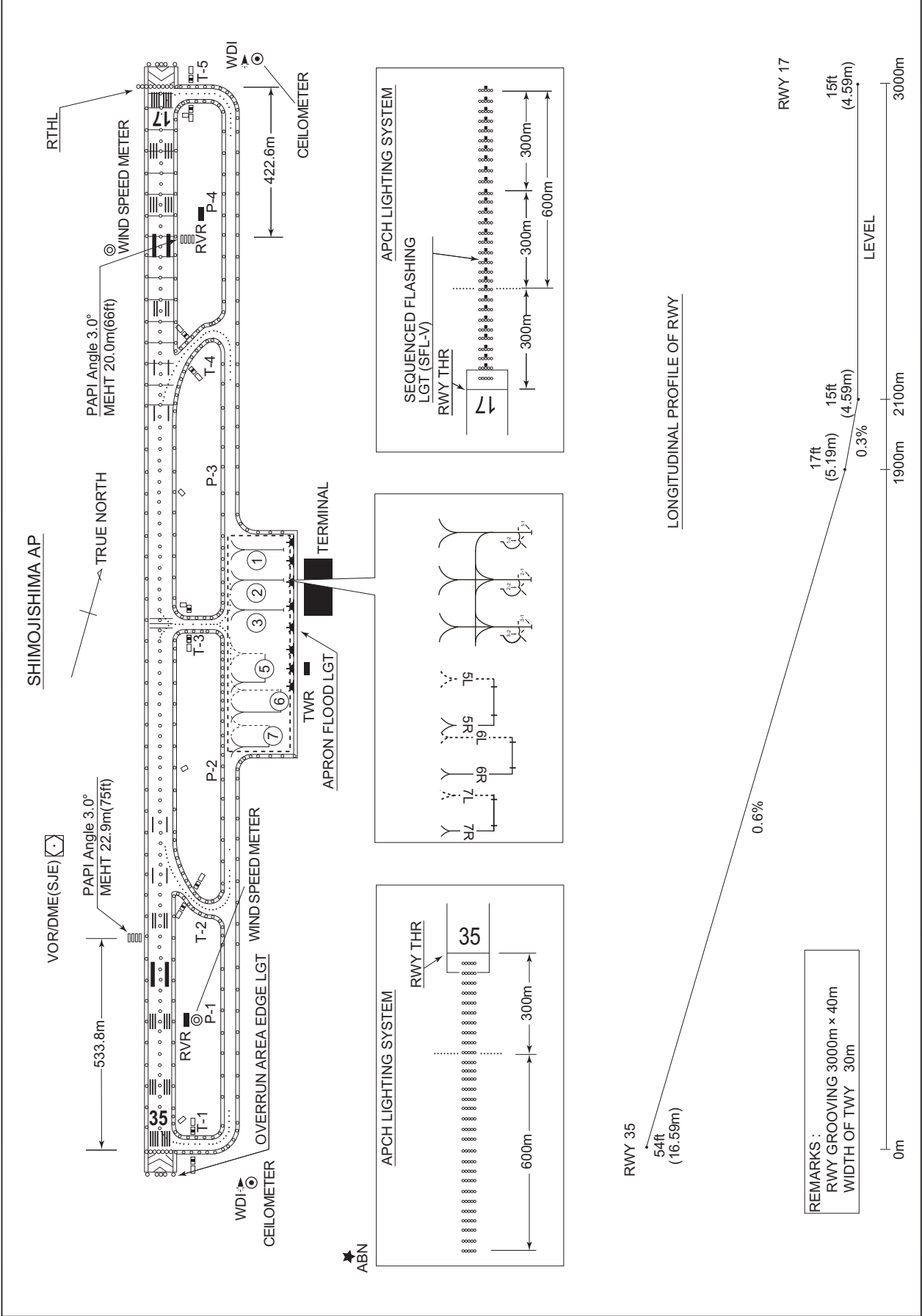


RORS / SHIMOJISHIMA

AD CHART

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



STANDARD DEPARTURE CHART - INSTRUMENT

RORS / SHIMOJISHIMA

SID

ANNIE FIVE DEPARTURE

RWY17 : Climb RWY HDG to 500FT, turn right HDG036° to intercept and proceed ...

