

RJAH / HYAKURI

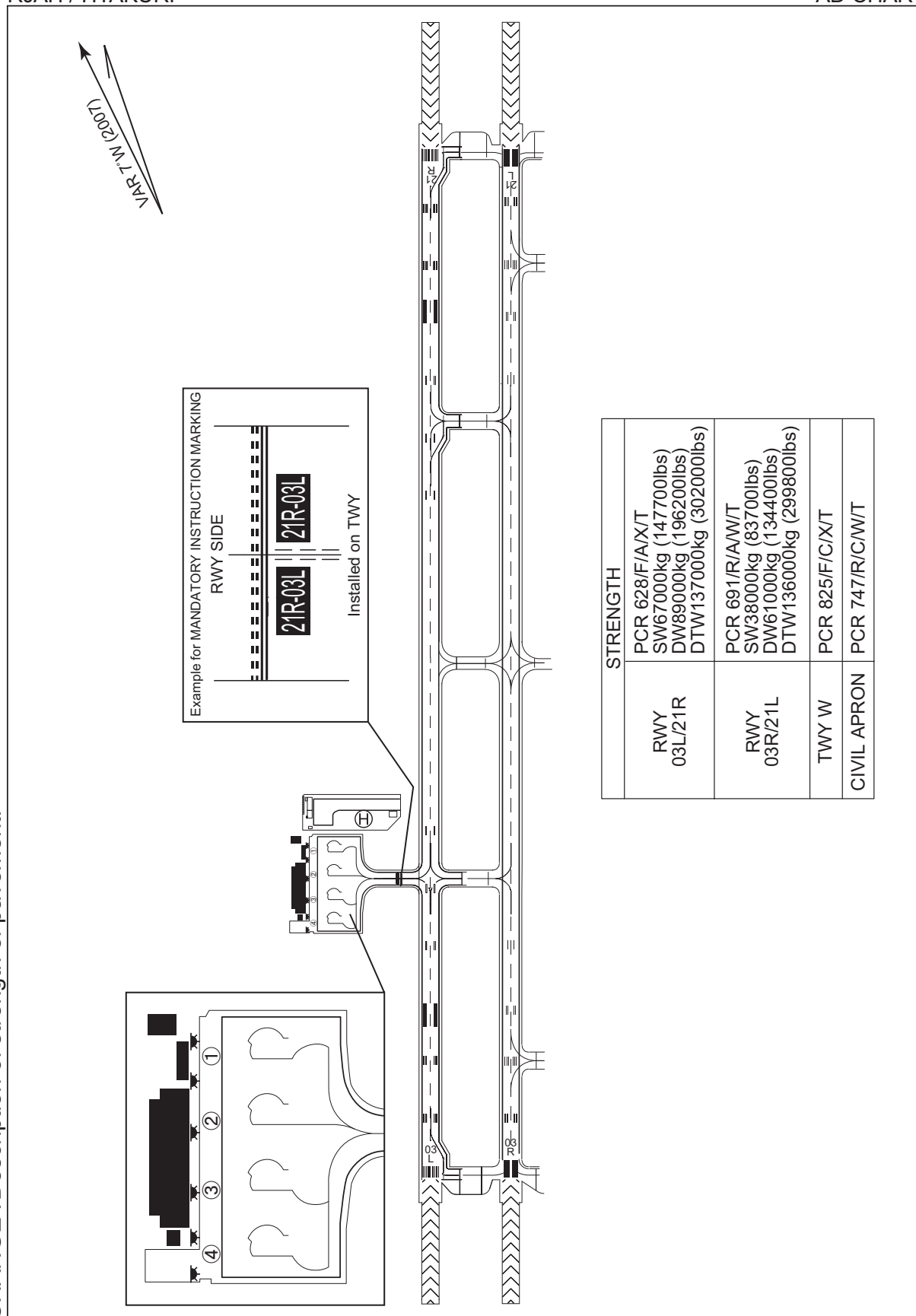
AD CHART



RJAH / HYAKURI

## AD CHART

CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

OGITU TWO DEPARTURE

RWY 03R/03L : Climb RWY HDG to 600FT,...

RWY 21R/21L : Climb RWY HDG to 600FT, turn right HDG 062° to intercept and proceed...

...via HUC R032 to OGITU.

Cross HUC R032/5.5DME at or below 7000FT, cross OGITU at or below 10000FT.

Note This SID for VOR equipped aircraft only.

RWY03L : 4.1% climb gradient required up to 600FT.

OBST ALT 141FT located at 0.1NM 338° FM end of RWY03L.

IWAKI TRANSITION

From over OGITU, proceed via IXE R213 to IXE VOR/DME.

OKUJI TRANSITION

From over OGITU, via HUC R032 to 32.5DME, turn left to intercept and proceed via HUC 35.2DME counterclockwise ARC to OKUJI.

Cross OKUJI at or above 9000FT.

