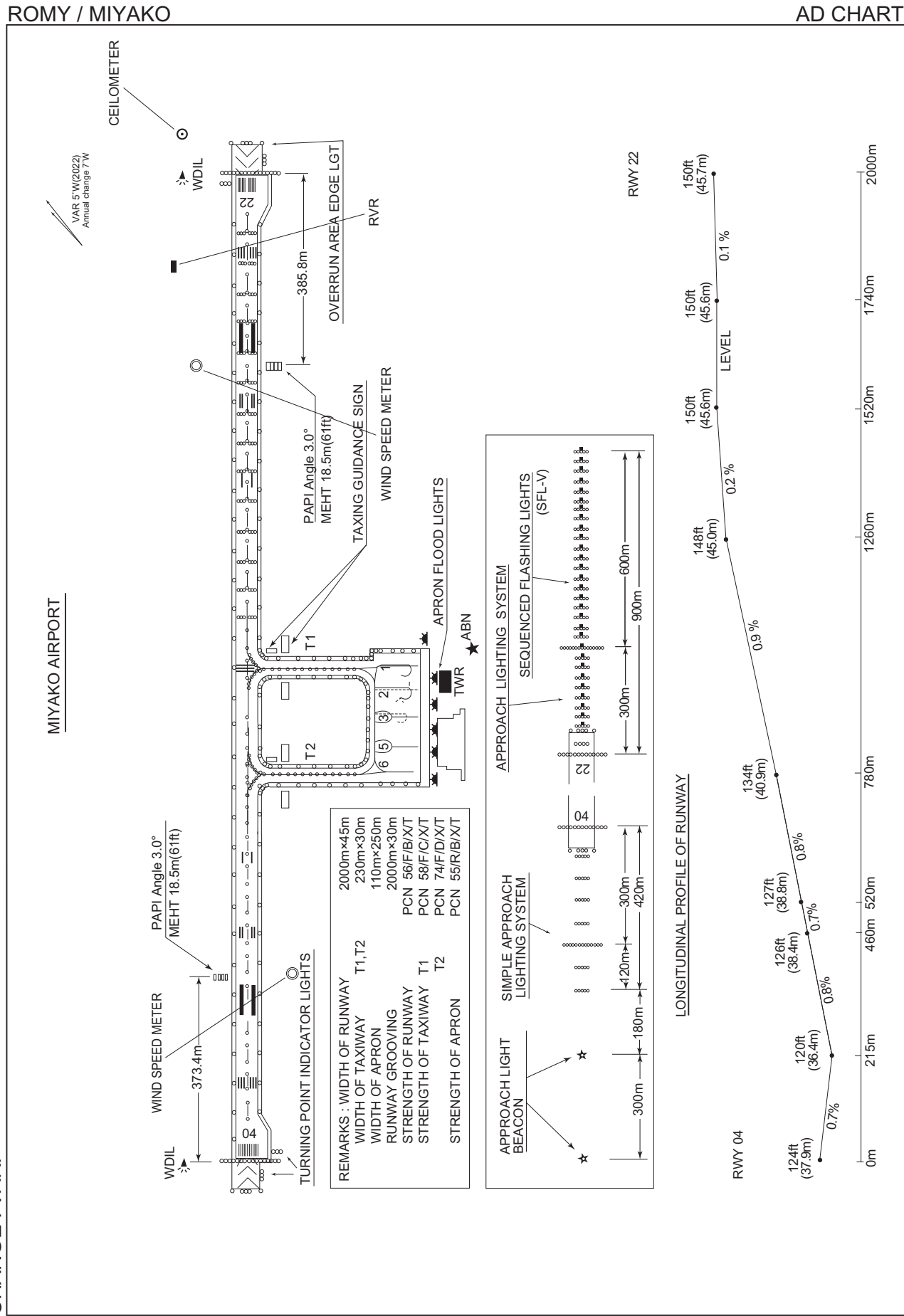
