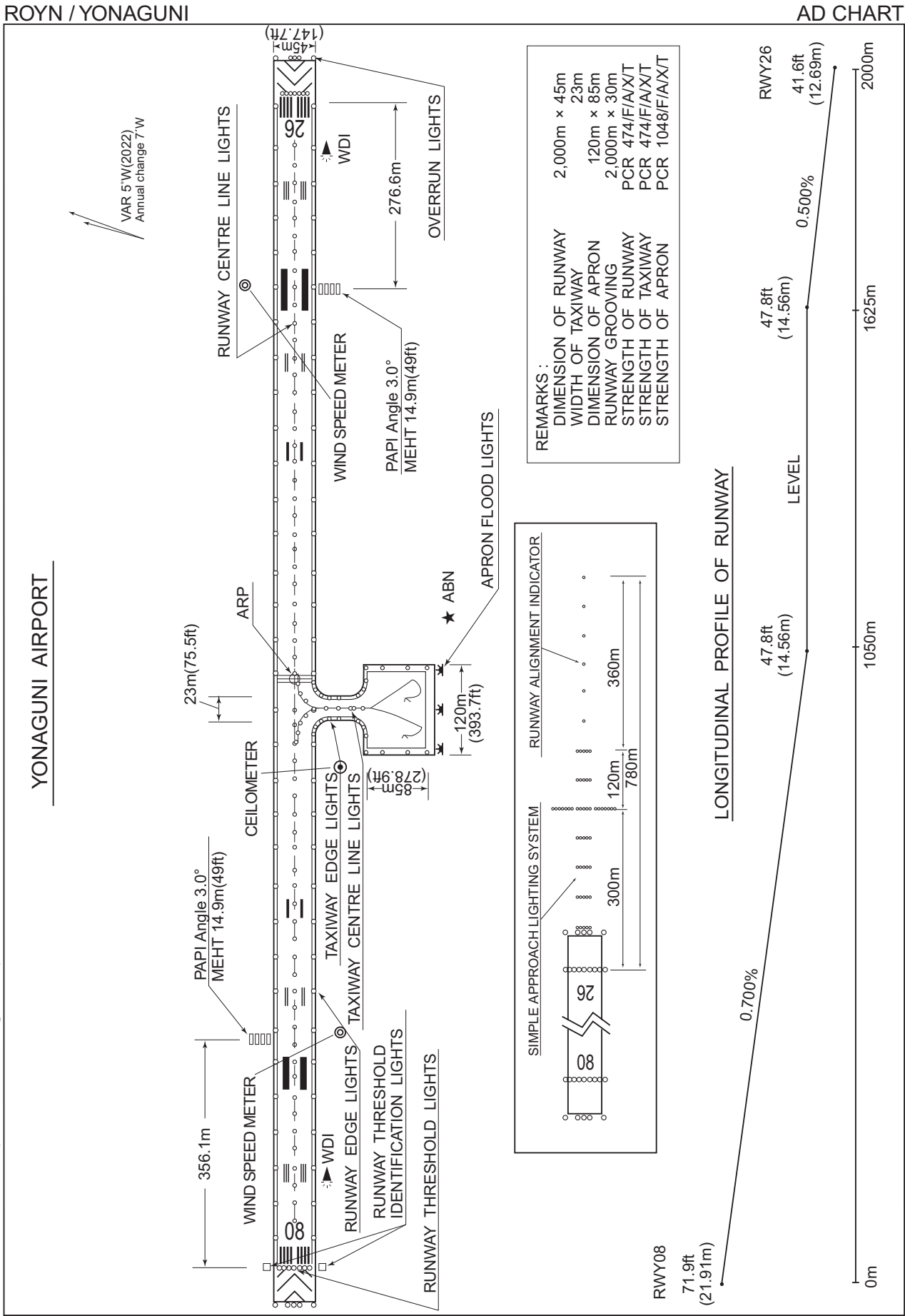


CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART -INSTRUMENT

ROYN / YONAGUNI

SID

TAKZO TWO DEPARTURE

RWY 08 : Climb RWY HDG until 3NM from RWY end/YNE 2.7DME, turn left,...

RWY 26 : Climb RWY HDG until 700FT, turn right,...

...climb via YNE R022 to TAKZO.

Note RWY08 : 6.7% climb gradient required up to 700FT.

OBST ALT 89FT located at 0.1NM 126° FM end of RWY08.

RWY26 : No turn before DER.

In case of climbing with 9.0 % gradient up to 900FT, another TKOF WX MINIMA is applicable.

OBST ALT 358FT located at 0.6NM 236° FM end of RWY26,

OBST ALT 912FT located at 2.1NM 115° FM end of RWY26.

ABASA TWO DEPARTURE

RWY 08 : Climb RWY HDG until 3NM from RWY end/YNE 2.7DME, turn right,...

RWY 26 : Climb RWY HDG until 700FT, turn right,...

...climb via YNE R101 to ABASA.

Note RWY08 : 6.7% climb gradient required up to 700FT.