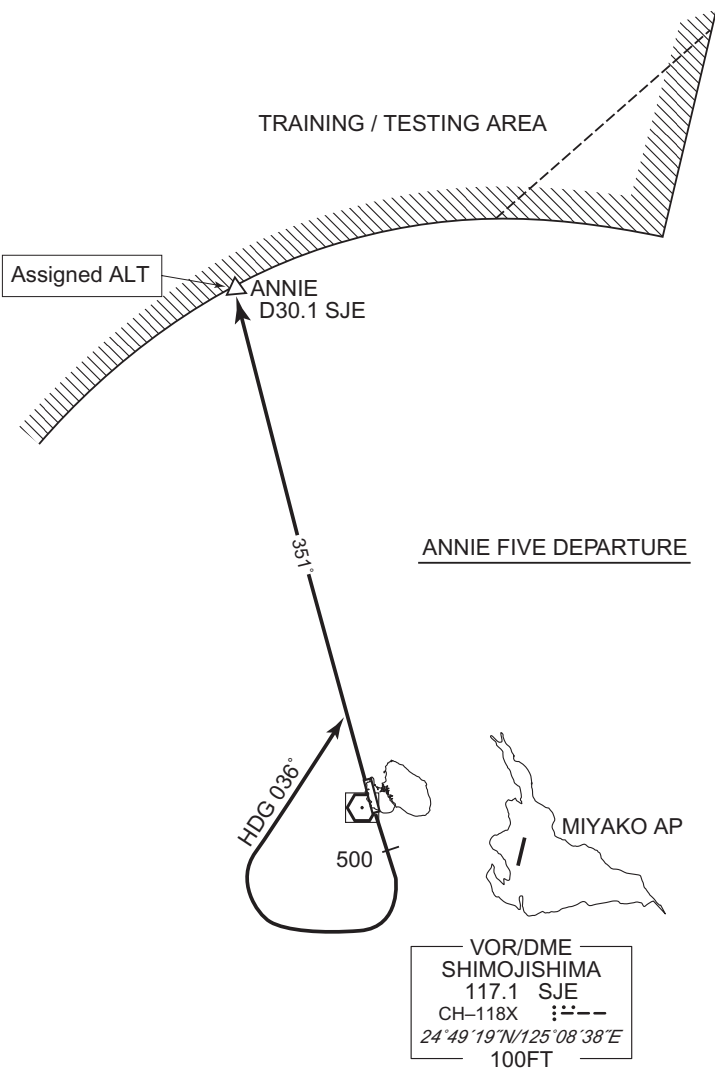
RWY35 : Climb ...

... 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,...

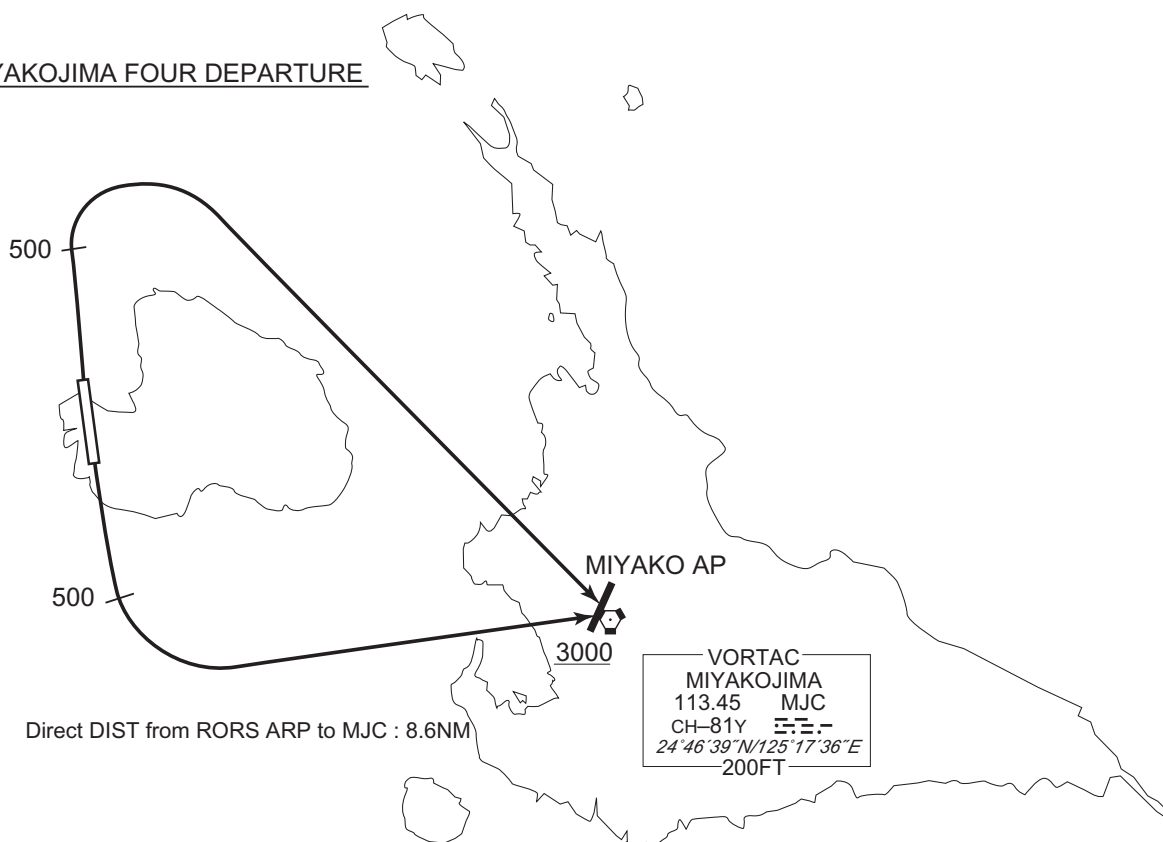
RWY35 : Climb RWY HDG to 500FT, turn right,...

