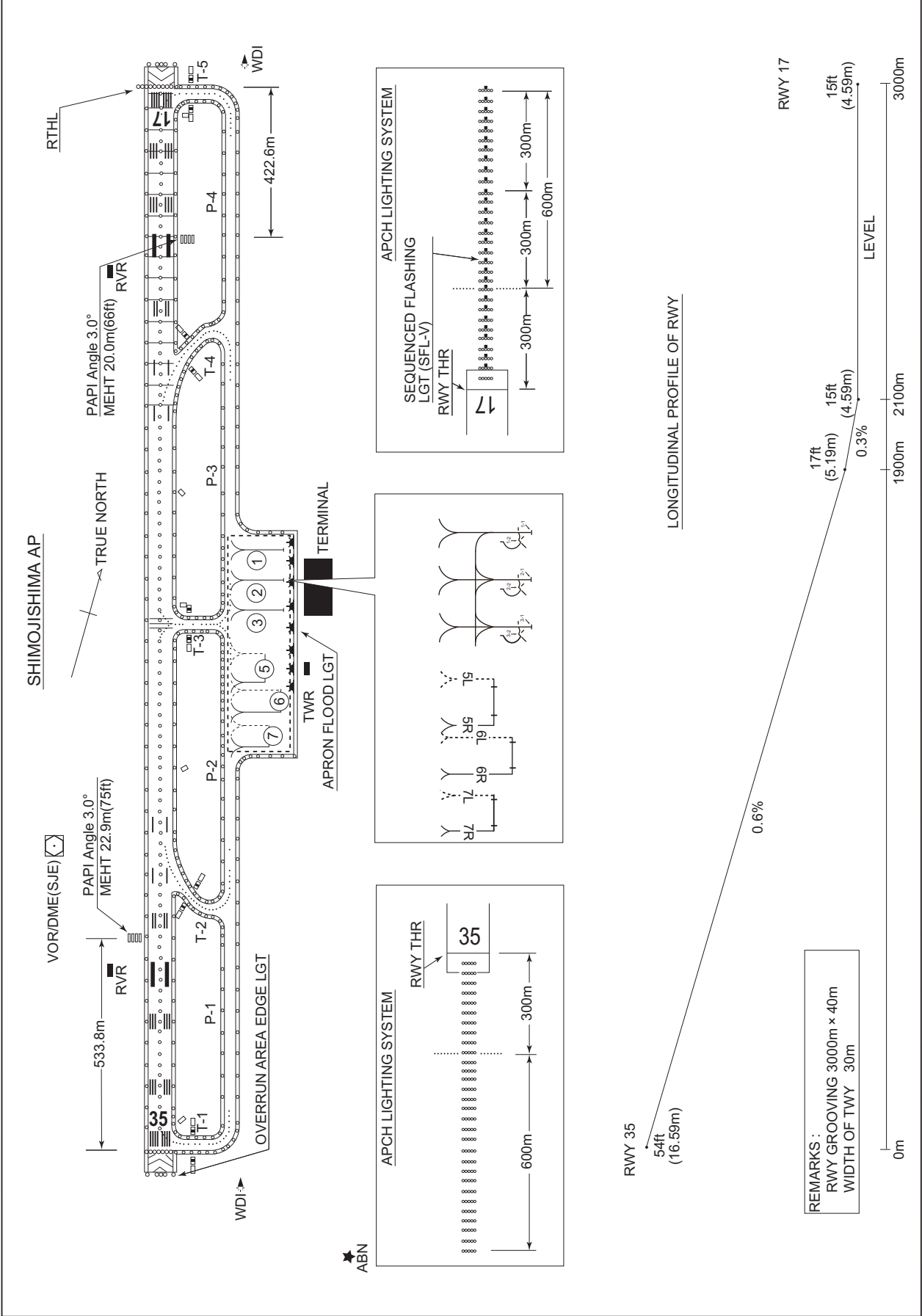


RORS / SHIMOJISHIMA

AD CHART

CHANGE : PAPI for RWY35 relocated.