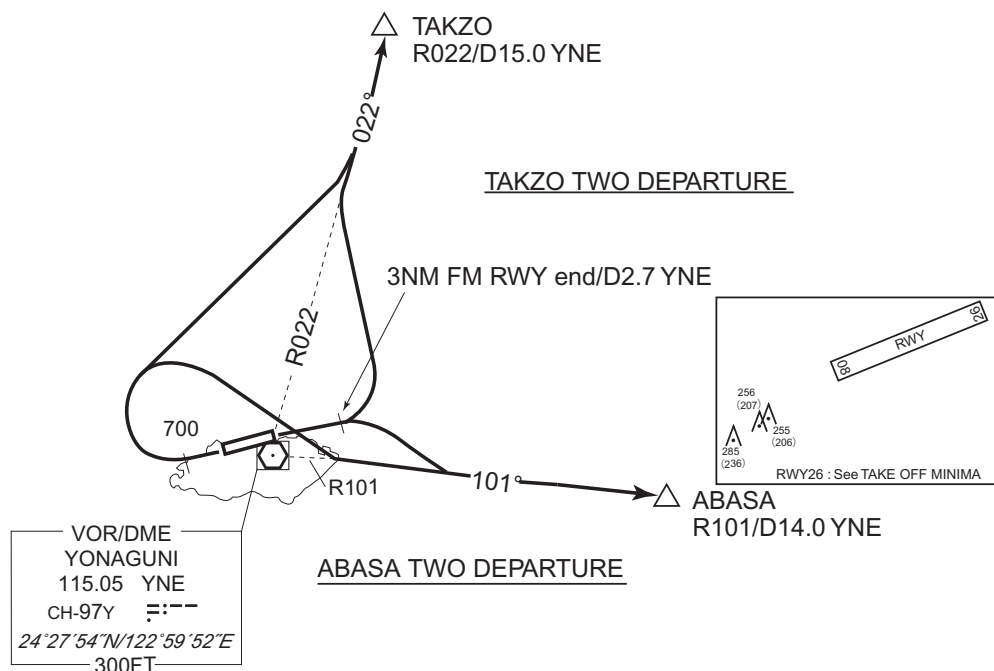
OBST ALT 89FT located at 0.1NM 126° FM end of RWY08.

RWY26 : No turn before DER.

In case of climbing with 9.0 % gradient up to 900FT, another TKOF WX MINIMA is applicable.

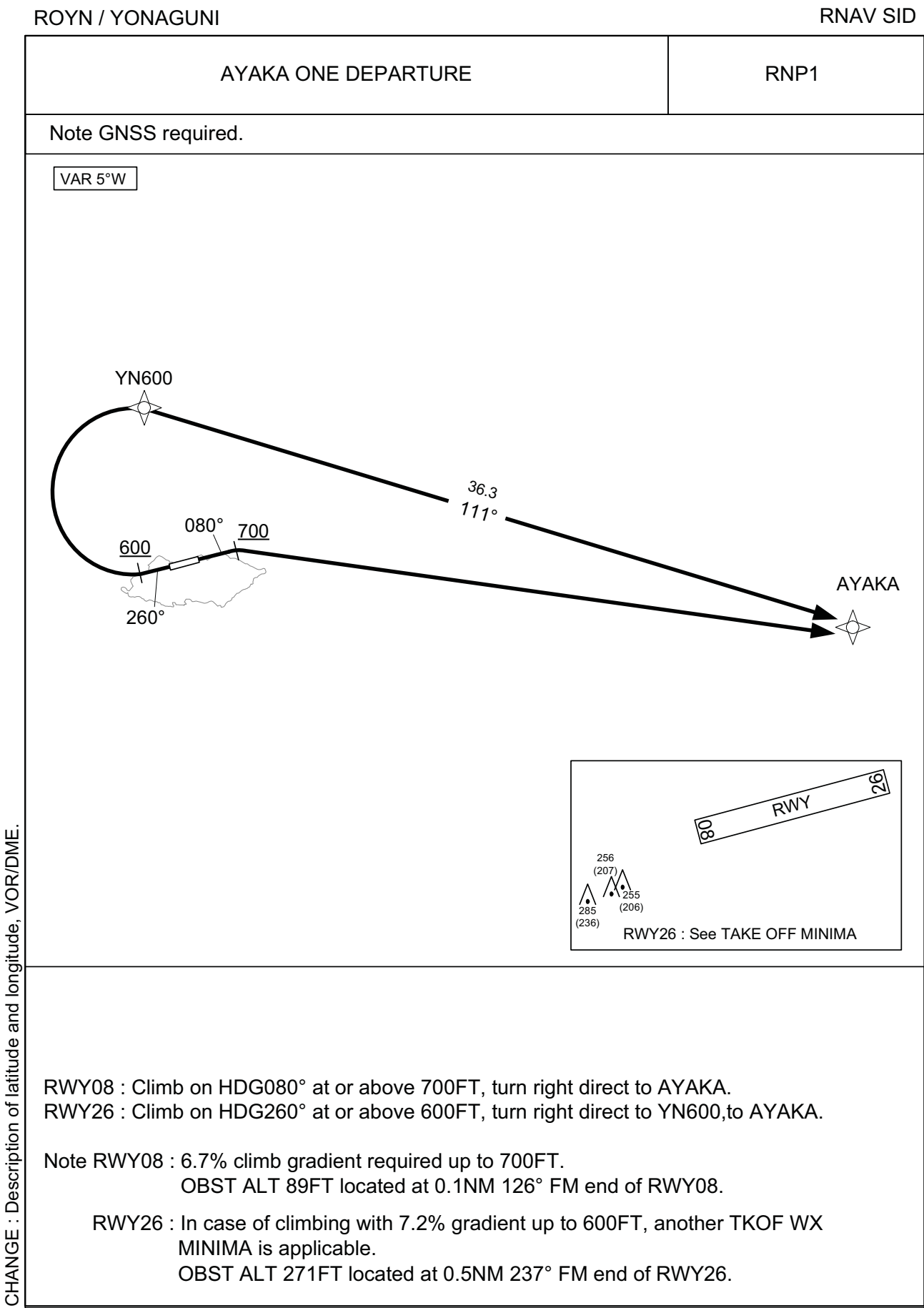
OBST ALT 358FT located at 0.6NM 236° FM end of RWY26,

OBST ALT 912FT located at 2.1NM 115° FM end of RWY26.



CHANGE : PROC renamed. Radial FM YNE. Note RWY08 added. OBST chart added.

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : Description of latitude and longitude, VOR/DME.

