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STANDARD DEPARTURE CHART-INSTRUMENT

RJTH / HACHIOJIMA

SID

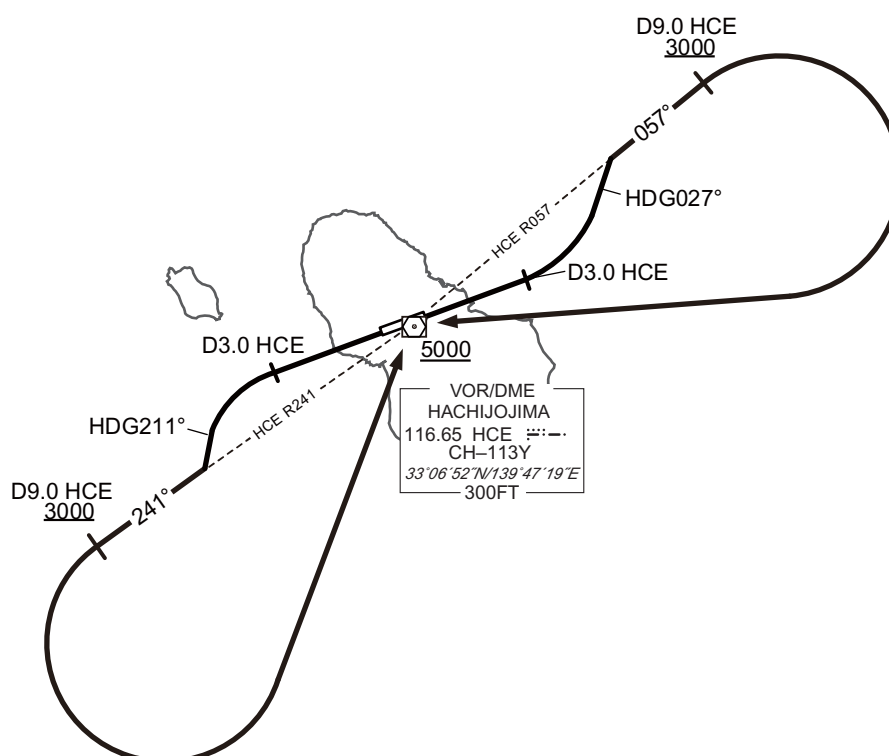
HACHIOJO REVERSAL SIX DEPARTURE

RWY08 : Climb RWY HDG to HCE 3.0DME, turn left HDG 027° to intercept and proceed via HCE R057 to 9.0DME, turn right, direct to HCE VOR/DME.

Cross HCE R057/9.0DME at or above 3000FT,
cross HCE VOR/DME at or above 5000FT.

RWY26 : Climb RWY HDG to HCE 3.0DME, turn left HDG 211° to intercept and proceed via HCE R241 to 9.0DME, turn left, direct to HCE VOR/DME.

Cross HCE R241/9.0DME at or above 3000FT,
cross HCE VOR/DME at or above 5000FT.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTH / HACHIJOJIMA

RNAV SID



RWY08 : Climb on HDG 076° at or above 1400FT, turn left direct to TOPIT.
RWY26 : Climb on HDG 256° at or above 3000FT, turn right direct to TOPIT.

RWY08

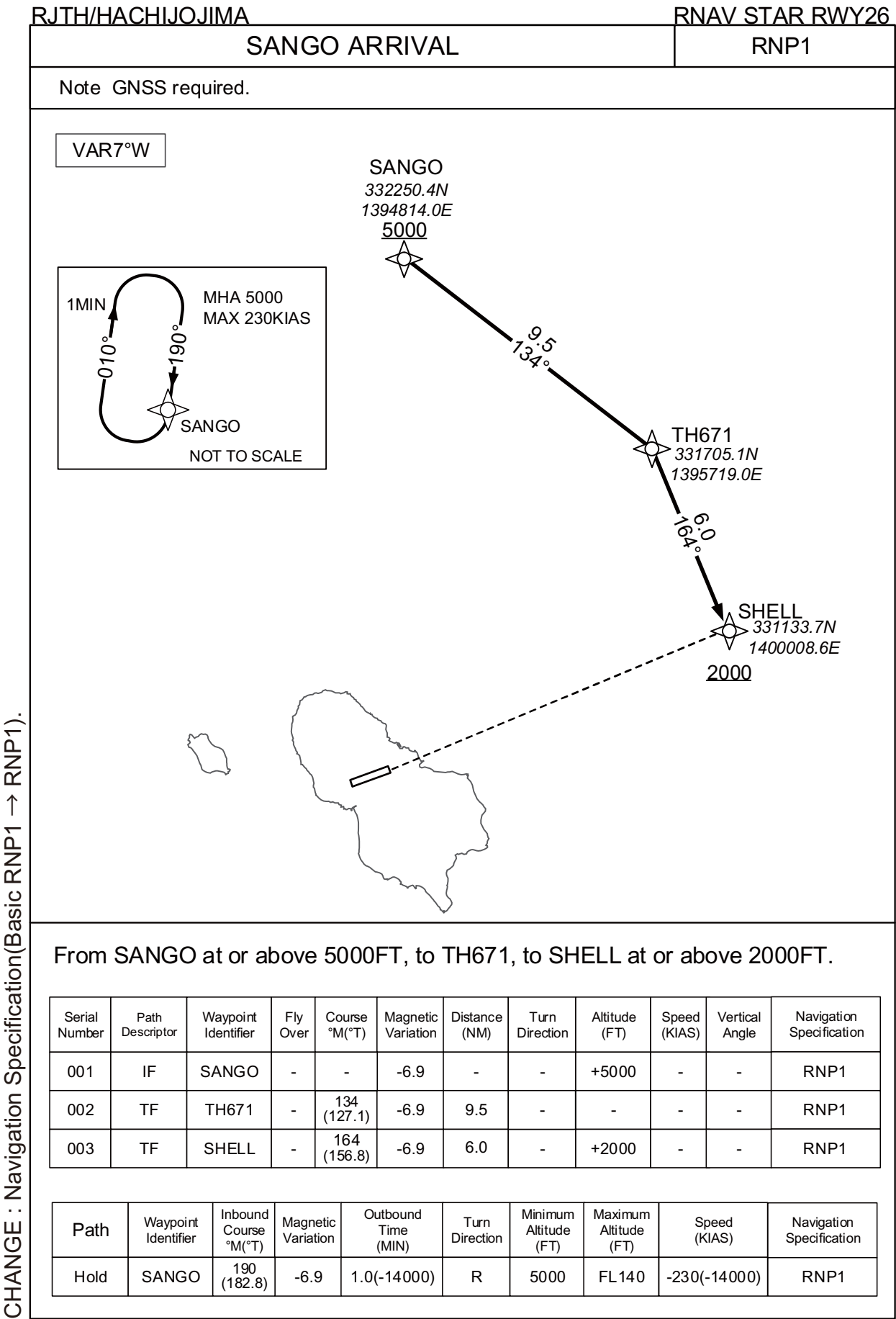
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	076 (069.5)	-6.7	—	—	+1400	—	—	RNP1
002	DF	TOPIT	—	—	-6.7	—	L	—	—	—	RNP1