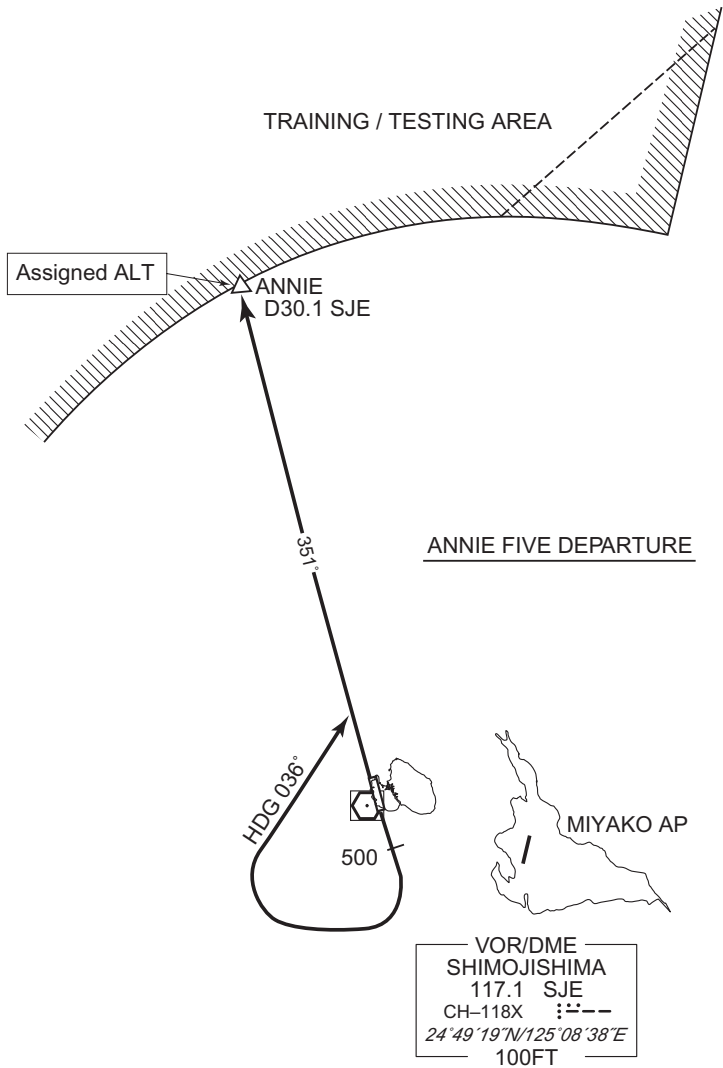
STANDARD DEPARTURE CHART - INSTRUMENT

RORS / SHIMOJISHIMA

SID

ANNIE FIVE DEPARTURE

RWY17 : Climb RWY HDG to 500FT, turn right HDG036° to intercept and proceed ...
RWY35 : Climb ...
... via SJE R351 to ANNIE.
Cross ANNIE at assigned altitude.
Note RWY17 : 5.0% climb gradient required up to 500FT.
OBST ALT 93FT located at 0.2NM 161° FM end of RWY17.



CHANGE : PROC renamed. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RORS / SHIMOJISHIMA

SID

BETTY FIVE DEPARTURE

RWY17 : Climb RWY HDG to 500FT ...

RWY35 : Climb RWY HDG to 500FT, turn left HDG 126° to intercept and proceed ...

... via SJE R171 to BETTY.

Cross BETTY at assigned altitude.

Note RWY17 : 5.0% climb gradient required up to 500FT.

OBST ALT 93FT located at 0.2NM 161° FM end of RWY17.



CHANGE : PROC renamed. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RORS / SHIMOJISHIMA

SID

MIYAKOJIMA FOUR DEPARTURE

RWY17 : Climb RWY HDG to 500FT, turn left,...

RWY35 : Climb RWY HDG to 500FT, turn right,...

...direct to MJC VORTAC. Cross MJC VORTAC at or above 3000FT.

Note RWY17 : 5.0% climb gradient required up to 500FT.

OBST ALT 93FT located at 0.2NM 161° FM end of RWY17.