STANDARD DEPARTURE CHART -INSTRUMENT

ROYN / YONAGUNI

RNAV SID

AYAKA ONE DEPARTURE

RWY08

| 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 | - | - | 080 (075.2) | -4.6 | - | - | +700 | - | - | RNP1 |
| 002 | DF | AYAKA | - | - | -4.6 | - | R | - | - | - | RNP1 |

RWY26

| 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 | - | - | 260 (255.2) | -4.6 | - | - | +600 | - | - | RNP1 |
| 002 | DF | YN600 | - | - | -4.6 | - | R | - | - | - | RNP1 |
| 003 | TF | AYAKA | - | 111 (106.1) | -4.6 | 36.3 | - | - | - | - | RNP1 |

Waypoint Coordinates

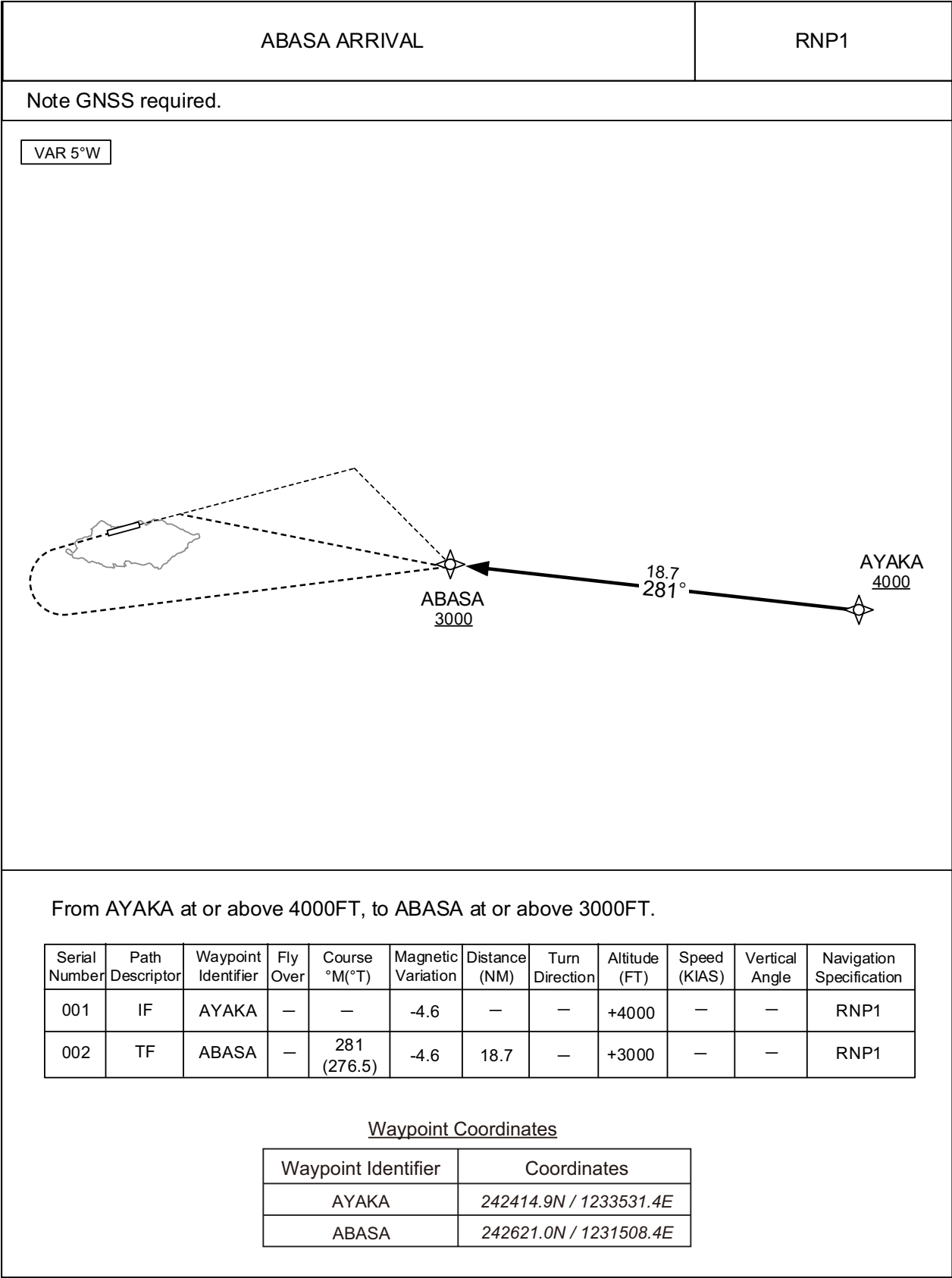
| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| YN600 | 243424.5N / 1225712.2E |
| AYAKA | 242414.9N / 1233531.4E |

