : Climb RWY HDG to 1100FT, turn left HDG 292˚ to intercept and proceed via MRE R331 to 12.0DME, turn left, via HWE R208 to GONOU.
Cross MRE R331/8.0DME 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 R239 to GONOU.
Cross GONOU at or above 9000FT.

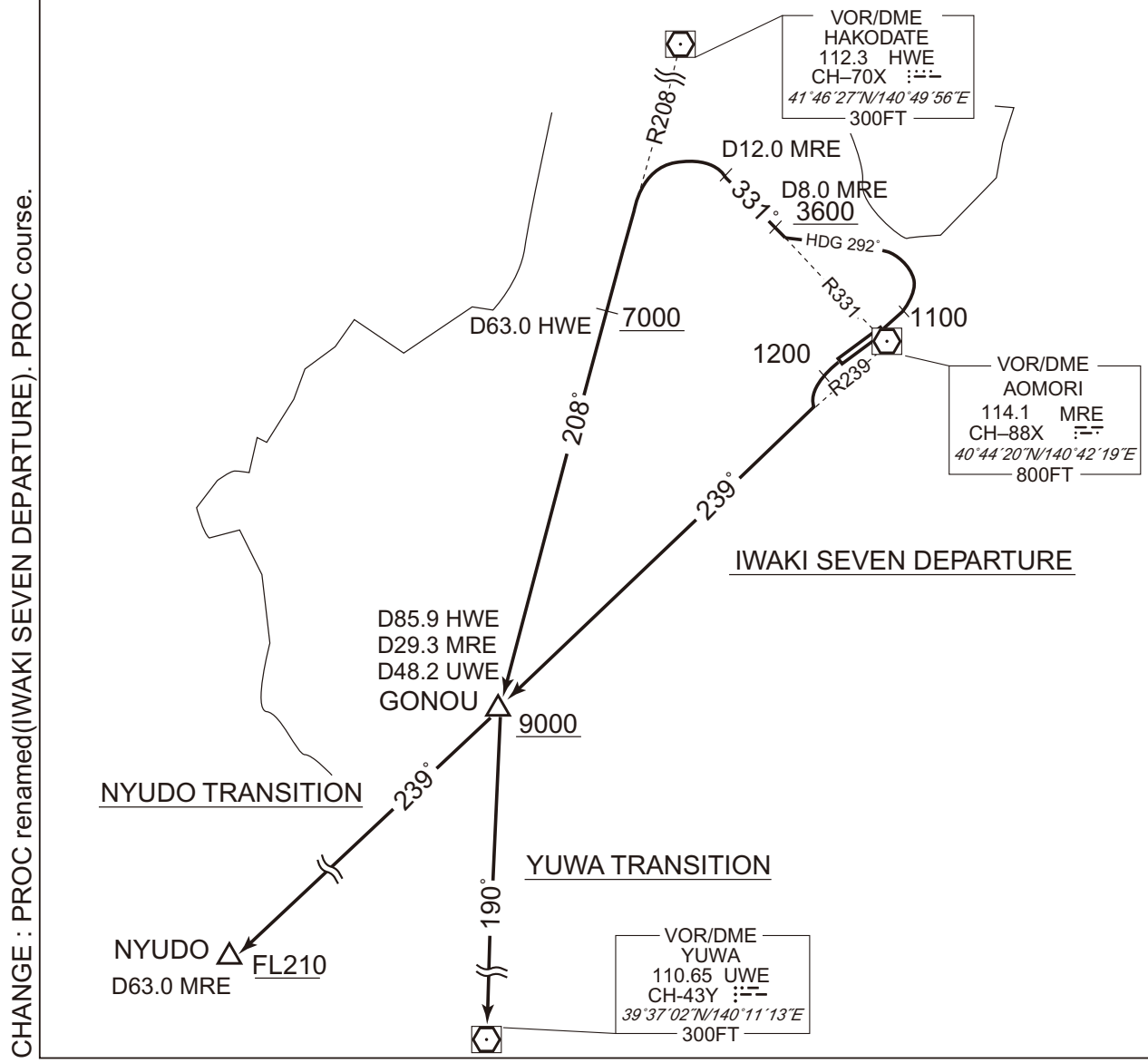
Note RWY24 : No turn before DER.
5.0% climb gradient required up to 1200FT.
OBST ALT 782FT located at 0.8NM 223˚ FM end of RWY24.

YUWA TRANSITION

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

NYUDO TRANSITION

From over GONOU, via MRE R239 to NYUDO.
Cross NYUDO at or above FL210.



CHANGE : PROC renamed(IWAKI SEVEN DEPARTURE). PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI SID

CHANGE : PROC renamed. PROC course.

AOMORI REVERSAL THREE DEPARTURE

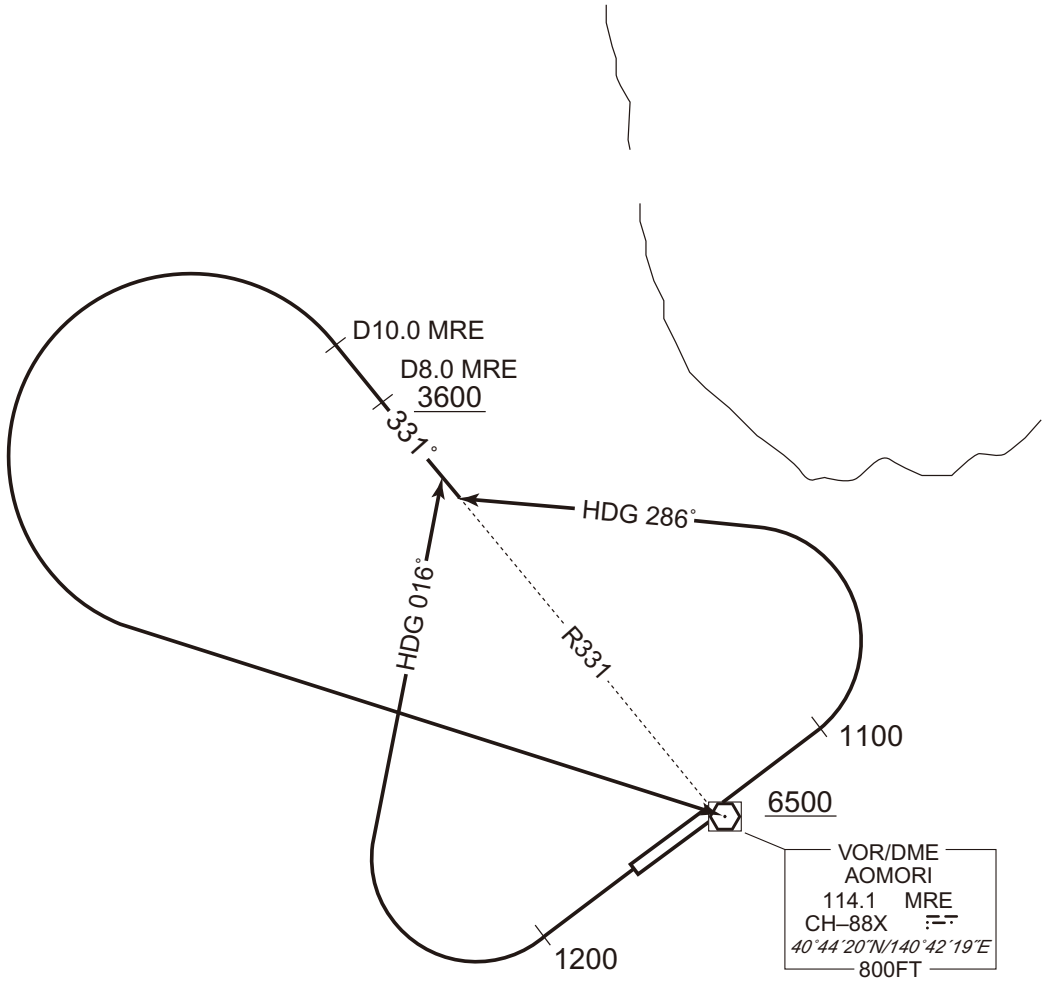
RWY06 : Climb RWY HDG to 1100FT, turn left HDG 286˚...

RWY24 : Climb RWY HDG to 1200FT, turn right HDG 016˚...

...to intercept and proceed via MRE R331 to 10.0DME, turn left, direct to MRE VOR/DME.

Cross MRE R331/8.0DME 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.

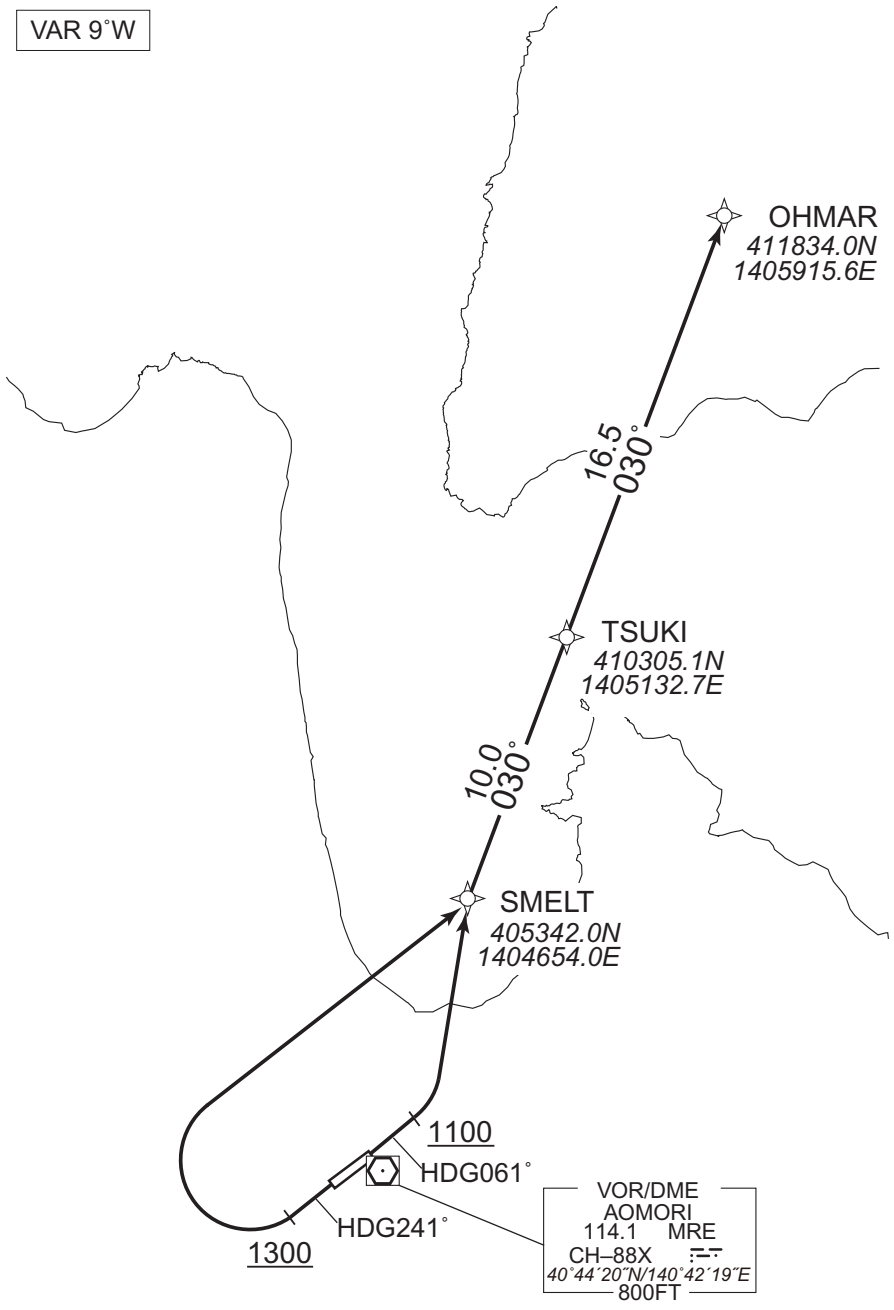


STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI — RNAV SID

OHMAR TWO DEPARTURE	RNP1

Note GNSS required.



