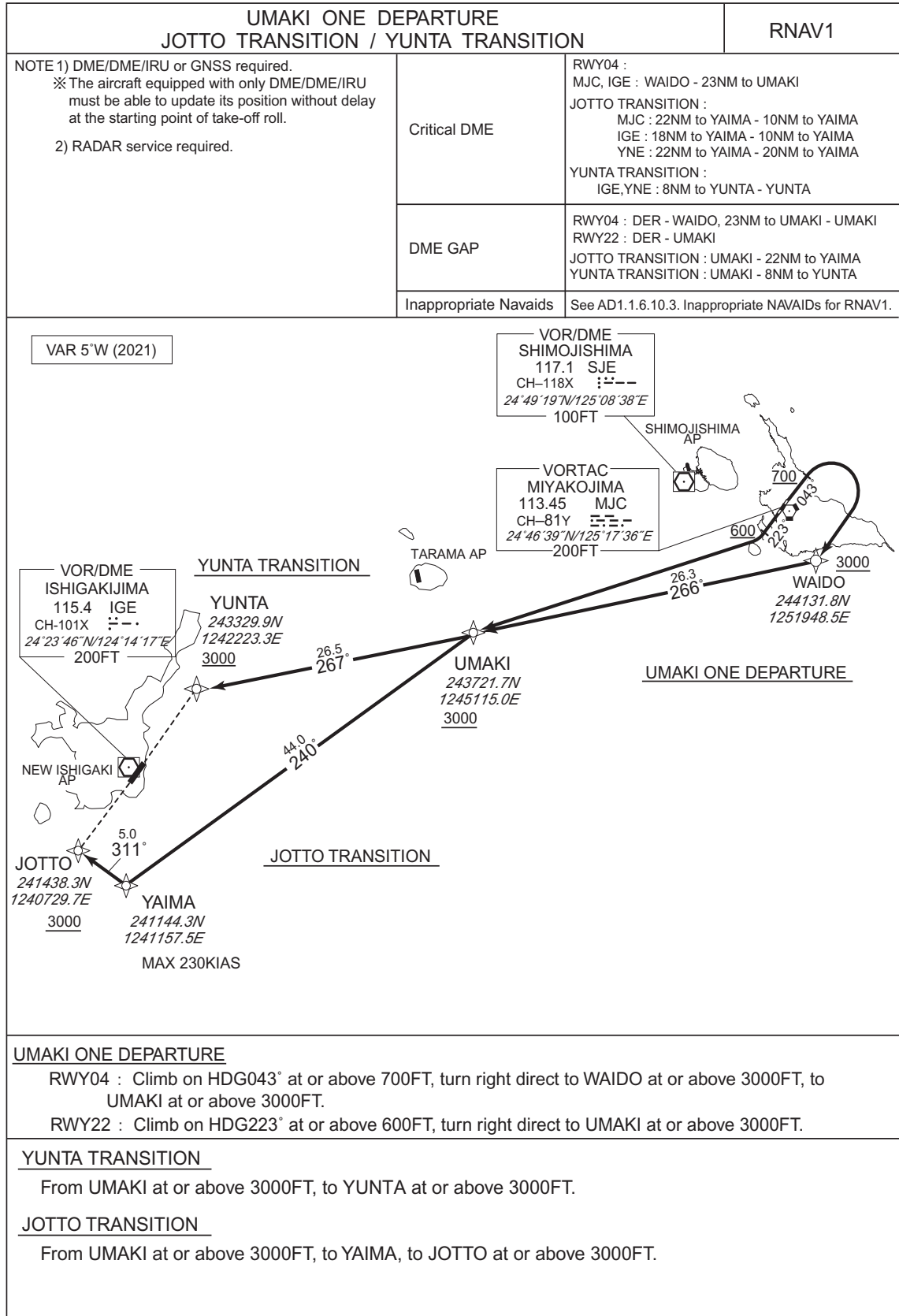


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STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION



STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

UMAKI ONE DEPARTURE

RWY04

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	—	—	043 (038.2)	-5.1	—	—	+700	—	—	RNAV1
002	DF	WAIDO	—	—	-5.1	—	R	+3000	—	—	RNAV1
003	TF	UMAKI	—	266 (261.0)	-5.1	26.3	—	+3000	—	—	RNAV1

RWY22

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	—	—	223 (218.2)	-5.1	—	—	+600	—	—	RNAV1
002	DF	UMAKI	—	—	-5.1	—	R	+3000	—	—	RNAV1

YUNTA 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	UMAKI	—	—	-5.1	—	—	+3000	—	—	RNAV1
002	TF	YUNTA	—	267 (261.7)	-5.1	26.5	—	+3000	—	—	RNAV1