CHANGE : Editorial(DIST FM HUC to OGITU).



## STANDARD DEPARTURE CHART - INSTRUMENT

RJAHH / HYAKURI

SID

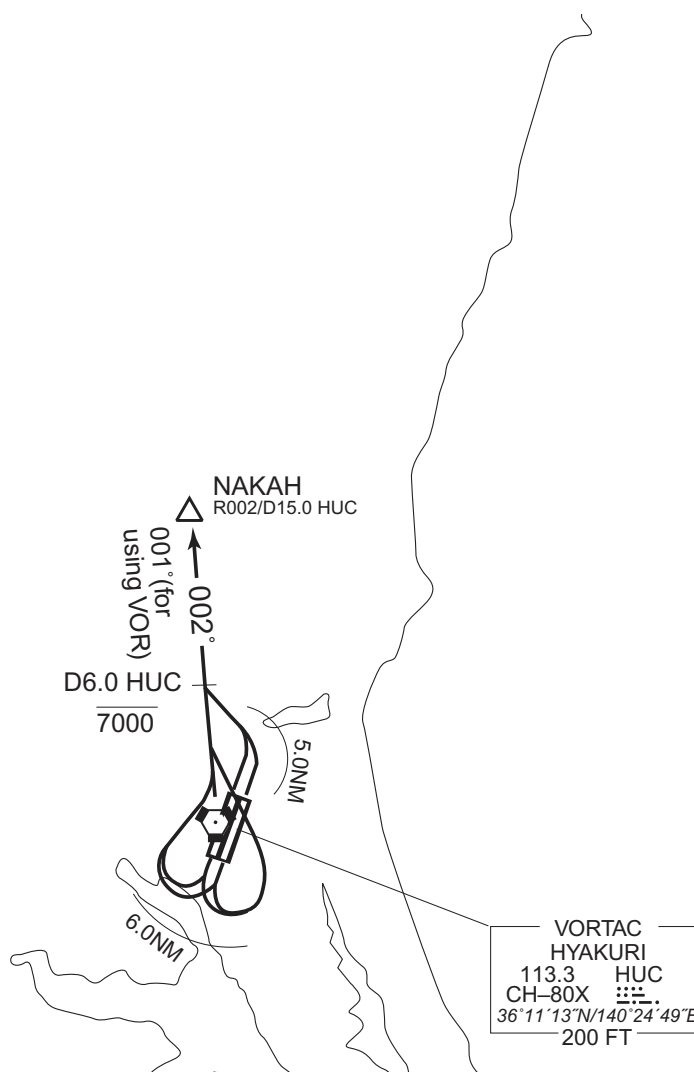
NAKAH FOUR DEPARTURE

RWY 03R/03L : Turn left within 5.0NM....

RWY 21R/21L : Turn right or left within 6.0NM....

....climb via HUC R002(R001 for using VOR) to NAKAH.

Cross HUC R002(R001 for using VOR) /6.0DME at or below 7000FT.



CHANGE : NIKKO TRANSITION abolished. NIKKO NDB(JD) abolished.

STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

HOKTA FIVE DEPARTURE

RWY 03R/03L : Climb via RWY HDG until 1.0NM from RWY end/HUC 1.4DME,  
turn right within 5.0NM....

RWY 21R/21L : Turn left within 6.0NM....

....climb via HUC R071 to HOKTA.

Cross HUC R071/19.3DME at or below 8000FT, cross HOKTA at or  
above 11000FT.

Note1 : Take off RWY 21R/21L, cross HUC R130 at or below 5000FT.

Note2 : This SID for TACAN equipped aircraft only.

HOKTA EAST FIVE DEPARTURE

RWY 03R/03L : Climb via RWY HDG until 1.0NM from RWY end/HUC 1.4DME,  
turn right within 5.0NM....

RWY 21R/21L : Turn left within 6.0NM....

....climb via HUC R091 to HUC 27.0DME, turn left via HUC 27.0DME  
counterclockwise ARC to HOKTA.

Cross HUC R091/23.0DME at or below 8000FT, cross HOKTA at or  
above 11000FT.

Note1 : Take off RWY 21R/21L, cross HUC R130 at or below 5000FT.

Note2 : This SID for TACAN equipped aircraft only.

MATSUSHIMA TRANSITION

From over HOKTA, via CVT R015 to CVT 59.0DME, MXT R195 to MXT TACAN.

Cross CVT R015/59.0DME (MXT R195/103.0DME) at assigned altitude.

Note CVT R015/59.0DME (MXT R195/103.0DME) : MXT MRA 12000FT.

DAIGO TRANSITION

From over HOKTA, via CVT R015 to DAPPE, via GOT R117 to GOT TACAN.

