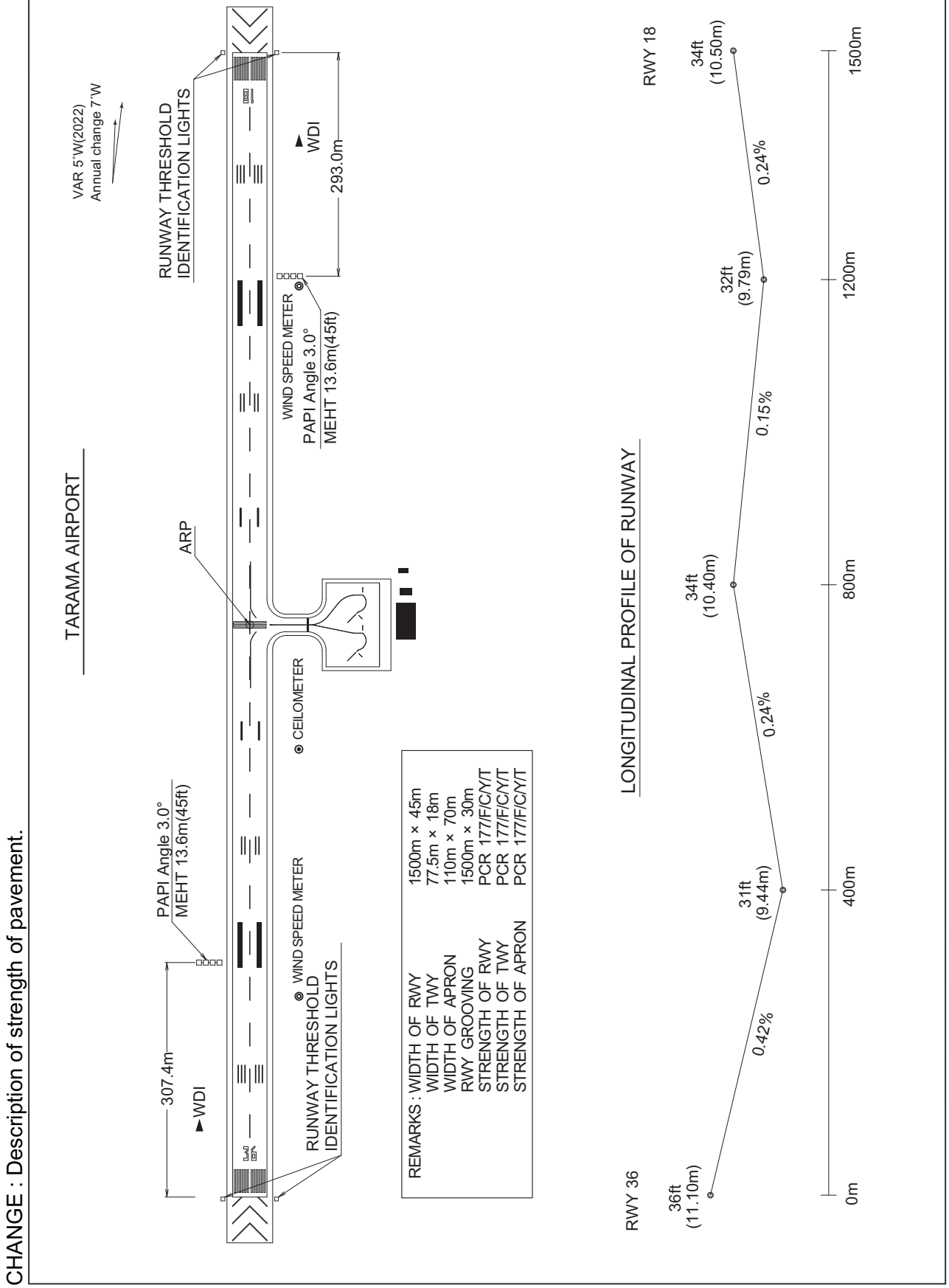
RORT / TARAMA AD CHART

CHANGE : Description of strength of pavement.