JOTTO TRANSITION

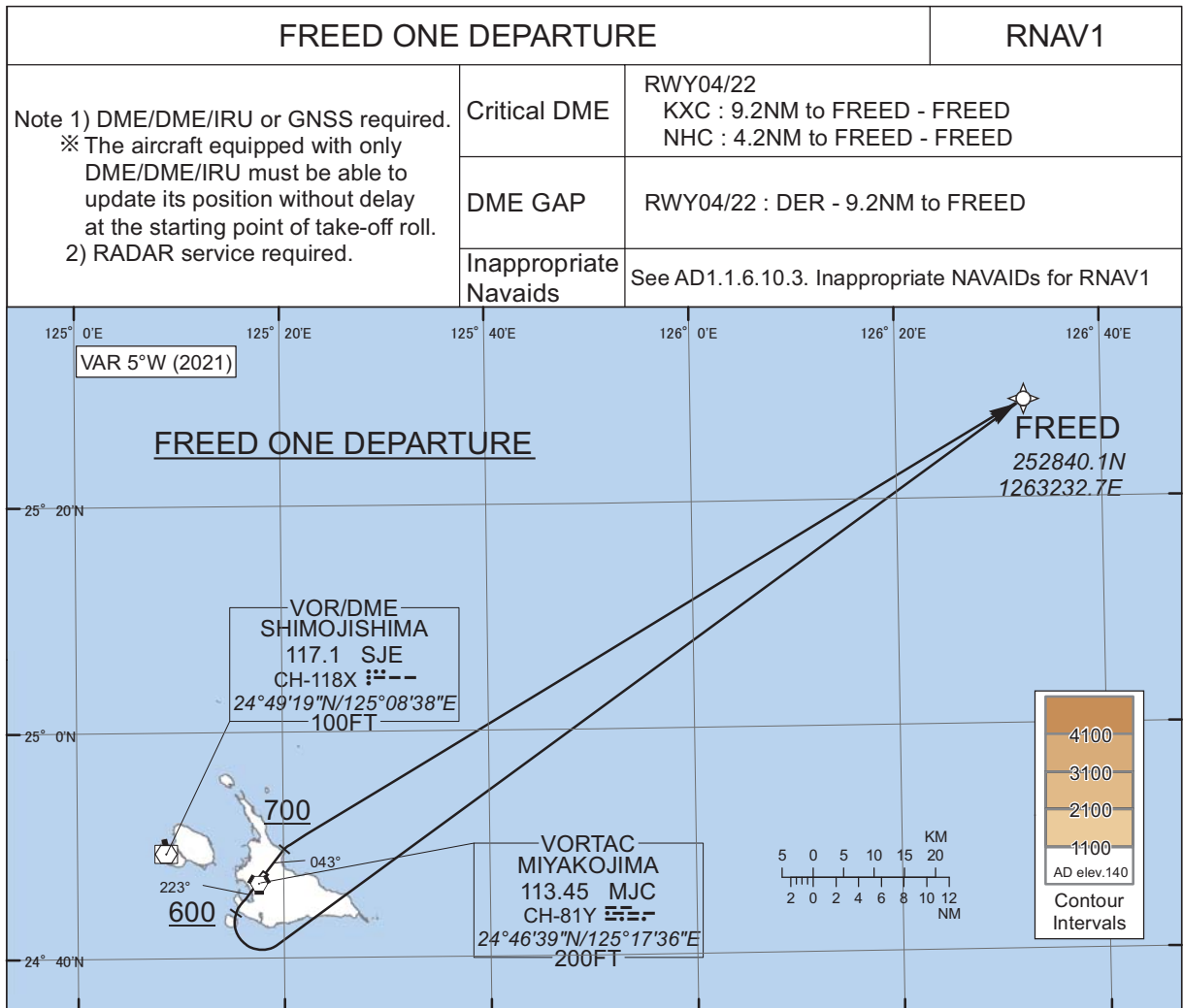
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	UMAKI	—	—	-5.1	—	—	+3000	—	—	RNAV1
002	TF	YAIMA	—	240 (234.5)	-5.1	44.0	—	—	-230	—	RNAV1
003	TF	JOTTO	—	311 (305.5)	-5.1	5.0	—	+3000	—	—	RNAV1

CHANGE : VAR. Course FM YAIMA to JOTTO.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID

FREED ONE DEPARTURE

RWY04 : Climb on HDG043° at or above 700FT, turn right direct to FREED.

RWY22 : Climb on HDG223° at or above 600FT, turn left direct to FREED.

RWY04

Serial Number	Path Descriptor	Way point Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	043 (038.2)	-5.1	-	-	+700	-	-	RNAV1
002	DF	FREED	-	-	-5.1	-	R	-	-	-	RNAV1

RWY22

Serial Number	Path Descriptor	Way point Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	223 (218.2)	-5.1	-	-	+600	-	-	RNAV1
002	DF	FREED	-	-	-5.1	-	L	-	-	-	RNAV1

CHANGE : New PROC.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

SID

NAHA SIX DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...

RWY 22 : Climb RWY HDG to 600FT, turn left HDG015°...
... to intercept and proceed via MJC R060 to PAYAO.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