MIYAKOJIMA FOUR DEPARTURE



CHANGE : PROC renamed. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

RORS / SHIMOJISHIMA

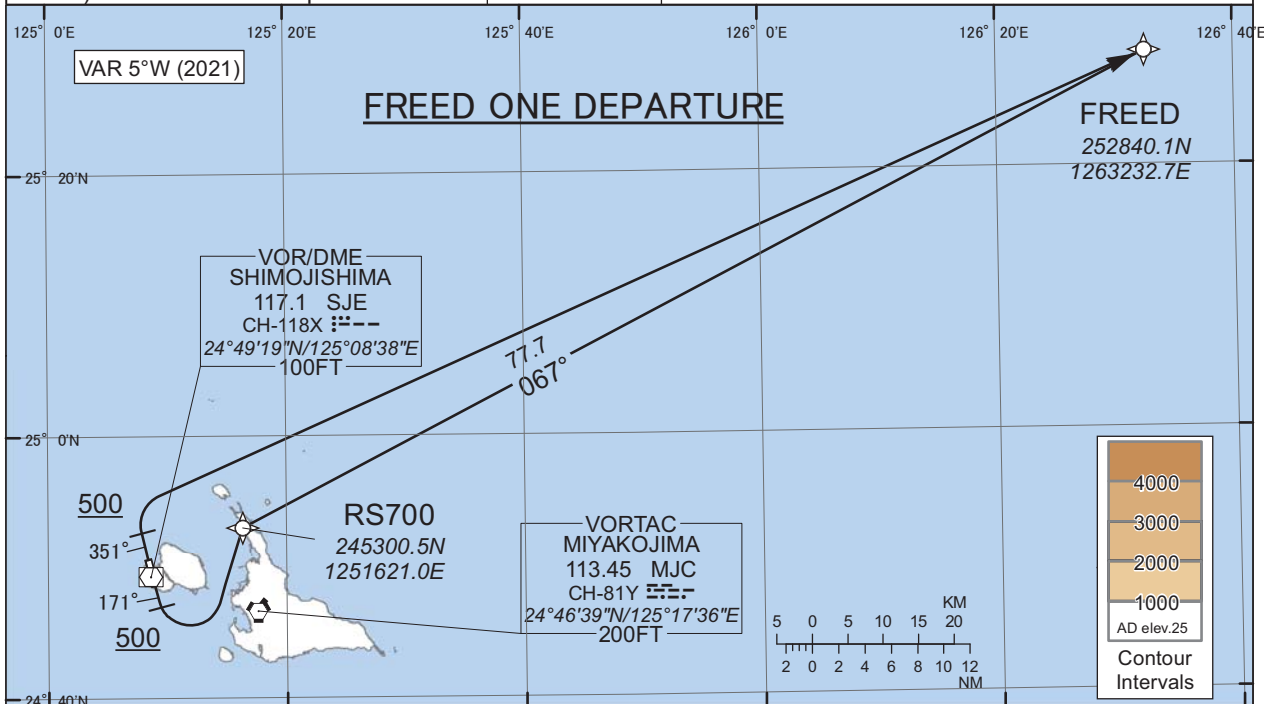
RNAV SID

FREED ONE DEPARTURE

RNAV1

Note 1) DME/DME/IRU or GNSS required.
 ※ The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.
 2) RADAR service required.

| | |
|-----------------------|---|
| Critical DME | RWY17/35 KXC : 9.2NM to FREED - FREED |
| DME GAP | RWY17/35 : DER - 9.2NM to FREED |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |



FREED ONE DEPARTURE

RWY17 : Climb on HDG171° at or above 500FT, turn left direct to RS700, to FREED.
 RWY35 : Climb on HDG351° at or above 500FT, turn right direct to FREED.

Note RWY17 : 5.0% climb gradient required up to 500FT.
 OBST ALT 93FT located at 0.2NM 161° FM end of RWY17.

RWY17

| 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 | - | - | 171 (166.1) | -5.1 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | RS700 | - | - | -5.1 | - | L | - | - | - | RNAV1 |
| 003 | TF | FREED | - | 067 (062.4) | -5.1 | 77.7 | - | - | - | - | RNAV1 |

RWY35

| 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 | - | - | 351 (346.1) | -5.1 | - | - | +500 | - | - | RNAV1 |
| 002 | DF | FREED | - | - | -5.1 | - | R | - | - | - | RNAV1 |

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RORS / SHIMOJISHIMA

STAR

ANNIE ARRIVAL

From over ANNIE, proceed via SJE R351 to DIANA.
Cross DIANA at or above 1600FT.



STANDARD ARRIVAL CHART - INSTRUMENT

RORS / SHIMOJISHIMA

STAR

BETTY ARRIVAL

From over BETTY, proceed via MJC R184 to intercept and proceed via SJE R169 to CHIMI.

Cross CHIMI at or above 1600FT.



INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

ILS Z or LOC Z RWY17



CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.