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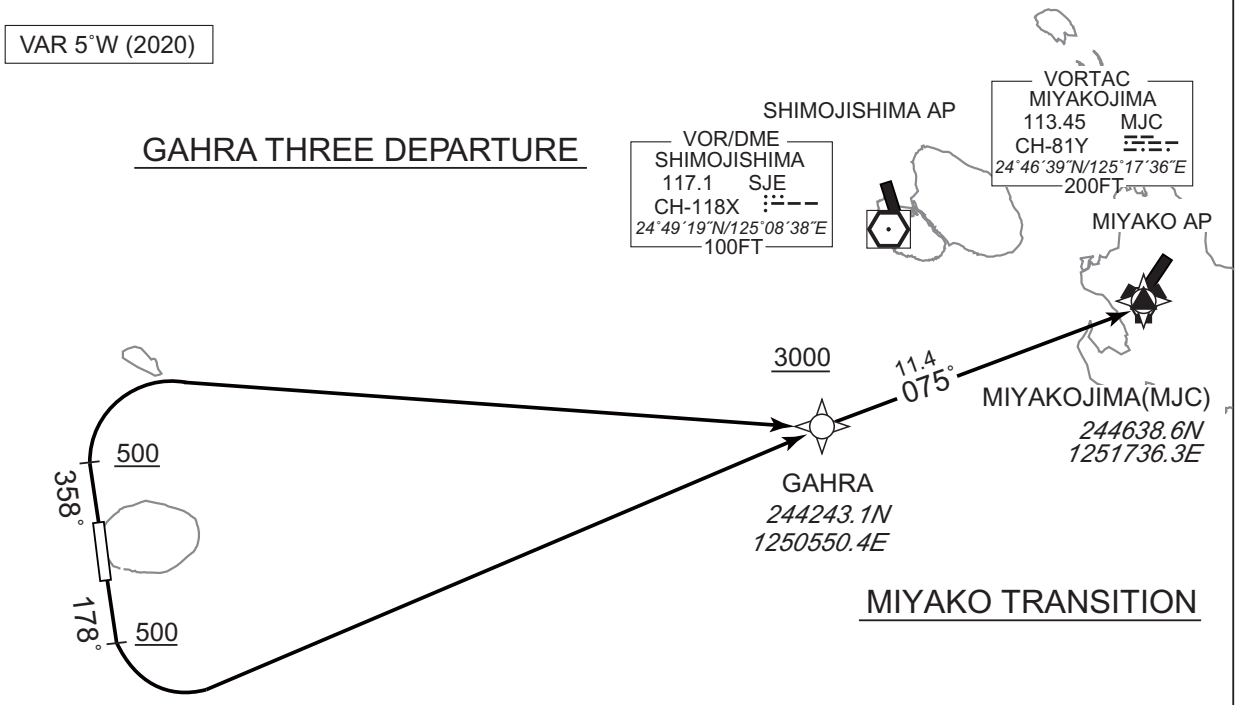
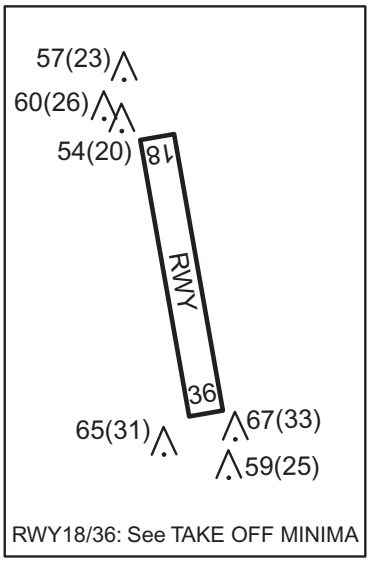
**STANDARD DEPARTURE CHART -INSTRUMENT**

RORT / TARAMA — RNAV SID and TRANSITION

| GAHRA THREE DEPARTURE<br>MIYAKO TRANSITION | RNP1 |
|---|---|

Note GNSS required.




CHANGE : Navigation Specification(Basic RNP1 → RNP1).

GAHRA THREE DEPARTURE

RWY18 : Climb on HDG178˚ at or above 500FT, turn left direct to GAHRA at or above 3000FT.
RWY36 : Climb on HDG358˚ at or above 500FT, turn right direct to GAHRA at or above 3000FT.

MIYAKO TRANSITION

From GAHRA at or above 3000FT, to MJC.