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

ROYN / YONAGUNI

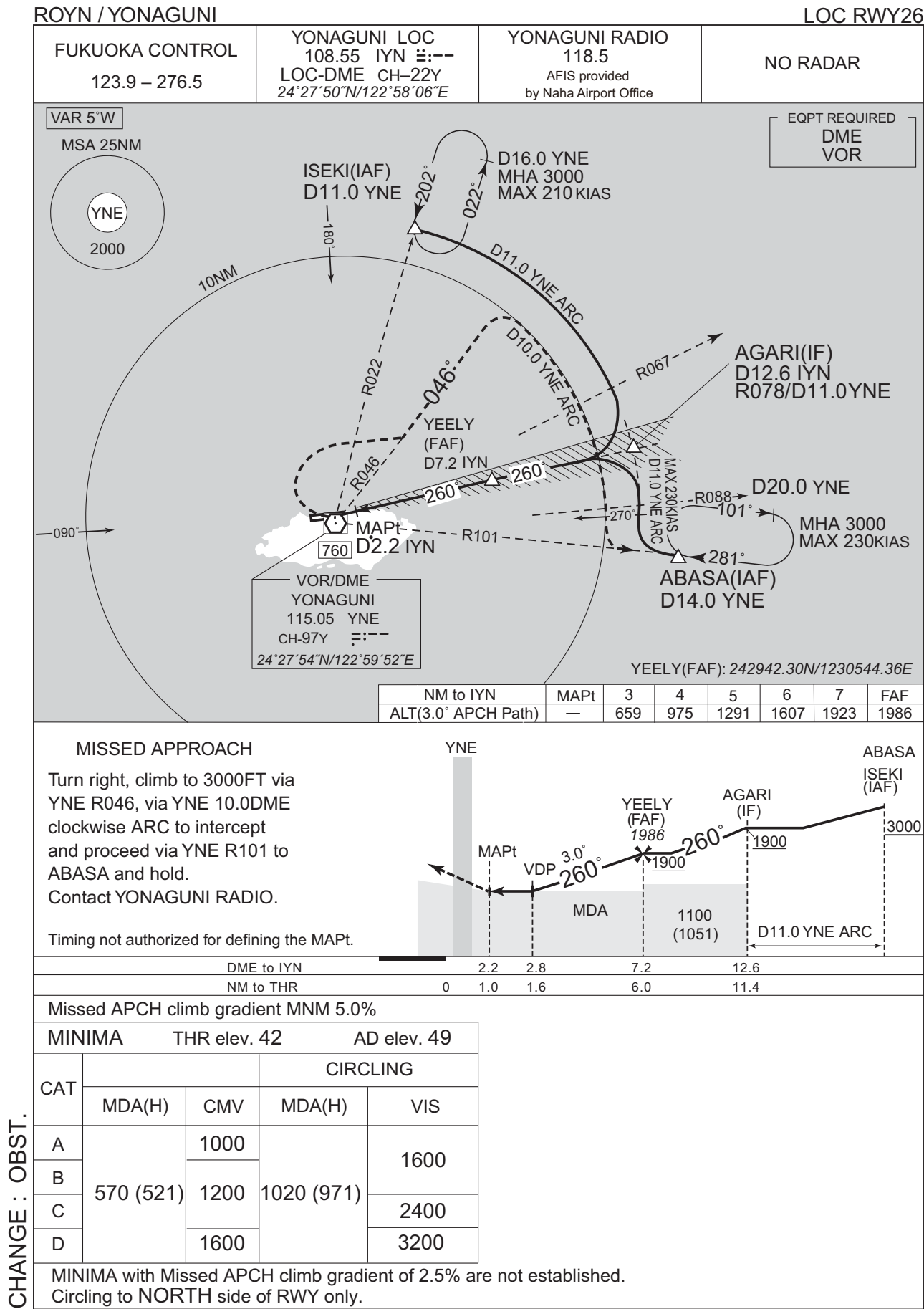
RNAV STAR



CHANGE : Waypoint Coordinates added.

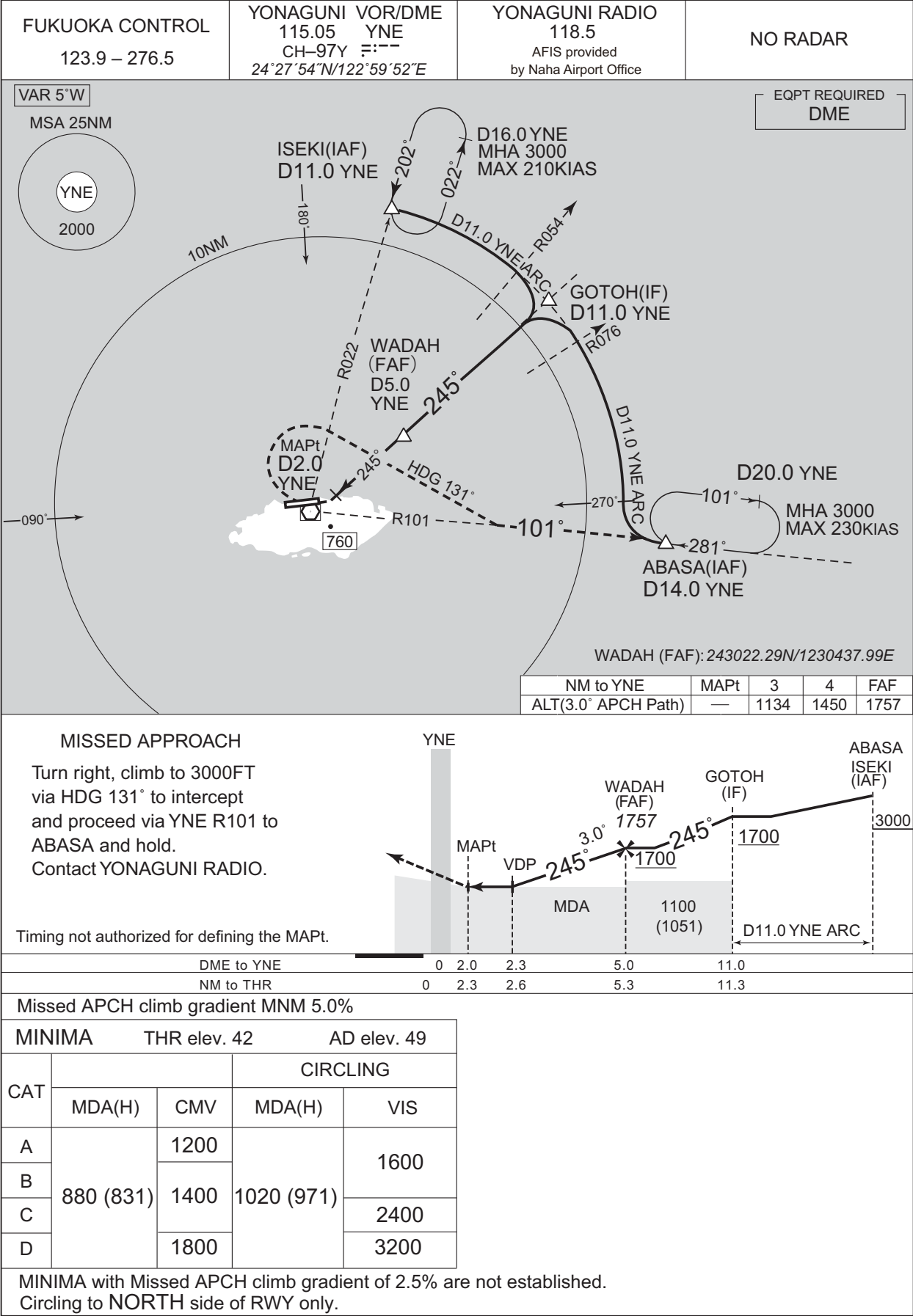
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INSTRUMENT APPROACH CHART