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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

RWY24 : Climb on HDG241˚ at or above 1300FT, turn right direct to SMELT, to TSUKI, 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 TWO 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)	-9.3	-	-	+1100	-	-	RNP1
002	DF	SMELT	-	-	-9.3	-	L	-	-	-	RNP1
003	TF	TSUKI	-	030 (020.5)	-9.3	10.0	-	-	-	-	RNP1
004	TF	OHMAR	-	030 (020.5)	-9.3	16.5	-	-	-	-	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)	-9.3	-	-	+1300	-	-	RNP1
002	DF	SMELT	-	-	-9.3	-	R	-	-	-	RNP1
003	TF	TSUKI	-	030 (020.5)	-9.3	10.0	-	-	-	-	RNP1
004	TF	OHMAR	-	030 (020.5)	-9.3	16.5	-	-	-	-	RNP1

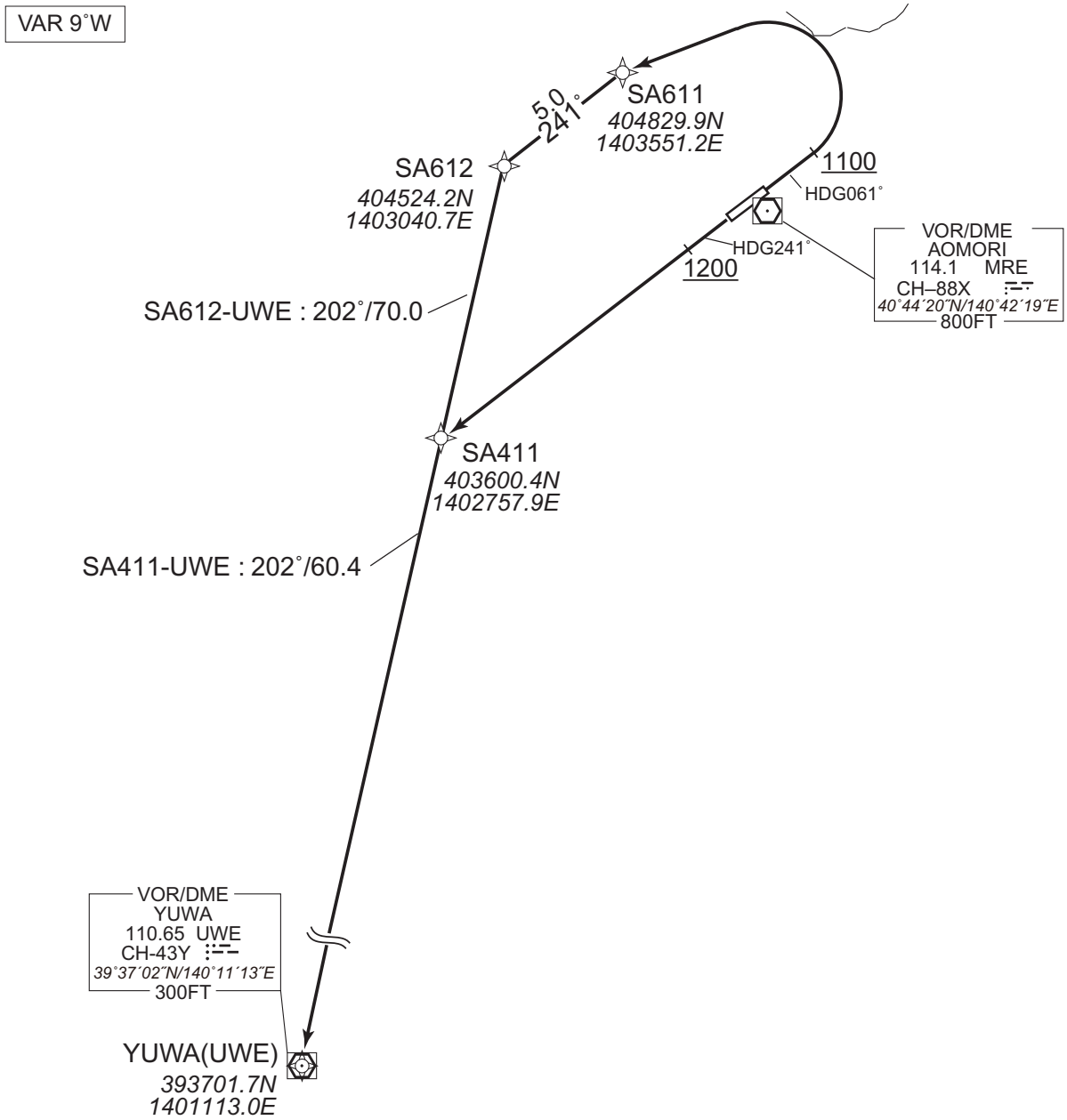
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI — RNAV SID

SHIRAKAMI TWO DEPARTURE	RNP1

Note GNSS required.



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.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

RJSA / AOMORI RNAV SID

SHIRAKAMI TWO 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)	-9.3	-	-	+1100	-	-	RNP1
002	DF	SA611	-	-	-9.3	-	L	-	-	-	RNP1
003	TF	SA612	-	241 (231.7)	-9.3	5.0	-	-	-	-	RNP1
004	TF	UWE	-	202 (192.4)	-9.3	70.0	-	-	-	-	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)	-9.3	-	-	+1200	-	-	RNP1
002	DF	SA411	-	-	-9.3	-	-	-	-	-	RNP1
003	TF	UWE	-	202 (192.3)	-9.3	60.4	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJSA / AOMORI STAR

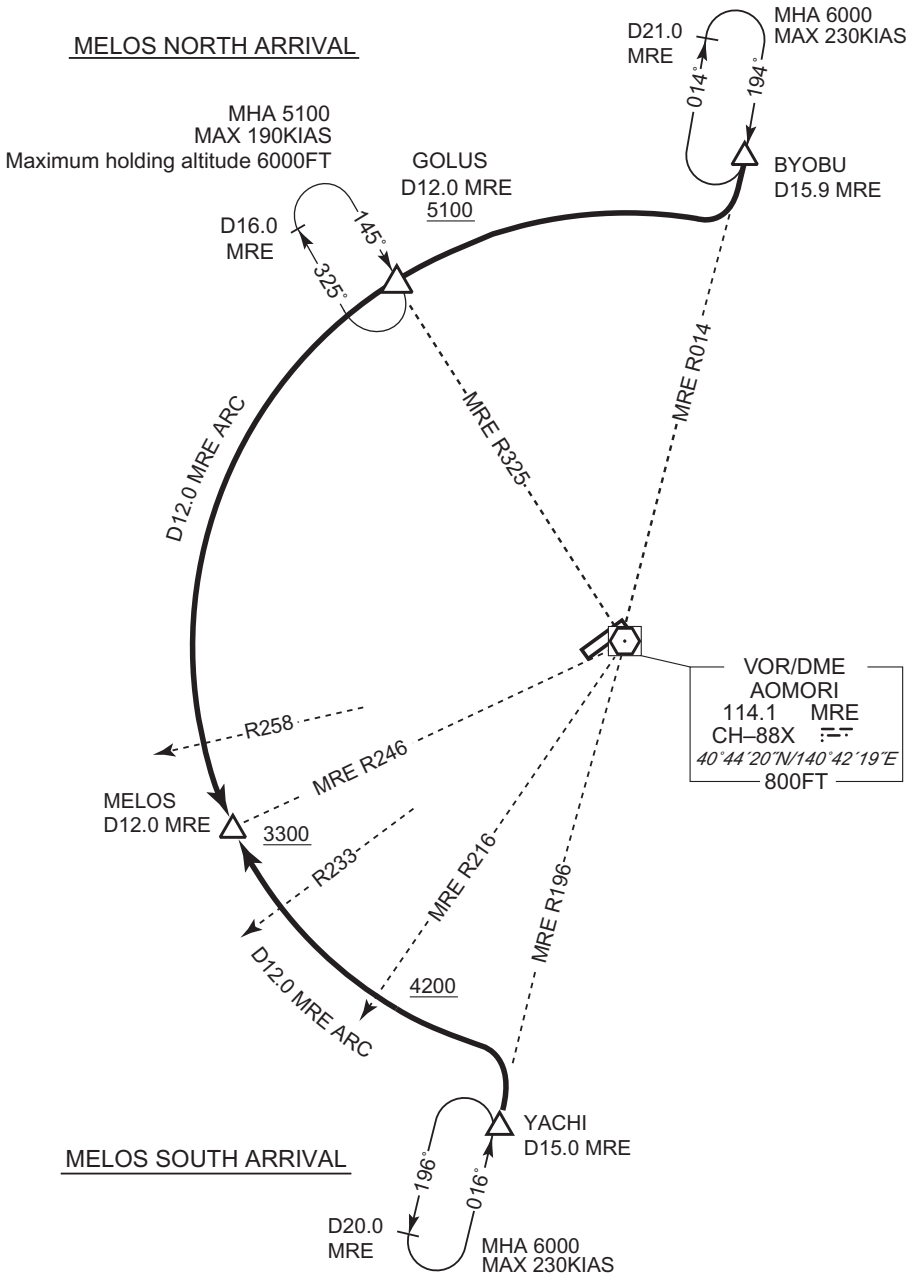
CHANGE : PROC course(MELOS NORTH ARRIVAL). GOLUS established.

MELOS NORTH ARRIVAL

From over BYOBU, proceed via MRE 12.0DME counterclockwise ARC to MELOS via GOLUS.
Cross GOLUS at or above 5100FT, 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.