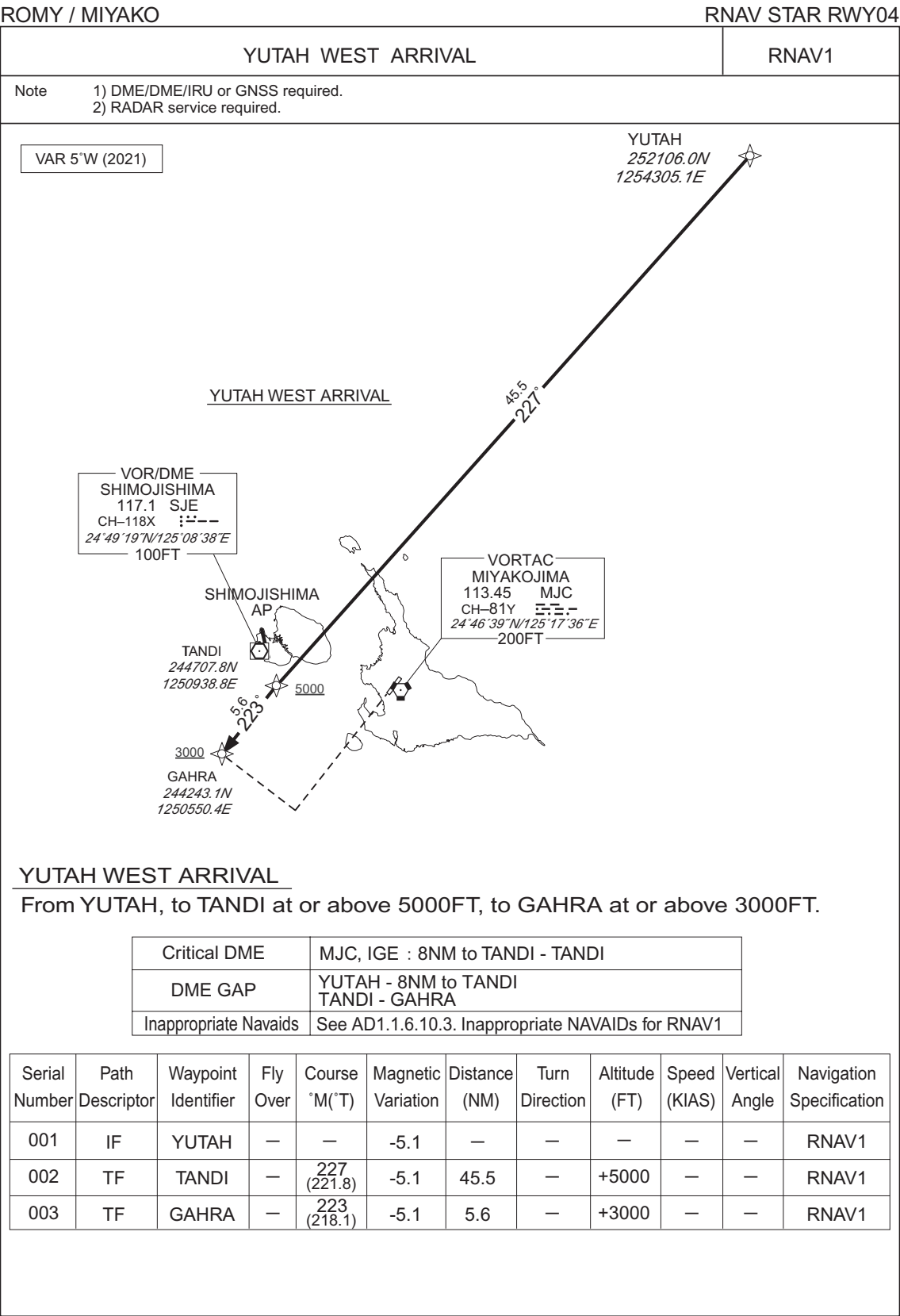
SID

WEST SEVEN DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...
RWY 22 : Climb RWY HDG to 600FT, turn right...
... to intercept and proceed via MJC R253 to SHUJI.
Cross SHUJI at or above 3000FT.



STANDARD ARRIVAL CHART - INSTRUMENT



STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22

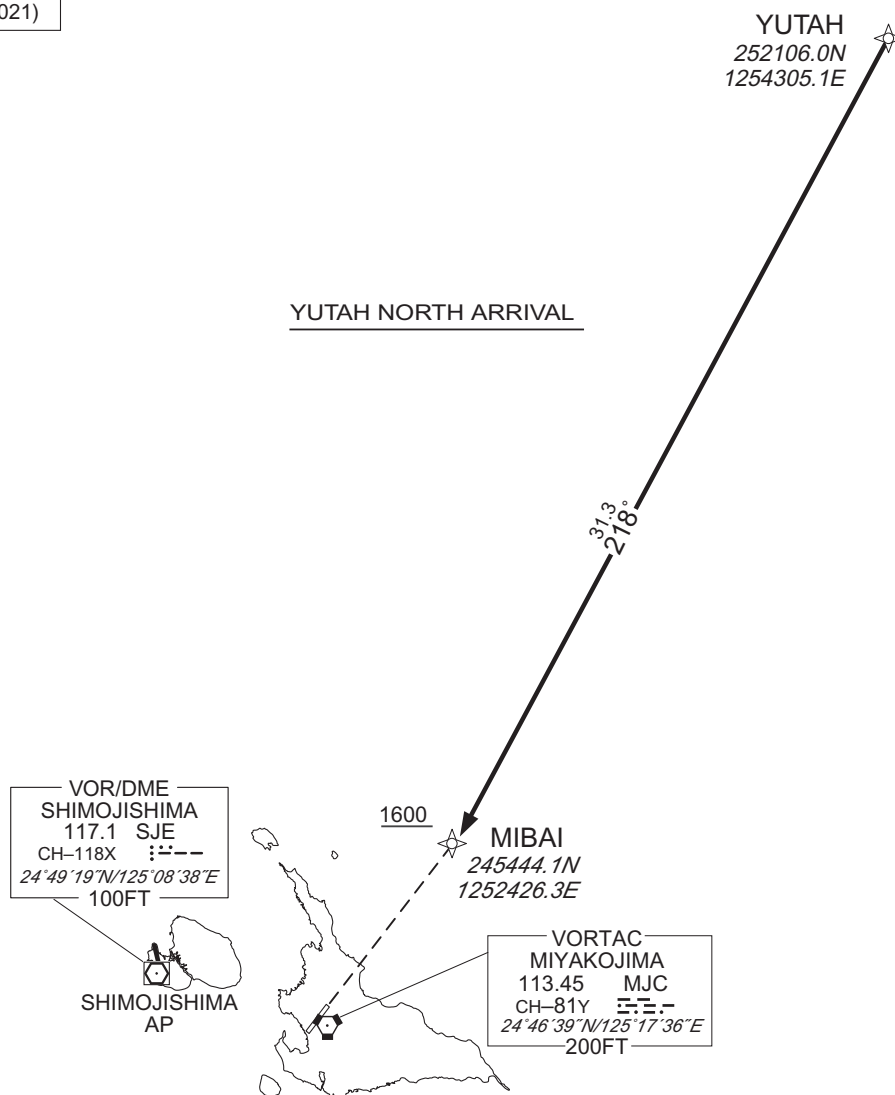
YUTAH NORTH ARRIVAL

RNAV1

Note

- 1) GNSS required.
- 2) RADAR service required.

VAR 5°W (2021)



YUTAH NORTH ARRIVAL

From YUTAH, to MIBAI at or above 1600FT.