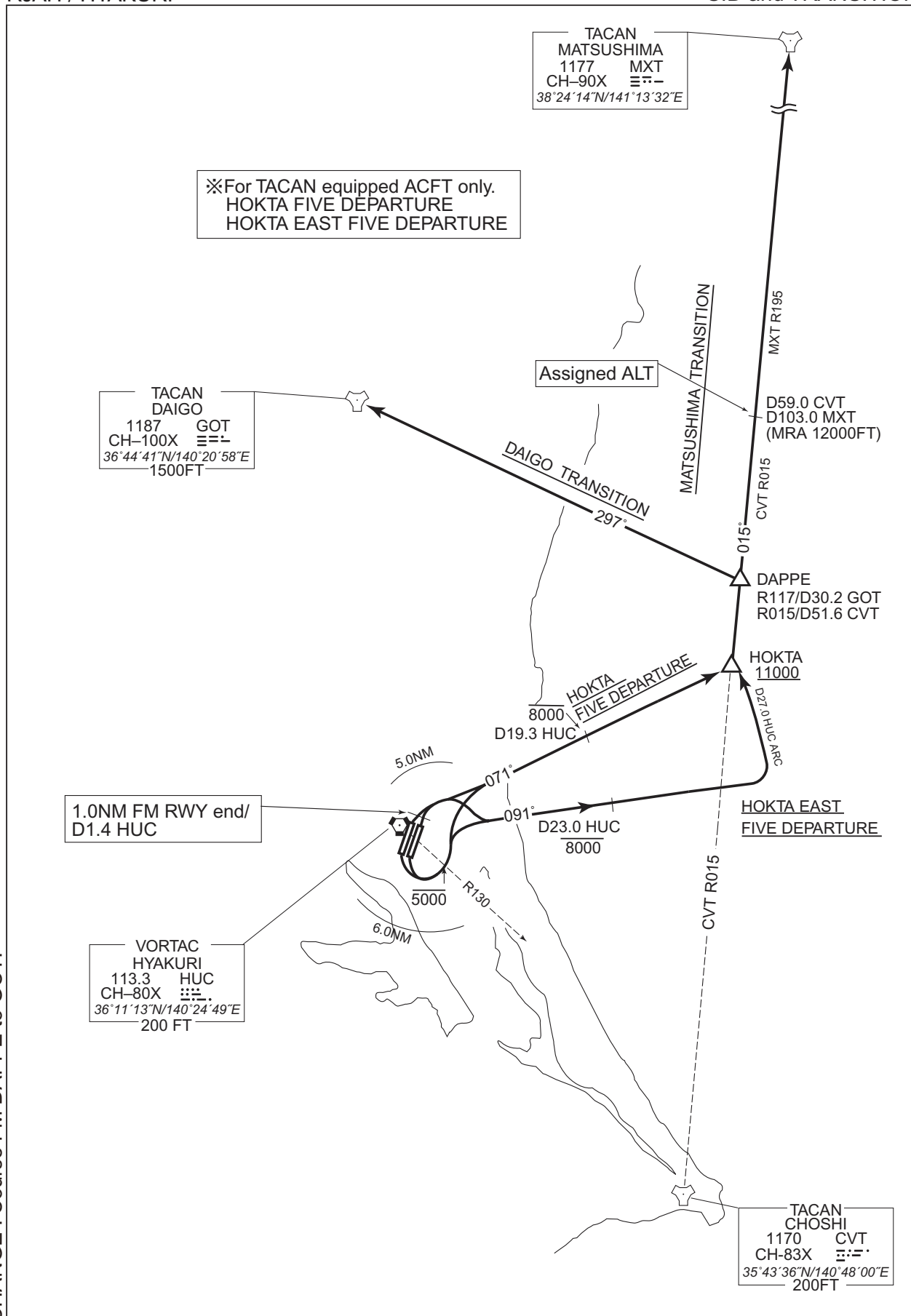
CHANGE : Course FM DAPPE to GOT.

STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

CHANGE : Course FM DAPPE to GOT.



STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

DAPPE ONE DEPARTURE

RWY 03R/03L : Climb via RWY HDG until 1.0NM from RWY end/HUC 1.4DME,  
turn right within 5.0NM....

RWY 21R/21L : Turn left within 6.0NM....

....climb via HUC R055 to DAPPE.

Cross HUC R055/31.0DME at or below 10000FT.

Note1 : Take off RWY 21R/21L, cross HUC R130 at or below 5000FT.

Note2 : This SID for TACAN equipped aircraft only.

CHOSHI TRANSITION

From over DAPPE, via CVT R015 to CVT TACAN via ANKOH.

Cross ANKOH at or above FL170.

HYAKURI TRANSITION

From over DAPPE, via CVT R015 to ANKOH, via HUC R089 to HUC VORTAC.

Cross ANKOH at or above FL170.

