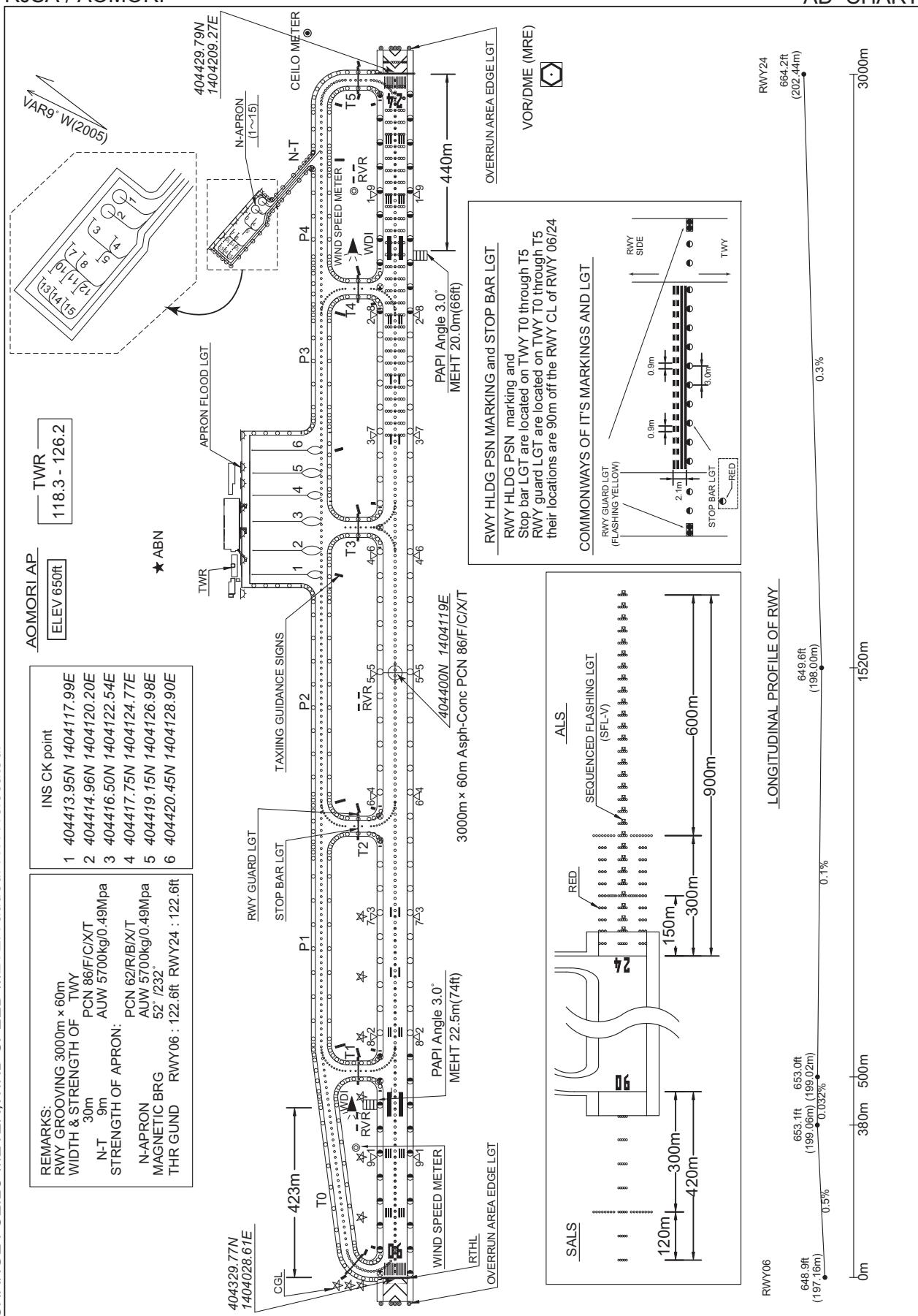


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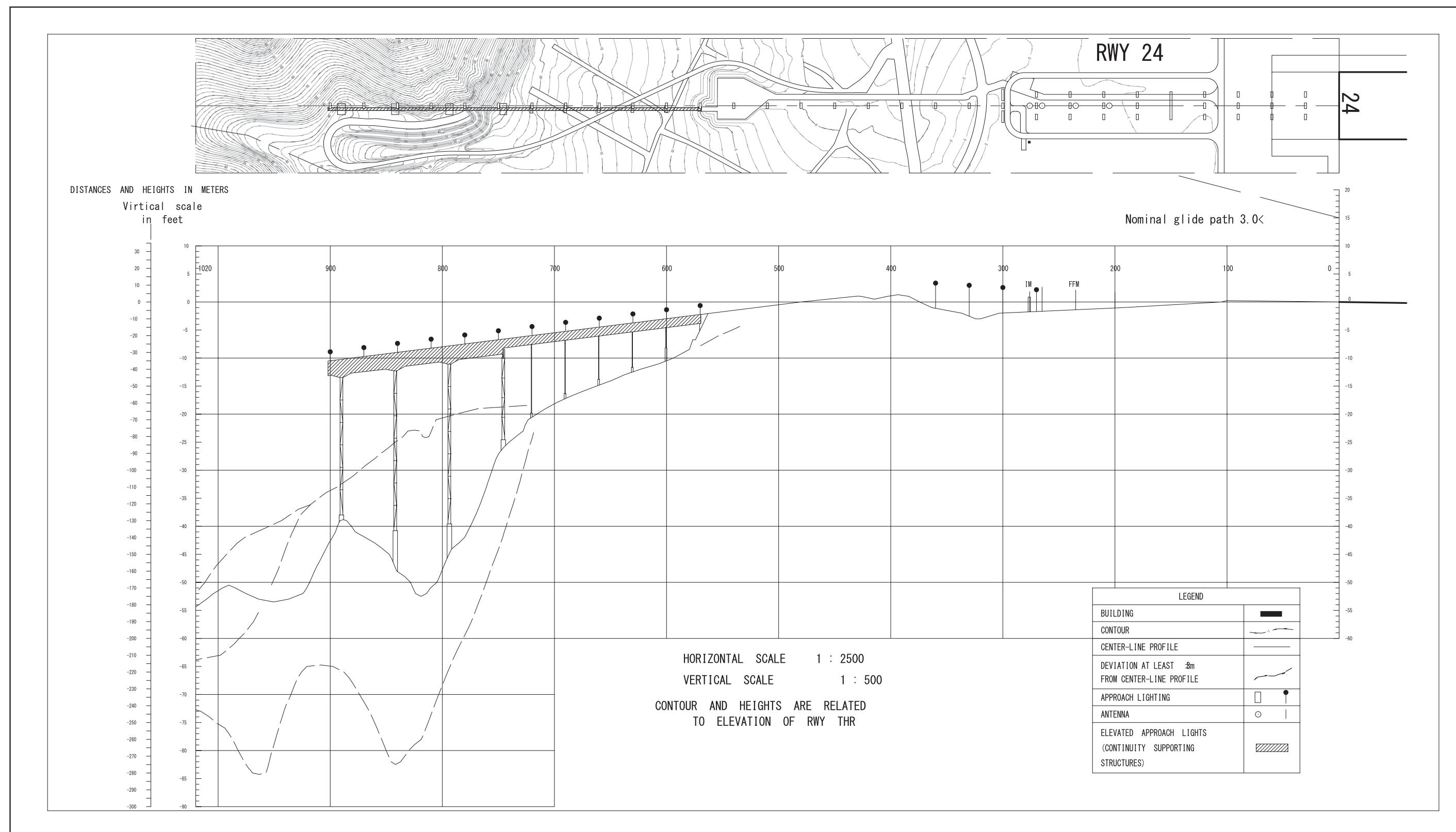
AD CHART