RWY26

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	—	—	256 (249.5)	-6.7	—	—	+3000	—	—	RNP1
002	DF	TOPIT	—	—	-6.7	—	R	—	—	—	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT



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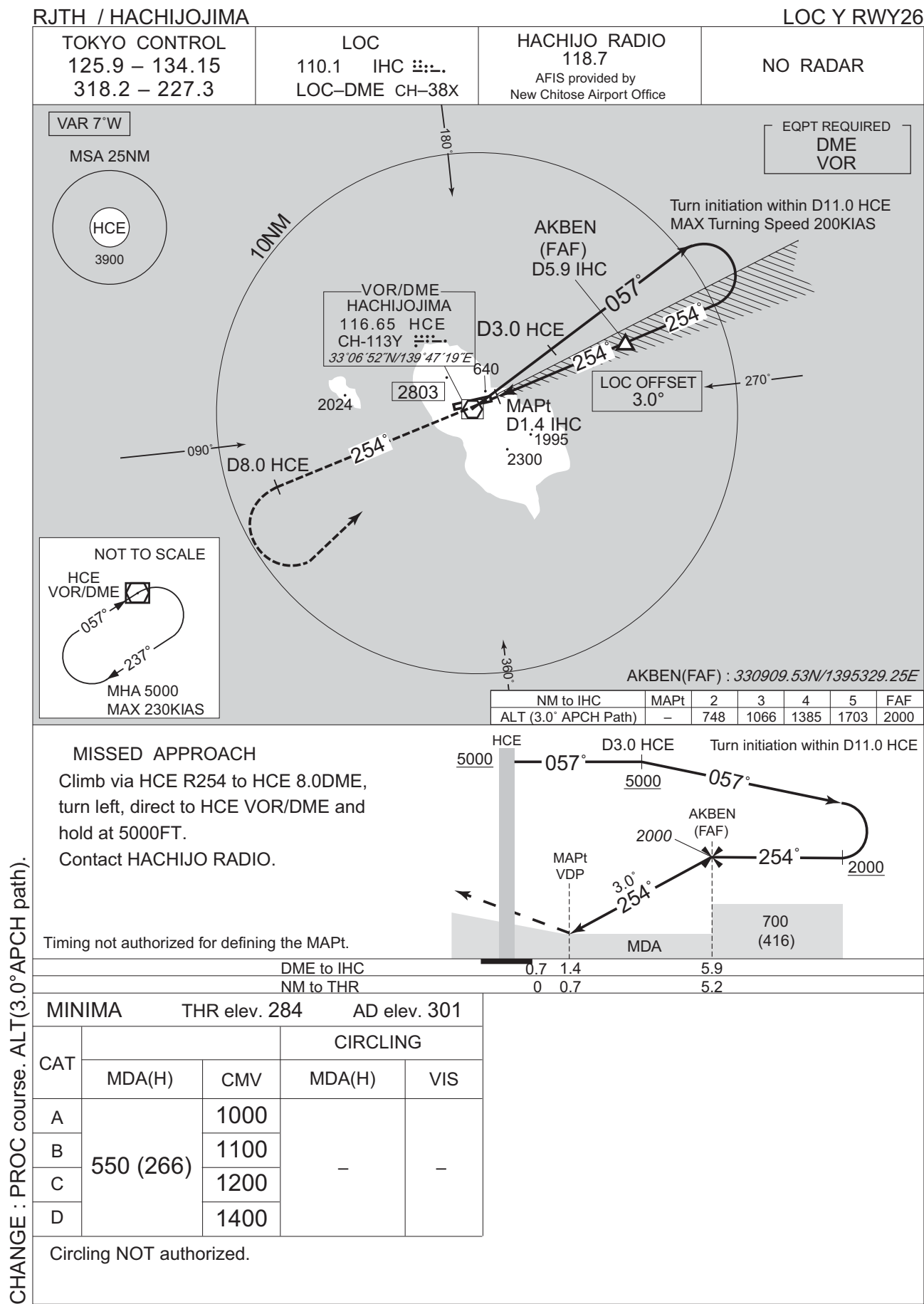
RJTH / HACHIJOJIMA