CHANGE: ANKOH established

STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

※For TACAN equipped ACFT only.  
DAPPE ONE DEPARTURE

1.0NM FM RWY end/  
D1.4 HUC

VORTAC  
HYAKURI  
113.3 HUC  
CH-80X  
36°11'13"N/140°24'49"E  
200 FT

DAPPE ONE DEPARTURE

10000  
D31.0 HUC

055°

DAPPE  
R055/D34.7 HUC  
R015/D51.6 CVT

5.0NM

5000

6.0NM

HYAKURI TRANSITION

R130

269°

CHOSHI TRANSITION

ANKOH  
FL170  
R015/D31.3 CVT  
R089/D23.2 HUC

195°

TACAN  
CHOSHI  
1170 CVT  
CH-83X  
35°43'36"N/140°48'00"E  
200FT

CHANGE: ANKOH established



## RJAH / HYAKURI

## RNAV SID

VAR 8°W

2100  
1600  
1100  
600  
AD elev.107  
Contour Intervals

1750  
2326  
1814  
2878  
1512

TACAN  
DAIGO  
1187 GOT  
CH-100X  
36°44'41"N/140°20'58"E  
1500FT

2145  
2409  
2159  
2044

OGITU  
363831.7N  
1404022.8E  
10000

LICEN  
361830.6N  
1402857.4E

H1R00  
361413.1N  
1401954.3E  
3000

DME  
AMI  
1194 TLD  
CH-107X  
36°01'16"N/140°12'21"E  
100FT

VORTAC  
HYAKURI  
113.3 HUC  
CH-80X  
36°11'13"N/140°24'49"E  
200FT

7000 (for RWY03L)  
7000 (for RWY21R)  
4000

22.0  
032°  
8.5  
067°  
029°  
208°

600  
600

5 0 5 10 15 20  
2 0 2 4 6 8 10 12  
KM  
NM

RWY03R : (Not established)  
 RWY03L : Climb on HDG028° at or above 600FT, direct to LICEN at or below 7000FT,  
 to OGITU at or below 10000FT.  
 RWY21L : (Not established)  
 RWY21R : Climb on HDG208° at or above 600FT, turn right direct to H1R00 at or below  
 3000FT, to LICEN at 4000FT minimum, 7000FT maximum, to OGITU at or  
 below 10000FT.

Note RWY03L : 4.1% climb gradient required up to 600FT.  
 OBST ALT 141FT located at 0.1NM 338° FM end of RWY03L.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJAHH / HYAKURI

RNAV SID

HITAKA ONE DEPARTURE

## RWY03L

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	-	-	028 (019.8)	-7.8	-	-	+600	-	-	RNAV1
002	DF	LICEN	-	-	-7.8	-	-	-7000	-	-	RNAV1
003	TF	OGITU	-	032 (024.6)	-7.8	22.0	-	-10000	-	-	RNAV1

## RWY21R

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	-	-	208 (199.8)	-7.8	-	-	+600	-	-	RNAV1
002	DF	H1R00	-	-	-7.8	-	R	-3000	-	-	RNAV1
003	TF	LICEN	-	067 (059.5)	-7.8	8.5	-	-7000 +4000	-	-	RNAV1
004	TF	OGITU	-	032 (024.6)	-7.8	22.0	-	-10000	-	-	RNAV1

CHANGE : New PROC.

STANDARD ARRIVAL CHART -INSTRUMENT

RJAH / HYAKURI

STAR

DAIGO ARRIVAL

From over GOT TACAN, proceed via GOT R121 to JYUOH,  
turn right via HUC 30.0DME clockwise ARC to intercept and  
proceed via HUC R080 to TAIYO.

Cross JYUOH at or above 6000FT.