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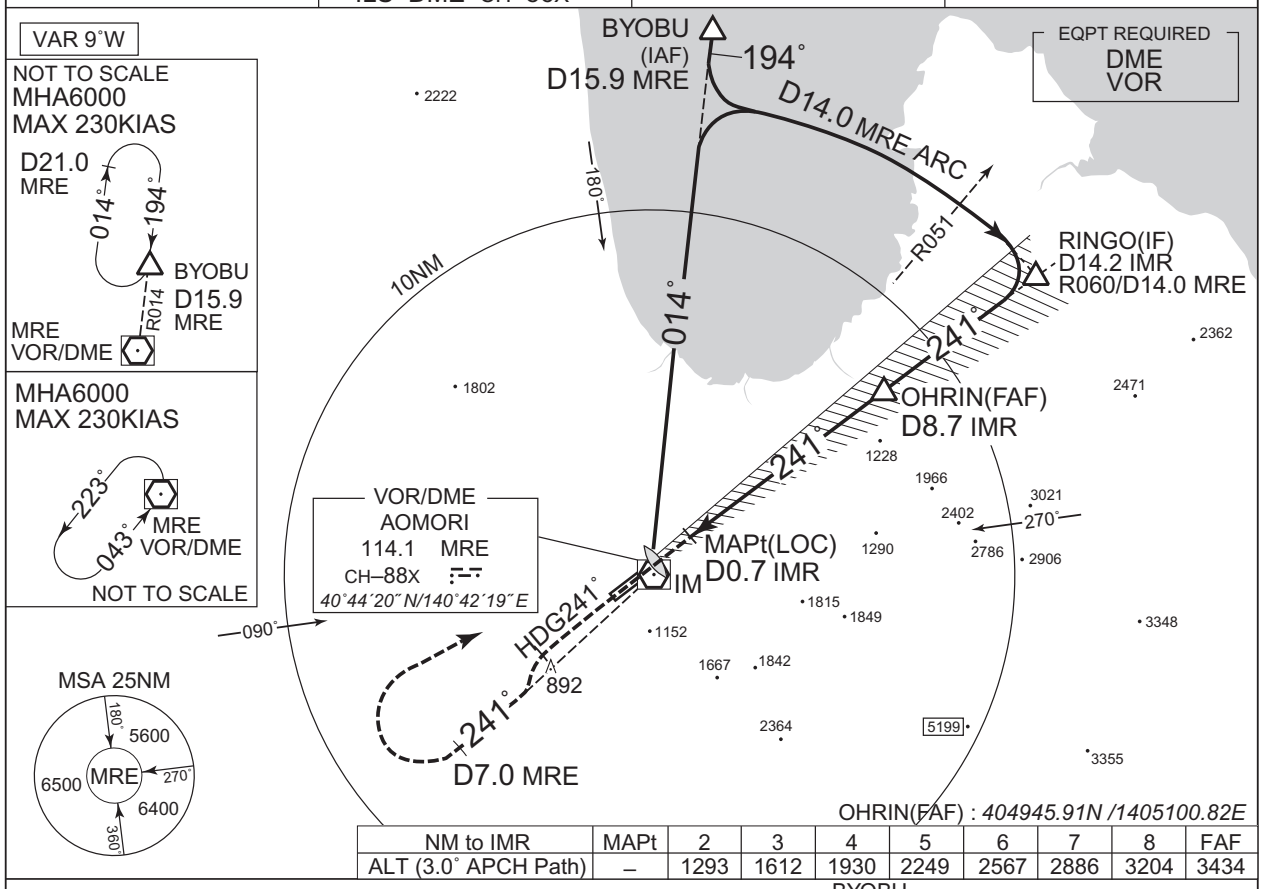
INSTRUMENT APPROACH CHART

RJSA / AOMORI — ILS Z or LOC Z RWY24 (CAT Ⅱ & Ⅲ)

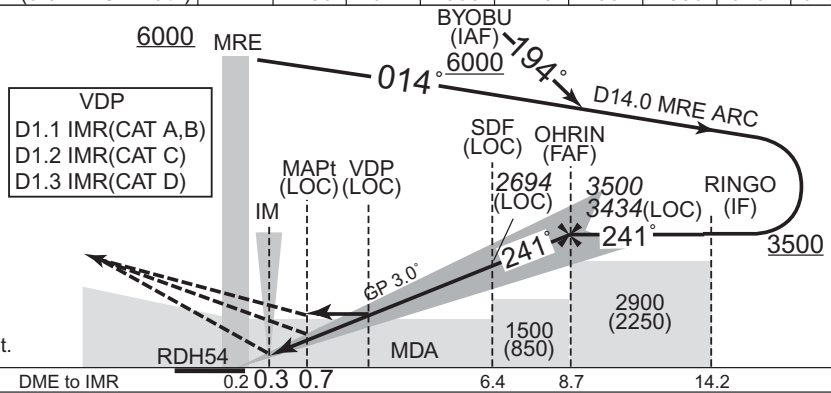
SHIRAKAMI APP	ILS-LOC	AOMORI TOWER	RADAR AVBL
119.25 - 315.3 - 120.65	111.9 IMR ILS–GP 331.1 ILS–DME CH–56X	118.3 – 126.2	



OHRIN(FAF) : *404945.91N /1405100.82E*

NM to IMR	MAPt	2	3	4	5	6	7	8	FAF
ALT (3.0˚ APCH Path)	–	1293	1612	1930	2249	2567	2886	3204	3434

MISSED APPROACH
Climb on HDG241˚ to 1200FT,
via MRE R241 to MRE 7.0DME,
turn right, direct to MRE
VOR/DME and hold at 6000FT.
Contact SHIRAKAMI APP.



Timing not authorized for defining the MAPt.

DME to IMR	0.2	0.3	0.7	6.4	8.7	14.2
NM to THR	0	0.1	0.5	6.2	8.5	14.0

Missed APCH climb gradient MNM 4.0%

MINIMA THR elev. 664 AD elev. 650

CAT	CAT Ⅲ	CAT Ⅱ		CAT Ⅰ		LOC		CIRCLING	
	RVR	DA(DH)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	100	764 (100)	92	300	864 (200)	550	990 (340)	900	1220 (570)	1600
B							1010 (360)	1000		
C							1030 (380)			2400
D							1050 (400)	1400		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

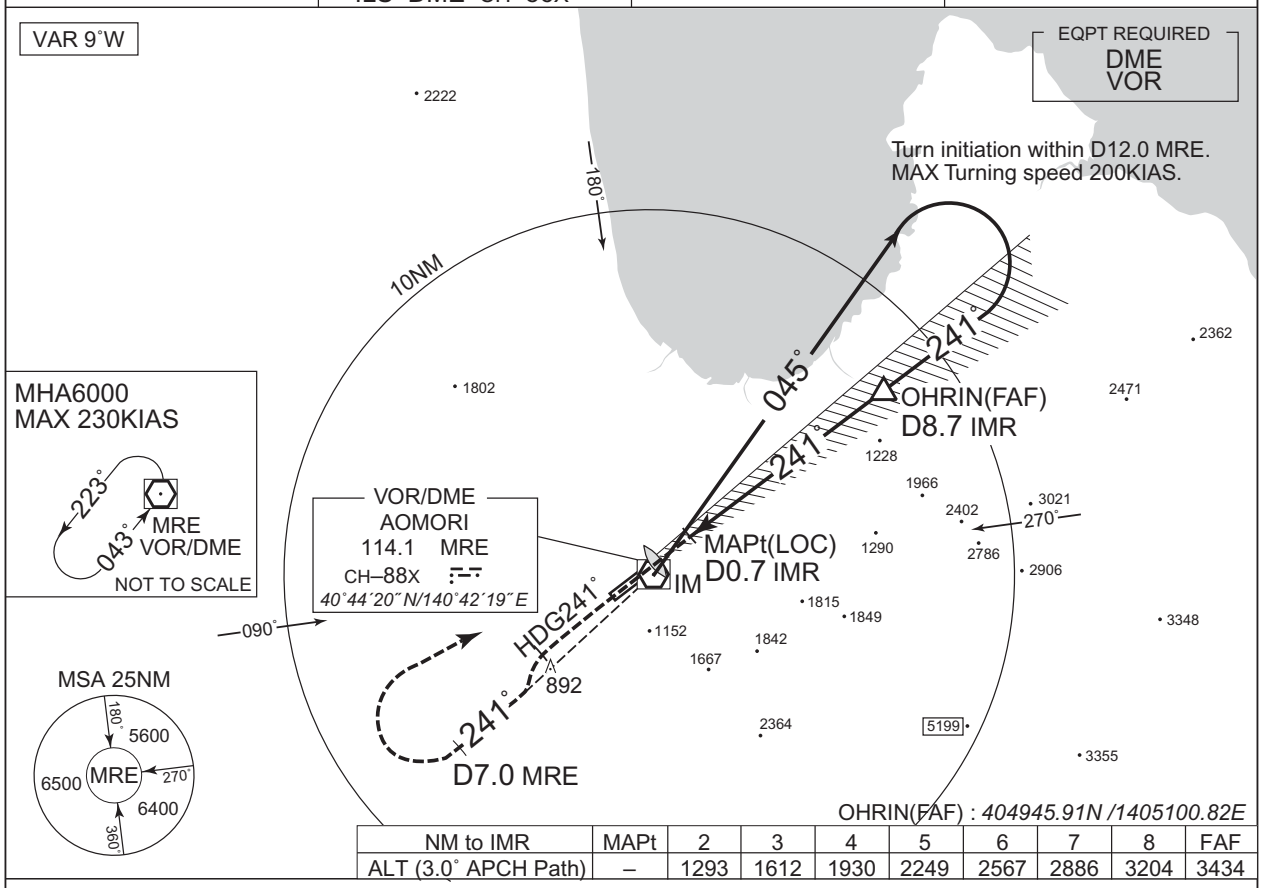
CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART

RJSA / AOMORI

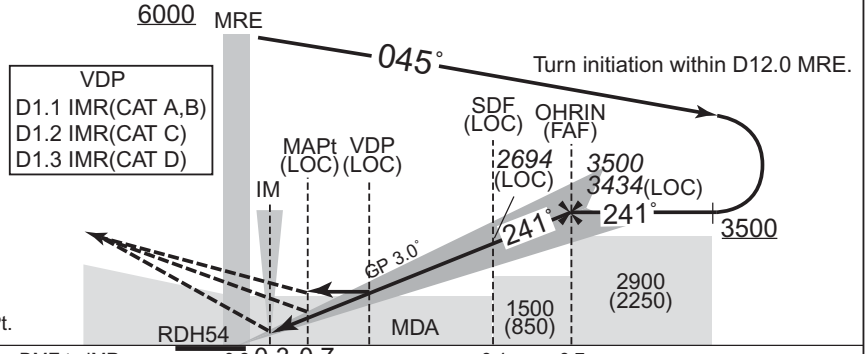
ILS Y or LOC Y RWY24 (CAT Ⅱ&Ⅲ)

SHIRAKAMI APP 119.25 - 315.3 - 120.65	ILS-LOC 111.9 IMR ILS–GP 331.1 ILS–DME CH–56X	AOMORI TOWER 118.3 – 126.2	RADAR AVBL



NM to IMR	MAPt	2	3	4	5	6	7	8	FAF
ALT (3.0˚ APCH Path)	–	1293	1612	1930	2249	2567	2886	3204	3434

MISSED APPROACH
Climb on HDG241˚ to 1200FT,
via MRE R241 to MRE 7.0DME,
turn right, direct to MRE
VOR/DME and hold at 6000FT.
Contact SHIRAKAMI APP.



Timing not authorized for defining the MAPt.