Missed APCH climb gradient MNM 3.0%

| MINIMA | | THR elev. 15 | | AD elev. 25 | | |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 240 (225) | 600 | 460 (445) | 900 | 510 (485) | 1600 |
| B | | | | 1000 | | |
| C | | | | | | |
| D | | | | 1400 | 580 (555) | 3200 |

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

INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

ILS Y or LOC Y RWY17



Turn initiation within D11.0 SJE



MISSED APPROACH

Climb to 2000FT on HDG170°,
turn right, direct to SJE
VOR/DME and hold.
Contact SAKISHIMA APP.

Timing not authorized for defining
the MAPt.

Missed APCH climb gradient MNM 3.0%

| MINIMA | | THR elev. 15 | | AD elev. 25 | | |
|--------|-----------|--------------|-----------|-------------|-----------|-----------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 240 (225) | 600 | 460 (445) | 900 | 510 (485) | 1600 |
| B | | | | 1000 | | |
| C | | | | | 1400 | 580 (555) |
| D | | | | 3200 | | |

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

CHANGE : Call sign (REMOTE→RADIO), AFIS unit added.

INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

VOR RWY17



CHANGE : Call sign (REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

VOR RWY35

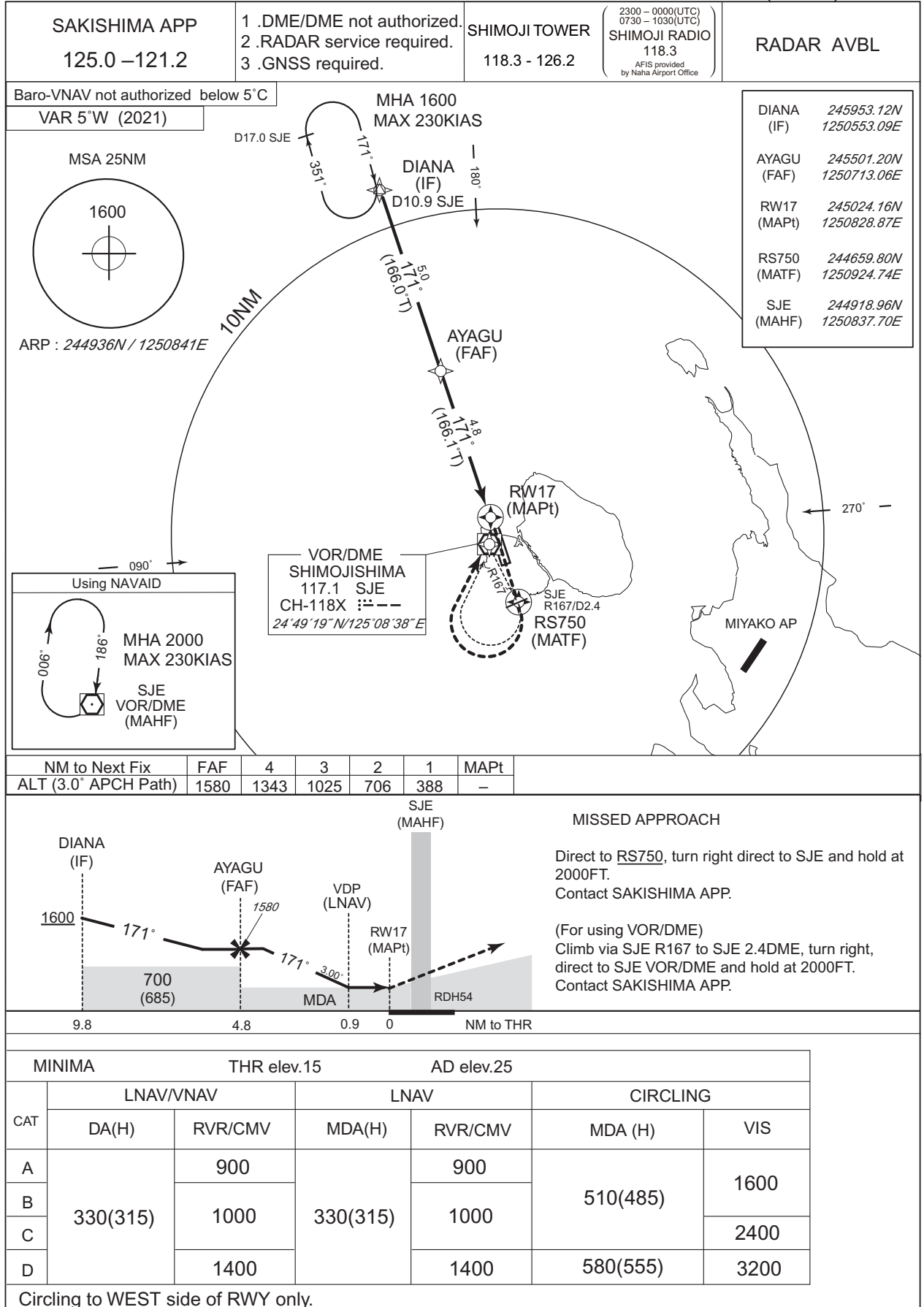


CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

RNAV(GNSS) RWY17

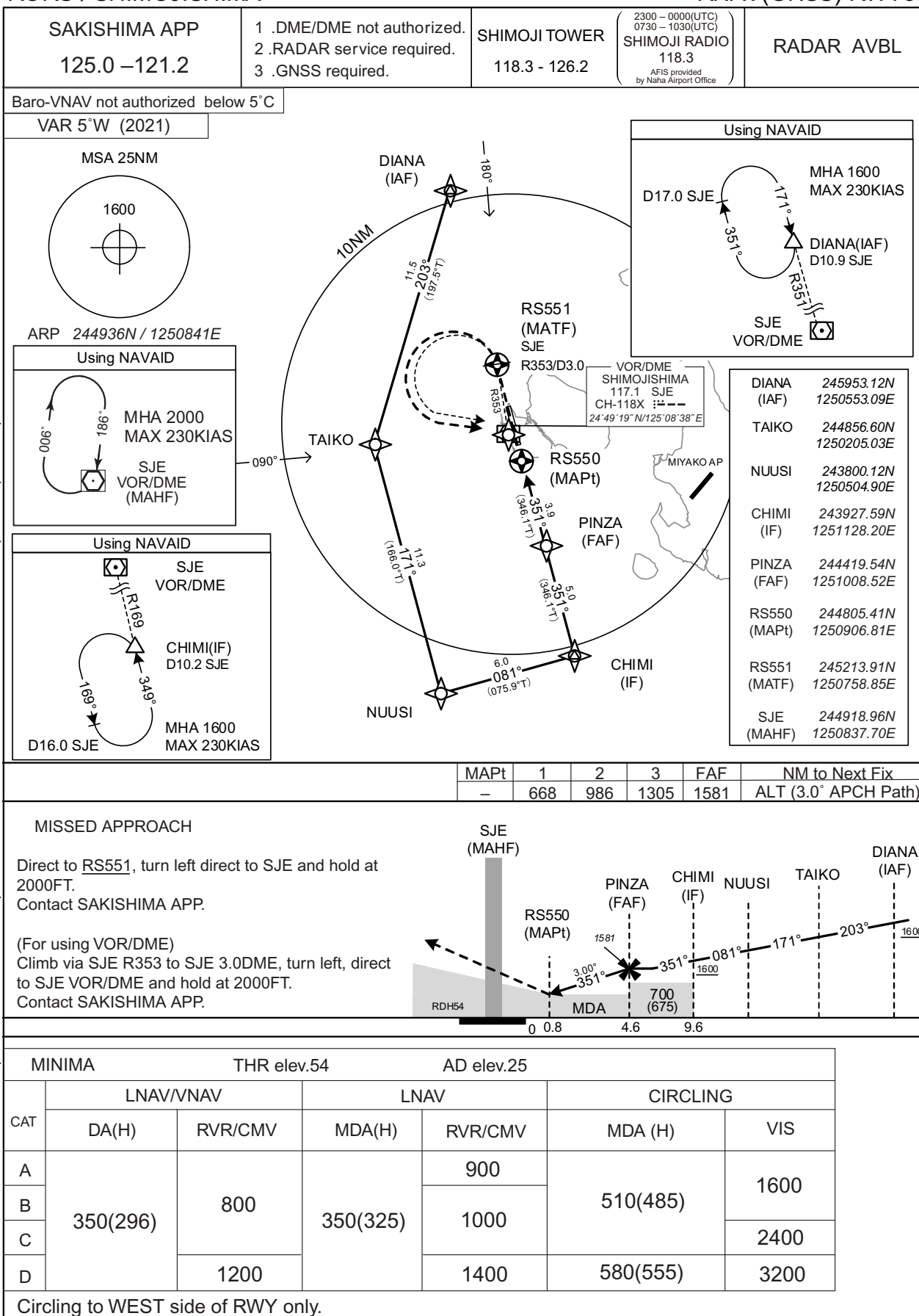


CHANGE : VAR.