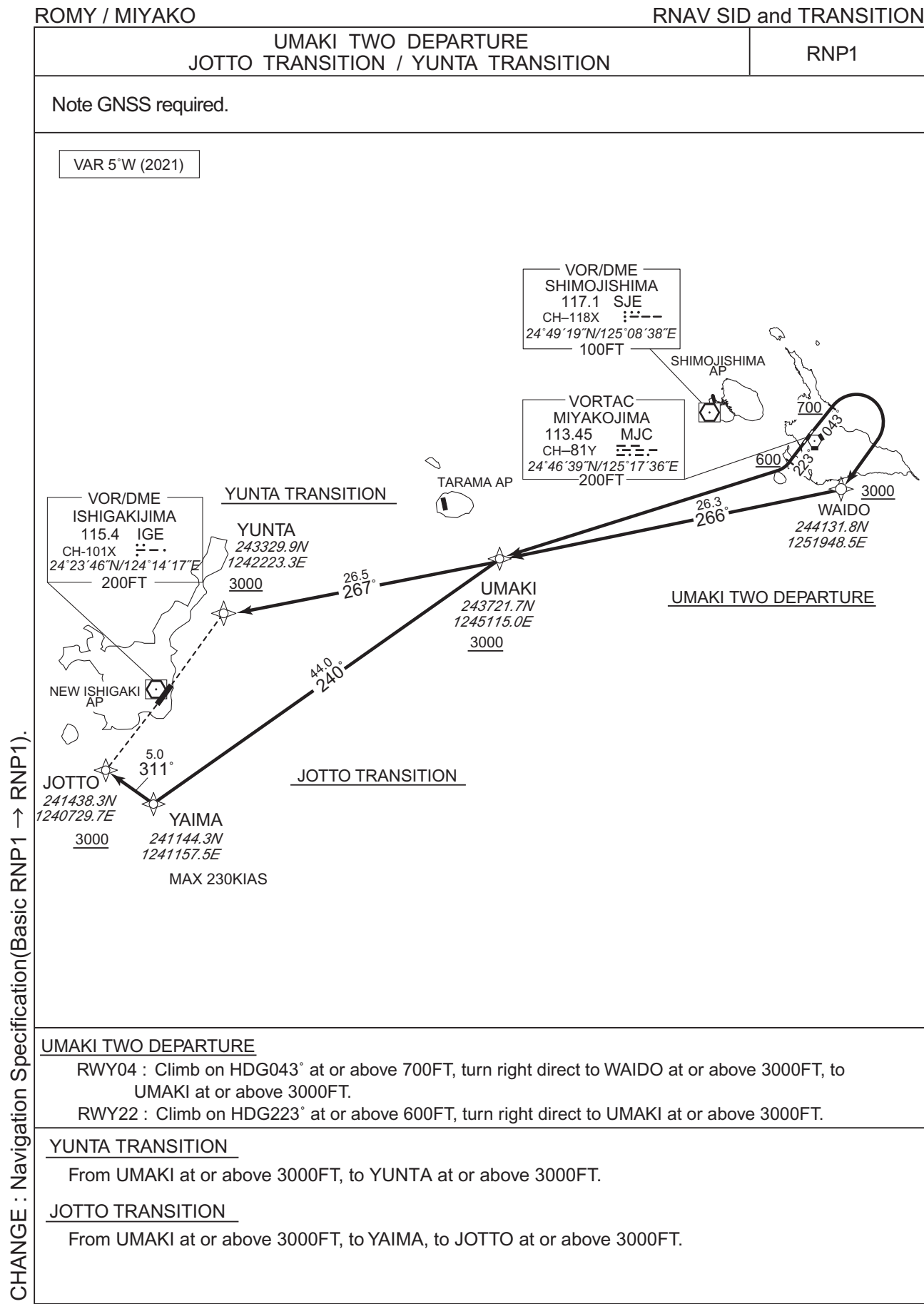