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



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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.

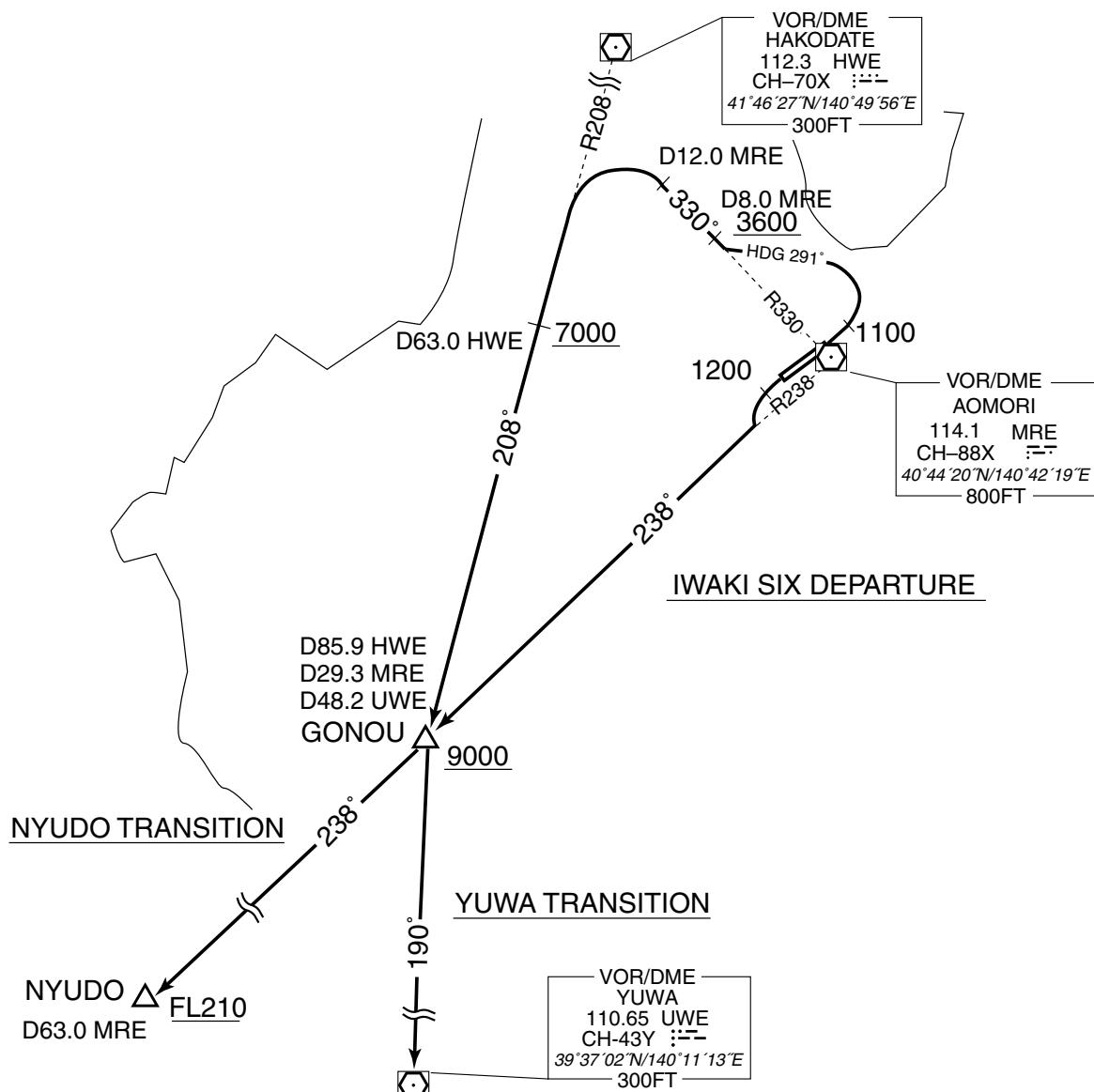
YUWA TRANSITION

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°...

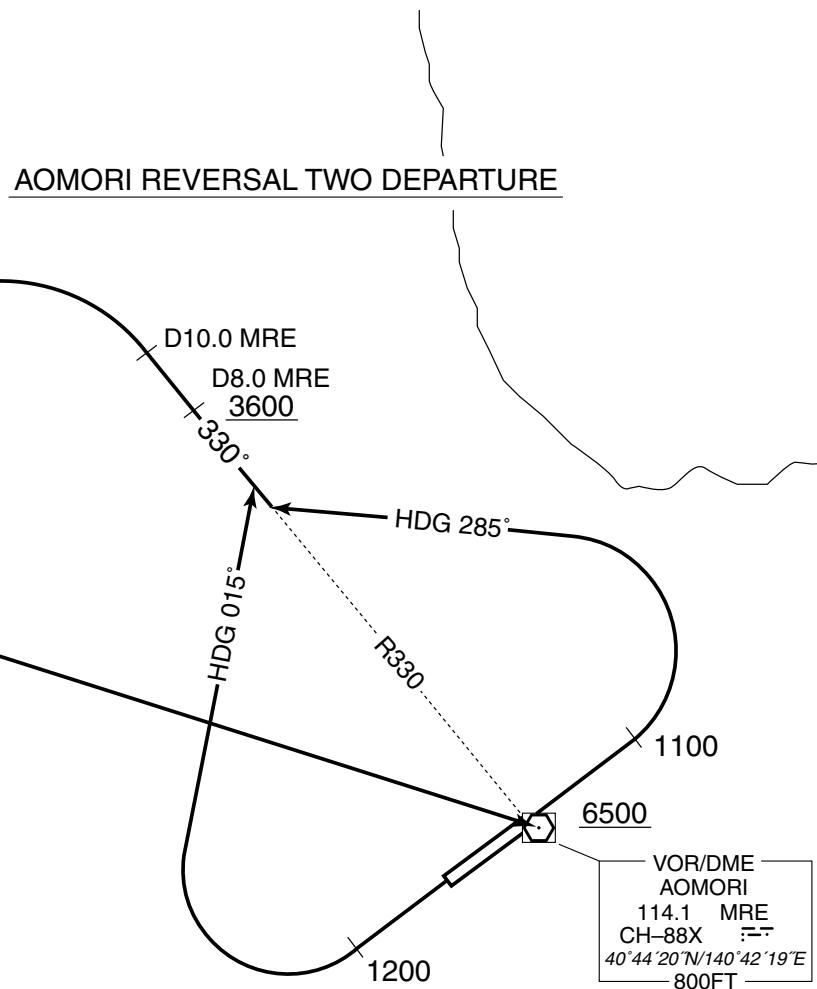
RWY24 : Climb RWY HDG to 1200FT, turn right HDG 015°...