Critical DME	—
DME GAP	YUTAH - MIBAI
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

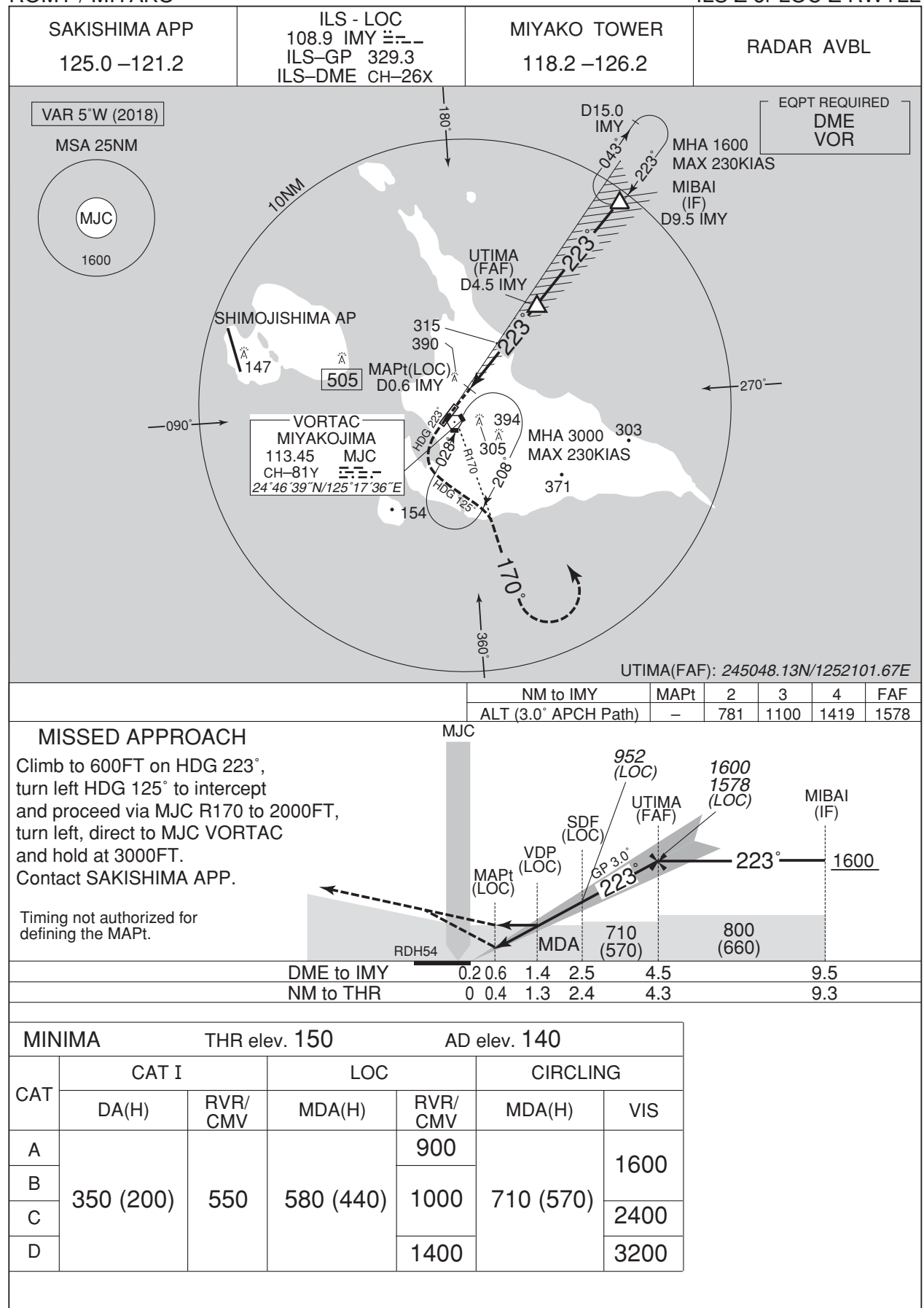
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YUTAH	—	—	-5.1	—	—	—	—	—	RNAV1
002	TF	MIBAI	—	218 (212.7)	-5.1	31.3	—	+1600	—	—	RNAV1