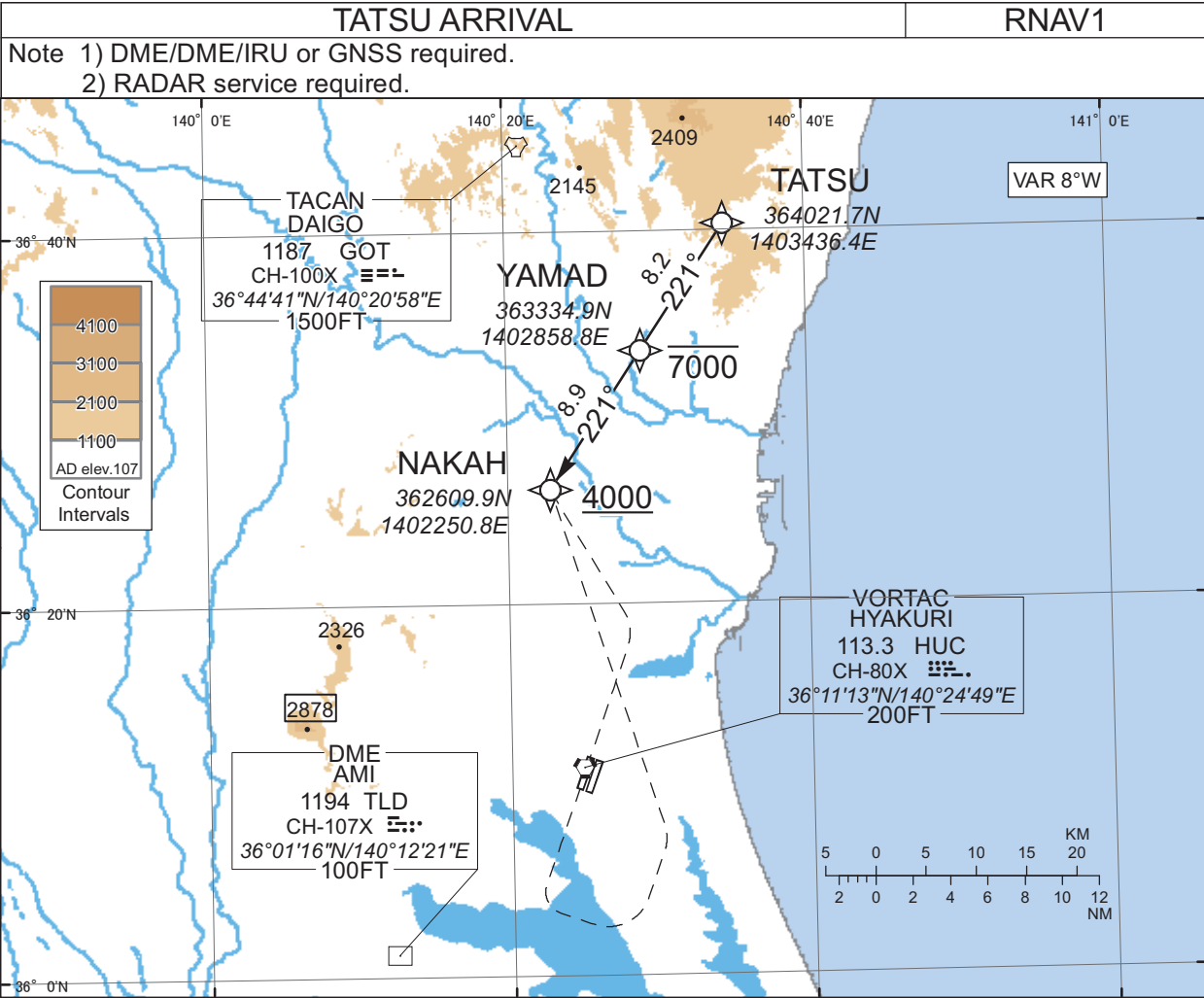
CHANGE : Course, DIST FM GOT to JYUOH.



STANDARD ARRIVAL CHART -INSTRUMENT

RJAH / HYAKURI

RNAV STAR



From TATSU, to YAMAD at or below 7000FT, to NAKAH at or above 4000FT.

Critical DME	-
DME GAP	-
Inappropriate Nav aids	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	TATSU	-	-	-7.8	-	-	-	-	-	RNAV1
002	TF	YAMAD	-	221 (213.7)	-7.8	8.2	-	-7000	-	-	RNAV1
003	TF	NAKAH	-	221 (213.6)	-7.8	8.9	-	+4000	-	-	RNAV1