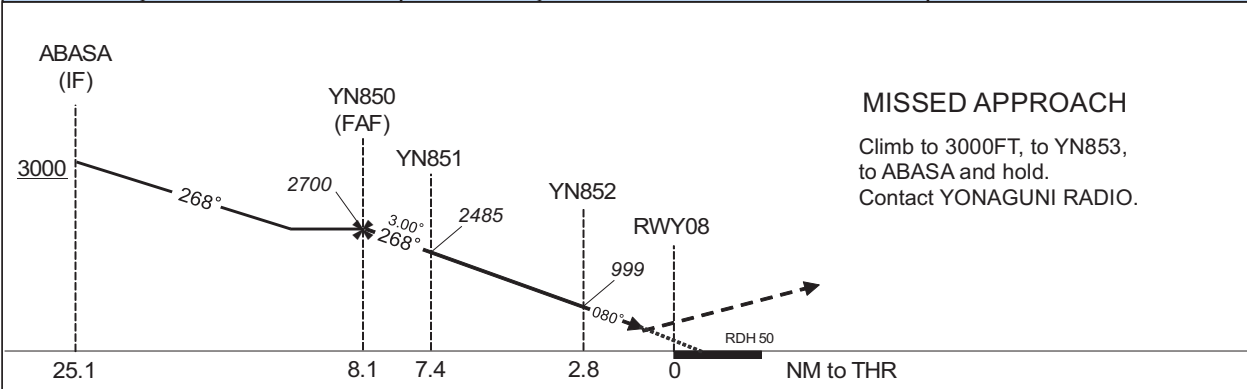
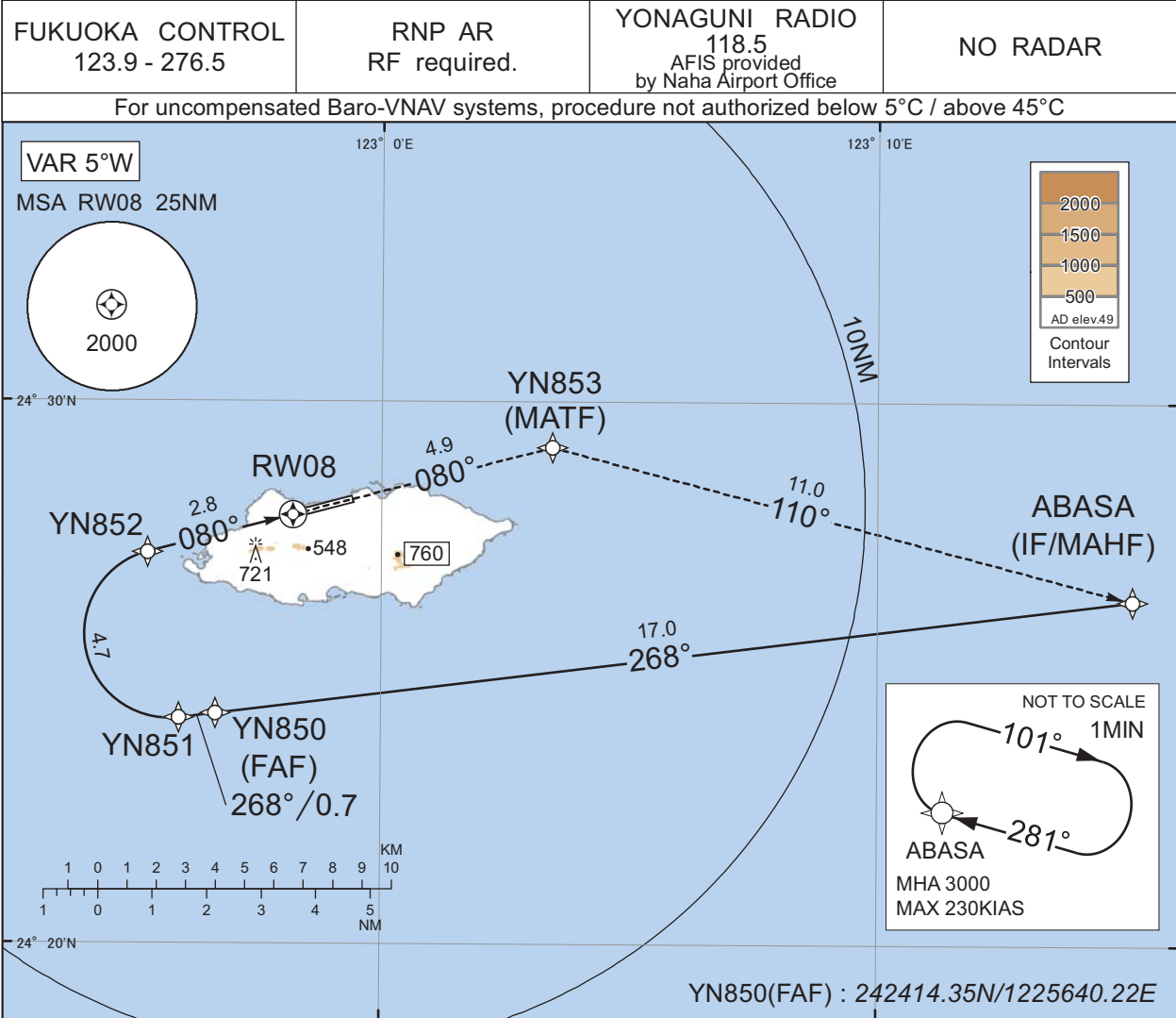
INSTRUMENT APPROACH CHART