...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

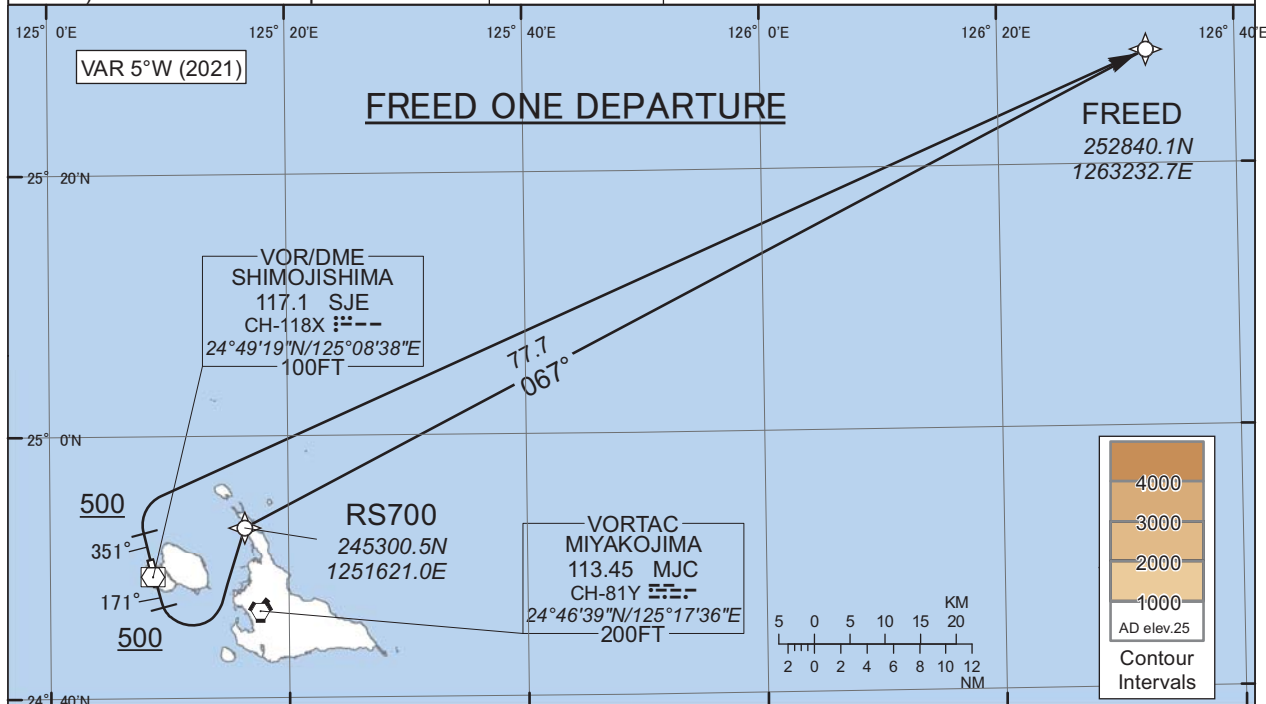
## RNAV SID

## 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.

△ ANNIE  
D30.1 SJE

171°

ANNIE ARRIVAL

DIANA  
D10.9 SJE

△ 1600

SJE R351

VOR/DME  
SHIMOJISHIMA  
117.1 SJE  
CH-118X  