LOC Z RWY26

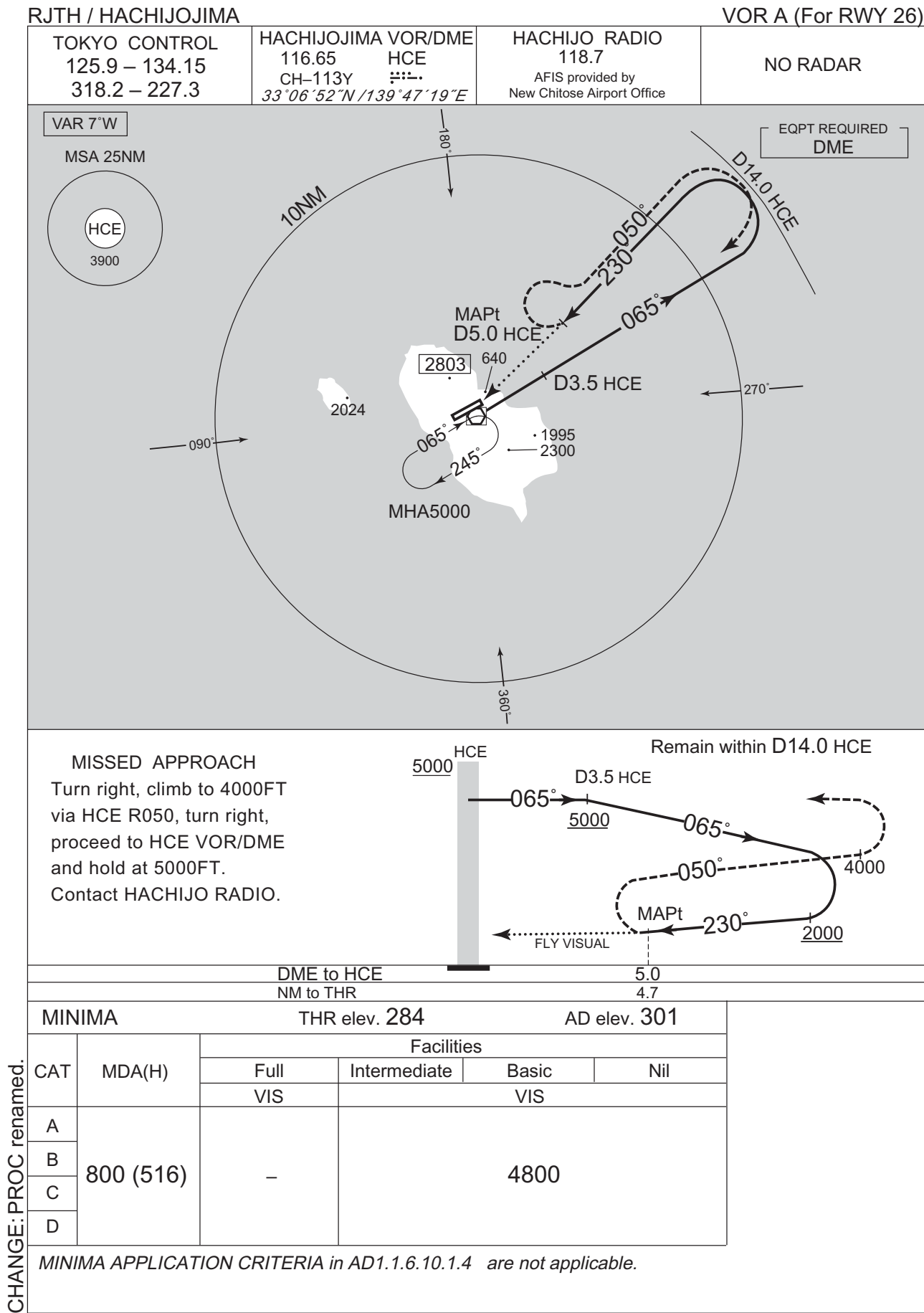


Circling NOT authorized.

INSTRUMENT APPROACH CHART




INSTRUMENT APPROACH CHART



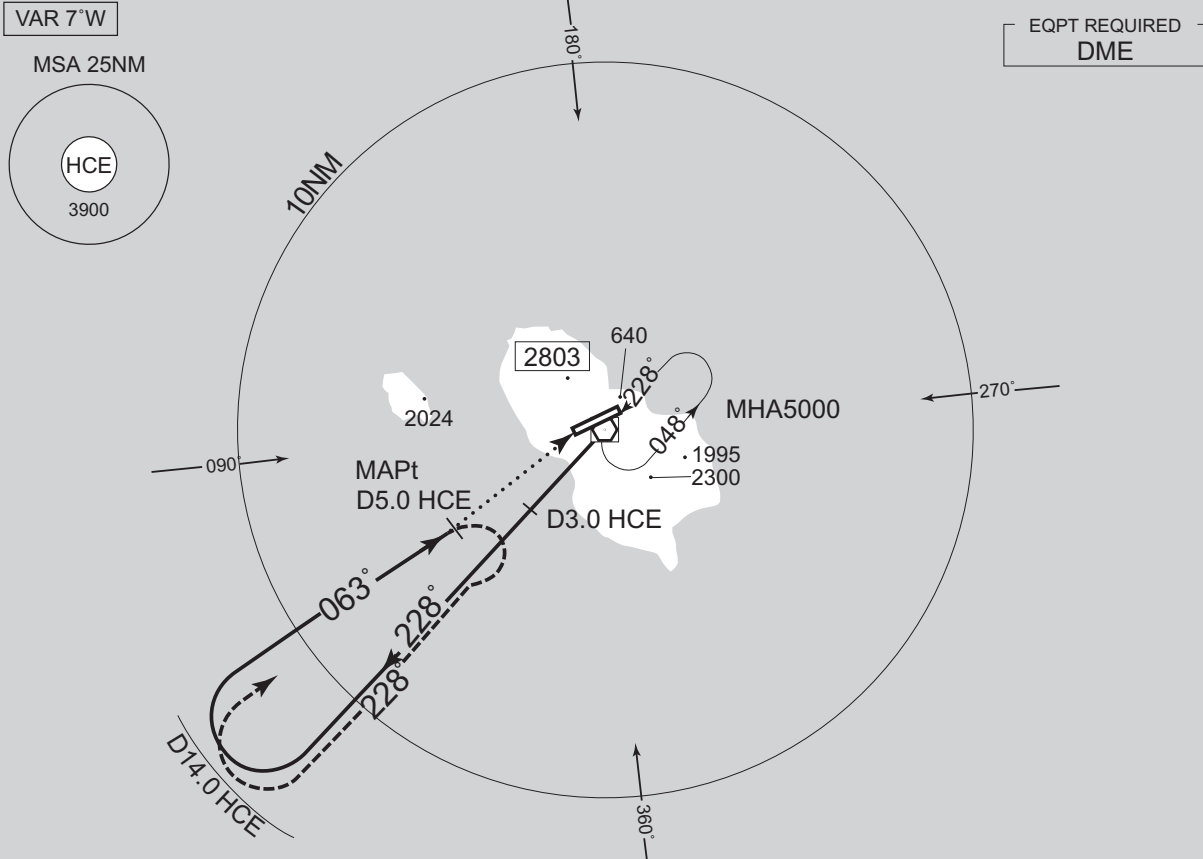
RJTH / HACHIOJIMA

TOKYO CONTROL
125.9 – 134.15
318.2 – 227.3

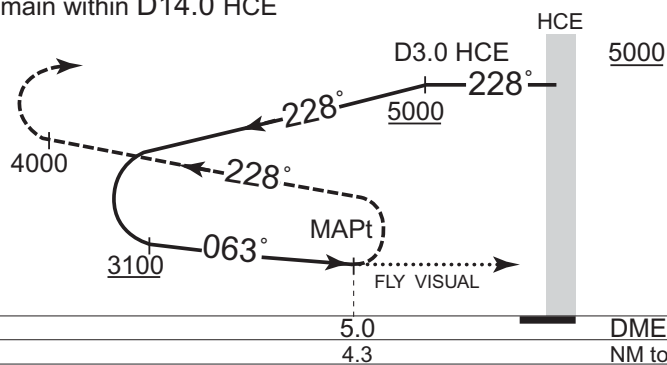
HACHIJOJIMA VOR/DME
116.65 HCE
CH-113Y 
33°06'52"N/139°47'19"E

HACHIJO RADIO
118.7
AFIS provided by
New Chitose Airport Office

NO RADAR



Remain within D14.0 HCE



MISSED APPROACH
Turn right, climb to 4000FT via
HCE R228, turn right,
proceed to HCE VOR/DME
and hold at 5000FT.
Contact HACHIJO RADIO.