DME to IMR	0.2	0.3	0.7	6.4	8.7
NM to THR	0	0.1	0.5	6.2	8.5

Missed APCH climb gradient MNM 4.0%

MINIMA THR elev. 664 AD elev. 650

CAT	CAT Ⅲ	CAT Ⅱ			CAT Ⅰ		LOC		CIRCLING	
	RVR	DA(DH)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	100	764 (100)	92	300	864 (200)	550	990 (340)	900	1220 (570)	1600
B							1010 (360)	1000		
C							1030 (380)			2400
D							1050 (400)	1400		3200

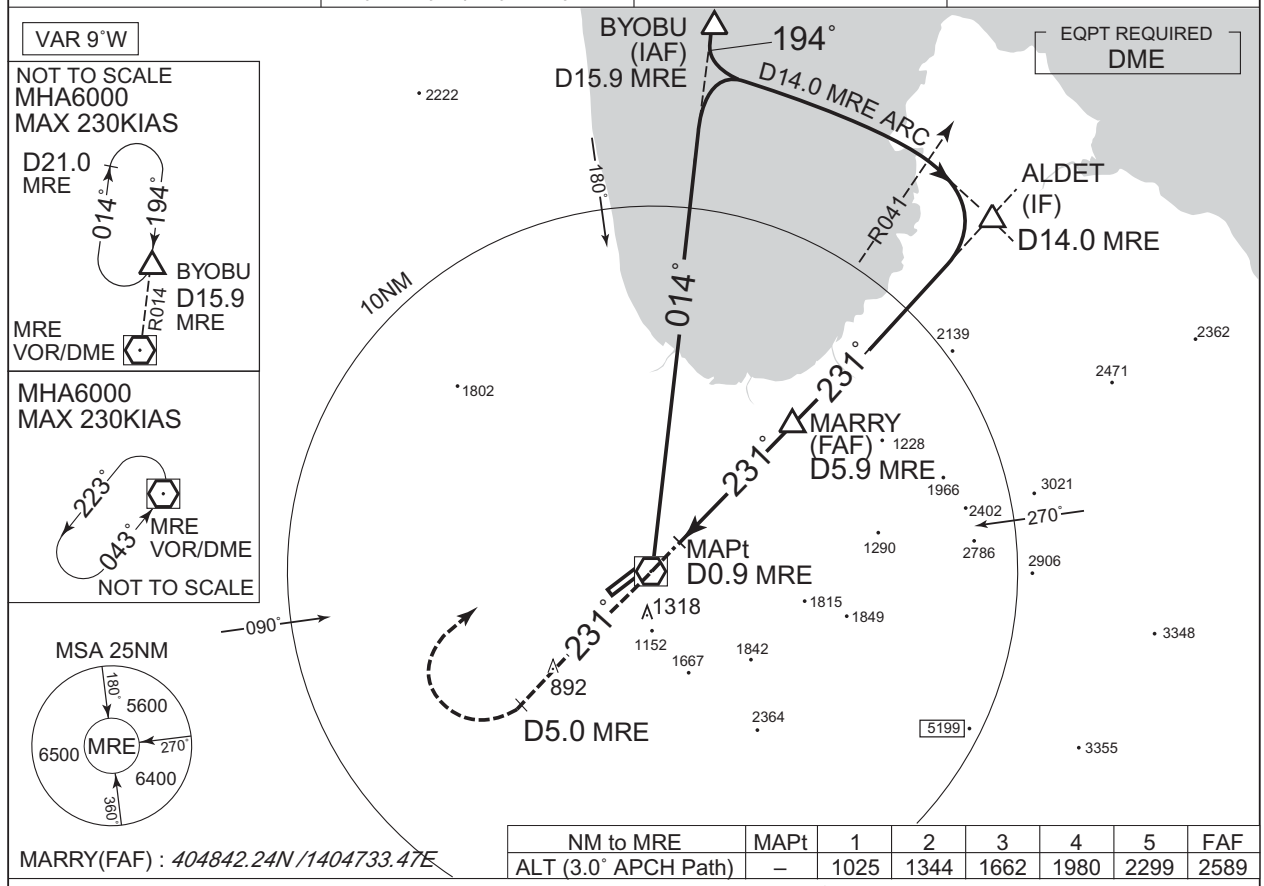
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

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

INSTRUMENT APPROACH CHART

RJSA / AOMORI — VOR RWY24

SHIRAKAMI APP	AOMORI VOR/DME	AOMORI TOWER	RADAR AVBL
119.25 - 315.3 - 120.65	114.1 MRE CH – 88X *40˚44´20˝N/140˚42´19˝E*	118.3 –126.2	

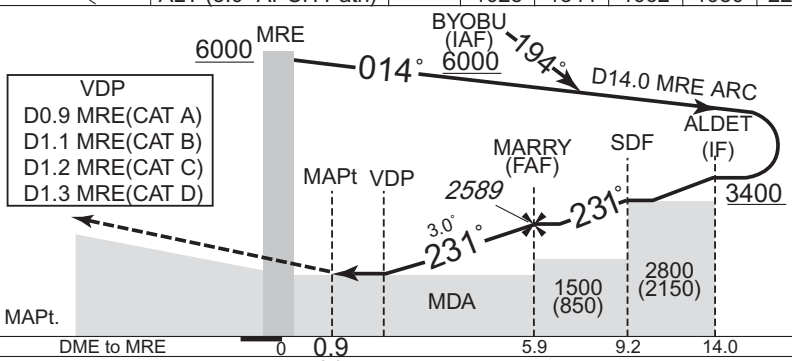


NM to MRE	MAPt	1	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	1025	1344	1662	1980	2299	2589

MISSED APPROACH

Climb to 6000FT via MRE
R231 to MRE 5.0DME, turn
right, direct to MRE
VOR/DME and hold.
Contact SHIRAKAMI APP.

VDP
D0.9 MRE(CAT A)
D1.1 MRE(CAT B)
D1.2 MRE(CAT C)
D1.3 MRE(CAT D)



Timing not authorized for defining the MAPt.

DME to MRE	0	0.9	5.9	9.2	14.0
NM to THR	0	0.9	5.9	9.2	14.0

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 664 AD elev. 650

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	990 (340)	900	1220 (570)	1600
B	1030 (380)	1000		
C	1070 (420)			2400
D	1110 (460)	1600		3200

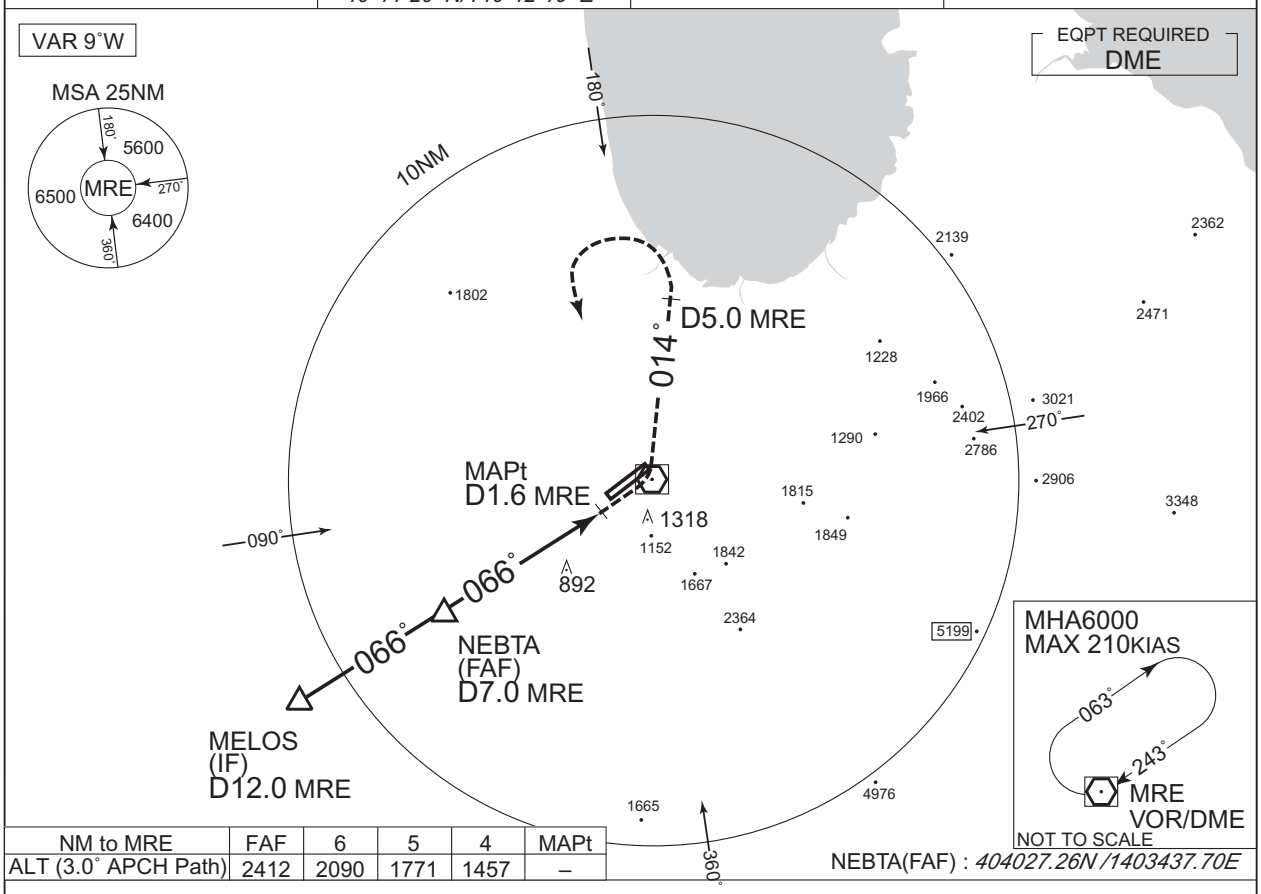
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

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

INSTRUMENT APPROACH CHART

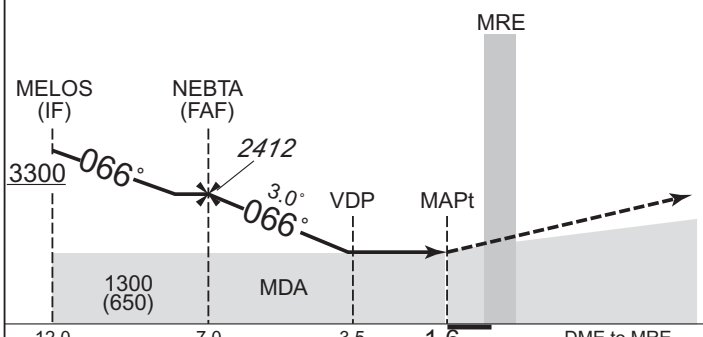
RJSA / AOMORI — VOR Z RWY06

SHIRAKAMI APP	AOMORI VOR/DME	AOMORI TOWER	RADAR AVBL
119.25 - 315.3 - 120.65	114.1 MRE CH – 88X *40˚44´20˝N/140˚42´19˝E*	118.3 – 126.2	



NM to MRE	FAF	6	5	4	MAPt
ALT (3.0˚ APCH Path)	2412	2090	1771	1457	–

NEBTA(FAF) : *404027.26N /1403437.70E*



12.0	7.0	3.5	1.6	DME to MRE
10.4	5.4	1.9	0	NM to THR

MISSED APPROACH
Turn left, climb to 6000FT via MRE
R014 to MRE 5.0DME, turn left,
direct to MRE VOR/DME and hold.
Contact SHIRAKAMI APP.

Timing not authorized for defining the MAPt.