ROYN / YONAGUNI VOR RWY26



INSTRUMENT APPROACH CHART

ROYN / YONAGUNI RNP RWY08(AR)



CHANGE : New PROC.

| | | |
|-------------------------------------|--------------|-------------|
| Missed APCH climb gradient MNM 5.0% | | |
| MINIMA | THR elev. 72 | AD elev. 49 |
| CAT | RNP 0.30 | |
| | DA(H) | CMV |
| A | - | - |
| B | - | - |
| C | 840(768) | 2000 |
| D | - | - |

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

Authorization Required

INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

RNP RWY08(AR)

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 | ABASA | - | - | -5.1 | - | - | +3000 | - | - | - |
| 002 | TF | YN850 | - | 268 (262.9) | -5.1 | 17.0 | - | 2700 | - | - | 0.3 |
| 003 | TF | YN851 | - | 268 (262.8) | -5.1 | 0.7 | - | 2485 | - | -3.00 | 0.3 |
| 004 | RF Center: YNRF1 r=1.55NM | YN852 | - | - | -5.1 | 4.7 | R | 999 | - | -3.00 | 0.3 |
| 005 | TF | RW08 | Y | 080 (075.2) | -5.1 | 2.8 | - | 122 | - | -3.00/50 | 0.3 |
| 006 | TF | YN853 | - | 080 (075.2) | -5.1 | 4.9 | - | - | - | - | 1.0 |
| 007 | TF | ABASA | - | 110 (104.7) | -5.1 | 11.0 | - | 3000 | - | - | 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 | ABASA | 281 (276.4) | -5.1 | 1.0 (-14000) | R | 3000 | FL140 | -230 (-14000) | 1.0 |

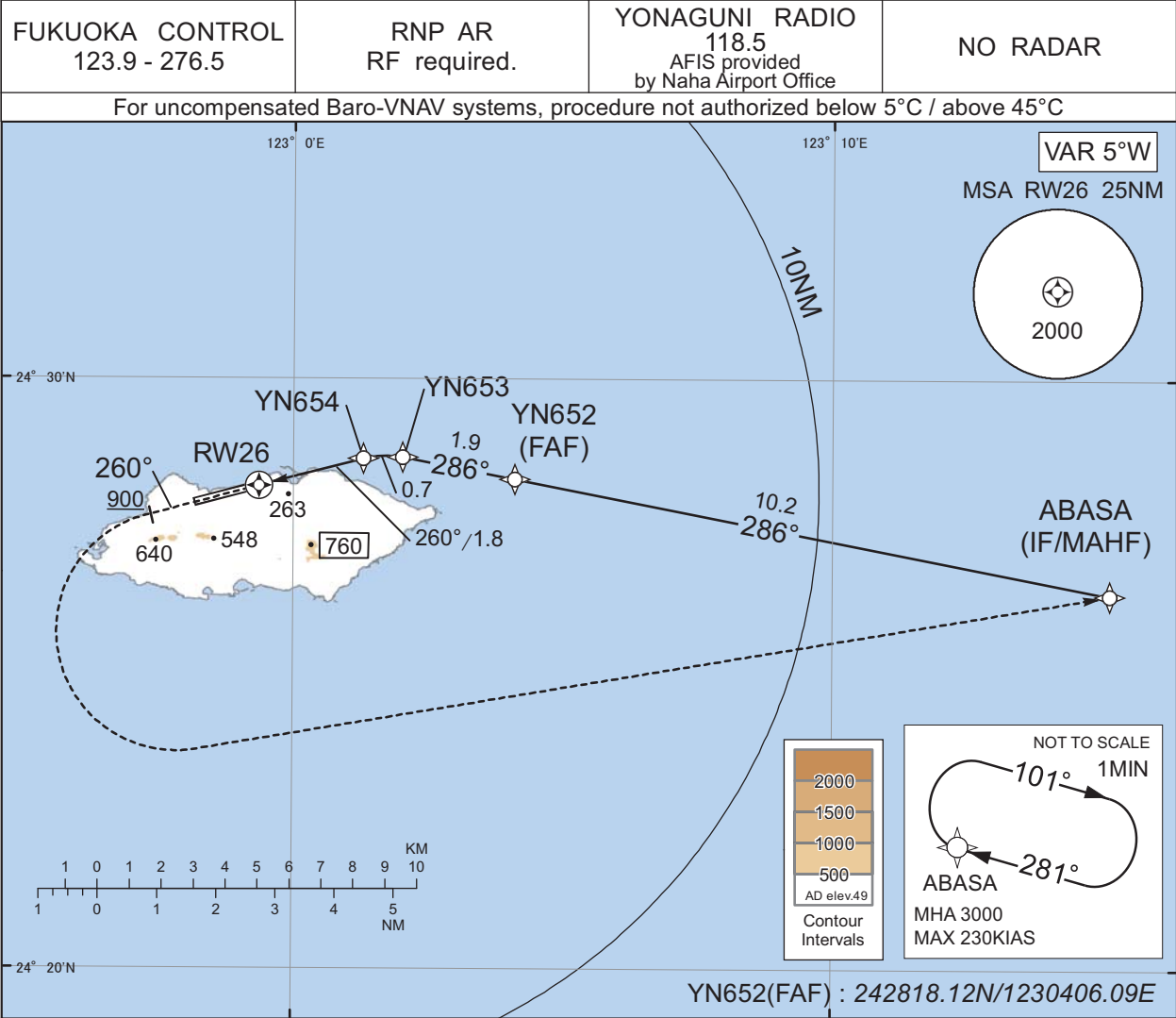
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ABASA | 242621.02N / 1231508.36E | YNRF1 | 242541.86N / 1225543.37E |
| YN850 | 242414.35N / 1225640.22E | | |
| YN851 | 242409.26N / 1225556.12E | | |
| YN852 | 242712.12N / 1225517.42E | | |
| RW08 | 242754.37N / 1225812.86E | | |
| YN853 | 242909.68N / 1230326.27E | | |

CHANGE : New PROC.