MINIMA		THR elev. 282			AD elev. 301	
CAT	MDA(H)	Facilities				
		Full	Intermediate	Basic	Nil	
		VIS			VIS	
A	800 (518)	—			4800	
B						
C						
D						

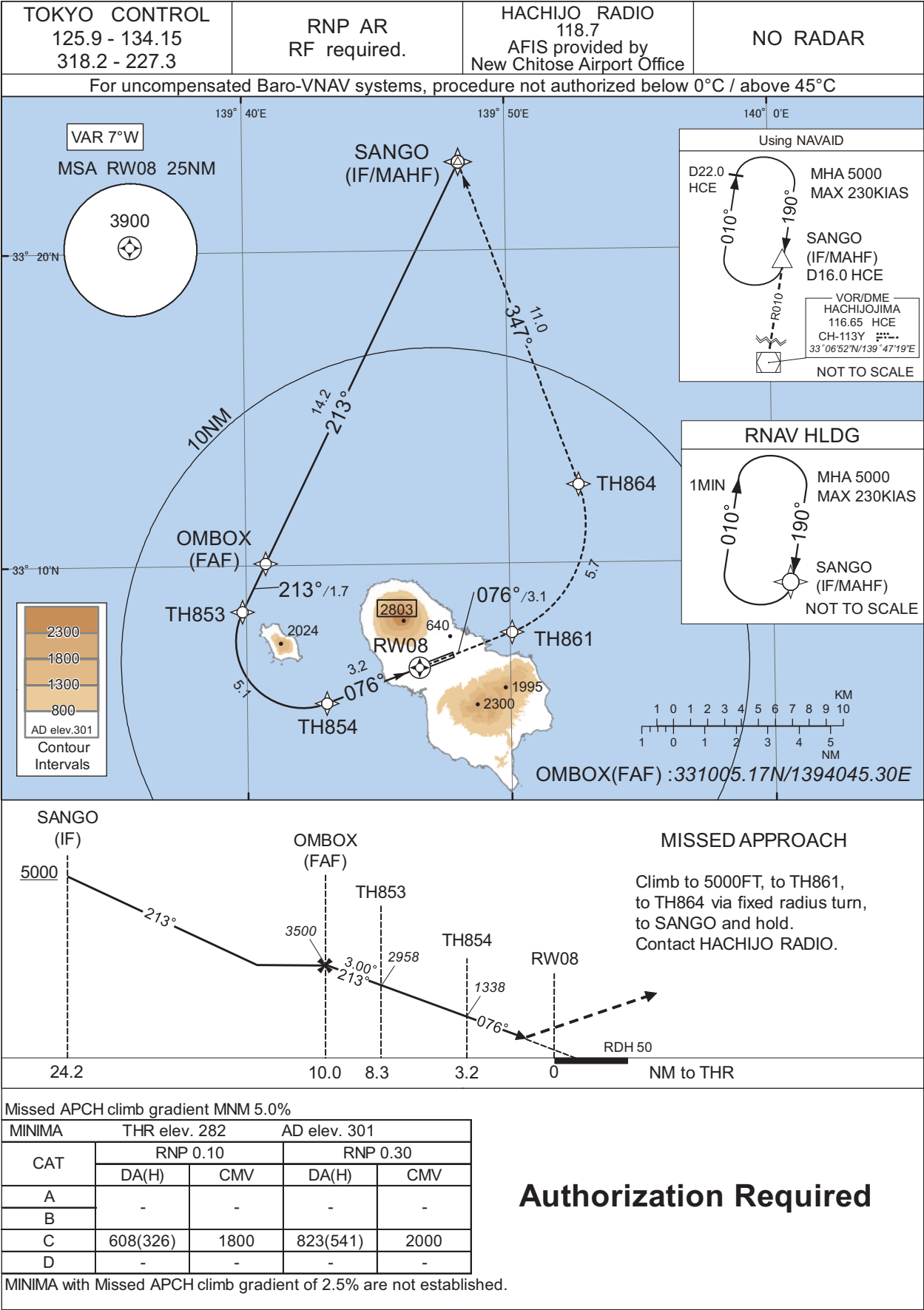
MINIMA APPLICATION CRITERIA in AD1.1.6.10.1.4 are not applicable.

CHANGE: PROC renamed.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA

RNP Z RWY08(AR)



INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Z RWY08(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	SANGO	-	-	-7.0	-	-	+5000	-	-	-
002	TF	OMBOX	-	213 (206.1)	-7.0	14.2	-	3500	-	-	1.0
003	TF	TH853	-	213 (206.1)	-7.0	1.7	-	2958	-	-3.00	0.10 0.30
004	RF Center: THRF3 r=2.13NM	TH854	-	-	-7.0	5.1	L	1338	-	-3.00	0.10 0.30
005	TF	RW08	Y	076 (069.4)	-7.0	3.2	-	332	-	-3.00/50	0.10 0.30
006	TF	TH861	-	076 (069.5)	-7.0	3.1	-	-	-	-	0.10 0.30
007	RF Center: THRF4 r=3.67NM	TH864	-	-	-7.0	5.7	L	-	-	-	1.0
008	TF	SANGO	-	347 (340.3)	-7.0	11.0	-	5000	-	-	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	SANGO	190 (182.8)	-6.9	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