...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,...

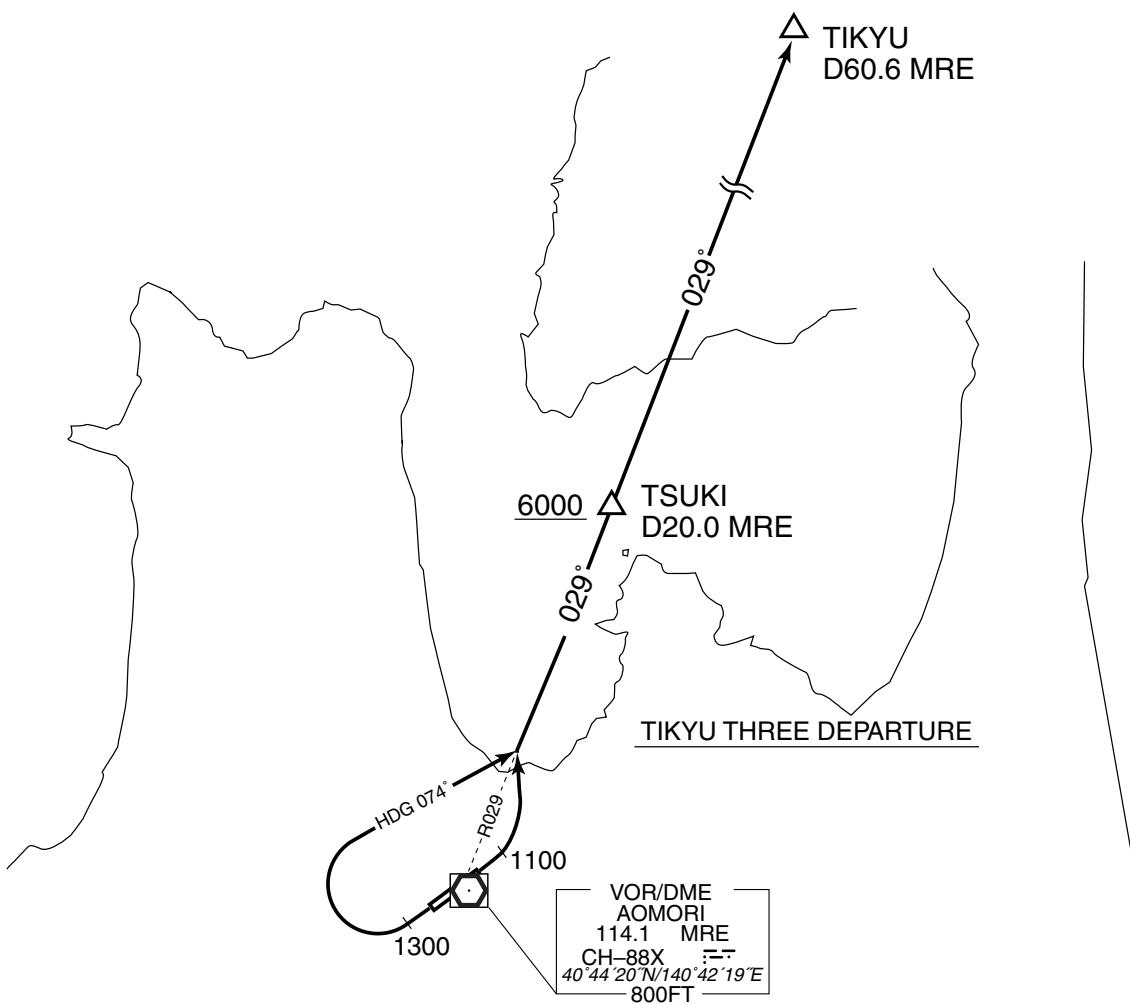
RWY24 : Climb RWY HDG to 1300FT, turn right HDG 074° to intercept and proceed...