STANDARD DEPARTURE CHART -INSTRUMENT

RORT/ TARAMA RNAV SID and TRANSITION

## GAHRA THREE DEPARTURE

### RWY18

| 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 | - | - | 178 (172.8) | -4.9 | - | - | +500 | - | - | RNP1 |
| 002 | DF | GAHRA | - | - | -4.9 | - | L | +3000 | - | - | RNP1 |

### RWY36

| 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 | - | - | 358 (352.8) | -4.9 | - | - | +500 | - | - | RNP1 |
| 002 | DF | GAHRA | - | - | -4.9 | - | R | +3000 | - | - | RNP1 |

## MIYAKO TRANSITION

| 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 | IF | GAHRA | - | - | -4.9 | - | - | +3000 | - | - | RNP1 |
| 002 | TF | MJC | - | 075 (069.8) | -4.9 | 11.4 | - | - | - | - | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

**INSTRUMENT APPROACH CHART**

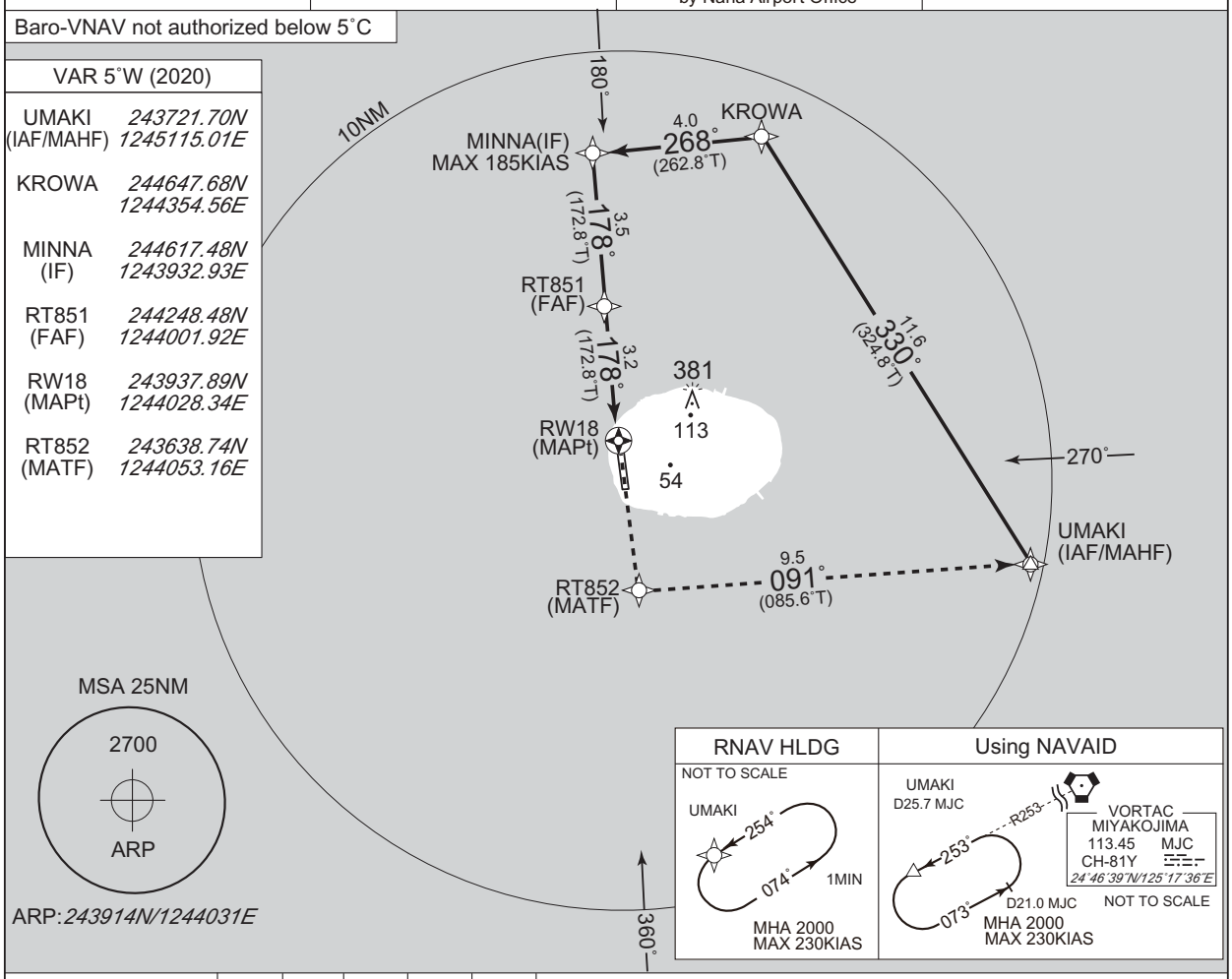
RORT / TARAMA — RNP RWY18

| SAKISHIMA APP | RNP APCH | TARAMA RADIO | RADAR AVBL |
|---|---|---|---|
| 125.0 –121.2 | | 118.6<br>AFIS provided by Naha Airport Office | |