MINIMA	THR elev. 647		AD elev. 650	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	1300 (650)	1500	1300 (650)	1600
B				
C		1800		2400
D		2000		3200

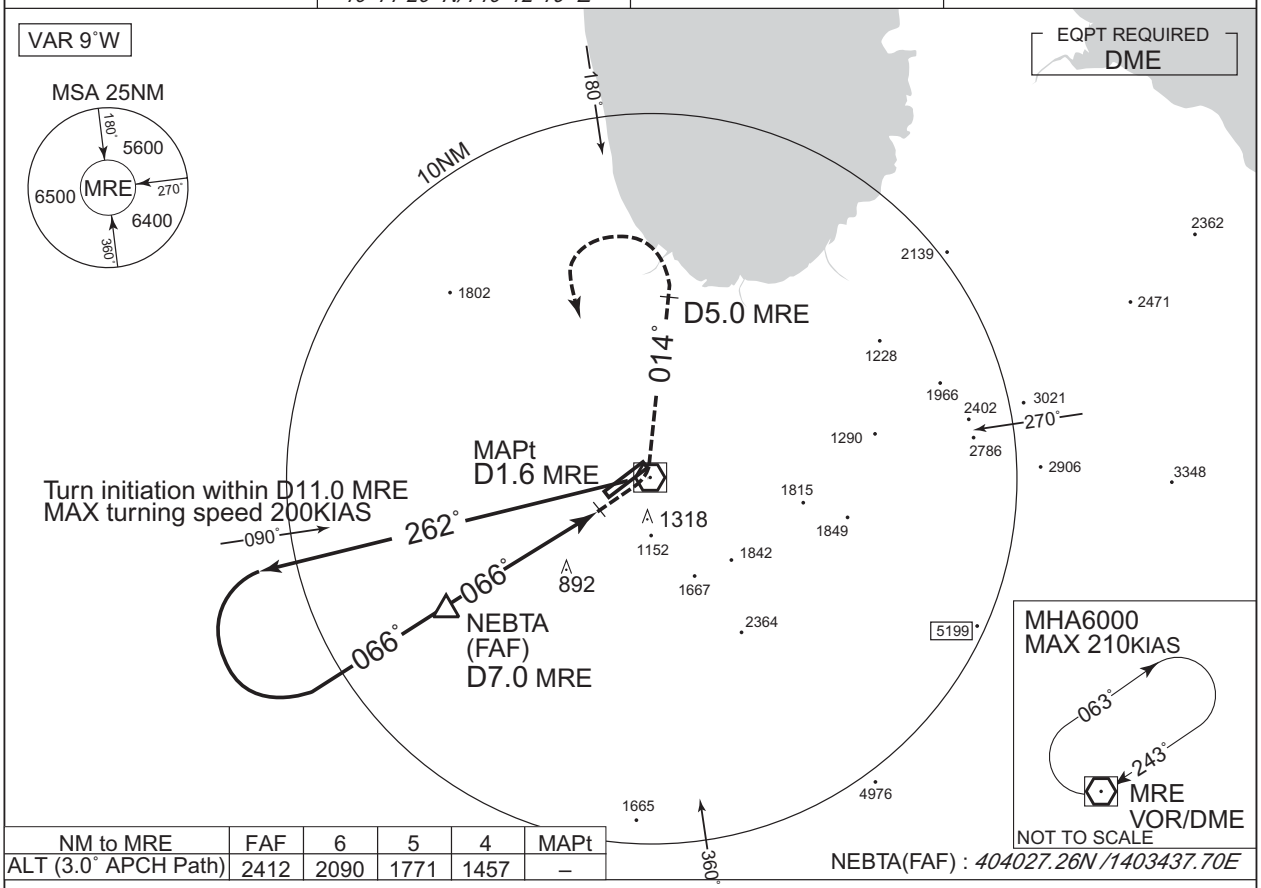
Circling to NORTH side of RWY only.

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

INSTRUMENT APPROACH CHART

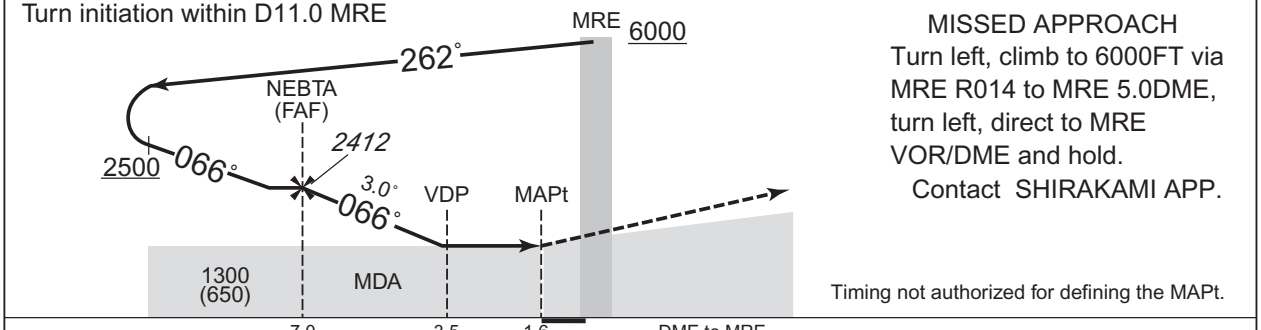
RJSA / AOMORI — VOR Y RWY06

SHIRAKAMI APP	AOMORI VOR/DME	AOMORI TOWER	RADAR AVBL
119.25 - 315.3 - 120.65	114.1 MRE CH – 88X *40˚44´20˝N/140˚42´19˝E*	118.3 – 126.2	



NM to MRE	FAF	6	5	4	MAPt
ALT (3.0˚ APCH Path)	2412	2090	1771	1457	–

NEBTA(FAF) : *404027.26N /1403437.70E*



MISSED APPROACH
Turn left, climb to 6000FT via MRE R014 to MRE 5.0DME, turn left, direct to MRE VOR/DME and hold.
Contact SHIRAKAMI APP.

Timing not authorized for defining the MAPt.

7.0	3.5	1.6	DME to MRE
5.4	1.9	0	NM to THR

MINIMA THR elev. 647 AD elev. 650

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	1300 (650)	1500	1300 (650)	1600
B				
C		1800		2400
D		2000		3200

Circling to NORTH side of RWY only.

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

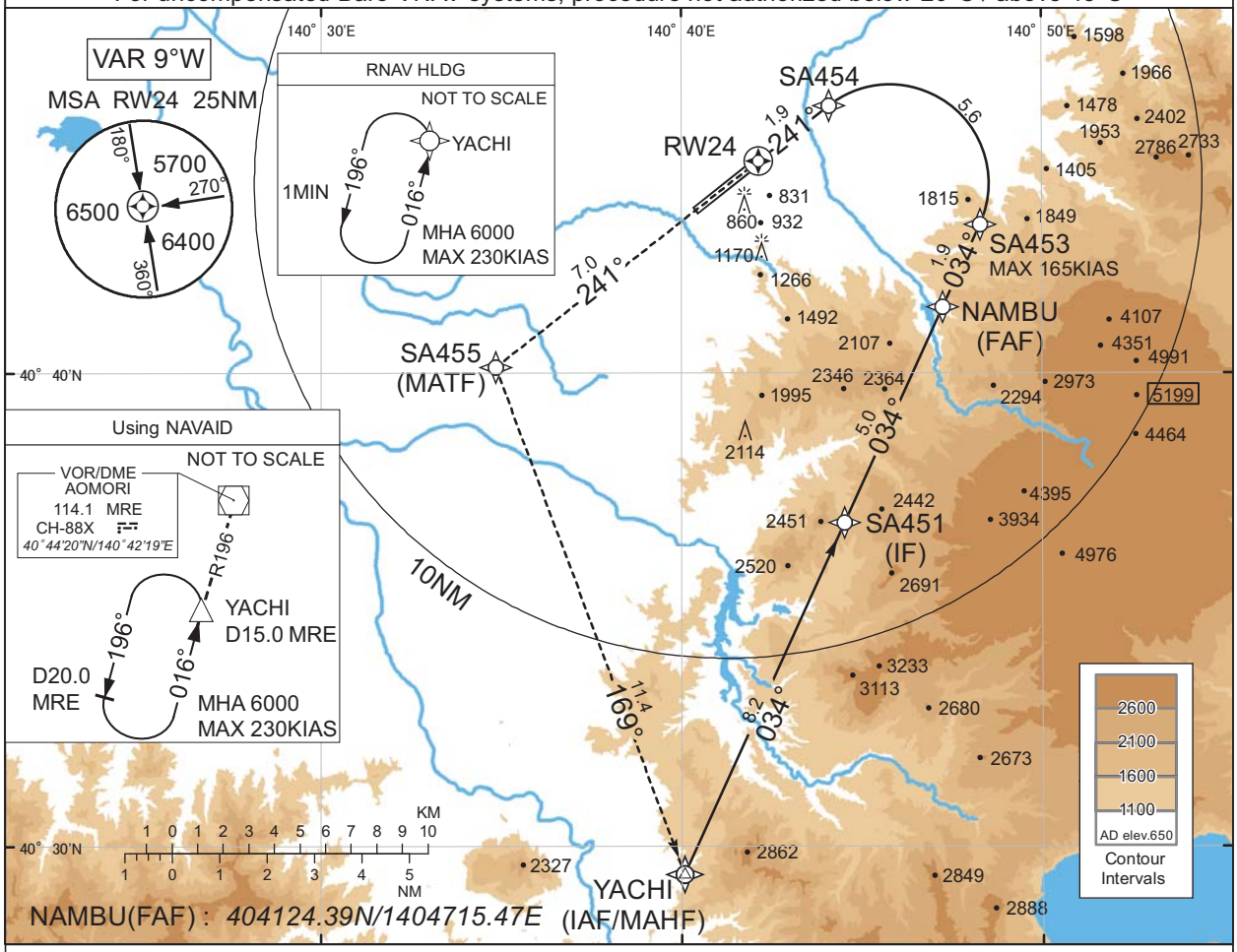
INSTRUMENT APPROACH CHART

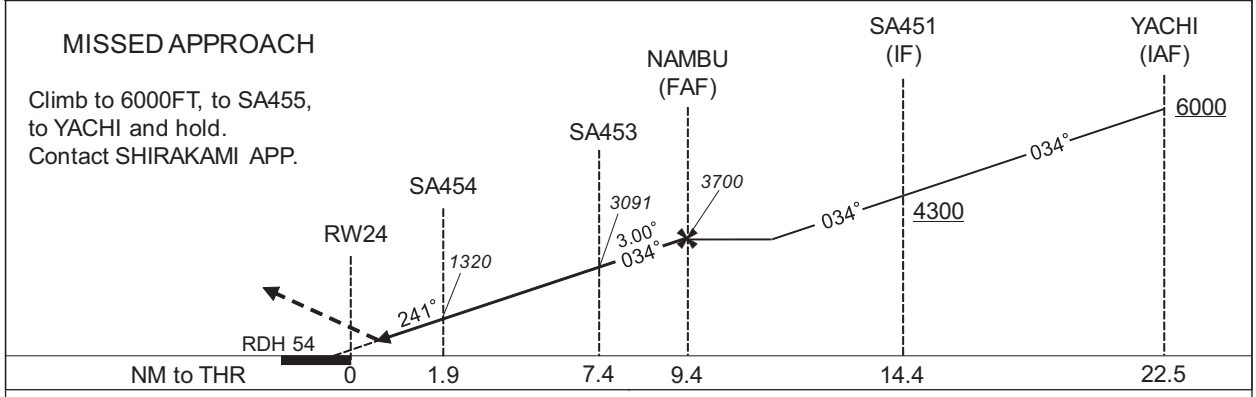
RJSA / AOMORI

RNP Z RWY24(AR)

SHIRAKAMI APP 119.25 - 315.3 - 120.65	RNP AR RF required.	AOMORI TOWER 118.3 - 126.2	RADAR AVBL

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





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.