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

ILS Z or LOC Z RWY03R

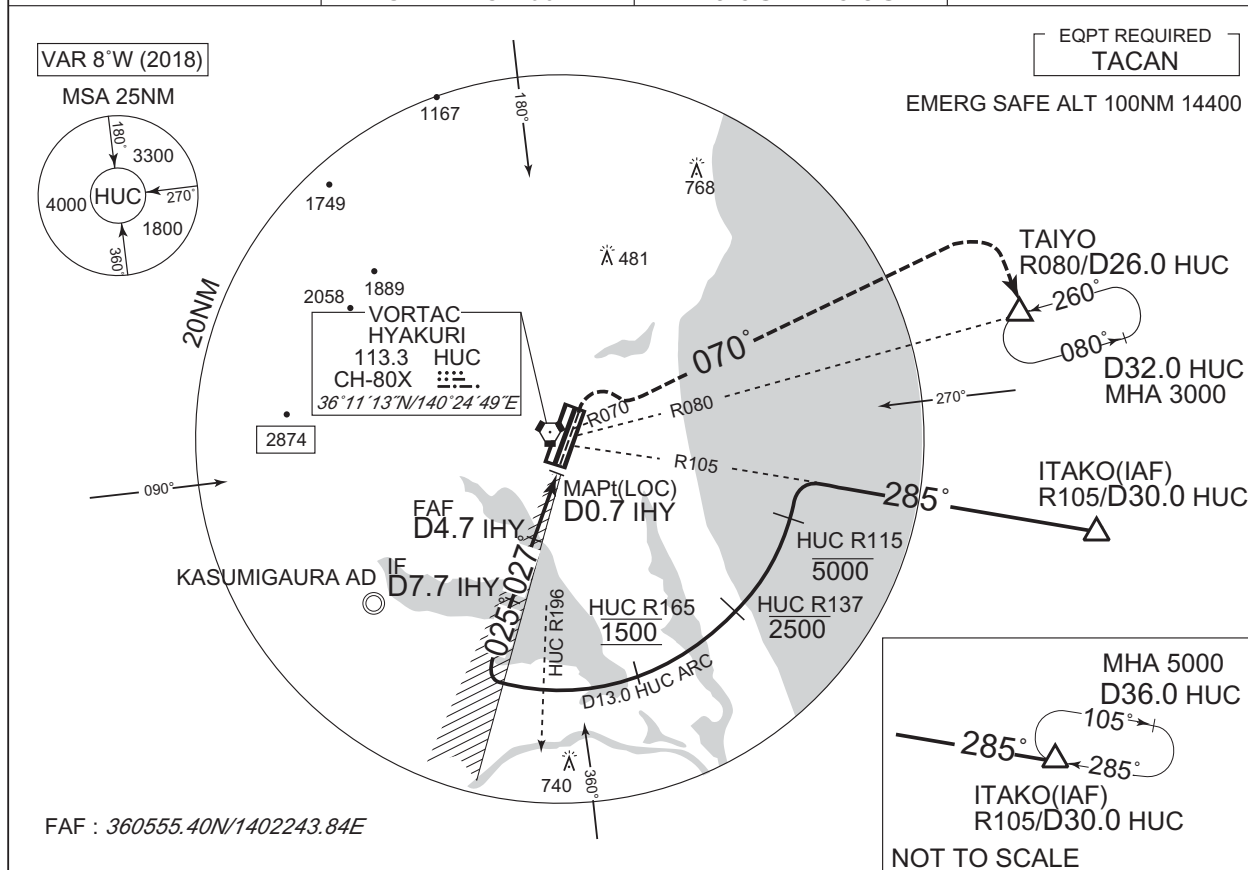


INSTRUMENT APPROACH CHART

RJAH / HYAKURI

ILS Y or LOC Y RWY03R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	ILS - LOC 109.3 IHY 332.0 ILS-GP 332.0 ILS-DME CH-30X	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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DME to IHY	0.7	1.4	4.7	7.7	
NM to THR	0	0.5	1.2	4.5	7.5

CHANGE : MDA(H) for LOC.

MINIMA		THR elev. 107		AD elev. 107		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	307 (200)	750	520 (413)	900	580 (473)	1600
B				1000		
C					1400	660 (553)
D				3200		

## RJAH / HYAKURI

ILS X or LOC X RWY03R

**MISSED APPROACH**

Climb on HDG027° to 600FT,  
turn left climb to 4000FT via  
HUC R001 to NAKAH and hold.  
Contact HYAKURI APP.

Timing not authorized for defining the MAPt.

NAKAH (IAF) 7000 4000 181° 115° 1500 1477(LOC) IF 1500 027° 025° 1500 2500 R115/ D11.0 5000 4000 R205 R137 R165 1500 2500 D13.0 ARC 800 (693) MDA RDH54 001° 600 HDG027° MAPt (LOC) VDP (LOC) 1500 027° 025° 1500 2500

MINIMA							THR elev. 107		AD elev. 107	
CAT	CAT I		LOC		CIRCLING					
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS				
A	307 (200)	750	510 (403)	900	580 (473)	1600				
B				1000						
C							2400			
D							1400	660 (553)	3200	

INSTRUMENT APPROACH CHART

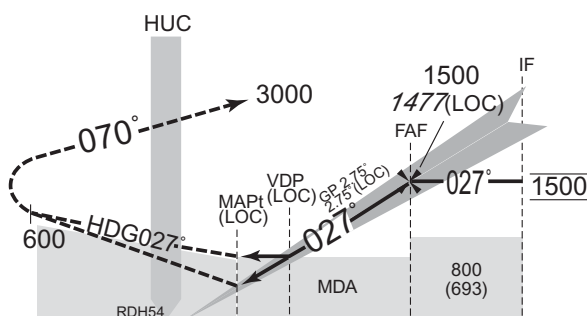
RJAH / HYAKURI

ILS W or LOC W RWY03R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	ILS - LOC 109.3 IHY 330.0 ILS-GP 332.0 ILS-DME CH-30X	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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**MISSED APPROACH**  
Climb on HDG027° to 600FT,  
turn right climb to 3000FT  
via HUC R070, via HUC 26.0DME  
clockwise ARC to TAIYO and hold.  
Contact HYAKURI APP.



Timing not authorized for defining the MAPt.

	DME to IHY	0.7	1.4	4.7	7.7	
	NM to THR	0	0.5	1.2	4.5	7.5

CHANGE : MDA(H) for LOC.