INSTRUMENT APPROACH CHART

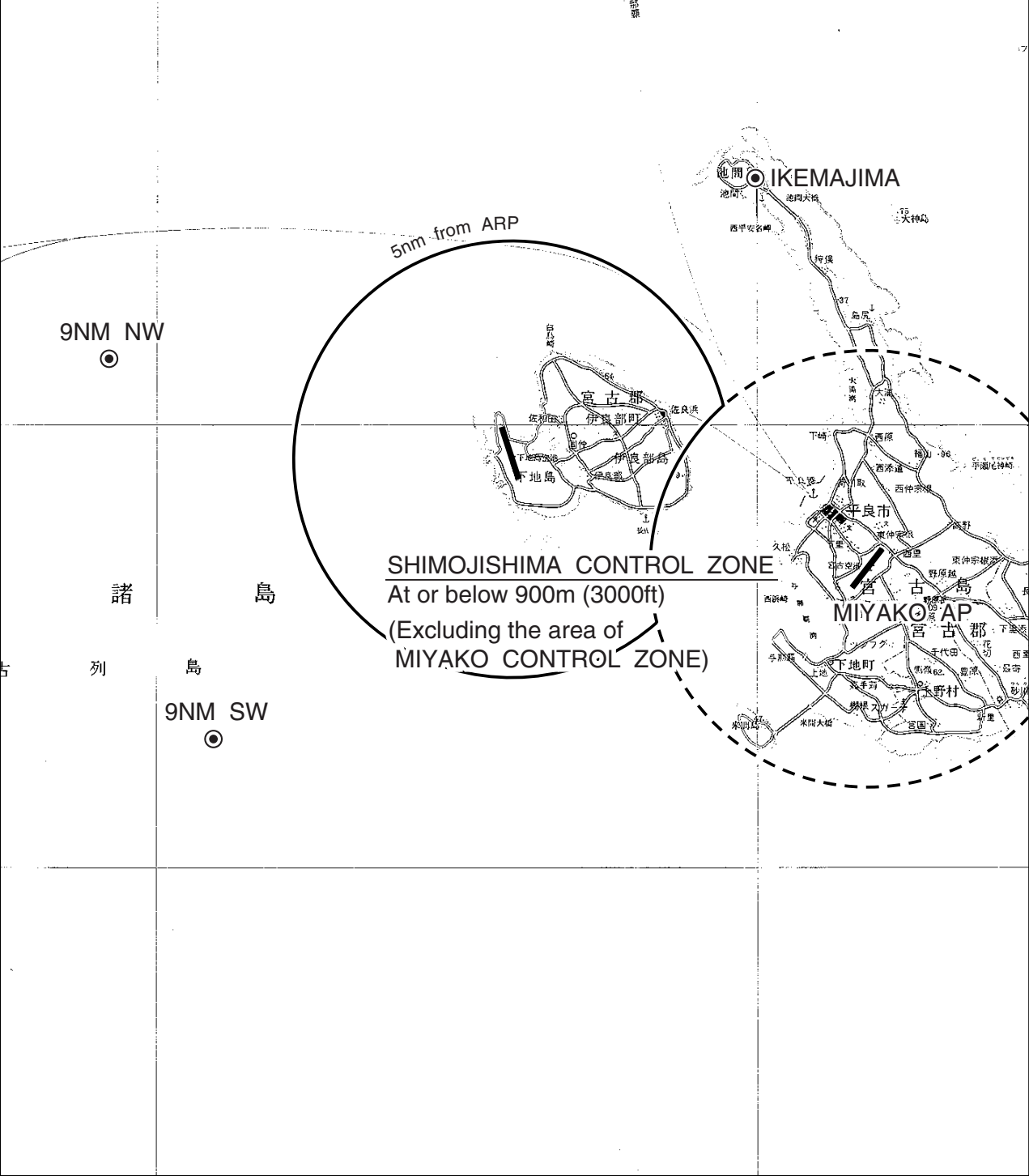
RORS / SHIMOJISHIMA

RNAV(GNSS) RWY35



CHANGE : VAR. PROC course(FM DIANA to CHIMI) added. TAIKO, NUUSI established. HLDG pattern(DIANA) established.