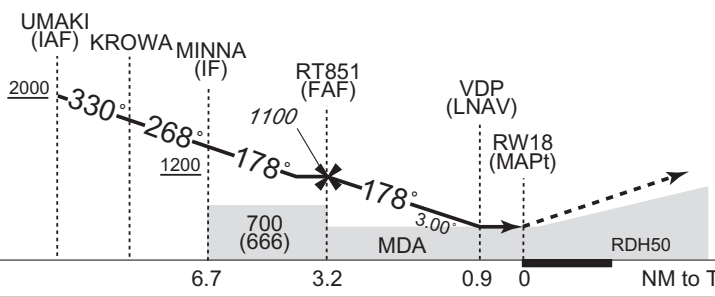
Baro-VNAV not authorized below 5˚C

VAR 5˚W (2020)

| | |
|---|---|
| UMAKI (IAF/MAHF) | *243721.70N 1245115.01E* |
| KROWA | *244647.68N 1244354.56E* |
| MINNA (IF) | *244617.48N 1243932.93E* |
| RT851 (FAF) | *244248.48N 1244001.92E* |
| RW18 (MAPt) | *243937.89N 1244028.34E* |
| RT852 (MATF) | *243638.74N 1244053.16E* |




| NM to Next Fix | FAF | 3 | 2 | 1 | MAPt |
|---|---|---|---|---|---|
| ALT(3.0˚ APCH Path) | 1100 | 1039 | 721 | 402 | – |




MISSED APPROACH

Direct to RT852, to UMAKI and hold at 2000FT.
Contact SAKISHIMA APP.

| MINIMA | THR elev.34 | | AD elev.34 | | | |
|---|---|---|---|---|---|---|
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 350(316) | 1500 | 350(316) | 1500 | 680(646) | 1600 |
| B | | | | | | |
| C | 360(326) | 1800 | 360(326) | 1800 | | 2400 |
| D | – | – | – | – | – | – |

CHANGE:PROC renamed. Requirement for RNP.