CHANGE : VAR.



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STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

UMAKI TWO 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	-	-	RNP1
002	DF	WAIDO	-	-	-5.1	-	R	+3000	-	-	RNP1
003	TF	UMAKI	-	266 (261.0)	-5.1	26.3	-	+3000	-	-	RNP1

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	-	-	RNP1
002	DF	UMAKI	-	-	-5.1	-	R	+3000	-	-	RNP1

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	-	-	RNP1
002	TF	YUNTA	-	267 (261.7)	-5.1	26.5	-	+3000	-	-	RNP1

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	-	-	RNP1
002	TF	YAIMA	-	240 (234.5)	-5.1	44.0	-	-	-230	-	RNP1
003	TF	JOTTO	-	311 (305.5)	-5.1	5.0	-	+3000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

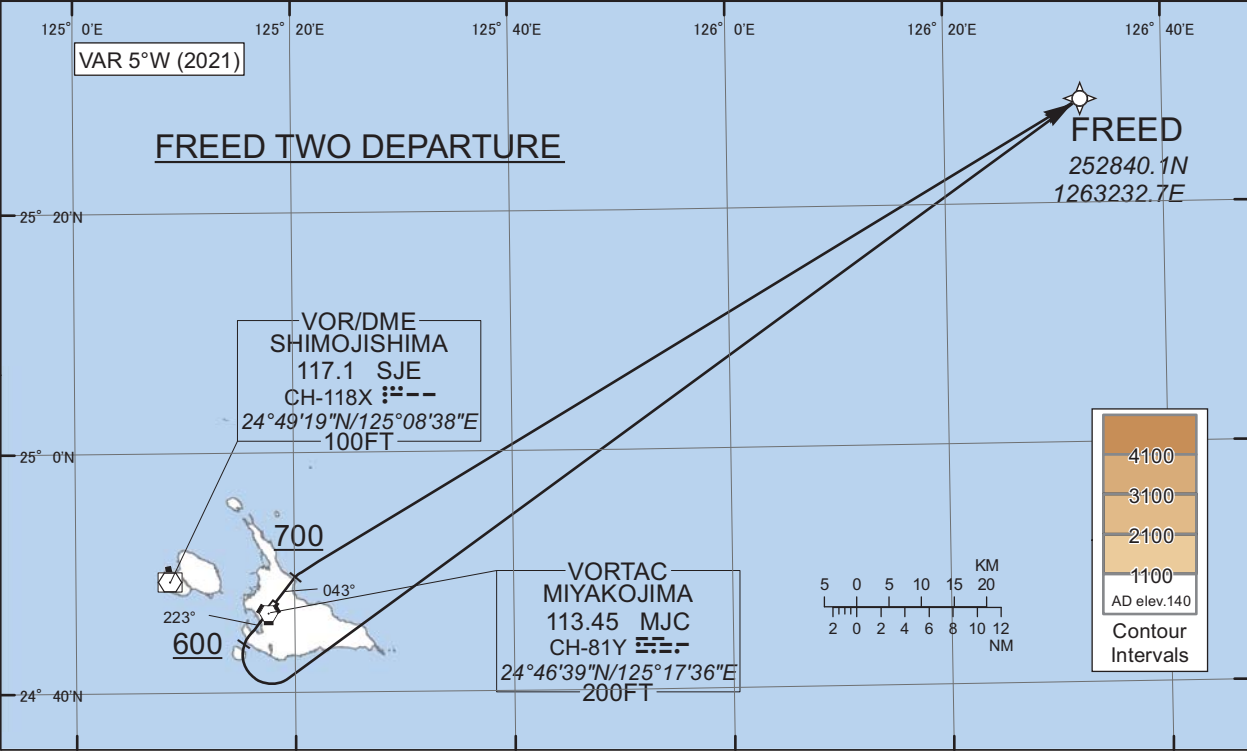
ROMY / MIYAKO

RNAV SID

FREED TWO DEPARTURE

RNP1

Note GNSS required.



FREED TWO 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.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	RNP1
002	DF	FREED	-	-	-5.1	-	R	-	-	-	RNP1

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	-	-	RNP1
002	DF	FREED	-	-	-5.1	-	L	-	-	-	RNP1

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.