CHANGE : VAR. PROC course.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

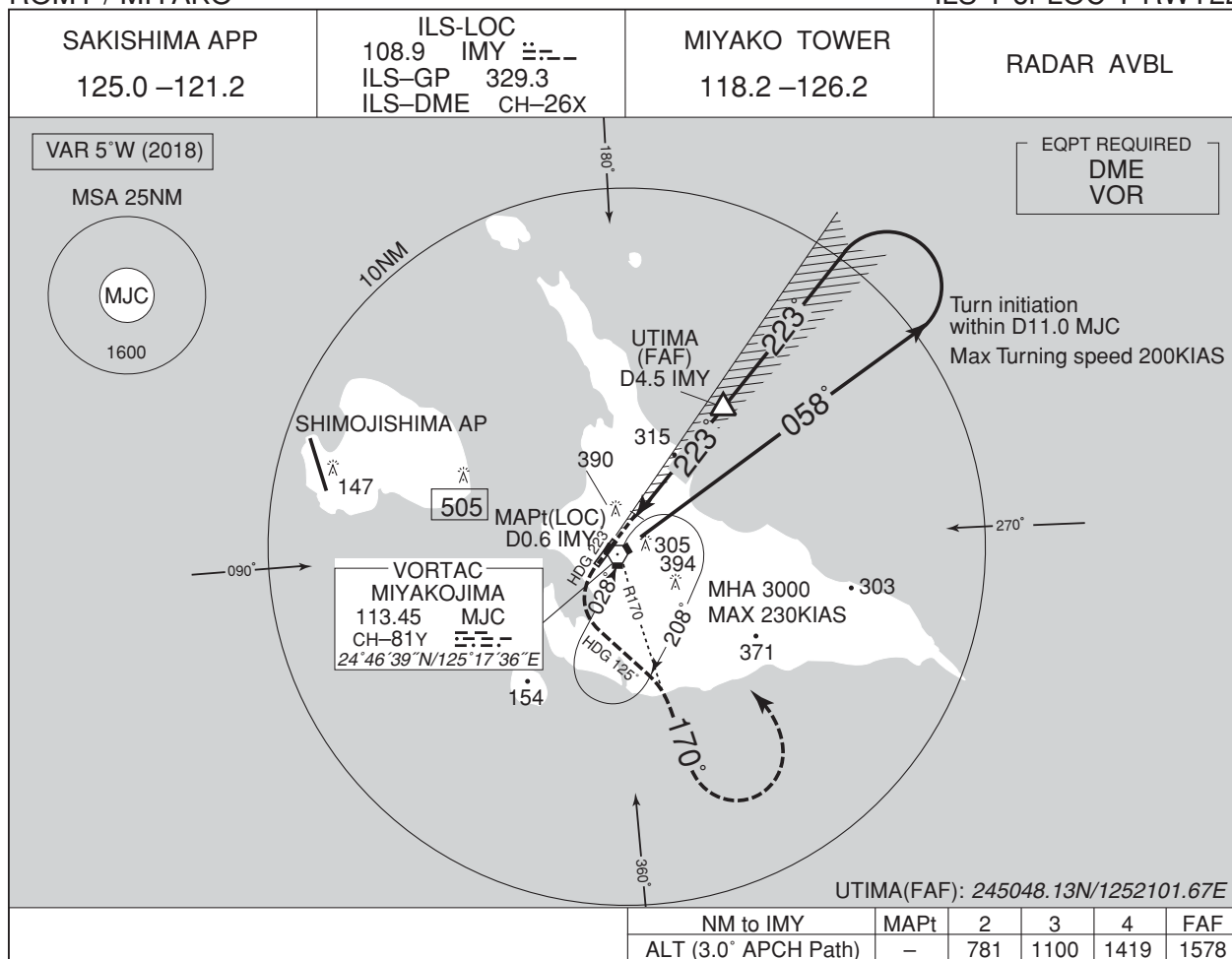
ILS Z or LOC Z RWY22



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

ILS Y or LOC Y RWY22



MISSED APPROACH

Climb to 600FT on HDG 223°, turn left HDG 125° to intercept and proceed via MJC R170 to 2000FT, turn left, direct to MJC VORTAC and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to IMY	0.2	0.6	1.4	2.5	4.5
NM to THR	0	0.4	1.3	2.4	4.3

MINIMA		THR elev. 150		AD elev. 140		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	350 (200)	550	580 (440)	900	710 (570)	1600
B				1000		2400
C						
D						