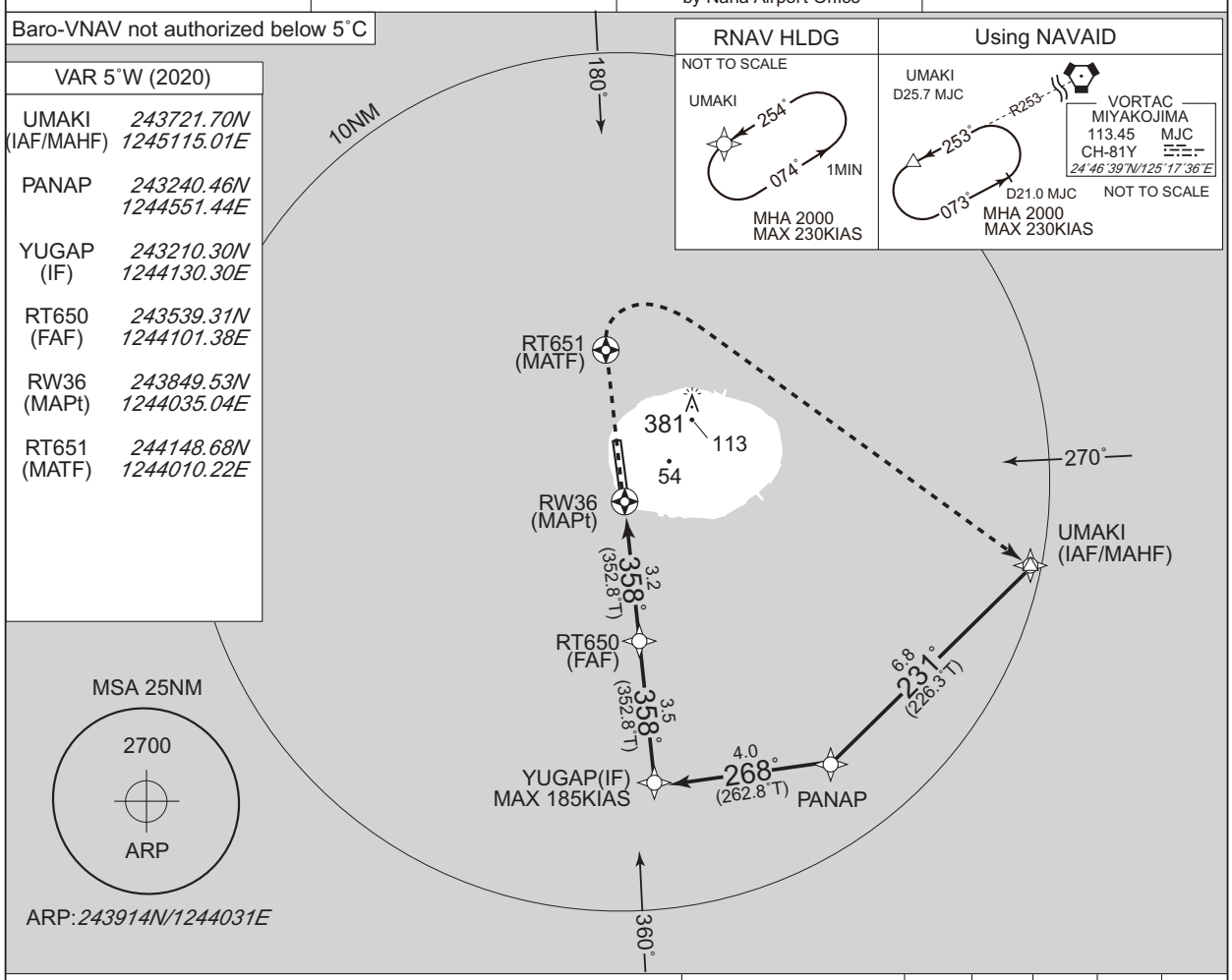
**INSTRUMENT APPROACH CHART**

RORT / TARAMA — RNP RWY36

| SAKISHIMA APP | RNP APCH | TARAMA RADIO | RADAR AVBL |
|---|---|---|---|
| 125.0 –121.2 | | 118.6<br>AFIS provided by Naha Airport Office | |

Baro-VNAV not authorized below 5˚C

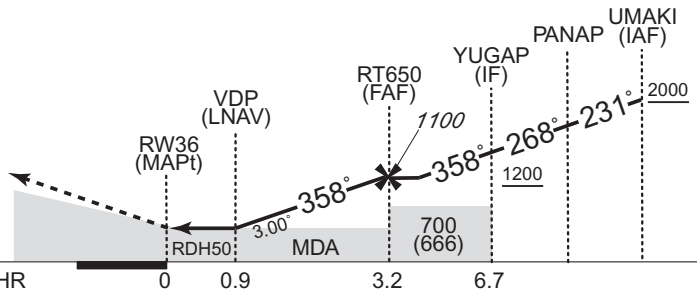
| VAR 5˚W (2020) | |
|---|---|
| UMAKI (IAF/MAHF) | *243721.70N 1245115.01E* |
| PANAP | *243240.46N 1244551.44E* |
| YUGAP (IF) | *243210.30N 1244130.30E* |
| RT650 (FAF) | *243539.31N 1244101.38E* |
| RW36 (MAPt) | *243849.53N 1244035.04E* |
| RT651 (MATF) | *244148.68N 1244010.22E* |




| NM to Next Fix | MAPt | 1 | 2 | 3 | FAF |
|---|---|---|---|---|---|
| ALT(3.0˚ APCH Path) | – | 404 | 722 | 1041 | 1100 |

MISSED APPROACH

Direct to RT651, turn right direct to UMAKI and hold at 2000FT.
Contact SAKISHIMA APP.