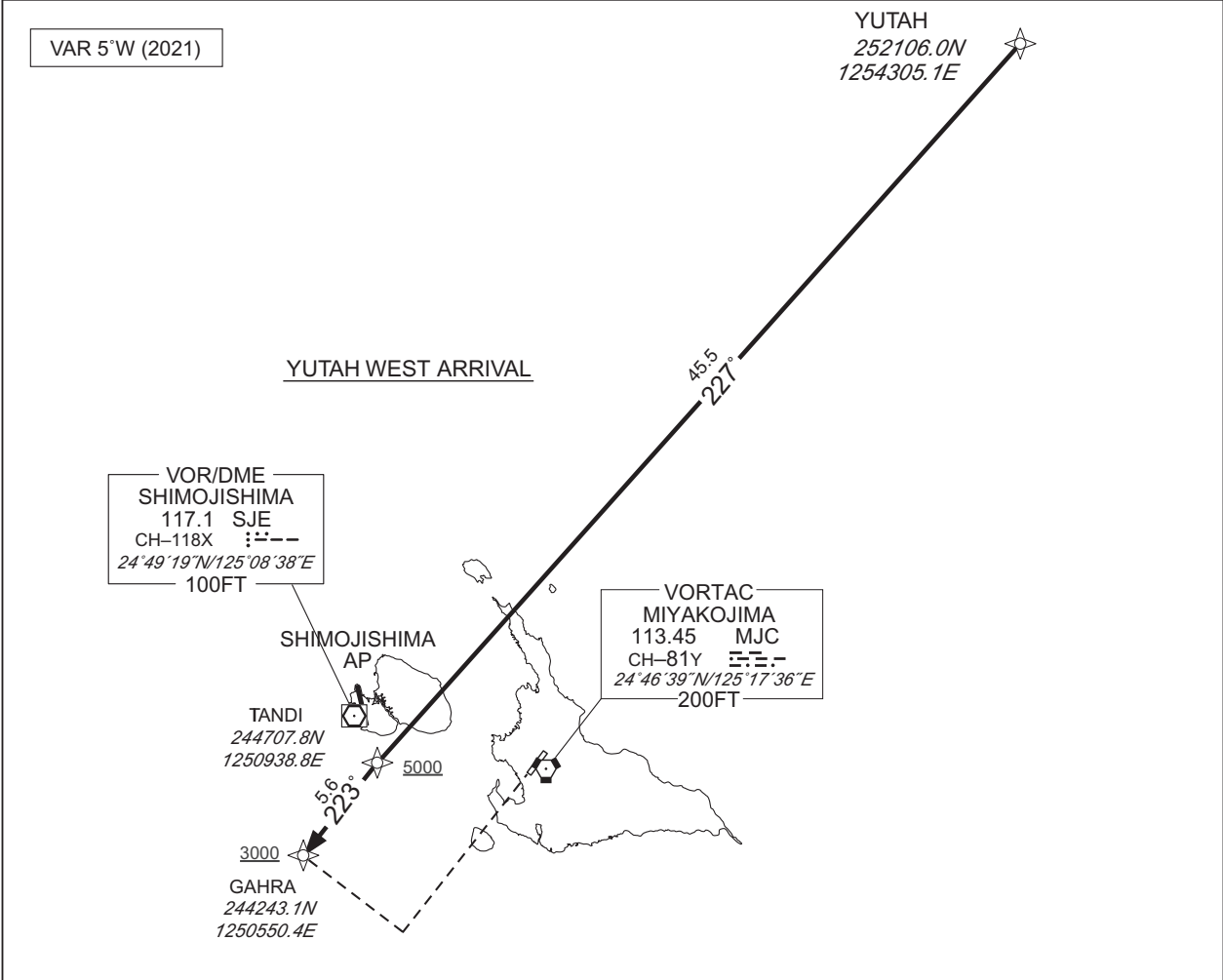
STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY04

YUTAH WEST ARRIVAL	RNP1
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Note GNSS required.



YUTAH WEST ARRIVAL

From YUTAH, to TANDI at or above 5000FT, to GAHRA at or above 3000FT.