Authorization Required

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

INSTRUMENT APPROACH CHART

RJSA / AOMORI RNP Z RWY24(AR)

CHANGE : PROC course. VAR. RNAV HLDG established(YACHI).

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	YACHI	-	-	-9.3	-	-	+6000	-	-	-
002	TF	SA451	-	034 (024.4)	-9.3	8.2	-	+4300	-	-	1.0
003	TF	NAMBU	-	034 (024.5)	-9.3	5.0	-	3700	-	-	1.0
004	TF	SA453	-	034 (024.5)	-9.3	1.9	-	3091	-165	-3.00	0.10 0.30
005	RF Center: SARF1 r=2.09NM	SA454	-	-	-9.3	5.6	L	1320	-	-3.00	0.10 0.30
006	TF	RW24	Y	241 (231.8)	-9.3	1.9	-	718	-	-3.00/54	0.10 0.30
007	TF	SA455	-	241 (231.8)	-9.3	7.0	-	-	-	-	1.0
008	TF	YACHI	-	169 (159.7)	-9.3	11.4	-	6000	-	-	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	YACHI	016 (006.5)	-9.3	1.0 (-14000)	L	6000	FL140	-230 (-14000)	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*		

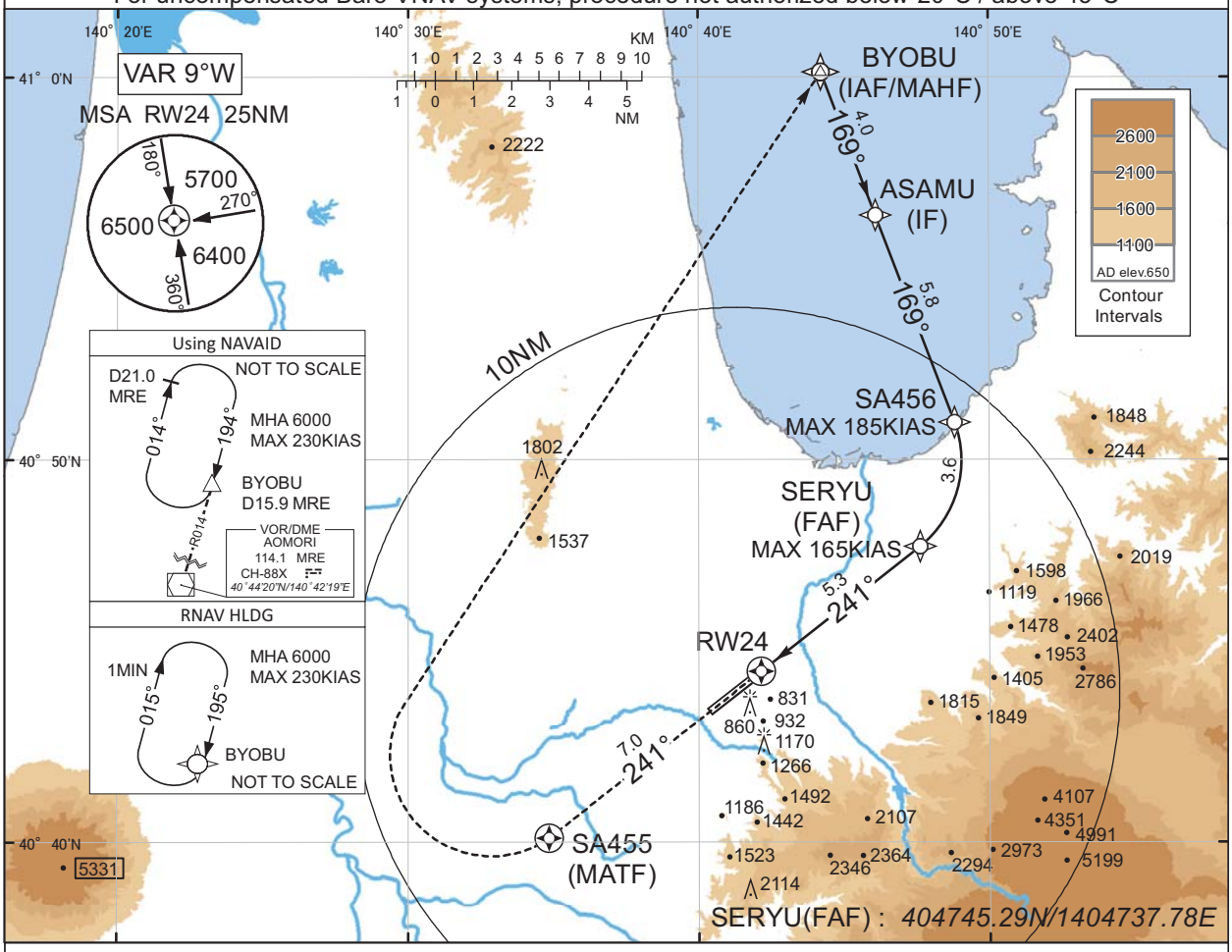
INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNP Y RWY24(AR)

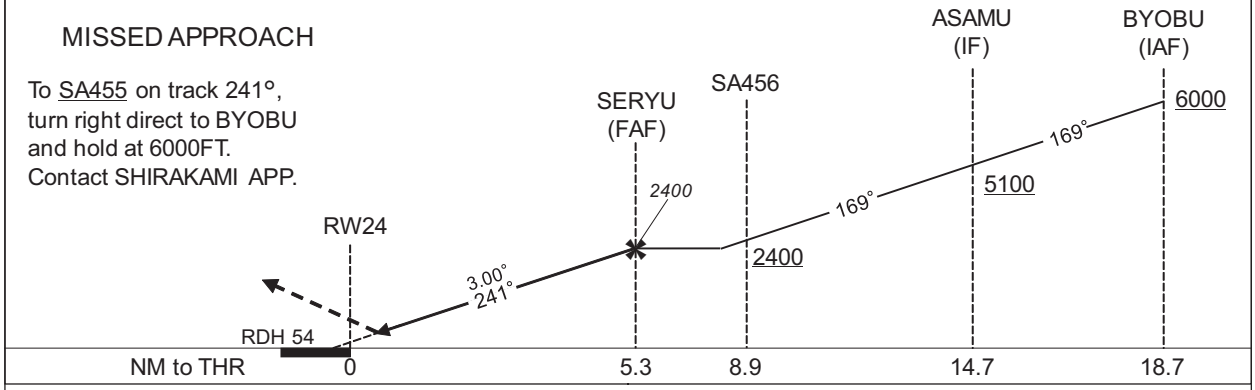
SHIRAKAMI APP 119.25 - 315.3 - 120.65	RNP AR RF required.	AOMORI TOWER 118.3 - 126.2	RADAR AVBL

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



MISSED APPROACH

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



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.

Authorization Required

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

INSTRUMENT APPROACH CHART

RJSA / AOMORI RNP Y RWY24(AR)

CHANGE : PROC course. VAR. RNAV HLDG established(BYOBU).

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	-	-	-9.3	-	-	+6000	-	-	-
002	TF	ASAMU	-	169 (159.3)	-9.3	4.0	-	+5100	-	-	1.0
003	TF	SA456	-	169 (159.3)	-9.3	5.8	-	+2400	-185	-	0.3
004	RF Center: SARF3 r=2.83NM	SERYU	-	-	-9.3	3.6	R	2400	-165	-	0.3
005	TF	RW24	Y	241 (231.9)	-9.3	5.3	-	718	-	-3.00/54	0.10 0.30
006	CF	SA455	Y	241 (231.8)	-9.3	7.0	-	-	-	-	1.0
007	DF	BYOBU	-	-	-9.3	-	R	6000	-	-	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	BYOBU	195 (185.2)	-9.3	1.0 (-14000)	R	6000	FL140	-230 (-14000)	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*		