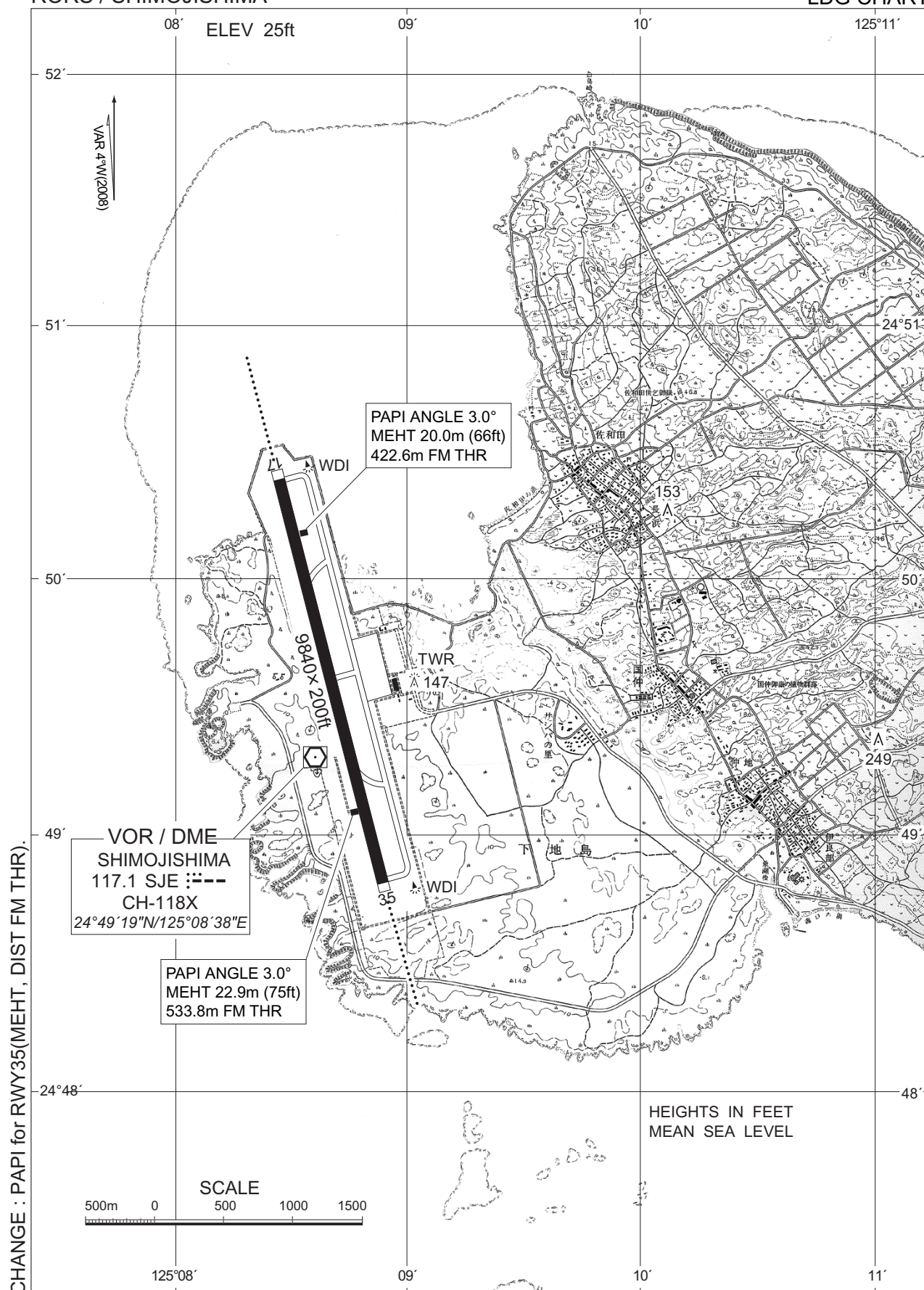
RORS SHIMOJISHIMA Visual REP



| Call sign | BRG / DIST from ARP | Remarks |
|------------------|---------------------|--------------------|
| 池間島 Ikemajima | 045° / 9NM | 島 Island |
| 9NM NW | 290° / 9NM | 海上 Over the sea |
| 9NM SW | 230° / 9NM | 海上 Over the sea |