Missed APCH climb gradient MNM 5.0%

MINIMA THR elev.36 AD elev.34

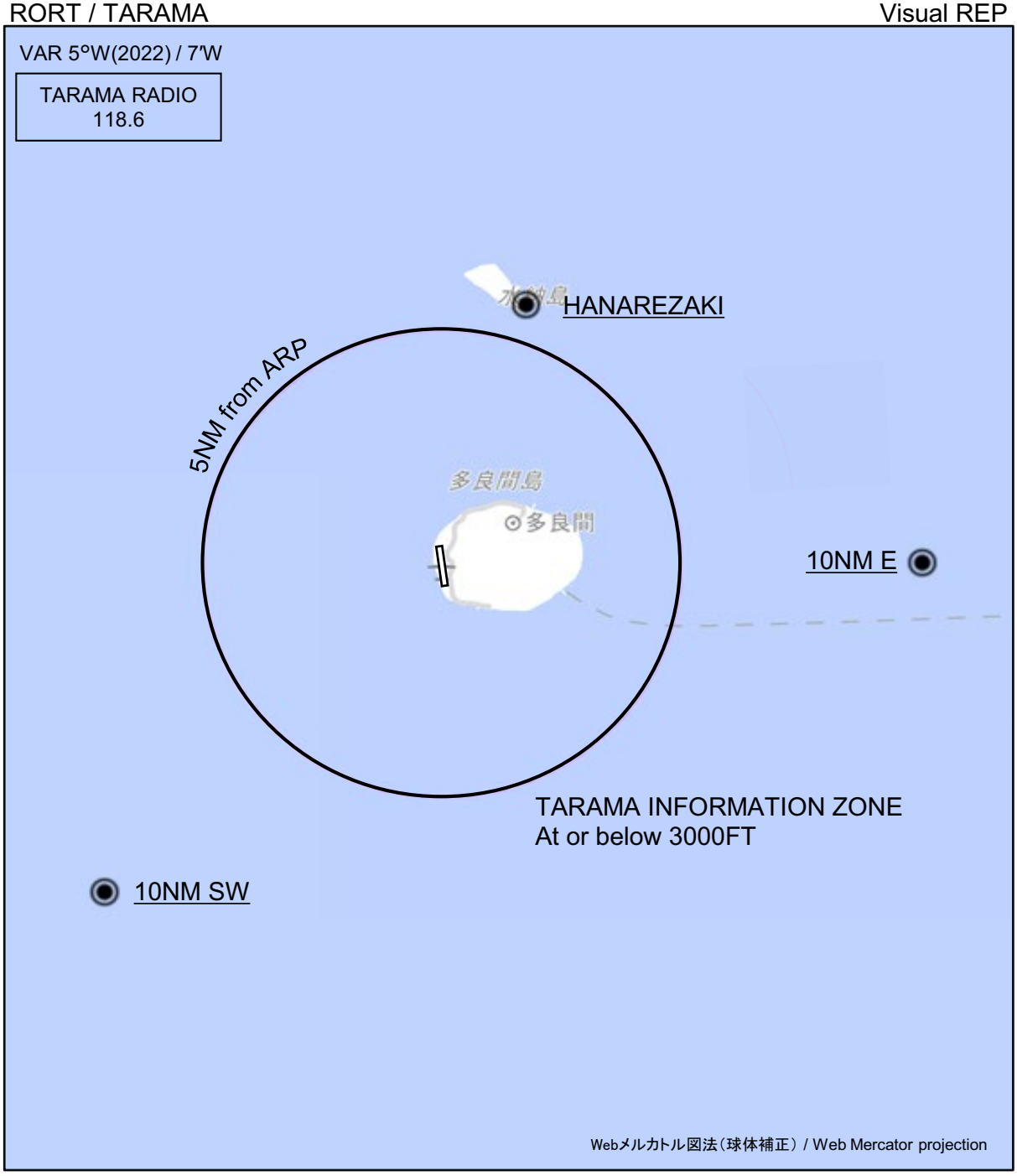
| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
|---|---|---|---|---|---|---|
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 340(304) | 1500 | 340(306) | 1500 | 680(646) | 1600 |
| B | | | | | | |
| C | 360(324) | 1800 | 360(326) | 1800 | | 2400 |
| D | – | – | – | – | – | – |

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

CHANGE:PROC renamed. Requirement for RNP.