24°49'19"N/125°08'38"E  
100FT

## 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.



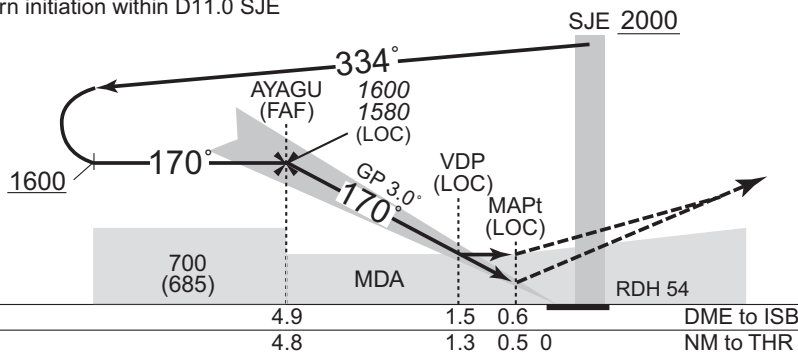
## INSTRUMENT APPROACH CHART

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

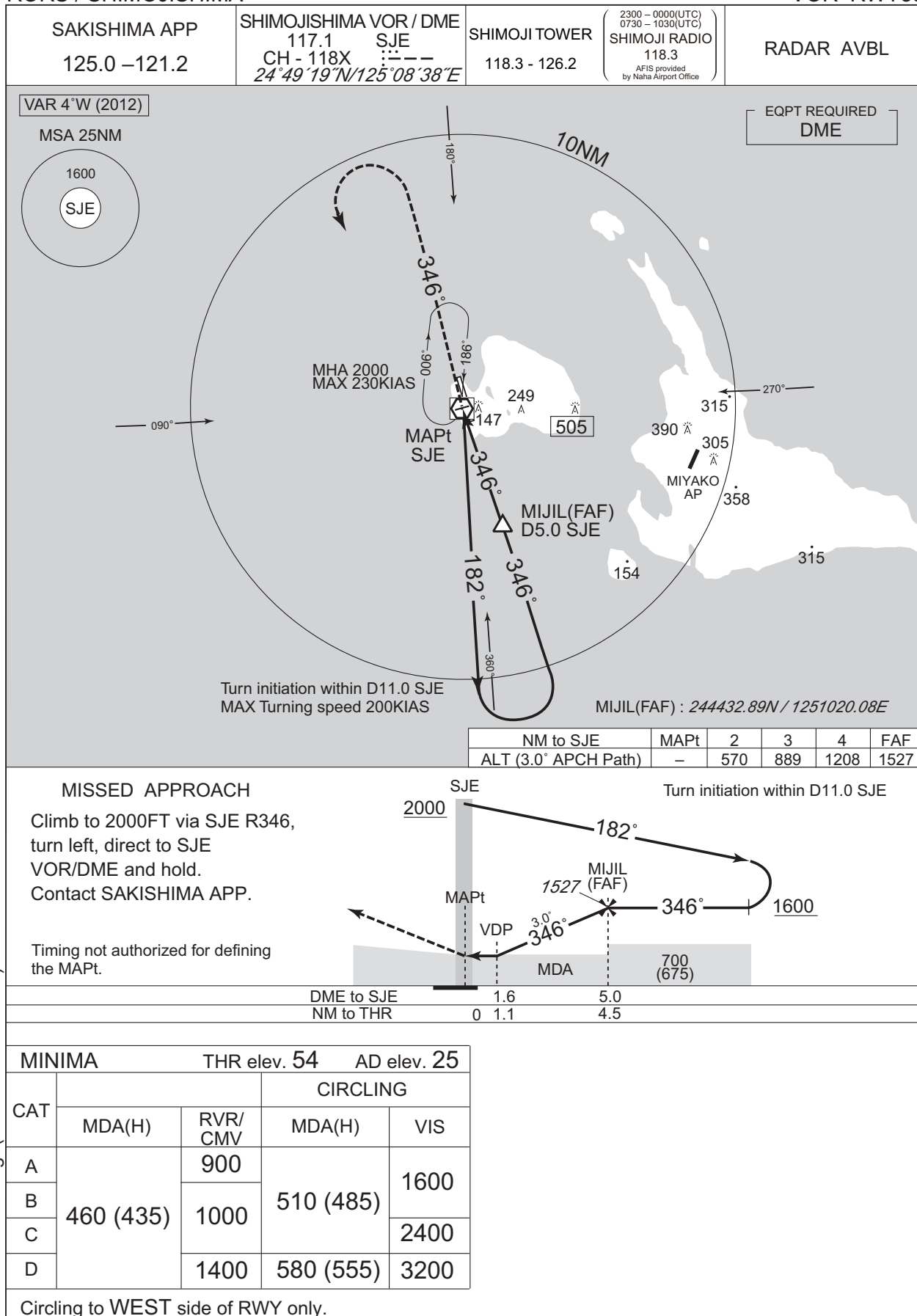


CHANGE : Call sign (REMOTE→RADIO). AFIS unit added.

## INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

VOR RWY35

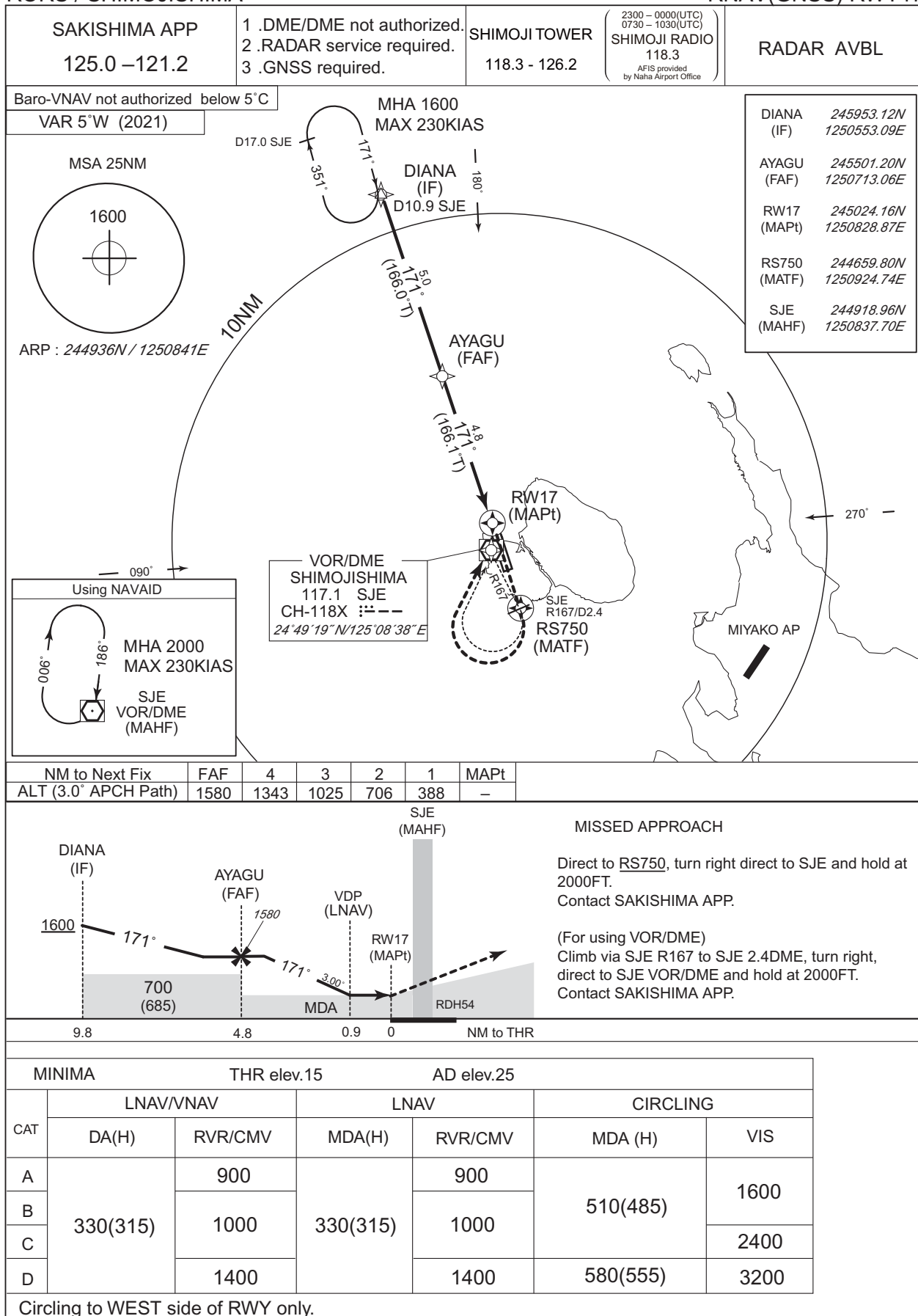


CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

RORS / SHIMOJISHIMA

RNAV(GNSS) RWY17

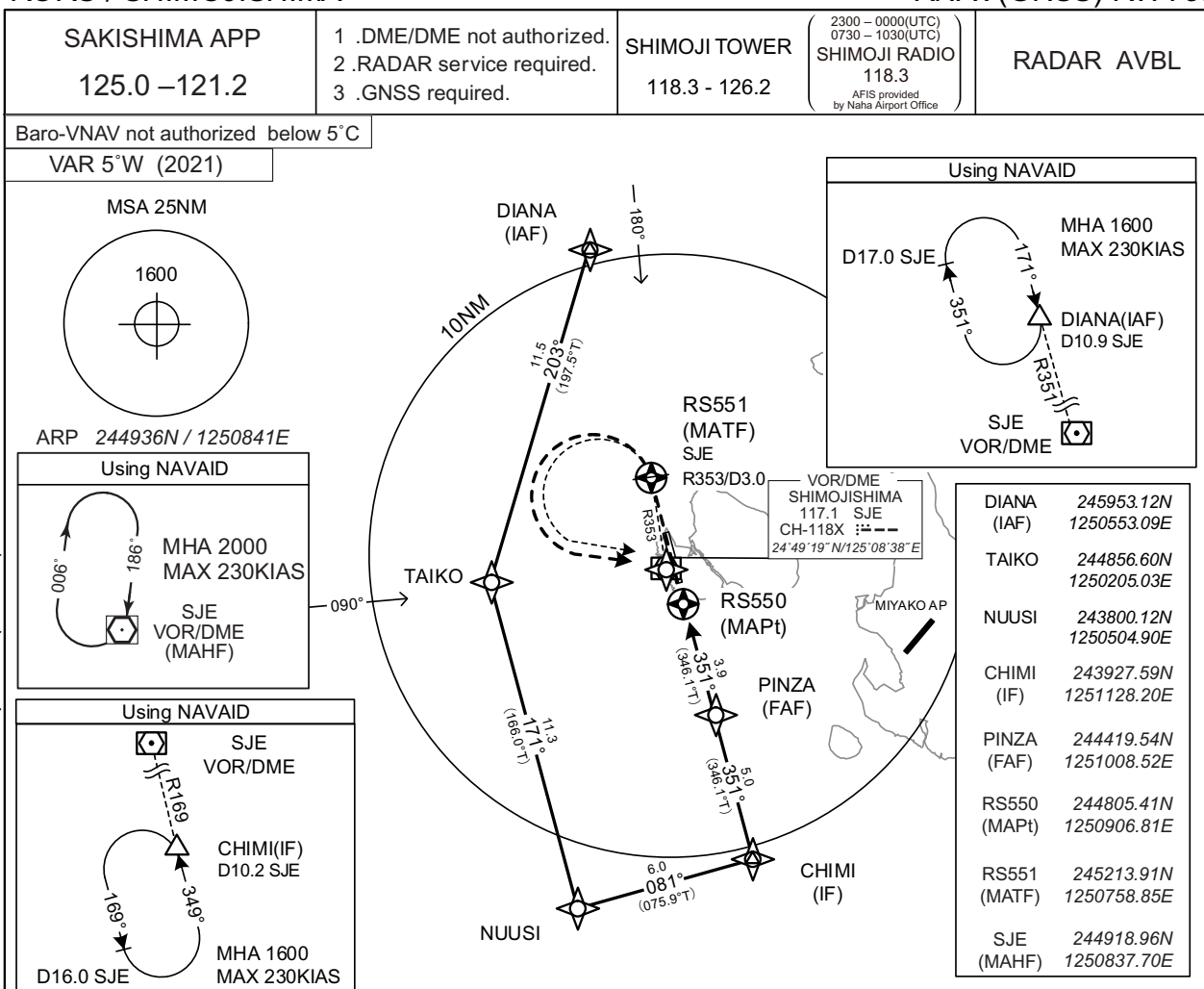


CHANGE : VAR.

## INSTRUMENT APPROACH CHART

## RORS / SHIMOJISHIMA

## RNAV(GNSS) RWY35

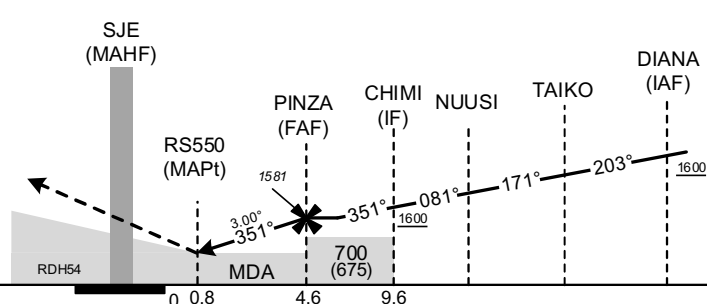


MAPt	1	2	3	FAF	NM to Next Fix
—	668	986	1305	1581	ALT (3.0° APCH Path)

## MISSED APPROACH

Direct to RS551, turn left direct to SJE and hold at 2000FT.  
 Contact SAKISHIMA APP.

(For using VOR/DME)  
 Climb via SJE R353 to SJE 3.0DME, turn left, direct to SJE VOR/DME and hold at 2000FT.  
 Contact SAKISHIMA APP.