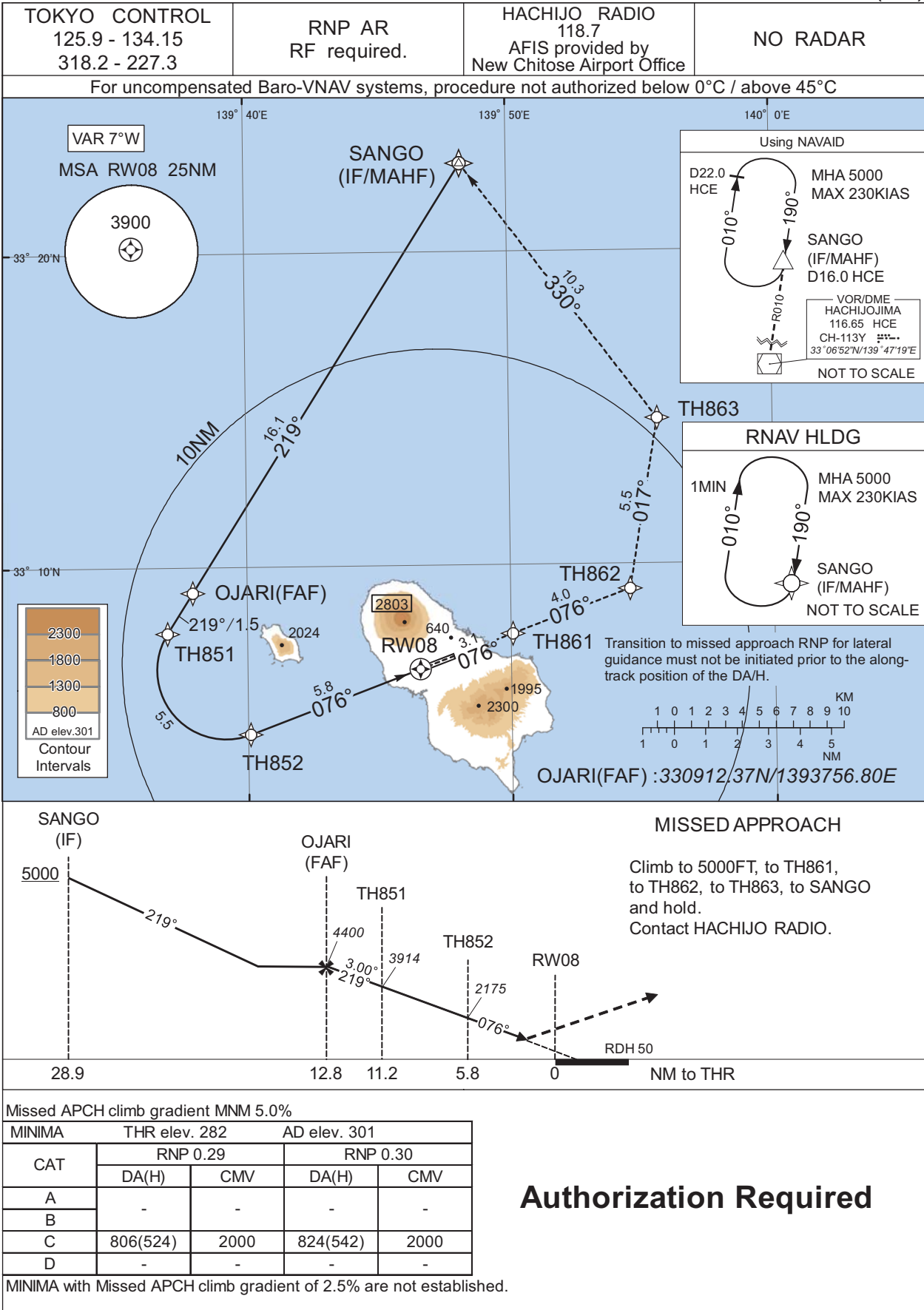
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SANGO	332250.44N / 1394814.02E	THRF3	330736.61N / 1394208.22E
OMBOX	331005.17N / 1394045.30E	THRF4	331116.16N / 1394832.59E
TH853	330833.19N / 1393951.52E		
TH854	330536.55N / 1394301.55E		
RW08	330643.03N / 1394633.07E		
TH861	330749.27N / 1395004.24E		
TH864	331230.95N / 1395239.67E		

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA

RNP Y RWY08(AR)



CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Y RWY08(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	SANGO	-	-	-6.9	-	-	+5000	-	-	-
002	TF	OJARI	-	219 (212.3)	-6.9	16.1	-	4400	-	-	1.0
003	TF	TH851	-	219 (212.2)	-6.9	1.5	-	3914	-	-3.00	0.29 0.30
004	RF Center: THRF1 r=2.19NM	TH852	-	-	-6.9	5.5	L	2175	-	-3.00	0.29 0.30
005	TF	RW08	Y	076 (069.4)	-6.9	5.8	-	332	-	-3.00/50	0.29 0.30
006	TF	TH861	-	076 (069.5)	-6.9	3.1	-	-	-	-	0.29 0.30
007	TF	TH862	-	076 (069.5)	-6.9	4.0	-	-	-	-	1.0
008	TF	TH863	-	017 (009.6)	-6.9	5.5	-	-	-	-	1.0
009	TF	SANGO	-	330 (323.0)	-6.9	10.3	-	5000	-	-	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	SANGO	190 (182.8)	-6.9	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

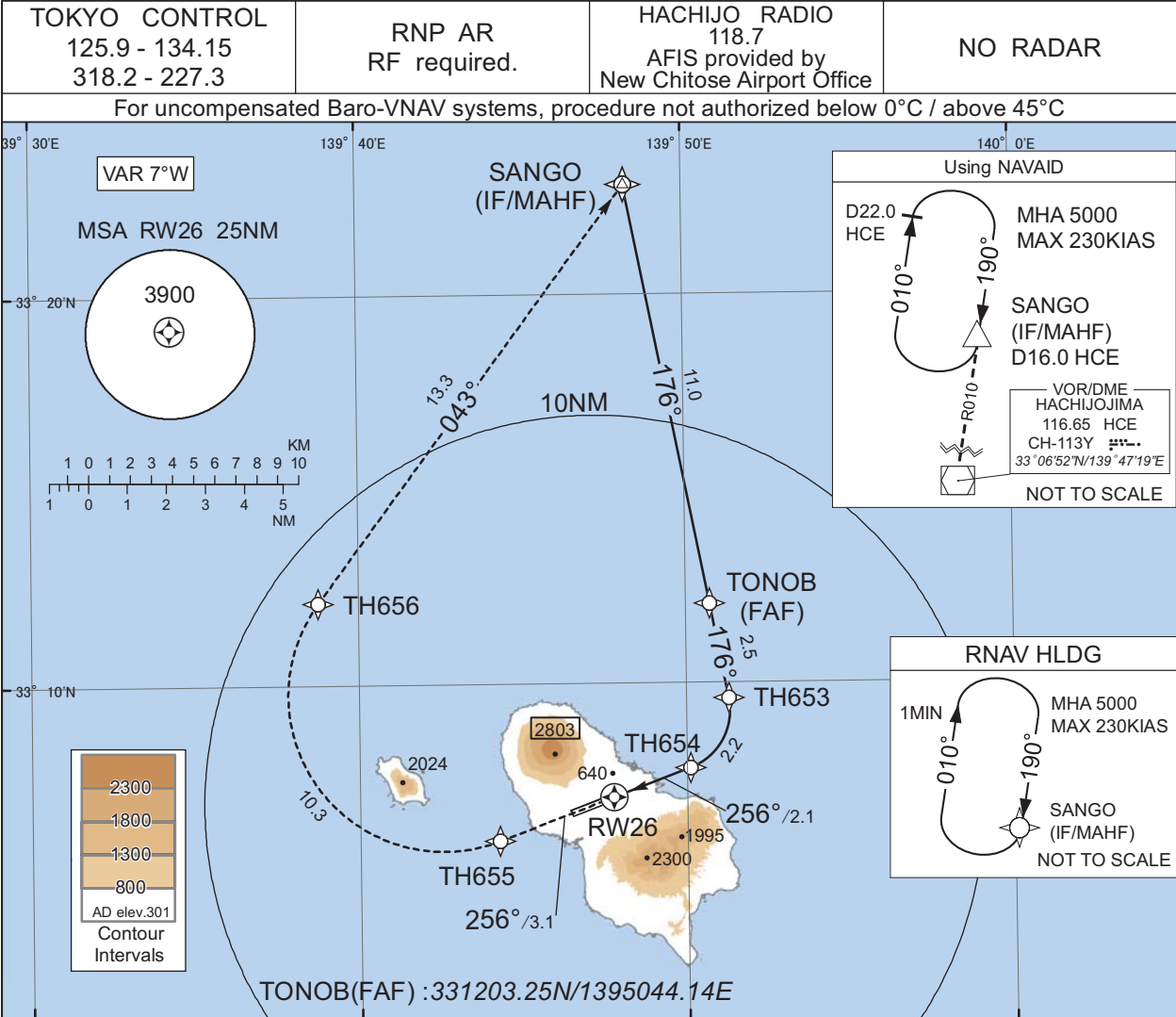
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SANGO	332250.44N / 1394814.02E	THRF1	330644.49N / 1393910.78E
OJARI	330912.37N / 1393756.80E		
TH851	330754.90N / 1393658.54E		
TH852	330441.17N / 1394005.63E		
RW08	330643.03N / 1394633.07E		
TH861	330749.27N / 1395004.24E		
TH862	330913.15N / 1395432.21E		
TH863	331439.22N / 1395537.92E		