RORT / TARAMA

Visual REP

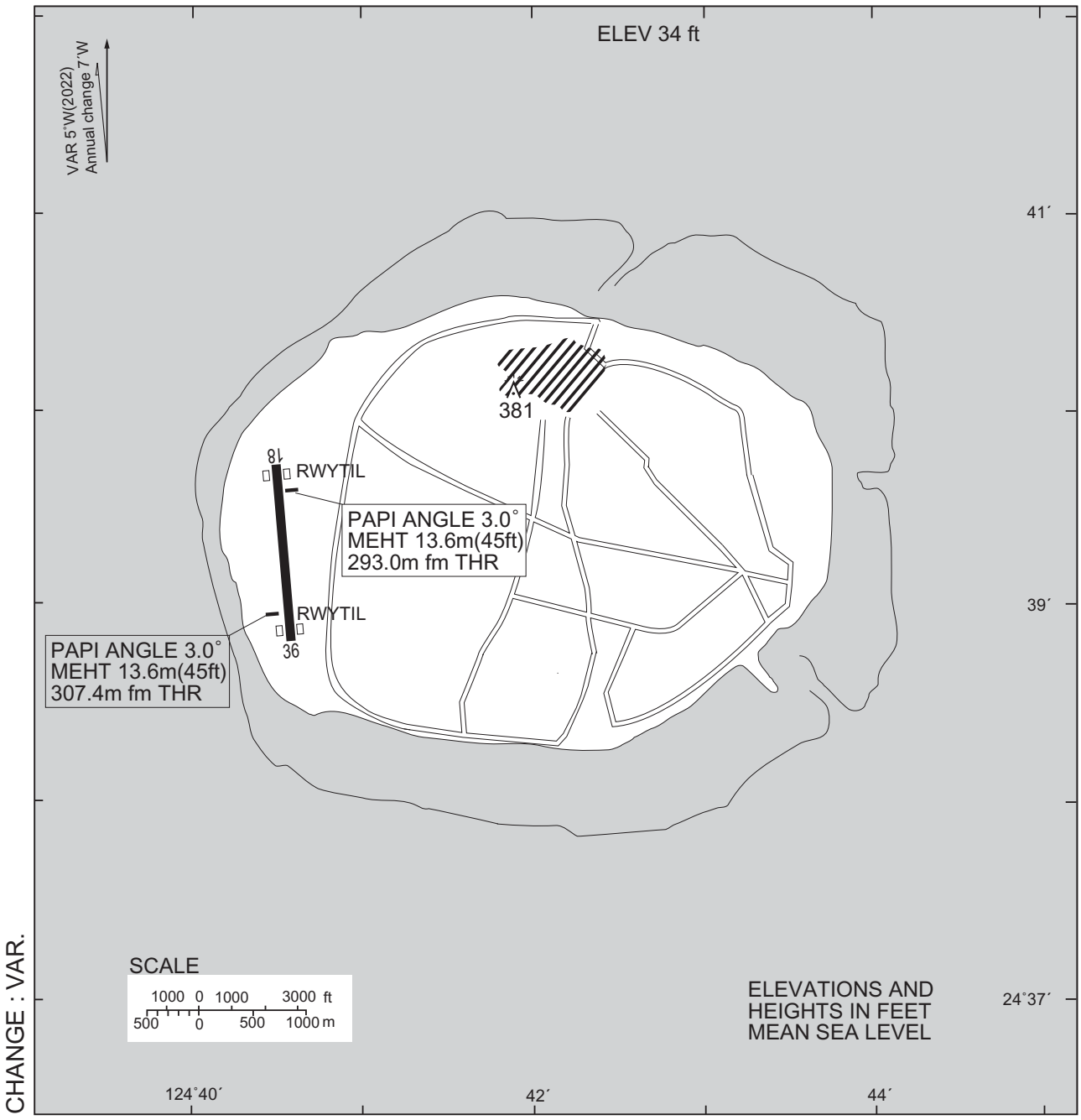



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

| Call sign | BRG / DIST from ARP | Remarks |
|---|---|---|
| ハナレ崎<br>Hanarezaki | 017°T / 5.8NM | 岬<br>Cape |
| 10NM E | 090°T / 10.0NM | 海上<br>Over the sea |
| 10NM SW | 225°T / 10.0NM | 海上<br>Over the sea |