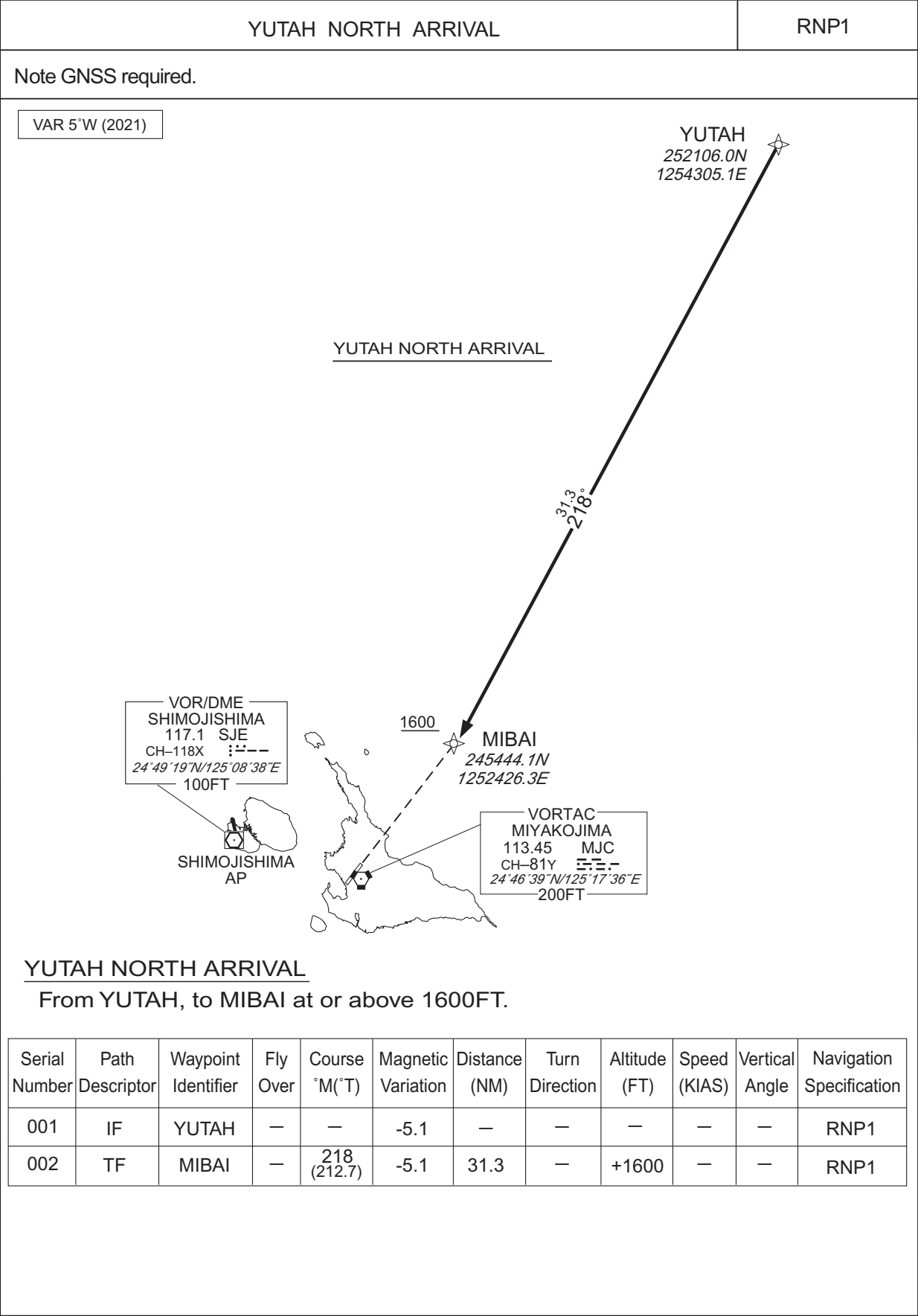
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YUTAH	—	—	-5.1	—	—	—	—	—	RNP1
002	TF	TANDI	—	227 (221.8)	-5.1	45.5	—	+5000	—	—	RNP1
003	TF	GAHRA	—	223 (218.1)	-5.1	5.6	—	+3000	—	—	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY22



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

ROMY / MIYAKO

RNP Z RWY04



CHANGE:PROC renamed. Requirement for RNP.