CHANGE : PROC renamed.

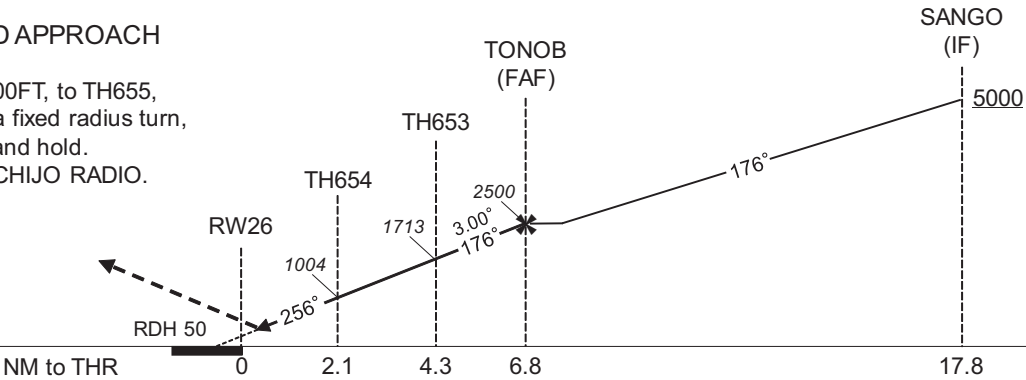
INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA RNP Z RWY26(AR)



MISSED APPROACH

Climb to 5000FT, to TH655,
to TH656 via fixed radius turn,
to SANGO and hold.
Contact HACHIOJIO RADIO.



CHANGE : New PROC.

Missed APCH climb gradient MNM 5.0%				
CAT	THR elev. 284		AD elev. 301	
	RNP 0.10		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	545(261)	1200	844(560)	1600
D	-	-	-	-

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

Authorization Required

INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Z RWY26(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	SANGO	-	-	-7.0	-	-	+5000	-	-	-
002	TF	TONOB	-	176 (169.0)	-7.0	11.0	-	2500	-	-	1.0
003	TF	TH653	-	176 (169.0)	-7.0	2.5	-	1713	-	-3.00	0.10 0.30
004	RF Center: THRF5 r=1.58NM	TH654	-	-	-7.0	2.2	R	1004	-	-3.00	0.10 0.30
005	TF	RW26	Y	256 (249.5)	-7.0	2.1	-	334	-	-3.00/50	0.10 0.30
006	TF	TH655	-	256 (249.5)	-7.0	3.1	-	-	-	-	0.10 0.30
007	RF Center: THRF6 r=4.00NM	TH656	-	-	-7.0	10.3	R	-	-	-	0.30
008	TF	SANGO	-	043 (036.4)	-7.0	13.3	-	5000	-	-	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	SANGO	190 (182.8)	-6.9	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