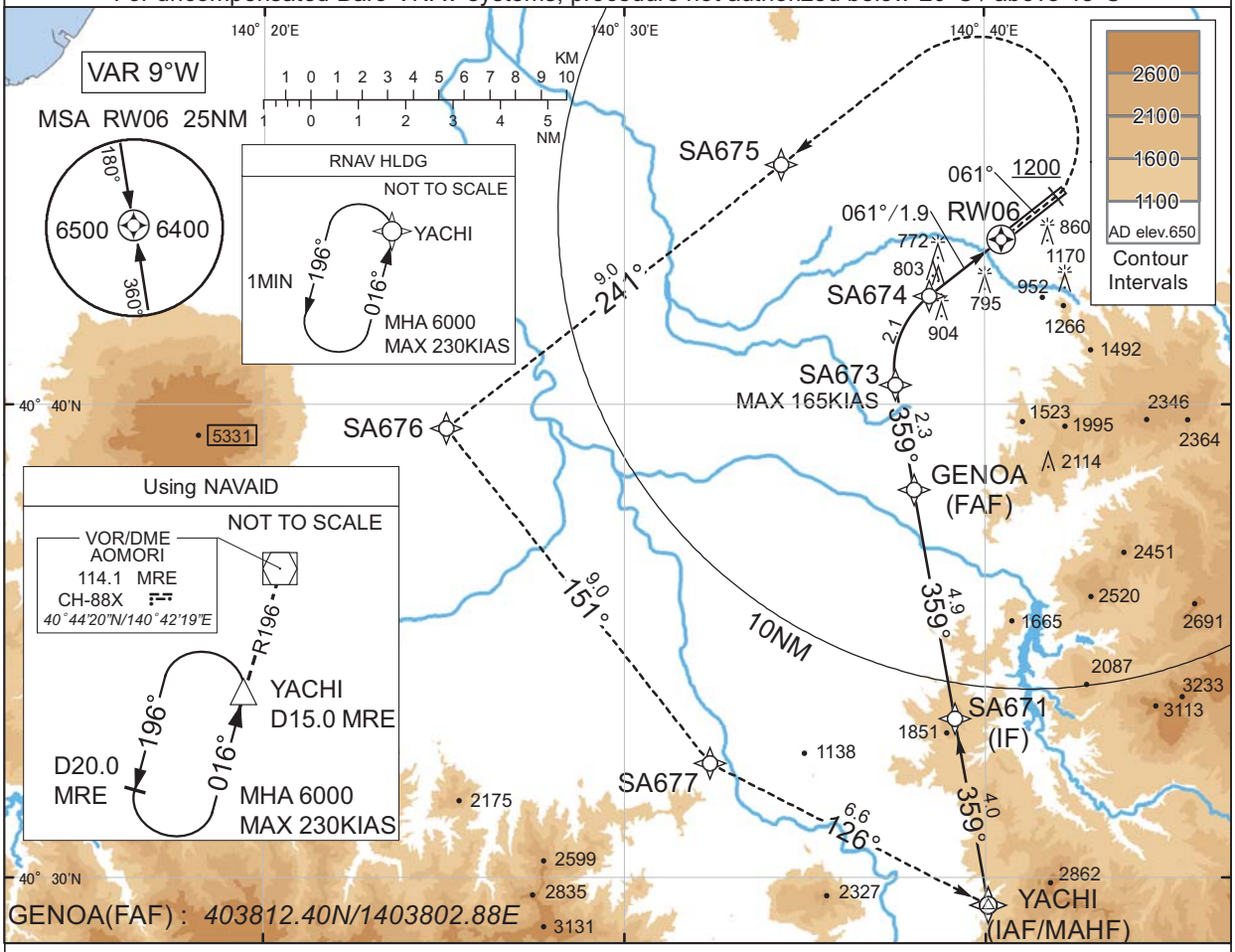
INSTRUMENT APPROACH CHART

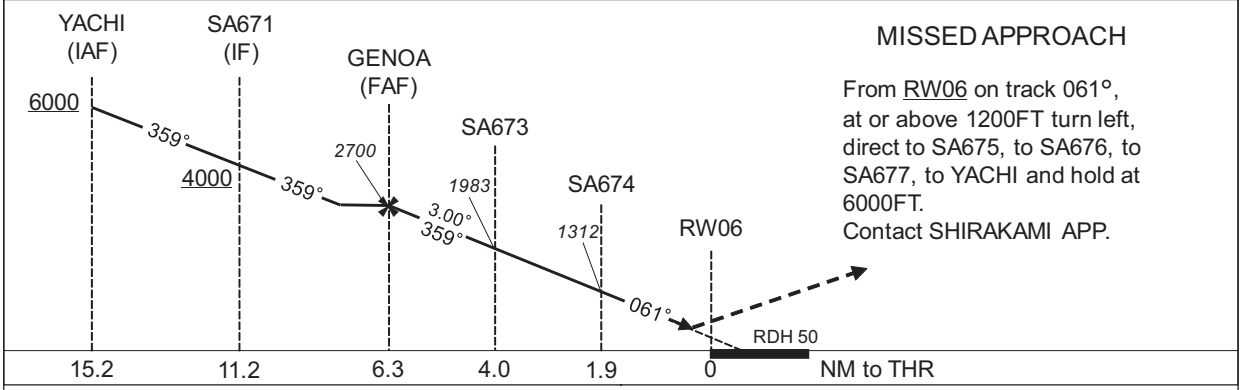
RJSA / AOMORI

RNP Z RWY06(AR)

SHIRAKAMI APP 119.25 - 315.3 - 120.65	RNP AR RF required.	AOMORI TOWER 118.3 - 126.2	RADAR AVBL

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 SHIRAKAMI APP.

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.

Authorization Required

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

INSTRUMENT APPROACH CHART

RJSA / AOMORI RNP Z RWY06(AR)

CHANGE : VAR. RNAV HLDG established(YACHI).

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	YACHI	-	-	-9.3	-	-	+6000	-	-	-
002	TF	SA671	-	359 (350.0)	-9.3	4.0	-	+4000	-	-	1.0
003	TF	GENOA	-	359 (350.0)	-9.3	4.9	-	2700	-	-	1.0
004	TF	SA673	-	359 (350.0)	-9.3	2.3	-	1983	-165	-3.00	0.10 0.30
005	RF Center: SARF2 r=1.95NM	SA674	-	-	-9.3	2.1	R	1312	-	-3.00	0.10 0.30
006	TF	RW06	Y	061 (051.8)	-9.3	1.9	-	697	-	-3.00/50	0.10 0.30
007	FA	-	-	061 (051.8)	-9.3	-	-	+1200	-	-	1.0
008	DF	SA675	-	-	-9.3	-	L	-	-	-	1.0
009	TF	SA676	-	241 (231.7)	-9.3	9.0	-	-	-	-	1.0
010	TF	SA677	-	151 (141.8)	-9.3	9.0	-	-	-	-	1.0
011	TF	YACHI	-	126 (117.1)	-9.3	6.6	-	6000	-	-	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	YACHI	016 (006.5)	-9.3	1.0 (-14000)	L	6000	FL140	-230 (-14000)	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*		

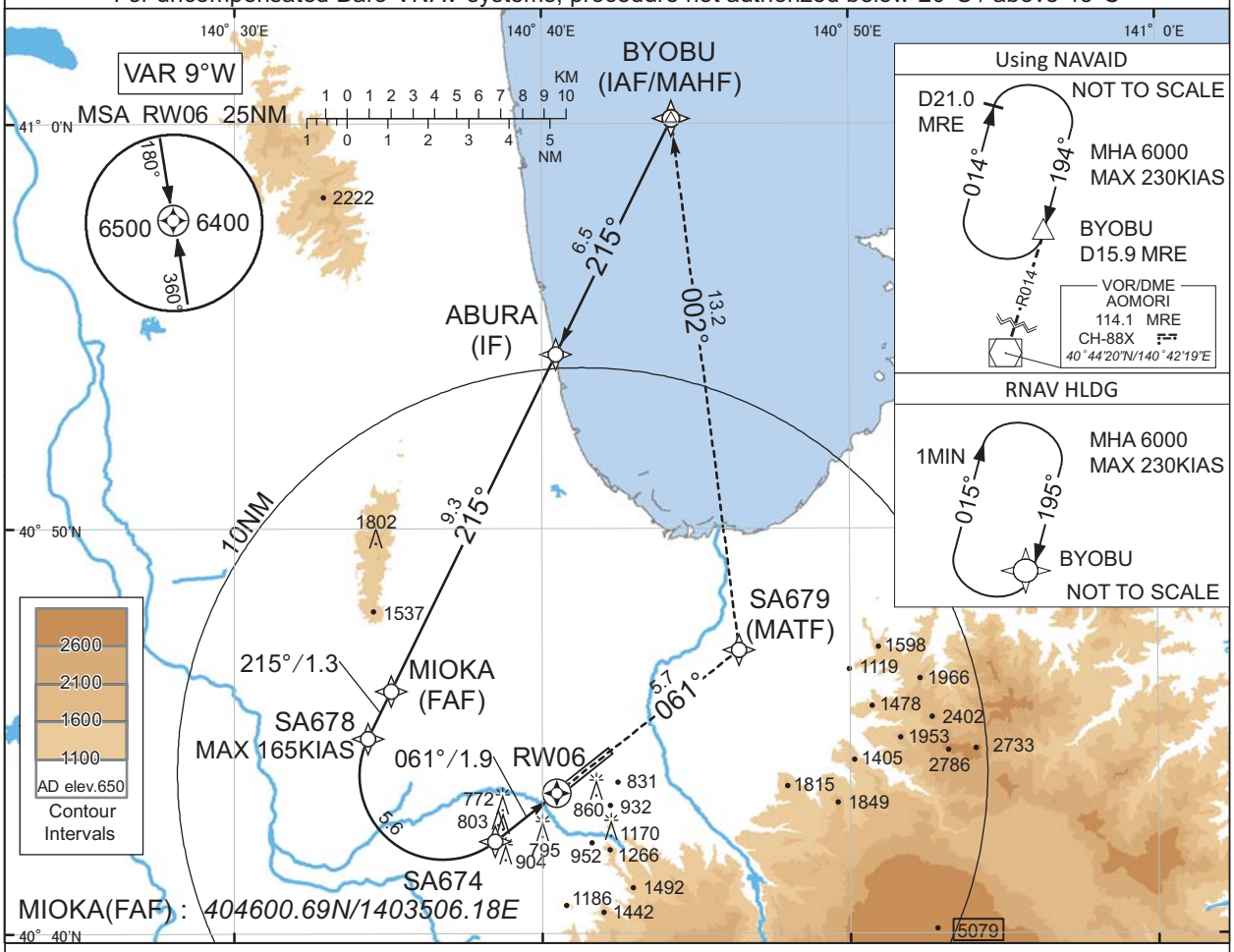
INSTRUMENT APPROACH CHART

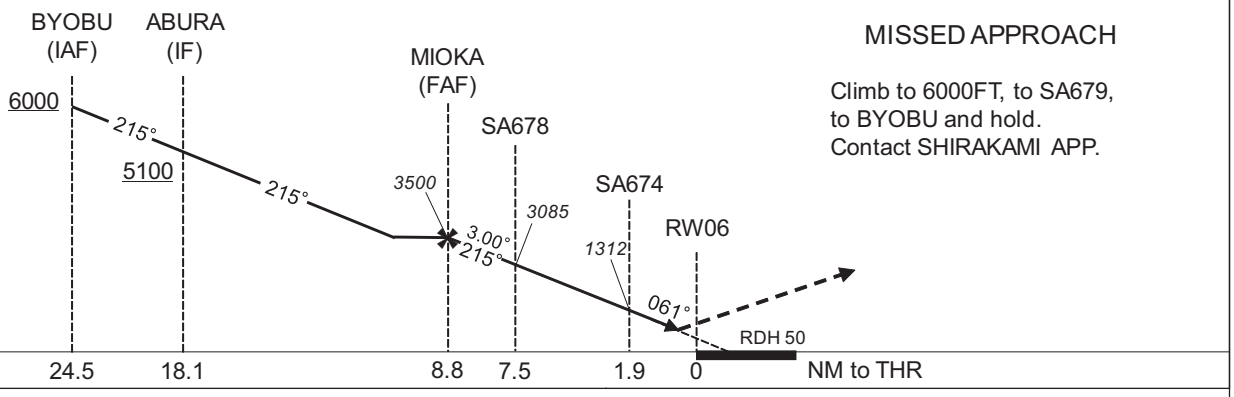
RJSA / AOMORI

RNP Y RWY06(AR)

SHIRAKAMI APP 119.25 - 315.3 - 120.65	RNP AR RF required.	AOMORI TOWER 118.3 - 126.2	RADAR AVBL

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





MISSED APPROACH

Climb to 6000FT, to SA679,
to BYOBU and hold.
Contact SHIRAKAMI APP.

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.

Authorization Required

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

INSTRUMENT APPROACH CHART

RJSA / AOMORI RNP Y RWY06(AR)

CHANGE : VAR. RNAV HLDG established(BYOBU).