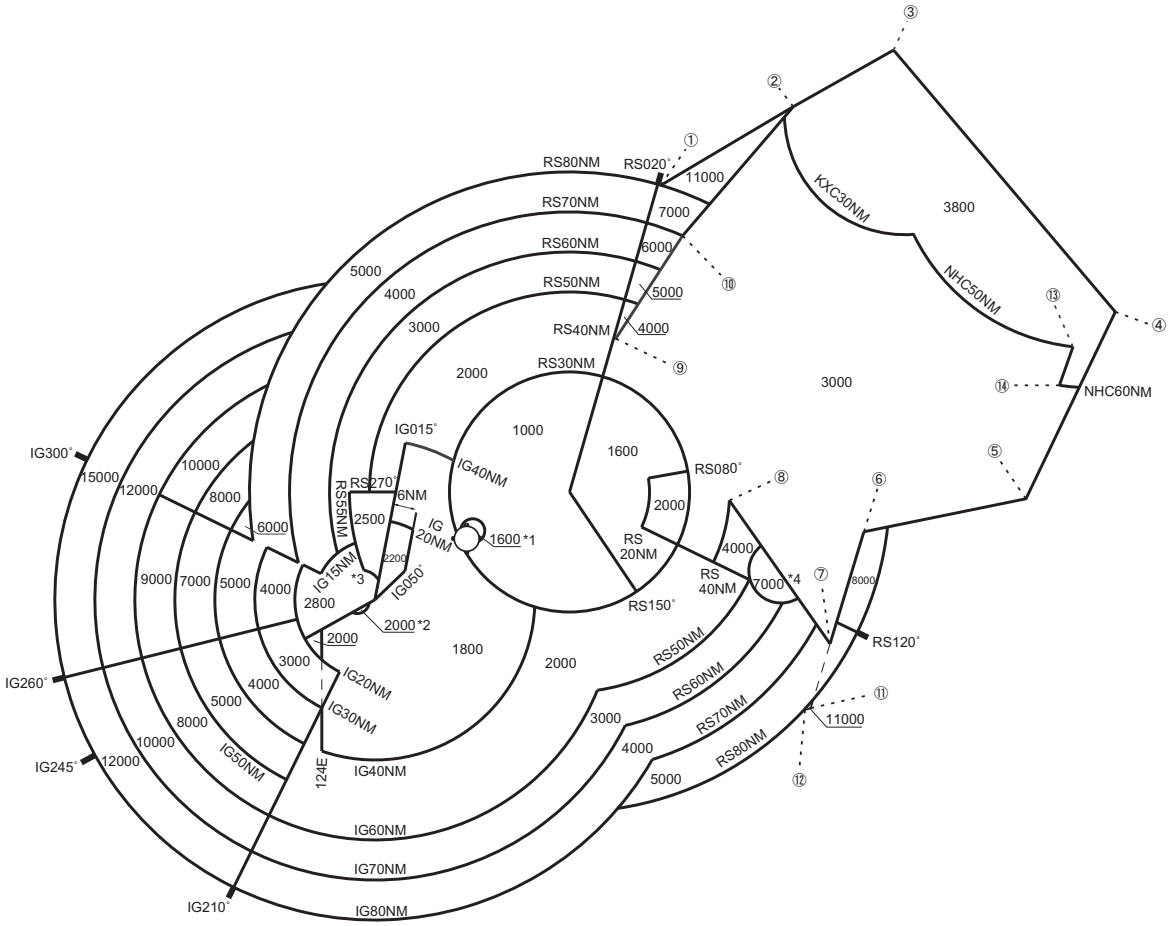
RORT / TARAMA LDG CHART



RORT / TARAMA

Minimum Vectoring Altitude CHART

VAR 5˚W (2022)




①260606N/1253511E
②262504N/1261226E
③263831N/1264046E
④253118N/1273951E
⑤244518N/1271337E
⑥243809N/1262857E
⑦241018N/1261859E
⑧244643N/1255220E
⑨252751N/1252151E
⑩255321N/1254054E
⑪235438N/1261324E
⑫235414N/1261156E
⑬252316N/1272802E
⑭251400N/1272404E

CENTER : *244938N/1250827E* (RORS RADAR SITE)
CENTER : *242310N/1241441E* (ROIG RADAR SITE)

*1 : *244015N/1244143E* RADIUS : 3NM
*2 : *242248N/1240952E* RADIUS : 3NM
*3 : *242538N/1241100E* RADIUS : 5NM
*4 : *242850N/1260600E* RADIUS : 8NM

CHANGE : VAR.

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