...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

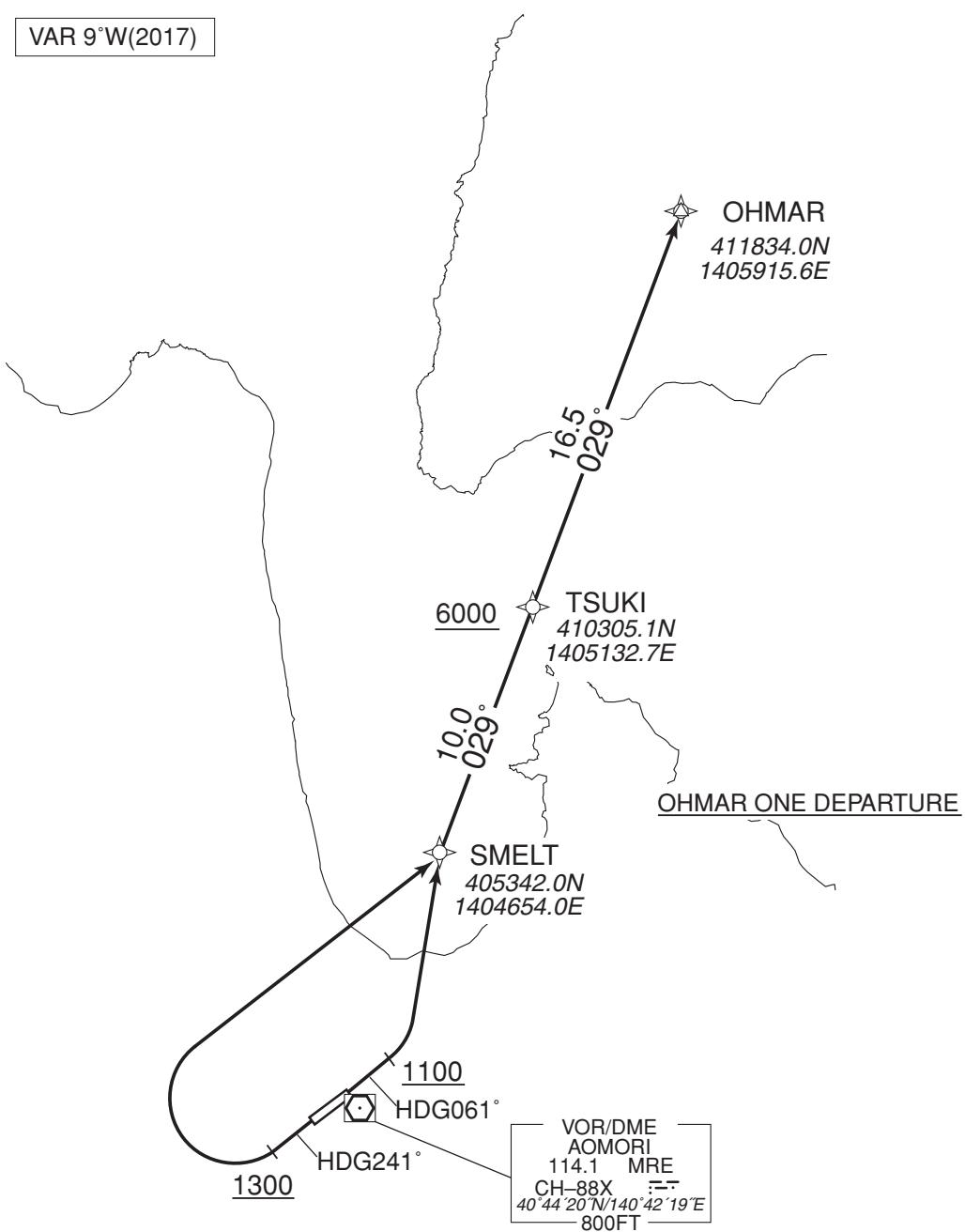
RNAV SID

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

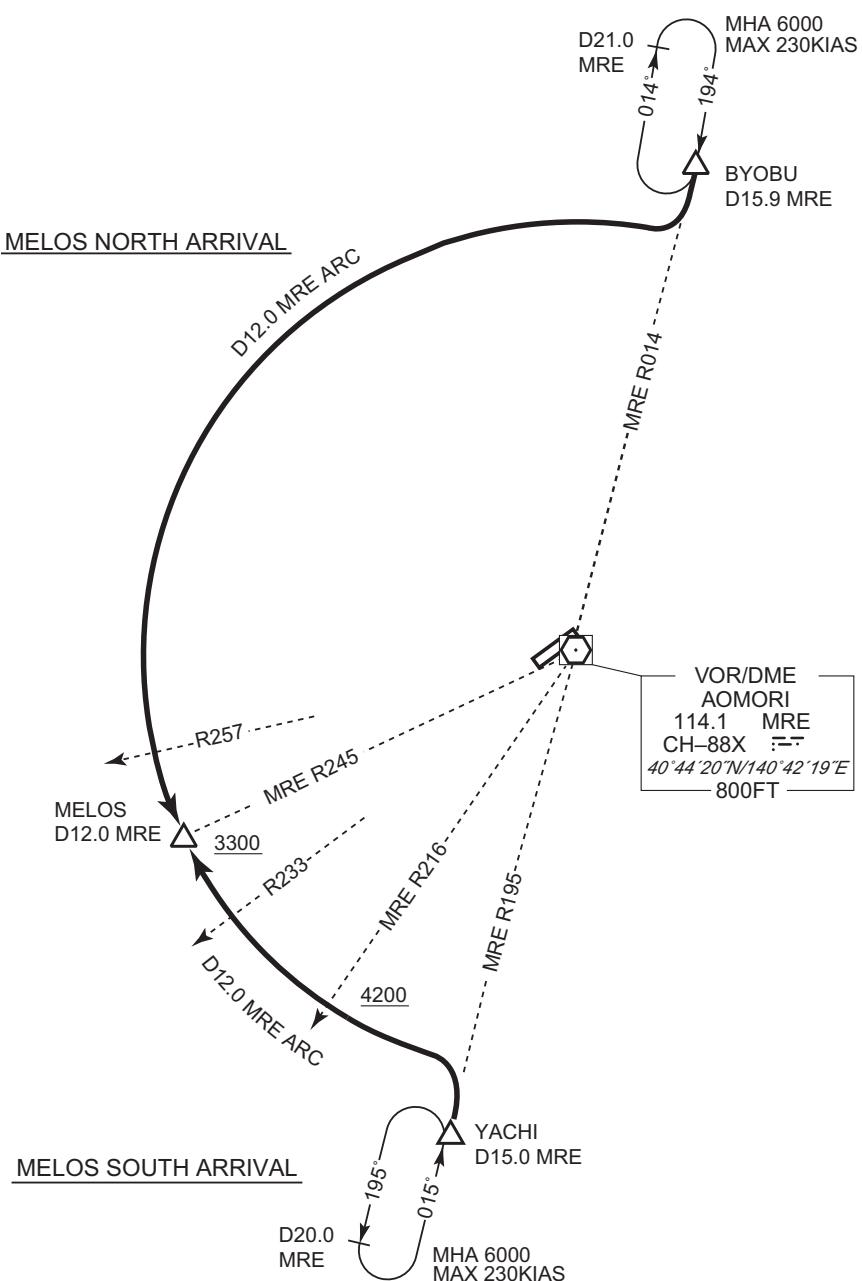
MELOS NORTH ARRIVAL

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

MELOS SOUTH ARRIVAL

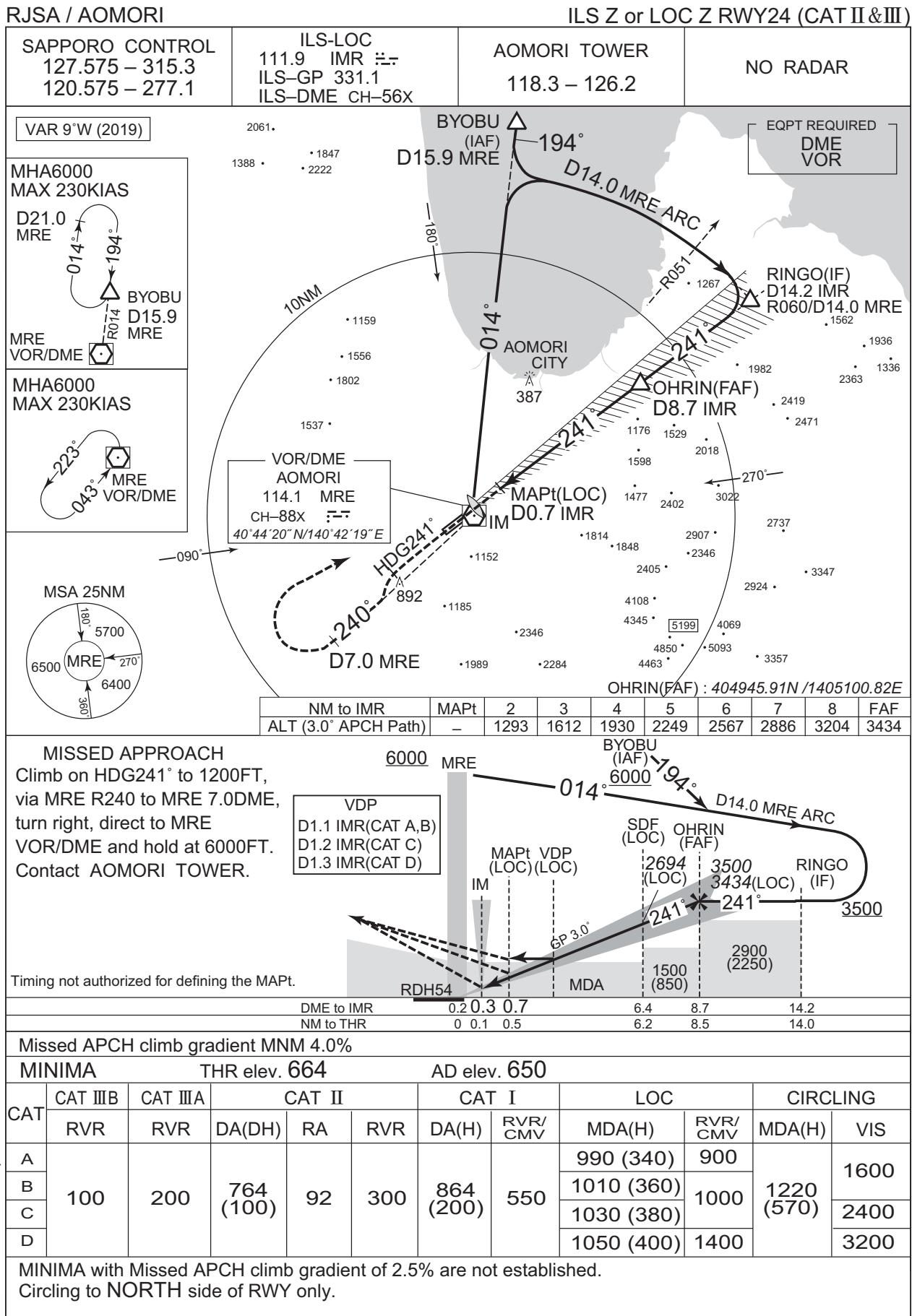
From over YACHI, proceed via MRE 12.0DME clockwise ARC to MELOS.
Cross MRE R216 at or above 4200FT.
Cross MELOS at or above 3300FT.