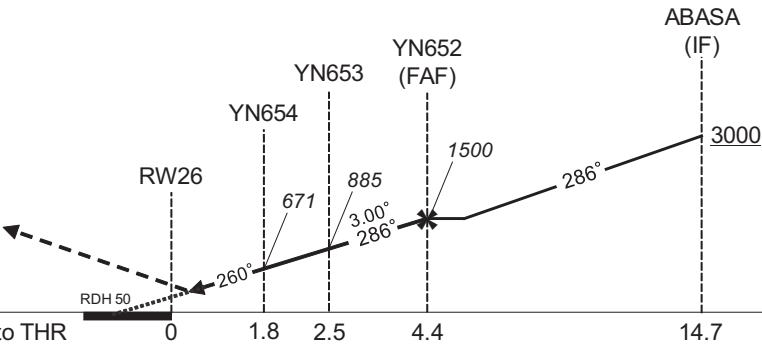
INSTRUMENT APPROACH CHART

ROYN / YONAGUNI RNP Z RWY26(AR)



MISSED APPROACH

From RW26 on track 260°, at or above 900FT turn left, direct to ABASA and hold at 3000FT. Contact YONAGUNI RADIO.



CHANGE : New PROC.

| | | |
|-------------------------------------|--------------|-------------|
| Missed APCH climb gradient MNM 5.0% | | |
| MINIMA | THR elev. 42 | AD elev. 49 |
| CAT | RNP 0.30 | |
| | DA(H) | CMV |
| A | - | - |
| B | - | - |
| C | 512(470) | 1200 |
| D | - | - |

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

Authorization Required

INSTRUMENT APPROACH CHART

ROYN / YONAGUNI

RNP Z RWY26(AR)

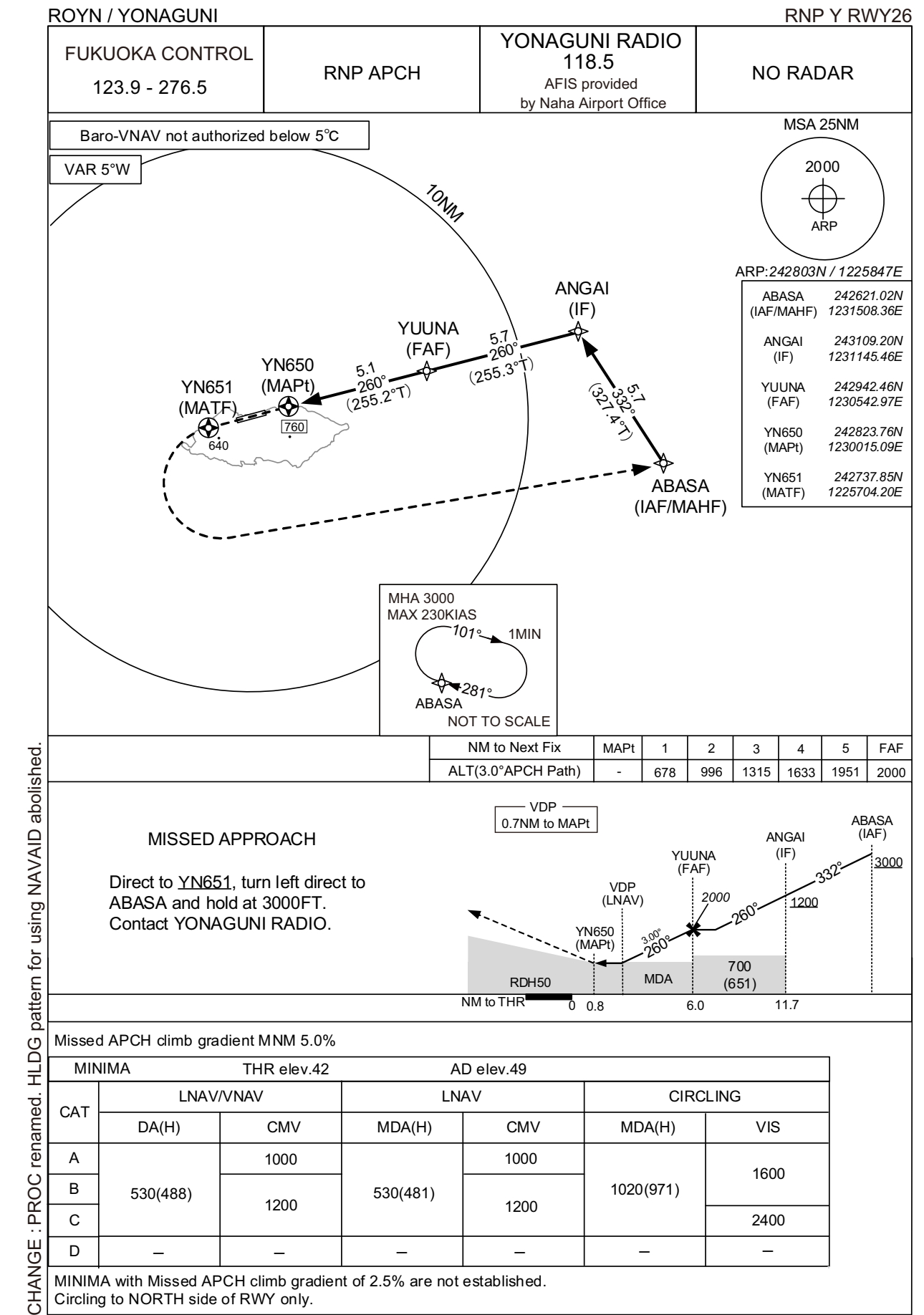
| Coding Table | | | | | | | | | | | |
|---------------|------------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|-----------------|-----------|
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
| 001 | IF | ABASA | - | - | -5.1 | - | - | +3000 | - | - | - |
| 002 | TF | YN652 | - | 286 (281.0) | -5.1 | 10.2 | - | 1500 | - | - | 0.3 |
| 003 | TF | YN653 | - | 286 (281.0) | -5.1 | 1.9 | - | 885 | - | -3.00 | 0.3 |
| 004 | RF Center: YNRF2 r=1.50NM | YN654 | - | - | -5.1 | 0.7 | L | 671 | - | -3.00 | 0.3 |
| 005 | TF | RW26 | Y | 260 (255.2) | -5.1 | 1.8 | - | 92 | - | -3.00/50 | 0.3 |
| 006 | FA | - | - | 260 (255.2) | -5.1 | - | - | +900 | - | - | 1.0 |
| 007 | DF | ABASA | - | - | -5.1 | - | L | 3000 | - | - | 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 | ABASA | 281 (276.4) | -5.1 | 1.0 (-14000) | R | 3000 | FL140 | -230 (-14000) | 1.0 |