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

VOR RWY04



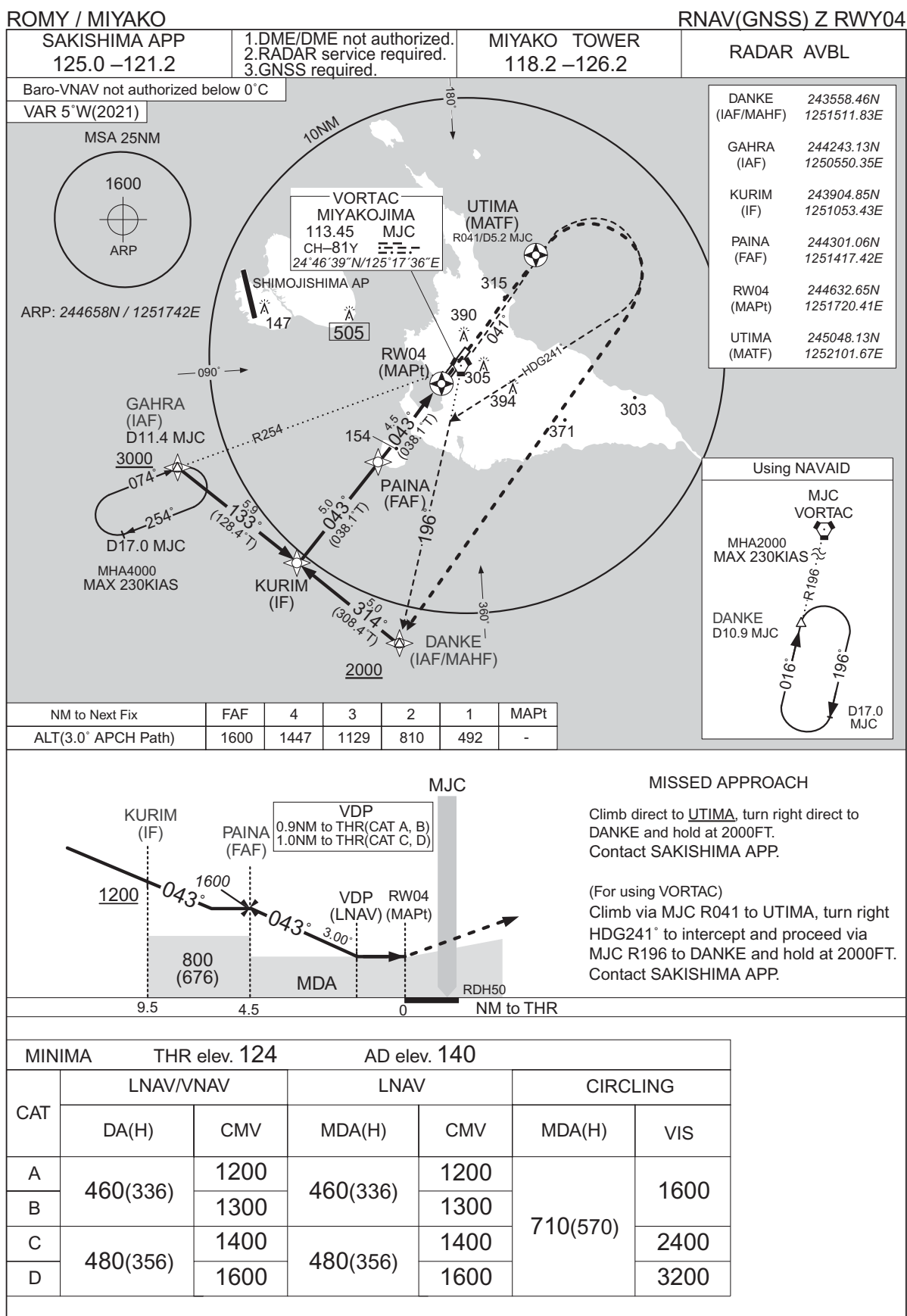
INSTRUMENT APPROACH CHART

ROMY / MIYAKO

VOR RWY22



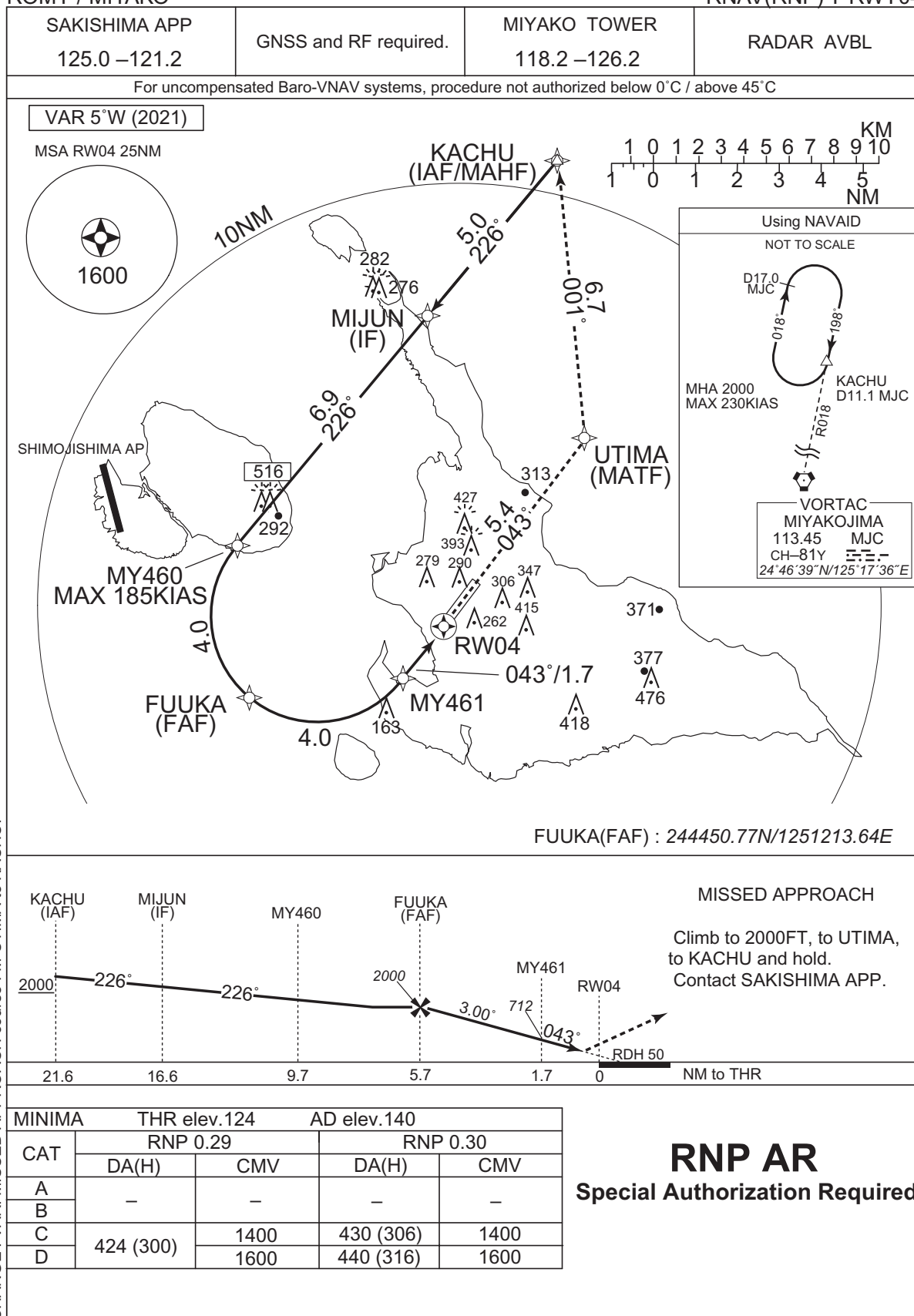
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) Y RWY04



CHANGE : VAR. MISSED APPROACH course FM UTIMA to KACHU.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) Y RWY04

RNAV(RNP) Y RWY04Coding 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	KACHU	—	—	-5.1	—	—	+2000	—	—	—
002	TF	MIJUN	—	226 (220.8)	-5.1	5.0	—	—	—	—	1.0
003	TF	MY460	—	226 (220.7)	-5.1	6.9	—	+2000	-185	—	1.0
004	RF Center: MYRF1 r=2.52NM	FUUKA	—	—	-5.1	4.0	L	2000	—	—	1.0
005	RF Center: MYRF1 r=2.52NM	MY461	—	—	-5.1	4.0	L	712	—	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.1	1.7	—	174	—	-3.00/50	0.29 0.30
007	TF	UTIMA	—	043 (038.2)	-5.1	5.4	—	—	—	—	1.0
008	TF	KACHU	—	001 (355.6)	-5.1	6.7	—	2000	—	—	1.0