CHANGE : HLDG pattern for BYOBU

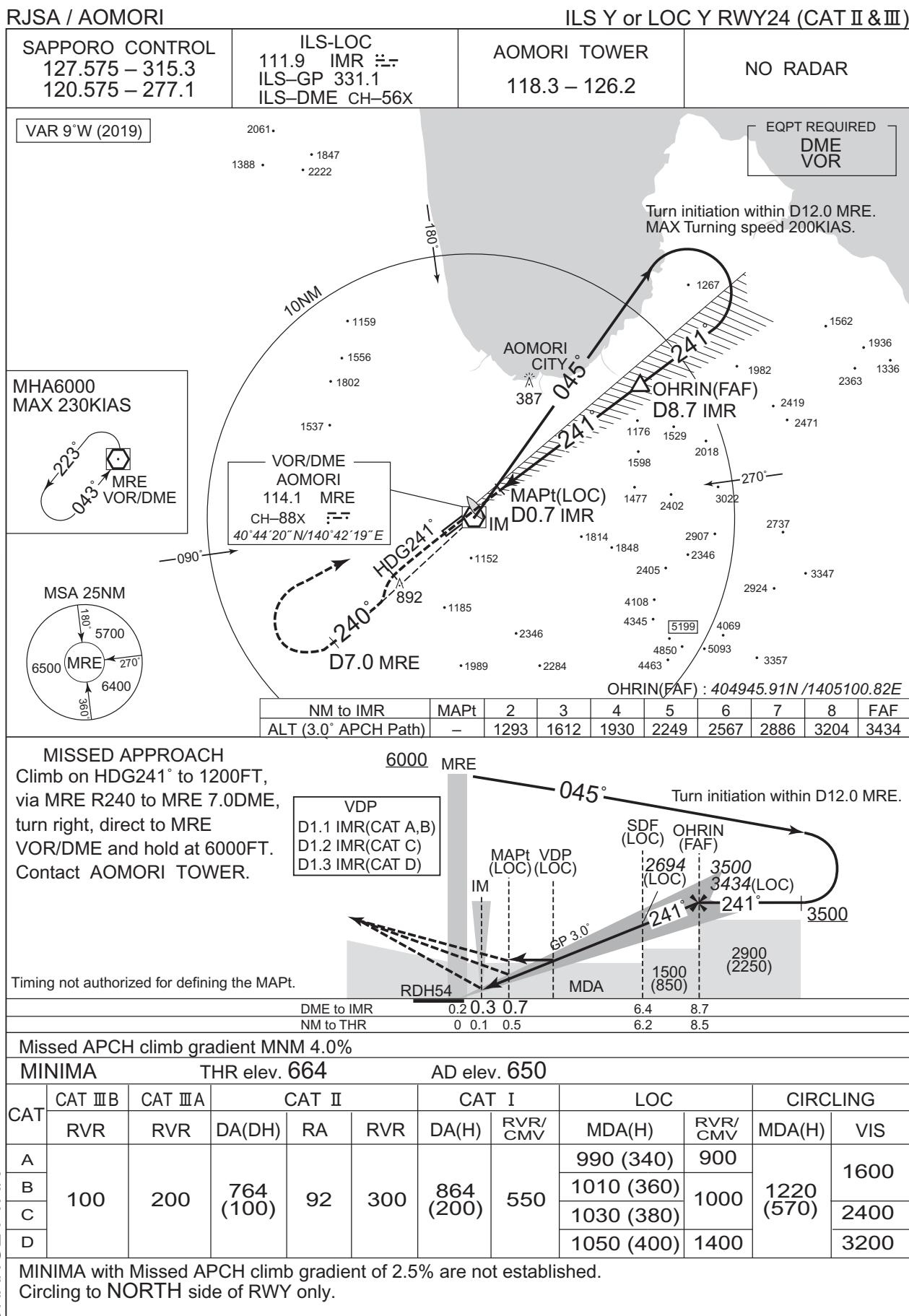


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INSTRUMENT APPROACH CHART