| Waypoint Coordinates | | | | | | | | | | | |
| Waypoint Identifier | | Coordinates | | RF Arc Center Identifier | | Coordinates | | | | | |
| ABASA | | 242621.02N / 1231508.36E | | YNRF2 | | 242711.40N / 1230142.58E | | | | | |
| YN652 | | 242818.12N / 1230406.09E | | | | | | | | | |
| YN653 | | 242840.10N / 1230201.20E | | | | | | | | | |
| YN654 | | 242838.77N / 1230117.53E | | | | | | | | | |
| RW26 | | 242810.89N / 1225921.54E | | | | | | | | | |

CHANGE : New PROC.

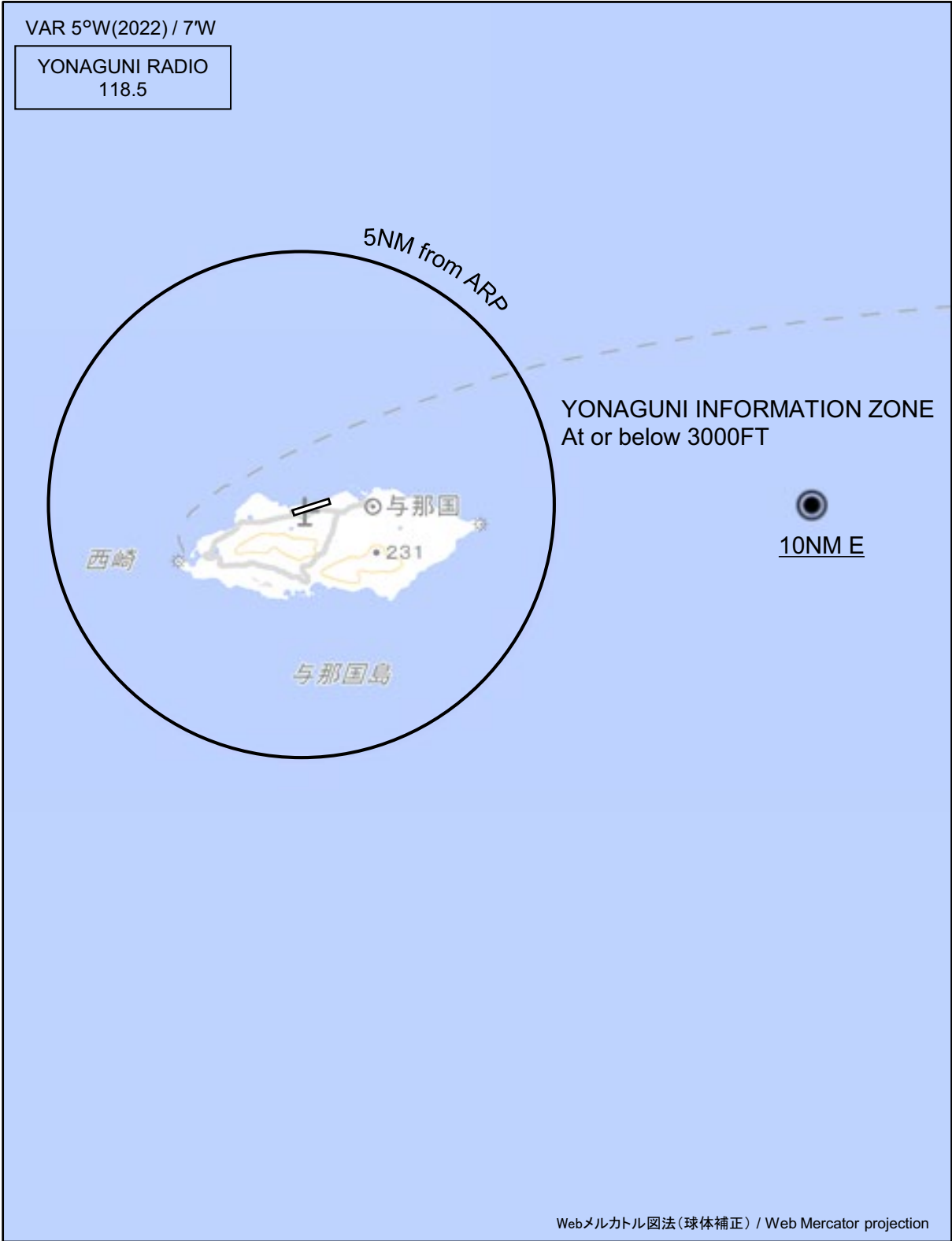
INSTRUMENT APPROACH CHART



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ROYN / YONAGUNI

Visual REP



CHANGE : Map updated. BRG/DIST from ARP.

※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).

| Call sign | BRG / DIST from ARP | Remarks |
|-----------|---------------------|--------------------|
| 10NM E | 090°T / 10.0NM | 海上 Over the sea |

ROYN / YONAGUNI

Minimum Vectoring Altitude CHART