MINIMA		THR elev. 107		AD elev. 107		
CAT	CAT I	LOC		CIRCLING		
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	307 (200)	750	520 (413)	900	580 (473)	1600
B				1000		
C				1400	660 (553)	2400
D						3200



INSTRUMENT APPROACH CHART

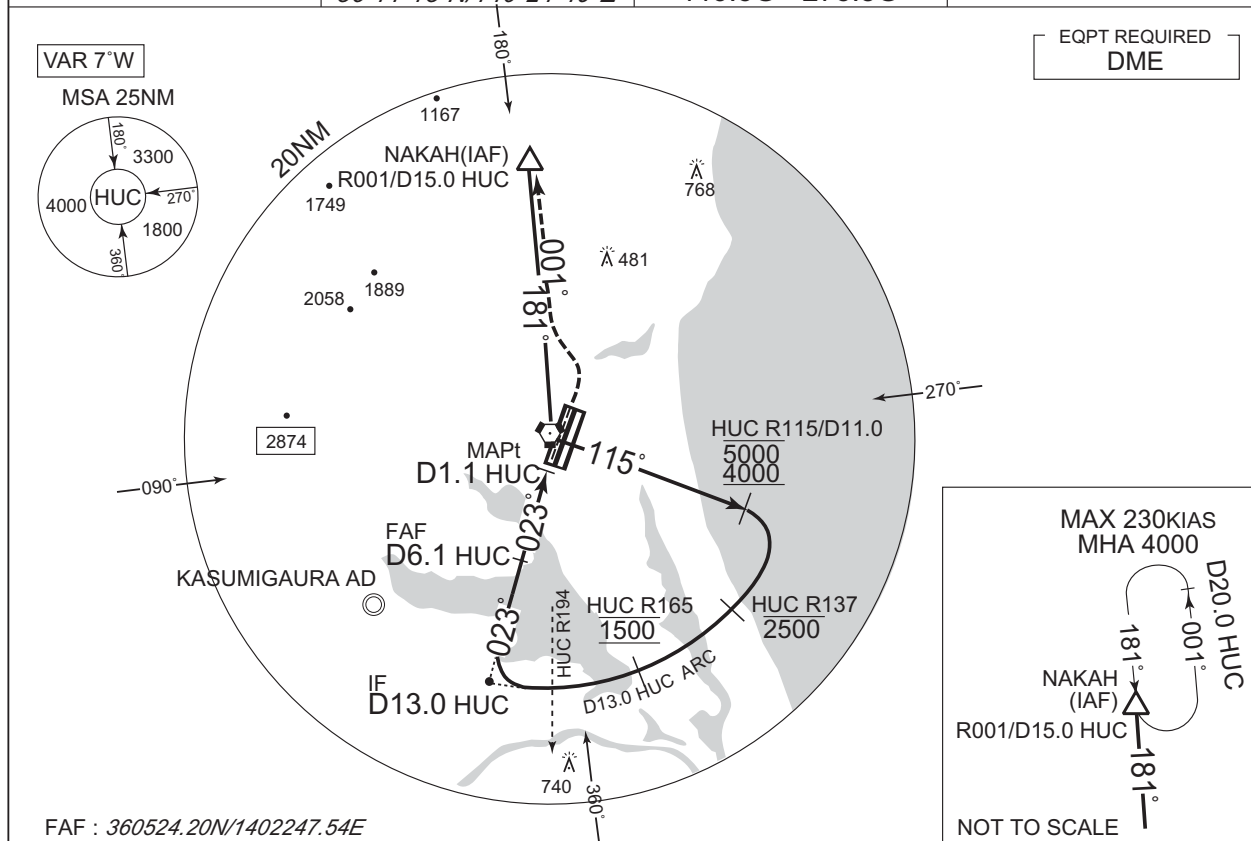
RJAH / HYAKURI

VOR RWY03R

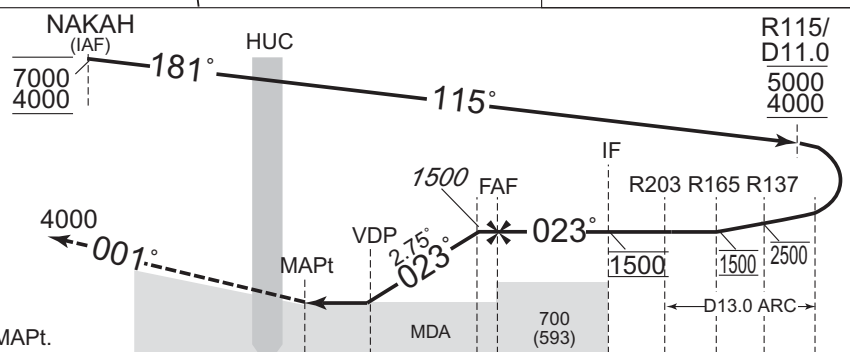


## RJAH / HYAKURI

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC CH-80X 36°11'13"N/140°24'49"E	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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Turn left, climb to 4000FT via  
HUC R001 to NAKAH and hold.  
Contact HYAKURI APP.