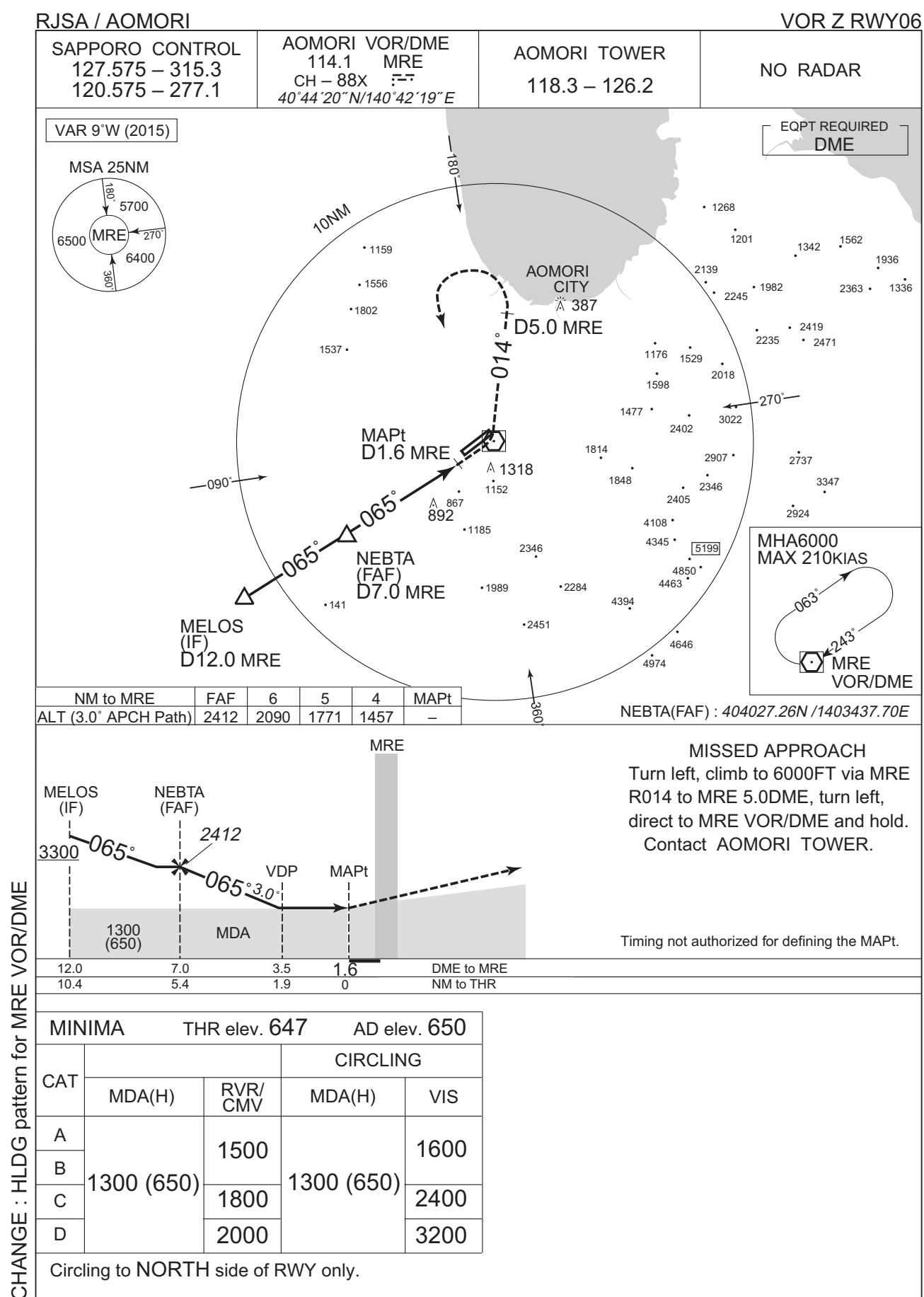
INSTRUMENT APPROACH CHART



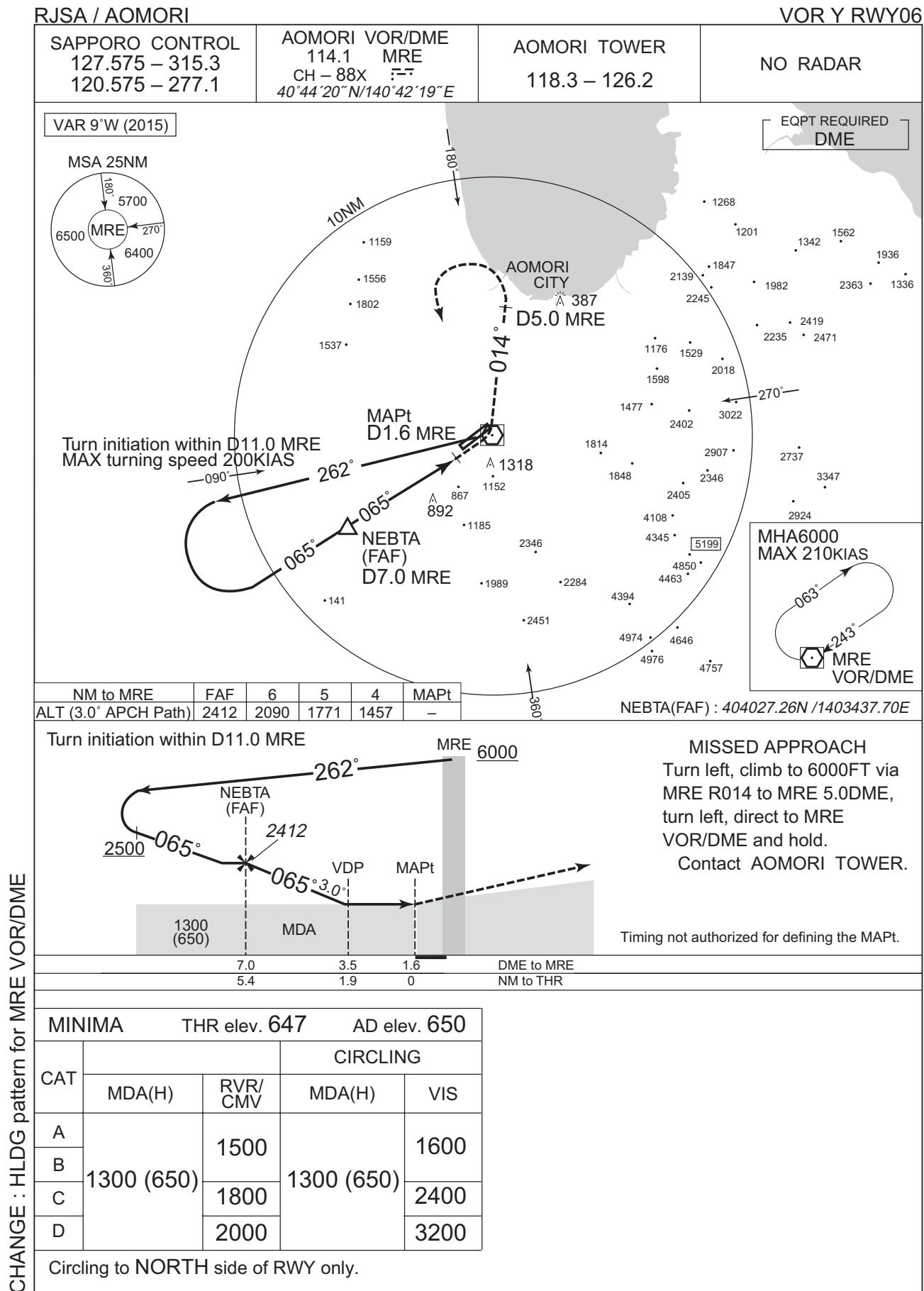
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