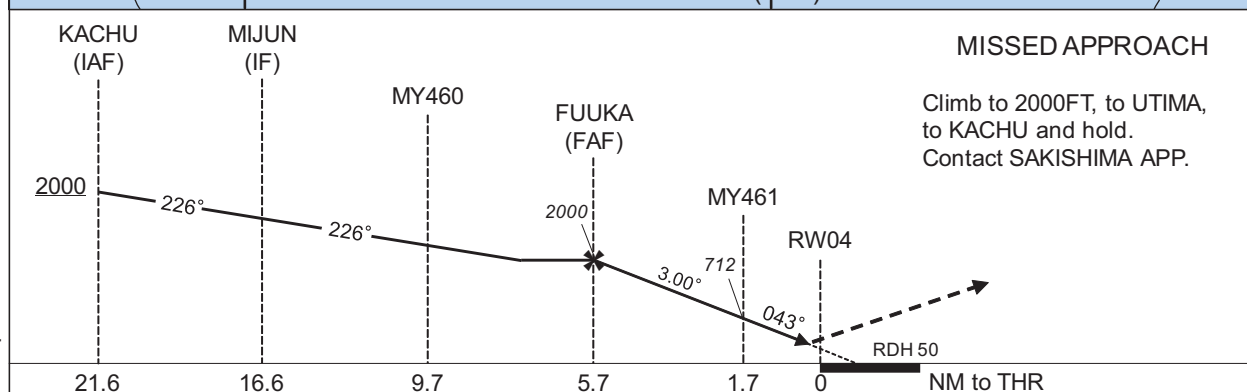
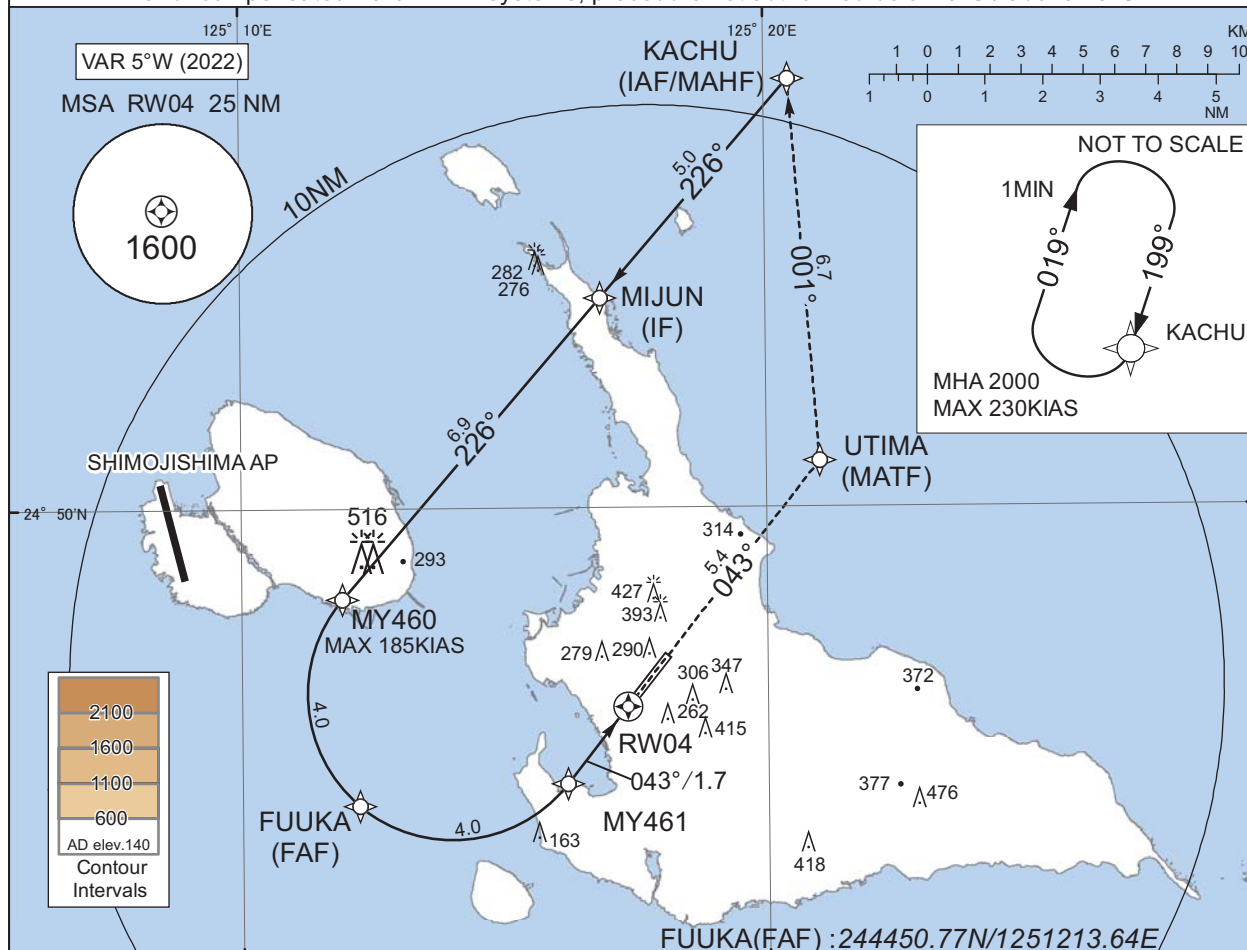
INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(AR)