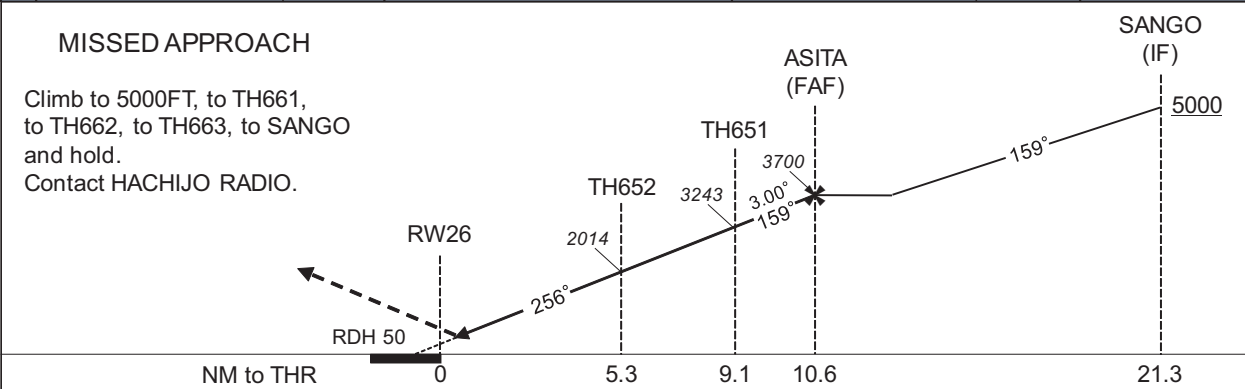
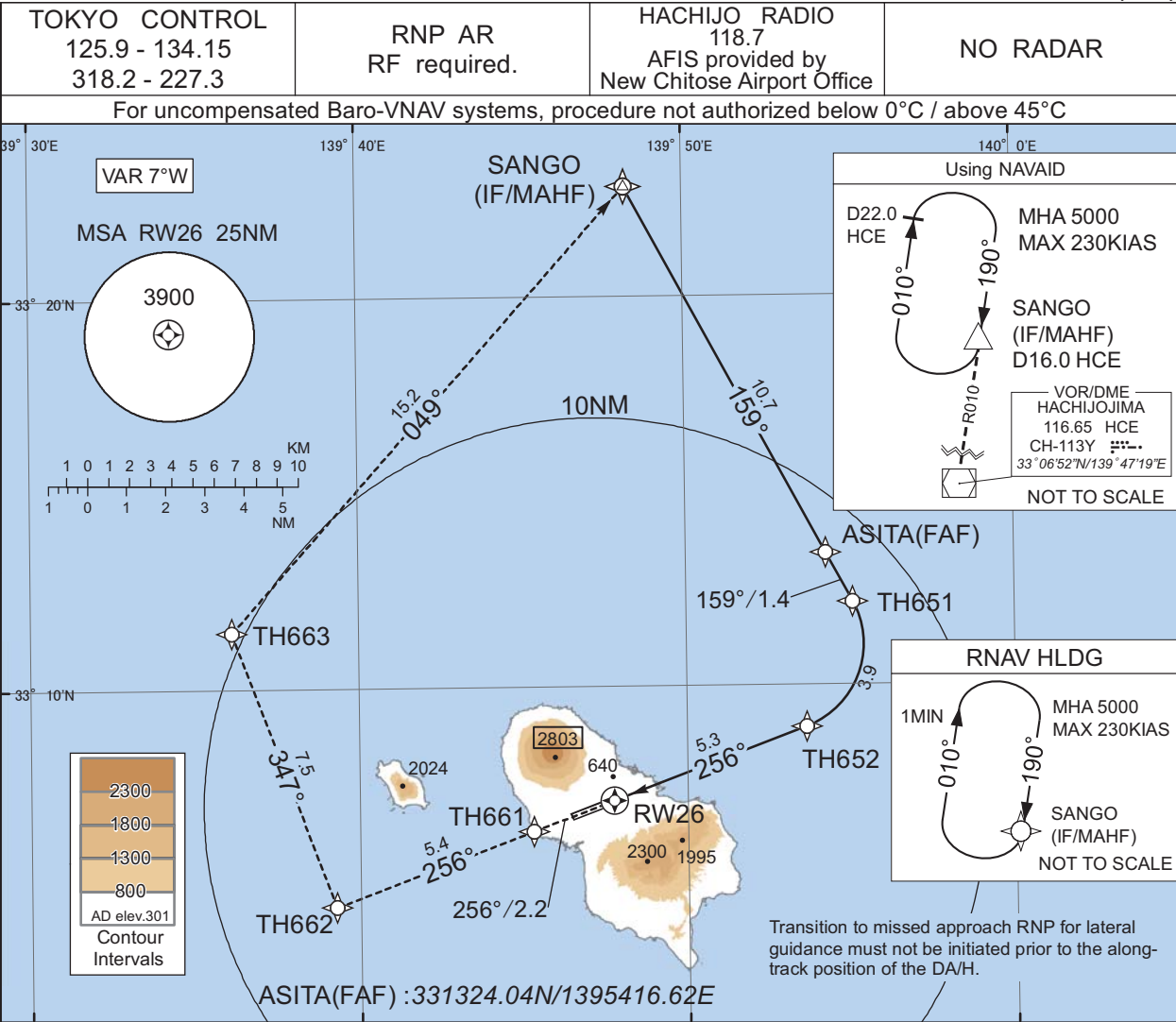
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SANGO	332250.44N / 1394814.02E	THRF5	330919.08N / 1394926.90E
TONOB	331203.25N / 1395044.14E	THRF6	330944.94N / 1394235.78E
TH653	330937.26N / 1395117.91E		
TH654	330749.94N / 1395006.37E		
RW26	330705.72N / 1394745.36E		
TH655	330559.88N / 1394415.73E		
TH656	331208.05N / 1393846.29E		

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJTH / HACHIOJIMA RNP Y RWY26(AR)



CHANGE : PROC renamed.

Missed APCH climb gradient MNM 5.9% for RNP 0.21
Missed APCH climb gradient MNM 5.0% for RNP 0.30

CAT	RNP 0.21		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	617(333)	1400	844(560)	1600
D	-	-	-	-

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

Authorization Required

INSTRUMENT APPROACH CHART

RJTH / HACHIJOJIMA

RNP Y RWY26(AR)

Coding Table

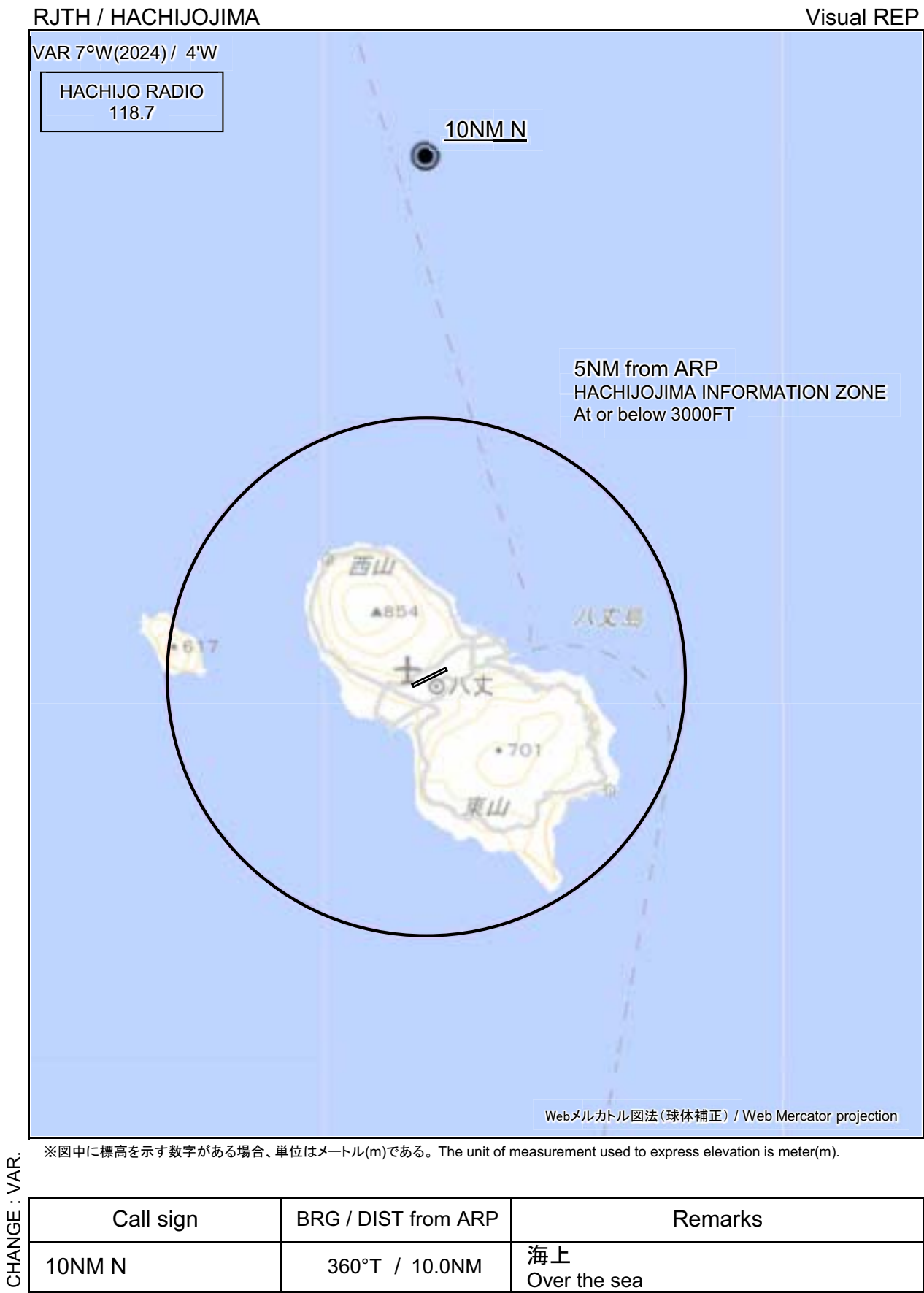
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	SANGO	-	-	-6.9	-	-	+5000	-	-	-
002	TF	ASITA	-	159 (151.8)	-6.9	10.7	-	3700	-	-	1.0
003	TF	TH651	-	159 (151.9)	-6.9	1.4	-	3243	-	-3.00	0.21 0.30
004	RF Center: THRF2 r=2.26NM	TH652	-	-	-6.9	3.9	R	2014	-	-3.00	0.21 0.30
005	TF	RW26	Y	256 (249.5)	-6.9	5.3	-	334	-	-3.00/50	0.21 0.30
006	TF	TH661	-	256 (249.5)	-6.9	2.2	-	-	-	-	0.21 0.30
007	TF	TH662	-	256 (249.4)	-6.9	5.4	-	-	-	-	1.0
008	TF	TH663	-	347 (339.6)	-6.9	7.5	-	-	-	-	1.0
009	TF	SANGO	-	049 (041.6)	-6.9	15.2	-	5000	-	-	1.0