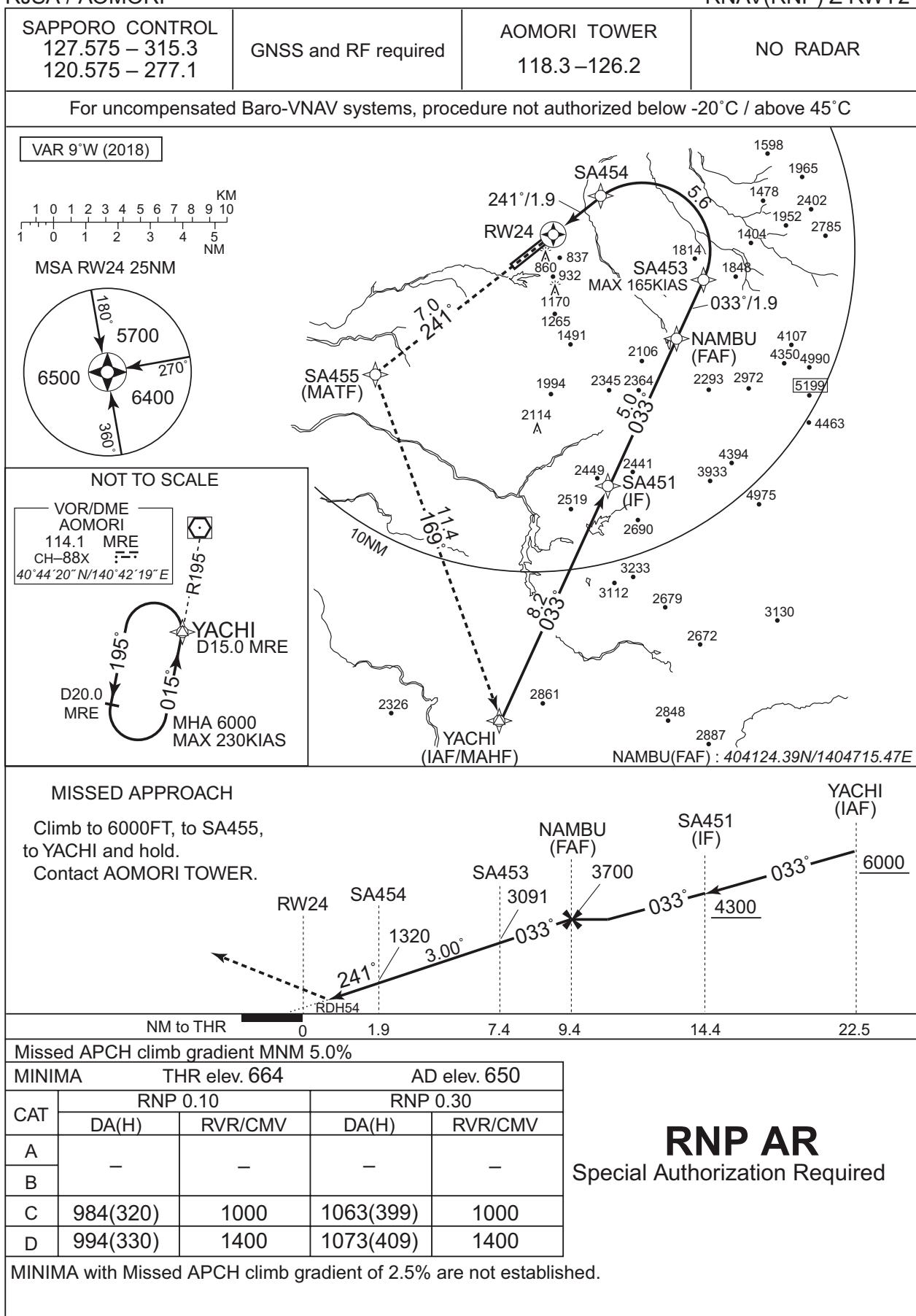
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSA / AOMORI