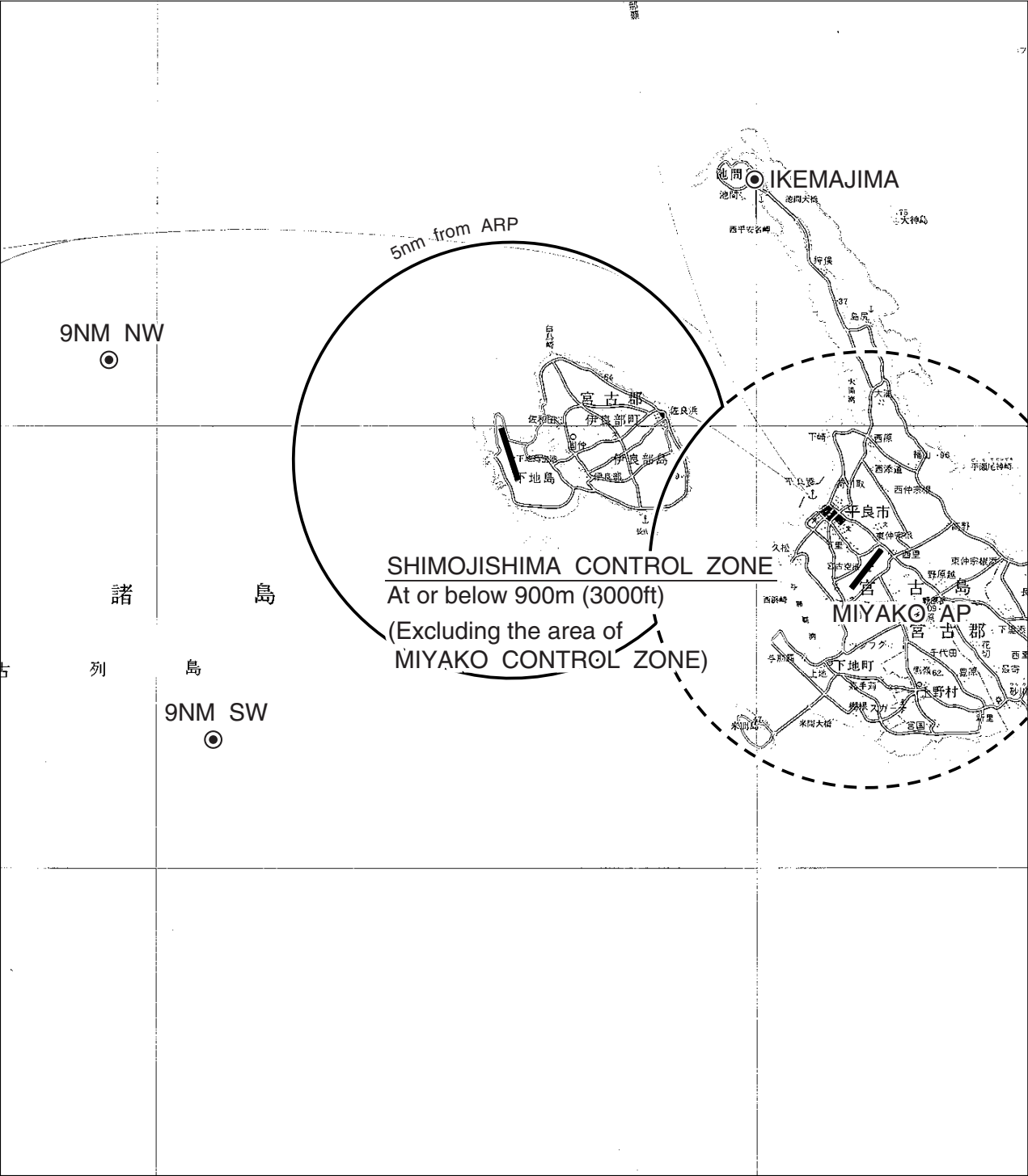


MINIMA		THR elev.54	AD elev.25		
CAT	LNAV/VNAV		LNAV		CIRCLING
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA (H) VIS
A	350(296)	800	350(325)	900	510(485) 1600
B				1000	
C				1400	2400
D		1200			580(555) 3200

Circling to WEST side of RWY only.

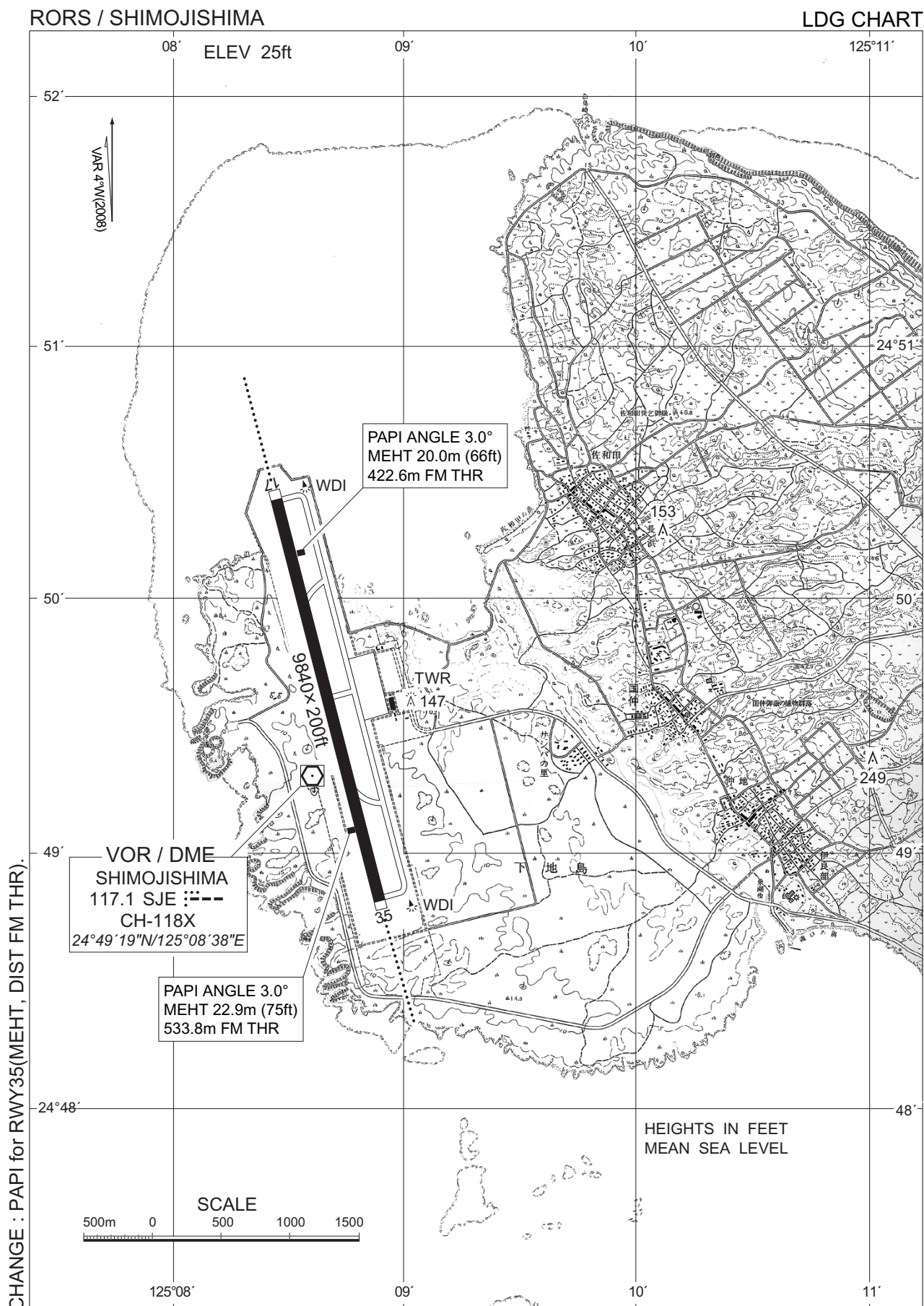
CHANGE : VAR. PROC course(FM DIANA to CHIMI) added. TAIKO, NUUSI established. HLDG pattern(DIANA) established.