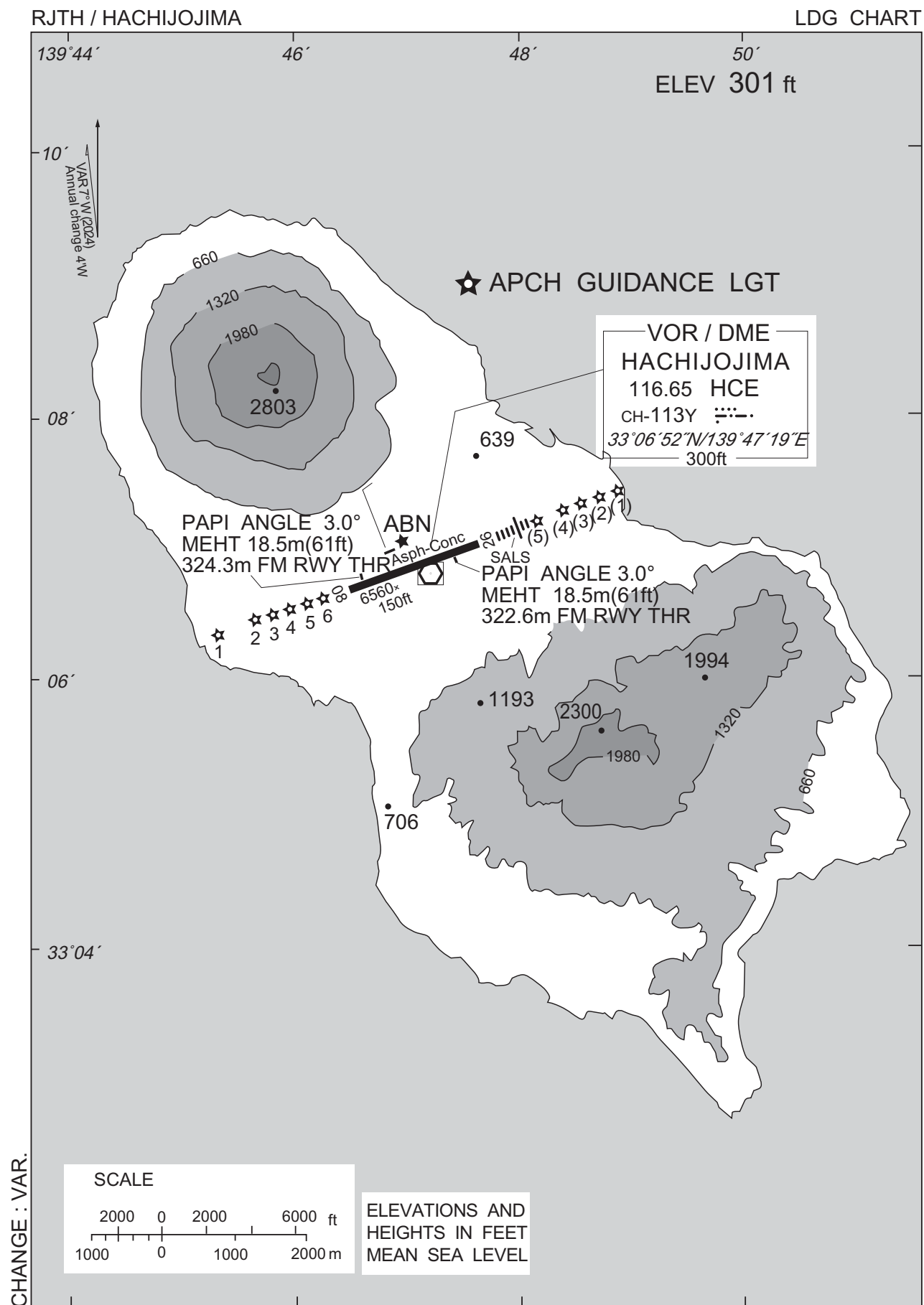
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	SANGO	190 (182.8)	-6.9	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SANGO	332250.44N / 1394814.02E	THRF2	331103.88N / 1395242.68E
ASITA	331324.04N / 1395416.62E		
TH651	331208.17N / 1395505.07E		
TH652	330856.50N / 1395339.00E		
RW26	330705.72N / 1394745.36E		
TH661	330619.39N / 1394517.79E		
TH662	330425.68N / 1393916.49E		
TH663	331127.97N / 1393608.44E		

CHANGE : PROC renamed.





RJTH / HACHIOJIMA

Minimum Vectoring Altitude CHART



CENTER : 330654N/1394709E (ARP)

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