RNAV(RNP) Z RWY24



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

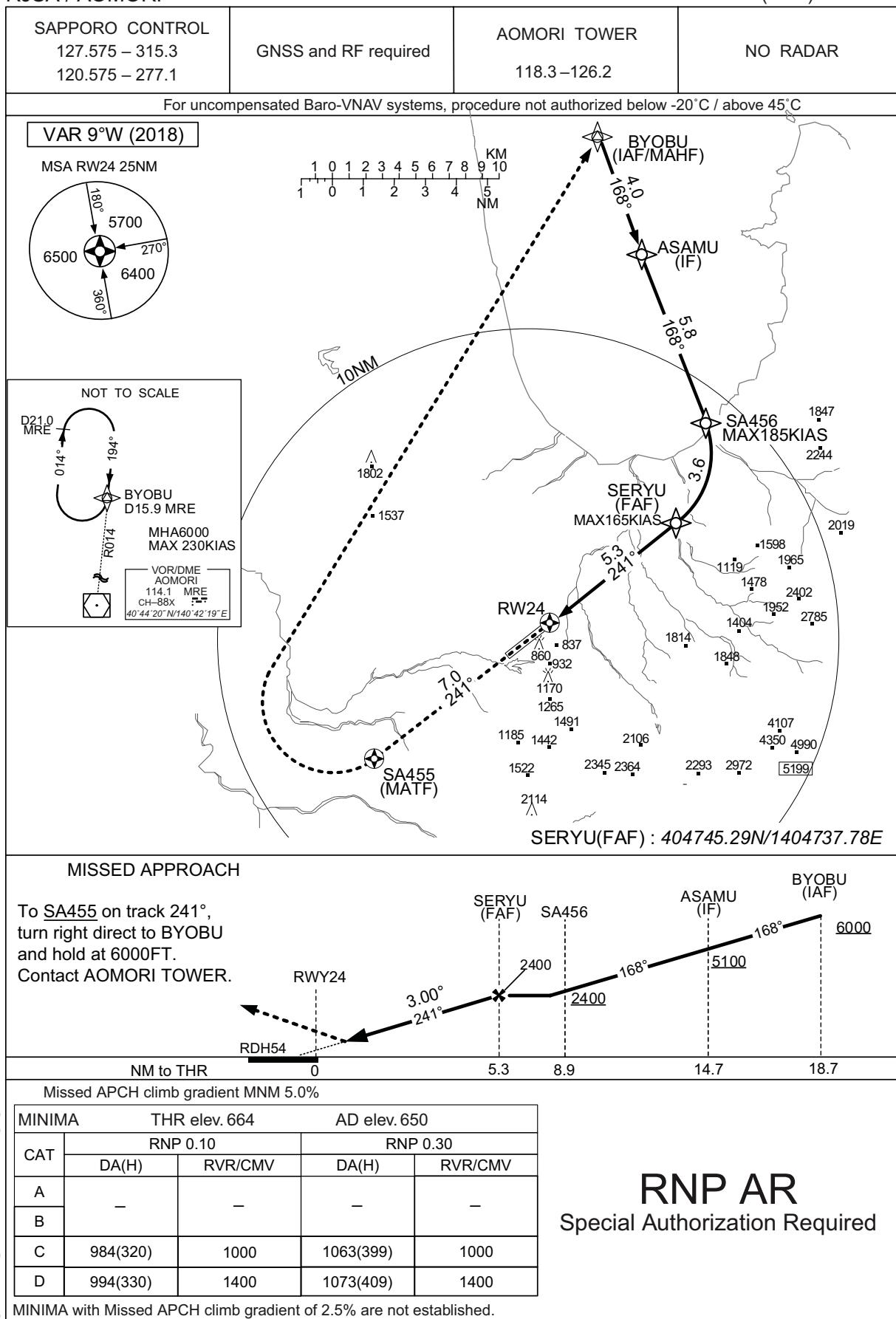
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| YACHI | 402925.44N/1404004.97E | SARF1 | 404400.99N/1404548.34E |
| SA451 | 403651.24N/1404431.58E | | |
| NAMBU | 404124.39N/1404715.47E | | |
| 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



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

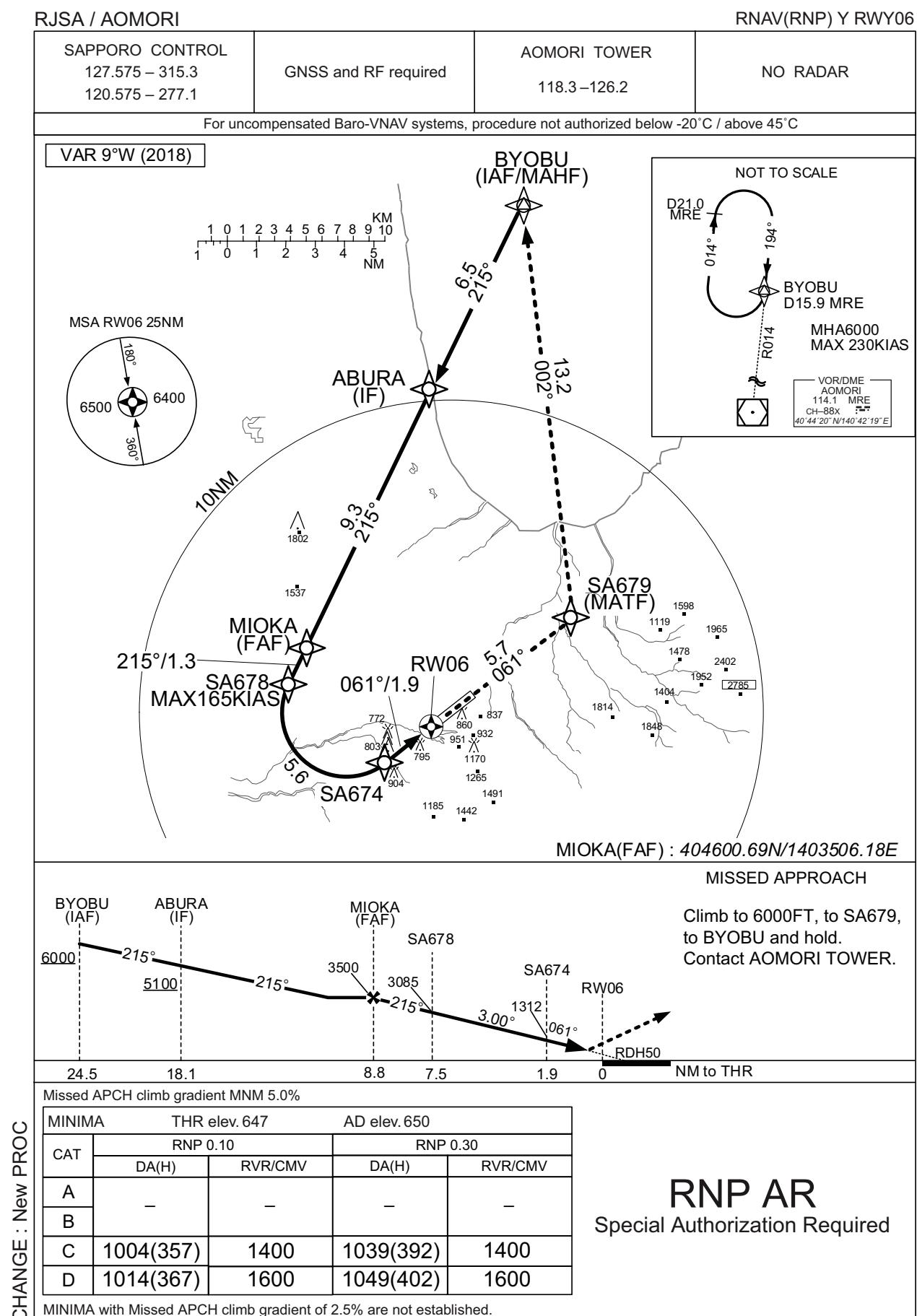
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (/FT) | RNP Value |
|---------------|---------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|---------------|--------------|
| 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



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



| Call sign | BRG / DIST from ARP | Remarks |
|--------------------------|---------------------|-----------------------------------|
| アスパム Aspm | 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 |
| 釧迦 Shaka | 295°/ 4.8NM | JR大釧駅 JR Station |



RJSA / AOMORI

Minimum Vectoring Altitude CHART

VAR 9°W (1999)