Waypoint Coordinates

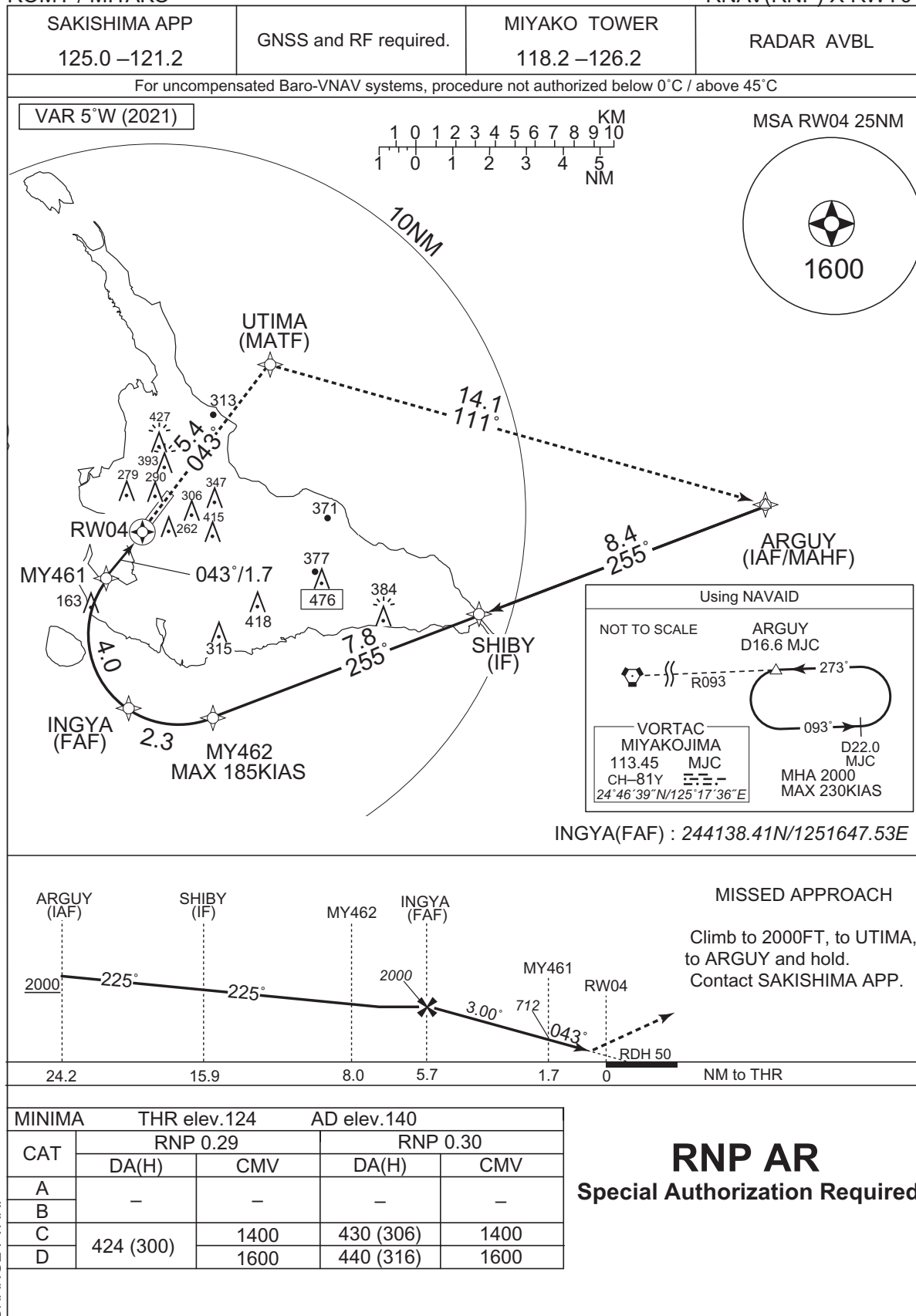
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
KACHU	245726.14N/1252027.95E	MYRF1	244646.77N/1251400.81E
MIJUN	245338.80N/1251651.84E		
MY460	244826.09N/1251155.10E		
FUUKA	244450.77N/1251213.64E		
MY461	244512.72N/1251611.26E		
RW04	244632.65N/1251720.41E		
UTIMA	245048.13N/1252101.67E		

CHANGE : VAR. MISSED APPROACH course FM UTIMA to KACHU.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) X RWY04



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNAV(RNP) X RWY04

RNAV(RNP) X RWY04Coding 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	ARGUY	—	—	-5.1	—	—	+2000	—	—	—
002	TF	SHIBY	—	255 (250.0)	-5.1	8.4	—	—	—	—	1.0
003	TF	MY462	—	255 (250.0)	-5.1	7.8	—	+2000	-185	—	1.0
004	RF Center: MYRF2 r=2.46NM	INGYA	—	—	-5.1	2.3	R	2000	—	—	1.0
005	RF Center: MYRF2 r=2.46NM	MY461	—	—	-5.1	4.0	R	712	—	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.1	1.7	—	174	—	-3.00/50	0.29 0.30
007	TF	UTIMA	—	043 (038.2)	-5.1	5.4	—	—	—	—	1.0
008	TF	ARGUY	—	111 (106.1)	-5.1	14.1	—	2000	—	—	1.0

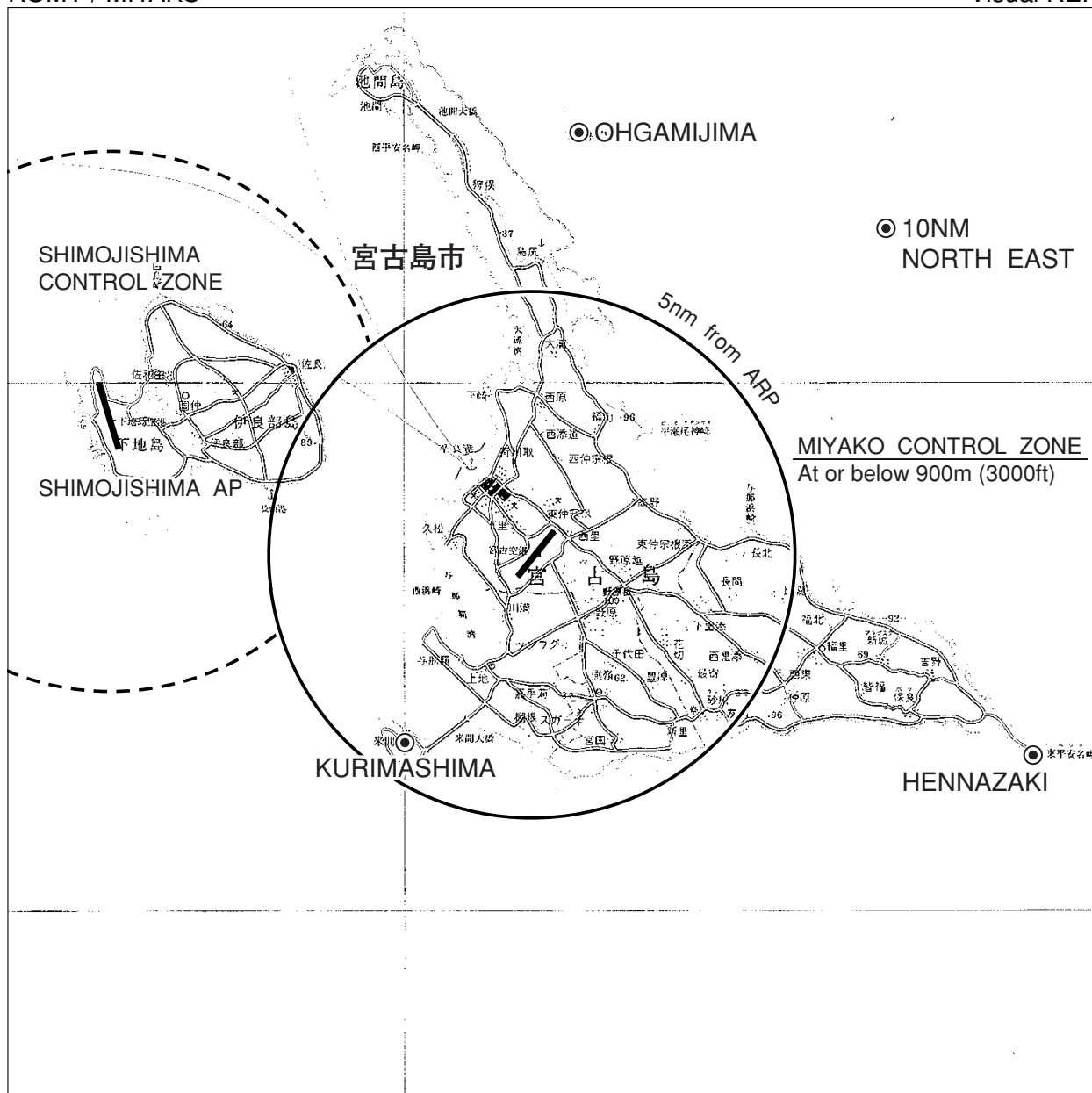
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ARGUY	244652.87N/1253554.53E	MYRF2	244340.95N/1251818.44E
SHIBY	244401.74N/1252716.29E		
MY462	244121.83N/1251913.79E		
INGYA	244138.41N/1251647.53E		
MY461	244512.72N/1251611.26E		
RW04	244632.65N/1251720.41E		
UTIMA	245048.13N/1252101.67E		