RORS SHIMOJISHIMA Visual REP



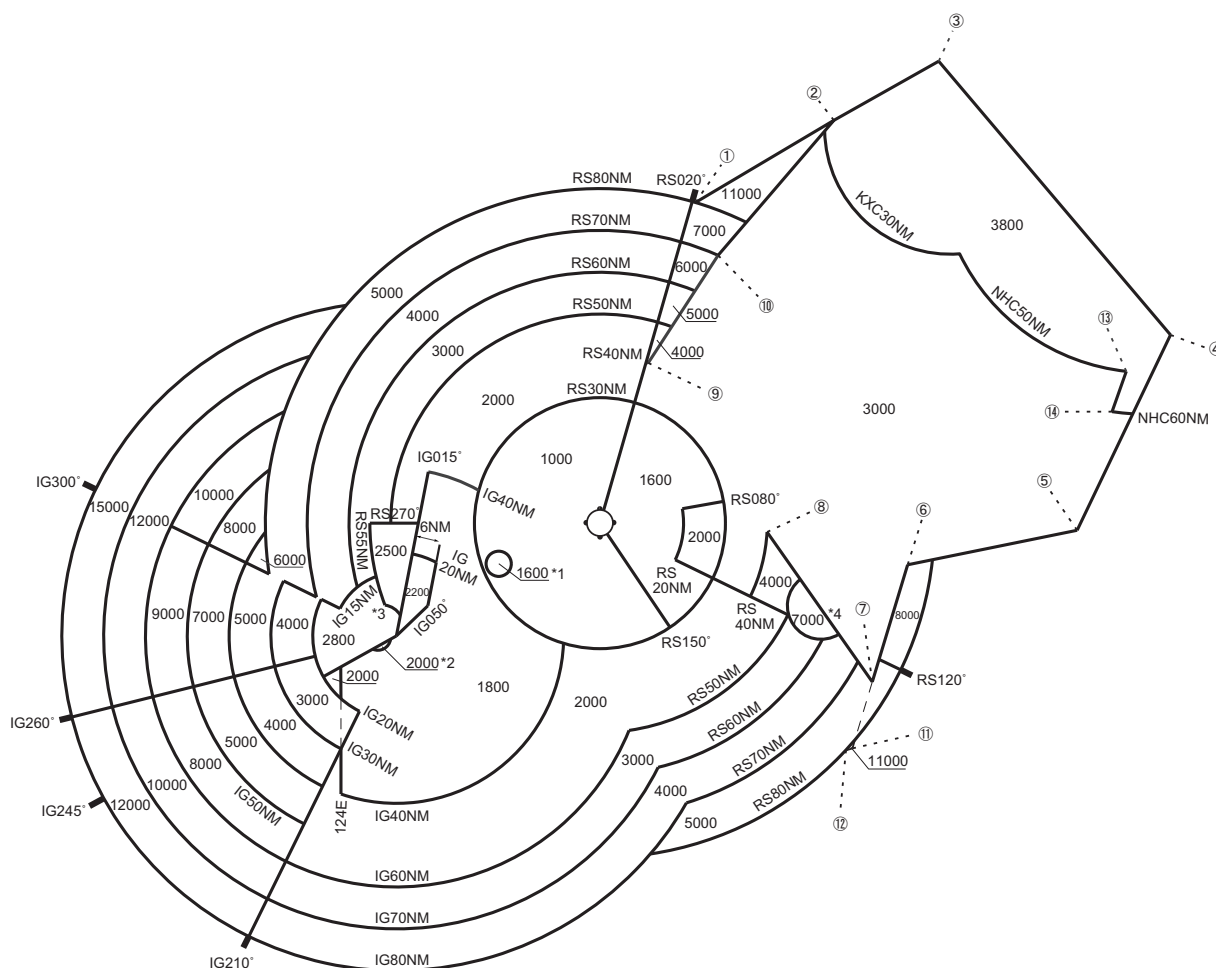
Call sign	BRG / DIST from ARP	Remarks
池間島 Ikemajima	045° / 9NM	島 Island
9NM NW	290° / 9NM	海上 Over the sea
9NM SW	230° / 9NM	海上 Over the sea





## 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