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

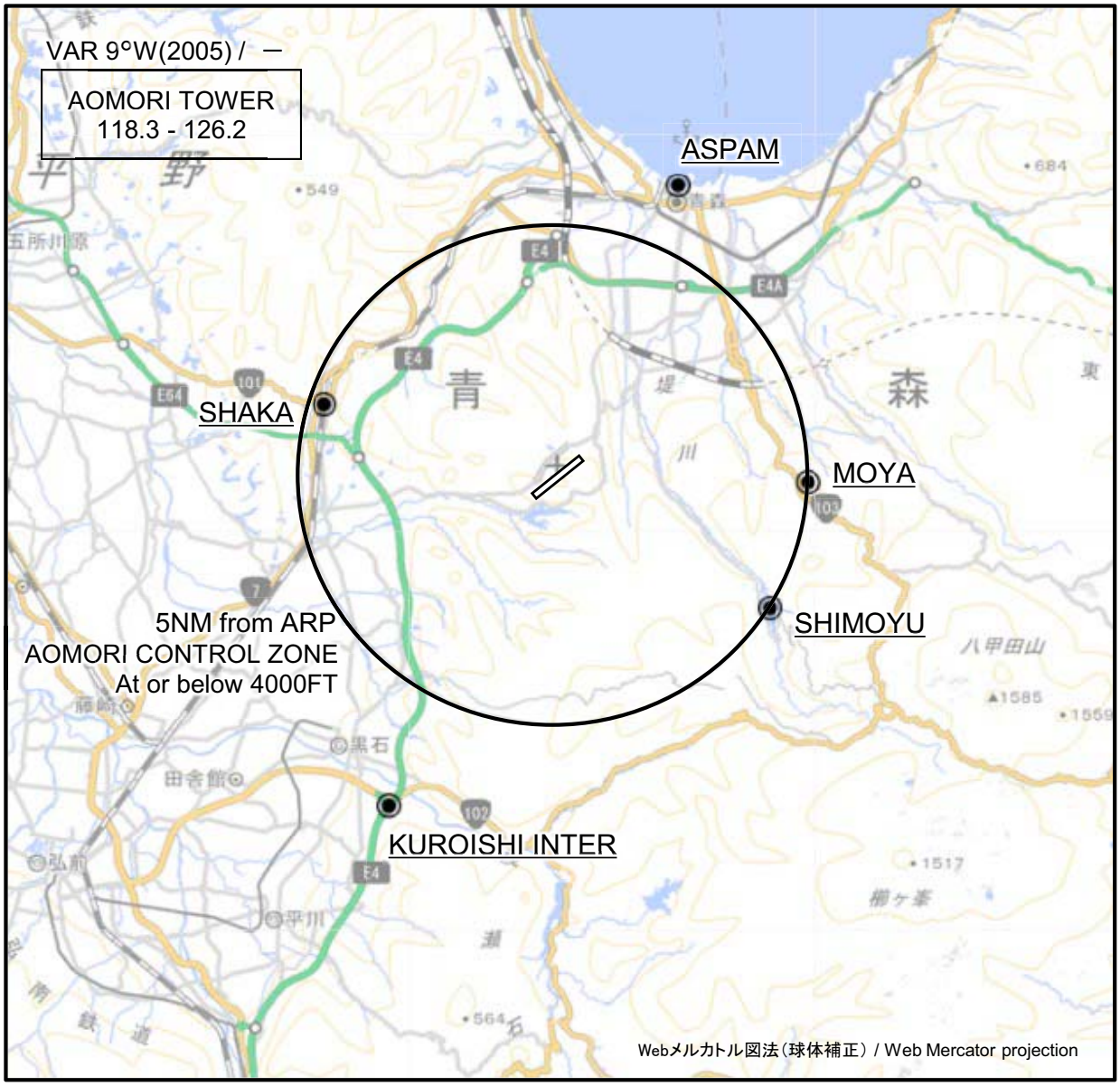
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	BYOBU	195 (185.2)	-9.3	1.0 (-14000)	R	6000	FL140	-230 (-14000)	1.0

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*		

RJSA / AOMORI

Visual REP

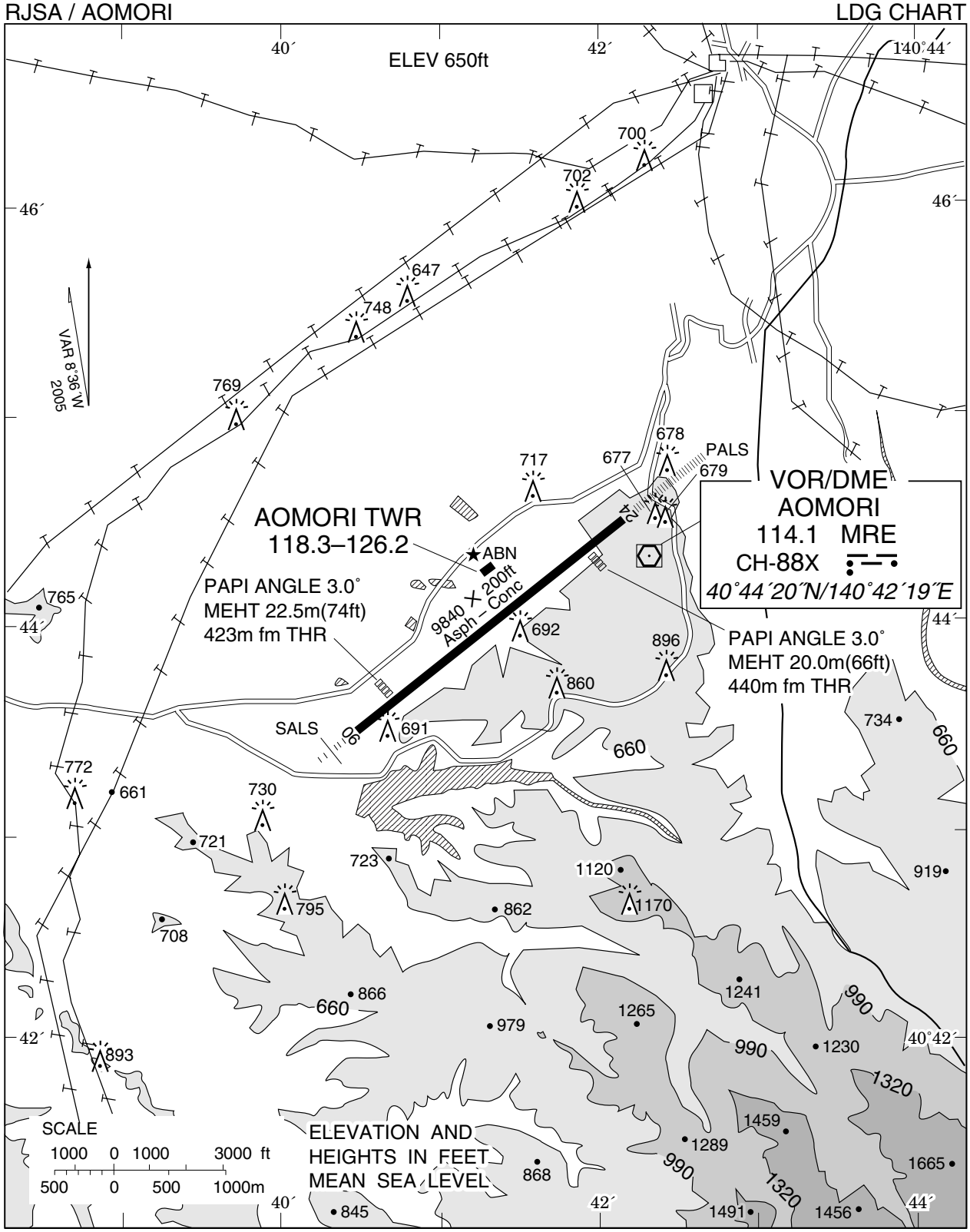


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

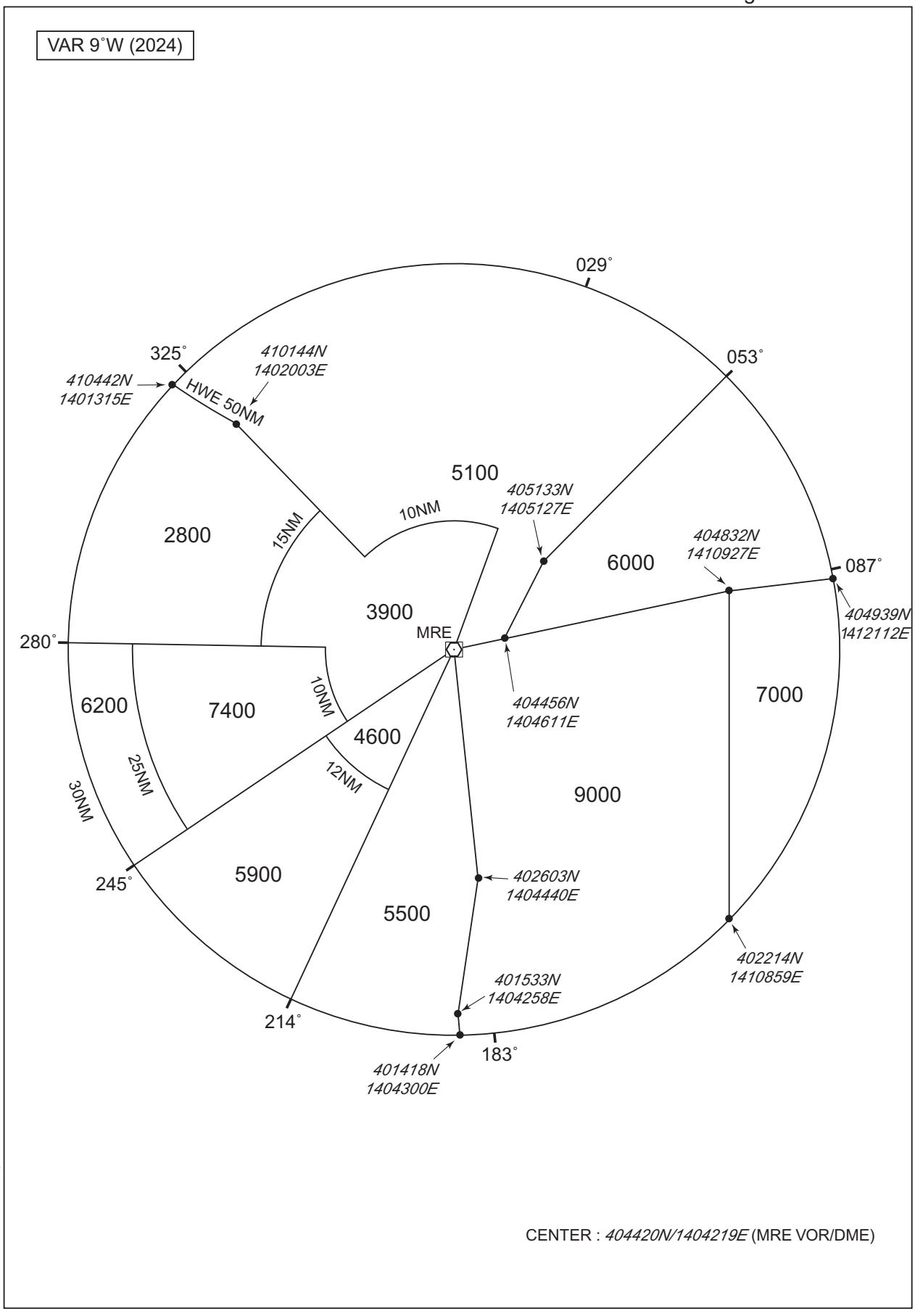
Call sign	BRG / DIST from ARP	Remarks
アスパム Aspam	022°T / 6.3NM	アスパム, 三角形のビル ASPAM, Triangular
釈迦 Shaka	287°T / 4.8NM	JR大釈迦駅 JR Station
雲谷 Moya	092°T / 5.0NM	雲谷スキー場 Moya Slope
下湯 Shimoyu	123°T / 5.0NM	下湯平成湖 Lake
黒石インター Kuroishi Inter	206°T / 7.4NM	東北自動車道黒石インター Intersection

RJSA / AOMORI LDG CHART



RJSA / AOMORI

Minimum Vectoring Altitude CHART



CENTER : *404420N/1404219E* (MRE VOR/DME)

CHANGE : Update.