CHANGE : VAR.

ROMY / MIYAKO

Visual REP

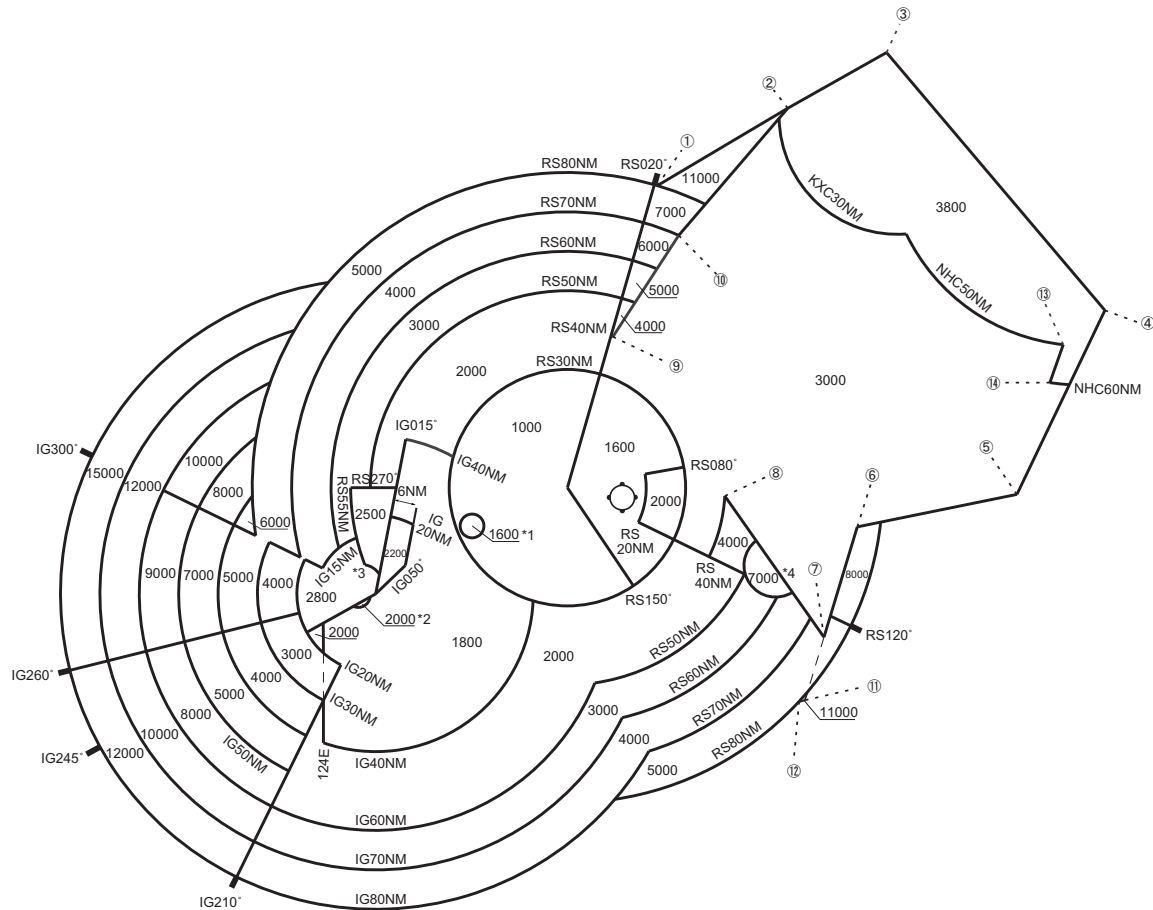


Call sign	BRG / DIST from ARP	Remarks
10NM NORTH EAST	045°/10.0NM	海上 Over the sea
大神島 Ohgamijima	009°/ 8.0NM	島 Island
来間島 Kurimashima	220°/ 4.5NM	島 Island
平安名崎 Hennazaki	115°/10.0NM	灯台 Lighthouse

ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 4°W (2013)



- ① 260606N/1253511E
- ② 262504N/1261226E
- ③ 263831N/1264046E
- ④ 253118N/1273951E
- ⑤ 244518N/1271337E
- ⑥ 243809N/1262857E
- ⑦ 241018N/1261859E
- ⑧ 244613N/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

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