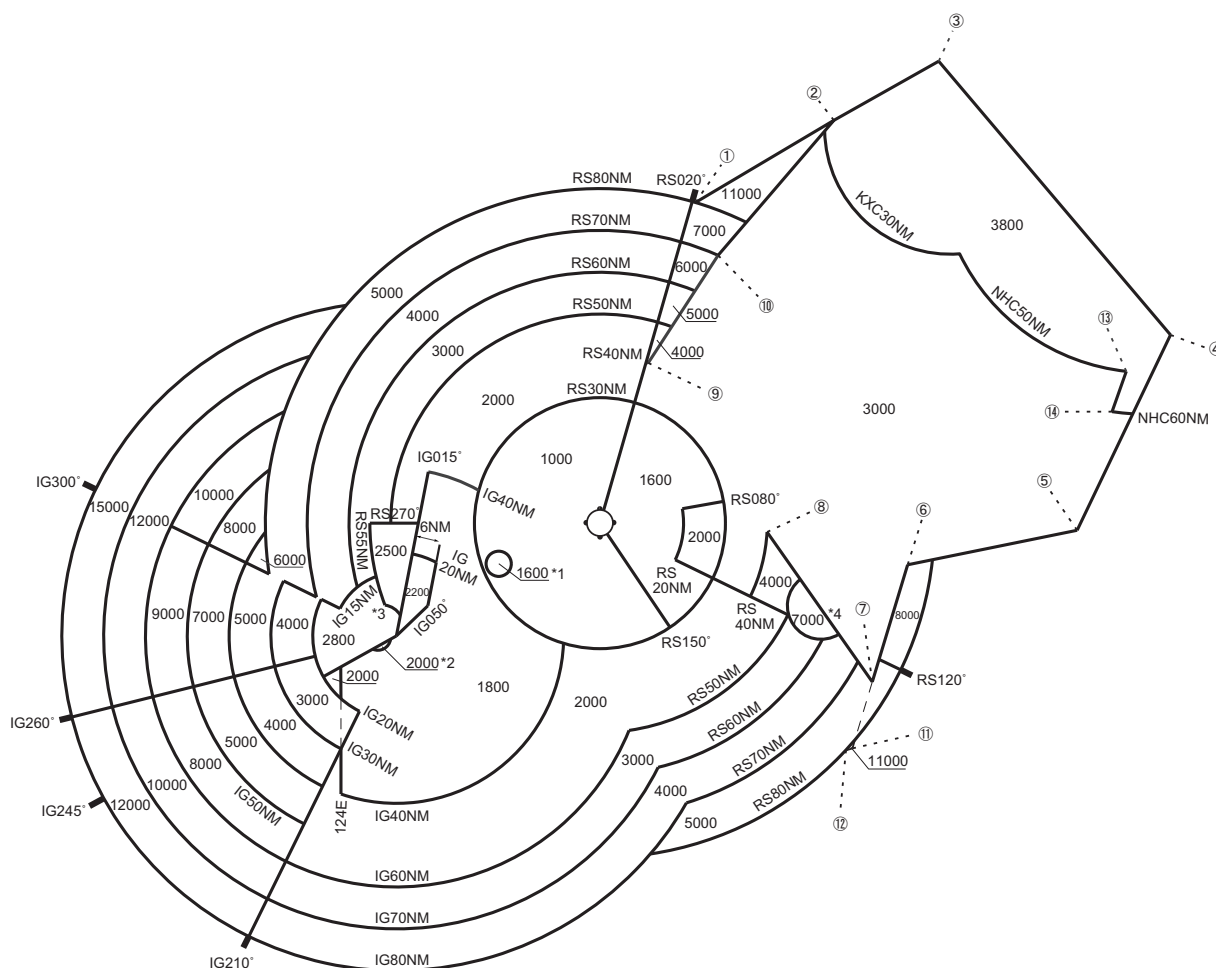
RORS / SHIMOJISHIMA

LDG CHART



Minimum Vectoring Altitude CHART

CHANGE : Update(BTN RS020° and RS150°).



- ① 260606N/1253511E
- ② 262504N/1261226E
- ③ 263831N/1264046E
- ④ 253118N/1273951E
- ⑤ 244518N/1271337E
- ⑥ 243809N/126857E
- ⑦ 241018N/1261859E
- ⑧ 244643N/1255220E
- ⑨ 252751N/1252151E
- ⑩ 255321N/1254054E
- ⑪ 235438N/1261324E
- ⑫ 235414N/1261156E
- ⑬ 252316N/1272802E
- ⑭ 251400N/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