SAKISHIMA APP 125.0 - 121.2	RNP AR RF required.	MIYAKO TOWER 118.2 - 126.2	RADAR AVBL
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For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C



MINIMA	THR elev. 124		AD elev. 140	
	RNP 0.29		RNP 0.30	
CAT	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	424(300)	1400	430(306)	1400
D		1600	440(316)	1600

Authorization Required

CHANGE : PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(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	KACHU	-	-	-5.2	-	-	+2000	-	-	-
002	TF	MIJUN	-	226 (220.8)	-5.2	5.0	-	-	-	-	1.0
003	TF	MY460	-	226 (220.7)	-5.2	6.9	-	+2000	-185	-	1.0
004	RF Center: MYRF1 r=2.52NM	FUUKA	-	-	-5.2	4.0	L	2000	-	-	1.0
005	RF Center: MYRF1 r=2.52NM	MY461	-	-	-5.2	4.0	L	712	-	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.2	1.7	-	174	-	-3.00/50	0.29 0.30
007	TF	UTIMA	-	043 (038.2)	-5.2	5.4	-	-	-	-	1.0
008	TF	KACHU	-	001 (355.6)	-5.2	6.7	-	2000	-	-	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	KACHU	199 (193.5)	-5.2	1.0 (-14000)	R	2000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

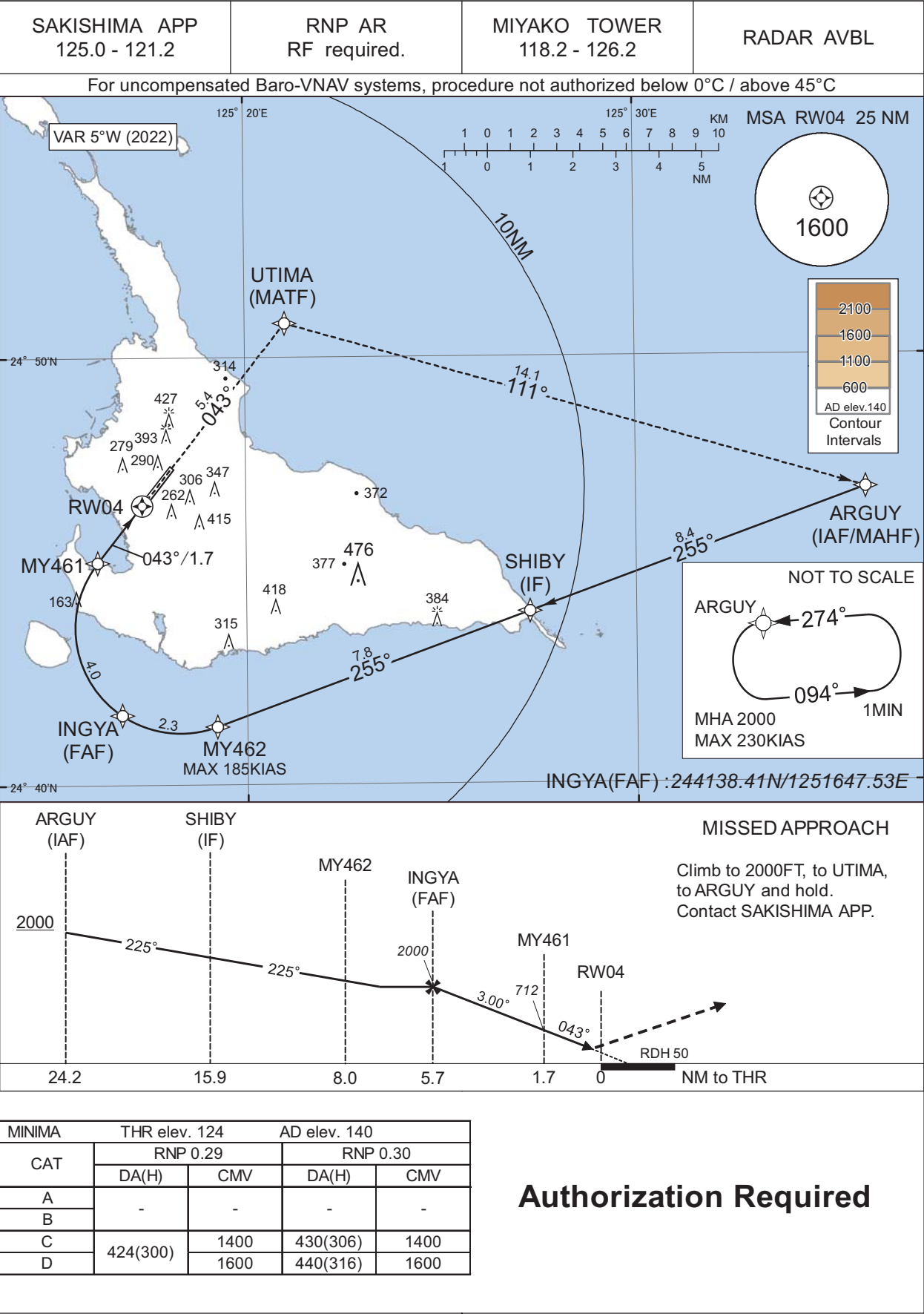
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
KACHU	245726.14N / 1252027.95E	MYRF1	244646.77N / 1251400.81E
MIJUN	245338.80N / 1251651.84E		
MY460	244826.09N / 1251155.10E		
FUUKA	244450.77N / 1251213.64E		
MY461	244512.72N / 1251611.26E		
RW04	244632.65N / 1251720.41E		
UTIMA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

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP X RWY04(AR)



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP X RWY04(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	ARGUY	-	-	-5.2	-	-	+2000	-	-	-
002	TF	SHIBY	-	255 (250.0)	-5.2	8.4	-	-	-	-	1.0
003	TF	MY462	-	255 (250.0)	-5.2	7.8	-	+2000	-185	-	1.0
004	RF Center: MYRF2 r=2.46NM	INGYA	-	-	-5.2	2.3	R	2000	-	-	1.0
005	RF Center: MYRF2 r=2.46NM	MY461	-	-	-5.2	4.0	R	712	-	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.2	1.7	-	174	-	-3.00/50	0.29 0.30
007	TF	UTIMA	-	043 (038.2)	-5.2	5.4	-	-	-	-	1.0
008	TF	ARGUY	-	111 (106.1)	-5.2	14.1	-	2000	-	-	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	ARGUY	274 (269.3)	-5.2	1.0 (-14000)	L	2000	FL140	-230 (-14000)	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 : PROC renamed.



ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 5°W (2022)



- ① 260606N/125351E
 ② 262504N/1261226E
 ③ 263831N/1264046E
 ④ 253118N/1273951E
 ⑤ 244518N/1271337E
 ⑥ 243809N/1262857E
 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

CHANGE : VAR.