Timing not authorized for defining the MAPt.

DME to HUC	1.1	2.4	5.7	6.1	13.0
NM to THR	0	1.3	4.6	5.0	11.9

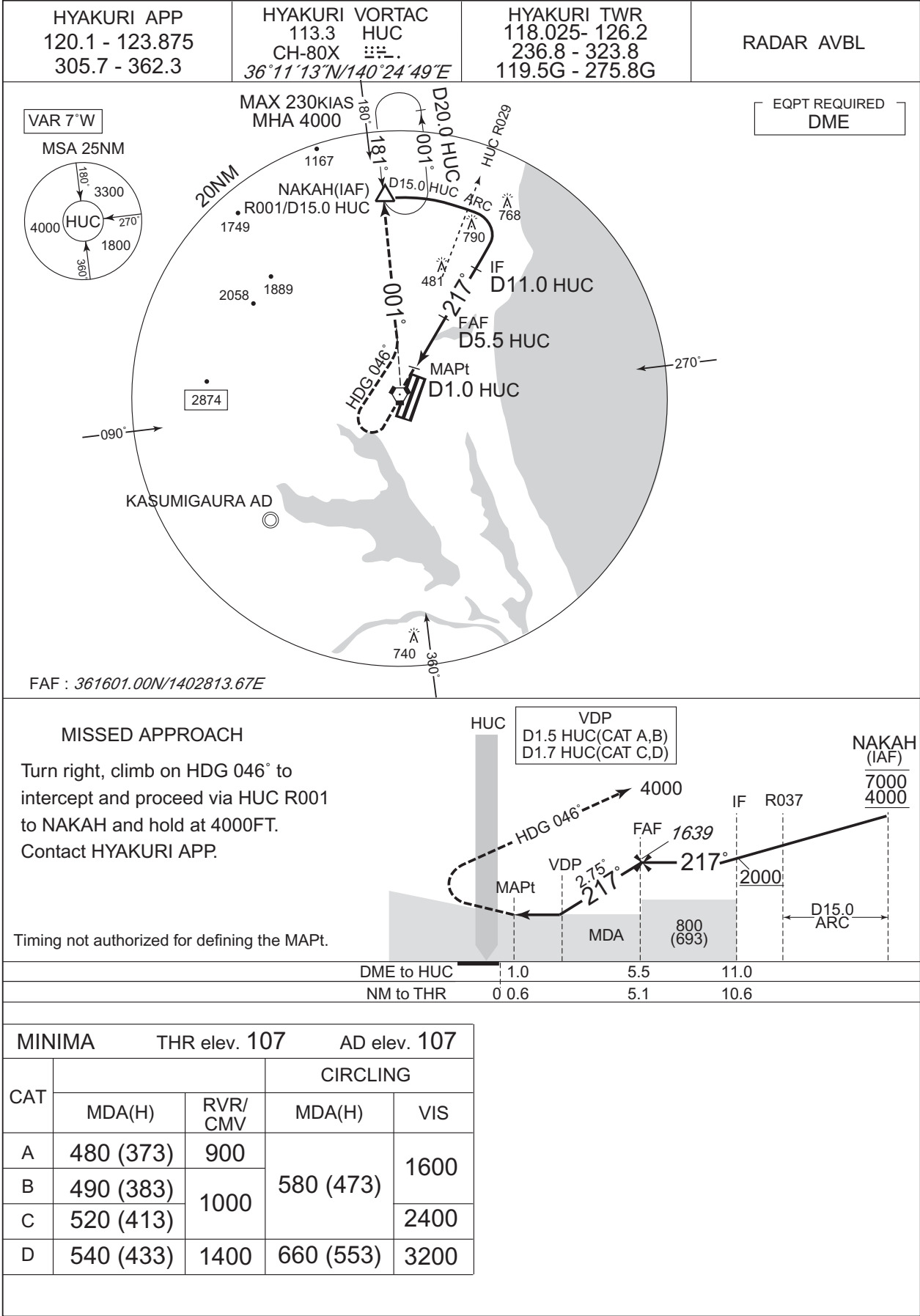
CHANGE : Description of VAR.

MINIMA		THR elev. 107	AD elev. 107	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	520 (413)	1200	580 (473)	1600
B		1300		
C		1400		2400
D		1600	660 (553)	3200

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR RWY21L



MISSED APPROACH

Turn right, climb on HDG 046° to intercept and proceed via HUC R001 to NAKAH and hold at 4000FT. Contact HYAKURI APP.

Timing not authorized for defining the MAPt.

VDP  
D1.5 HUC (CAT A,B)  
D1.7 HUC (CAT C,D)

NAKAH (IAF)  
7000  
4000

HDG 046°

4000

IF R037

FAF 1639

217°

2000

D15.0 ARC

MAPt

VDP 2.15°

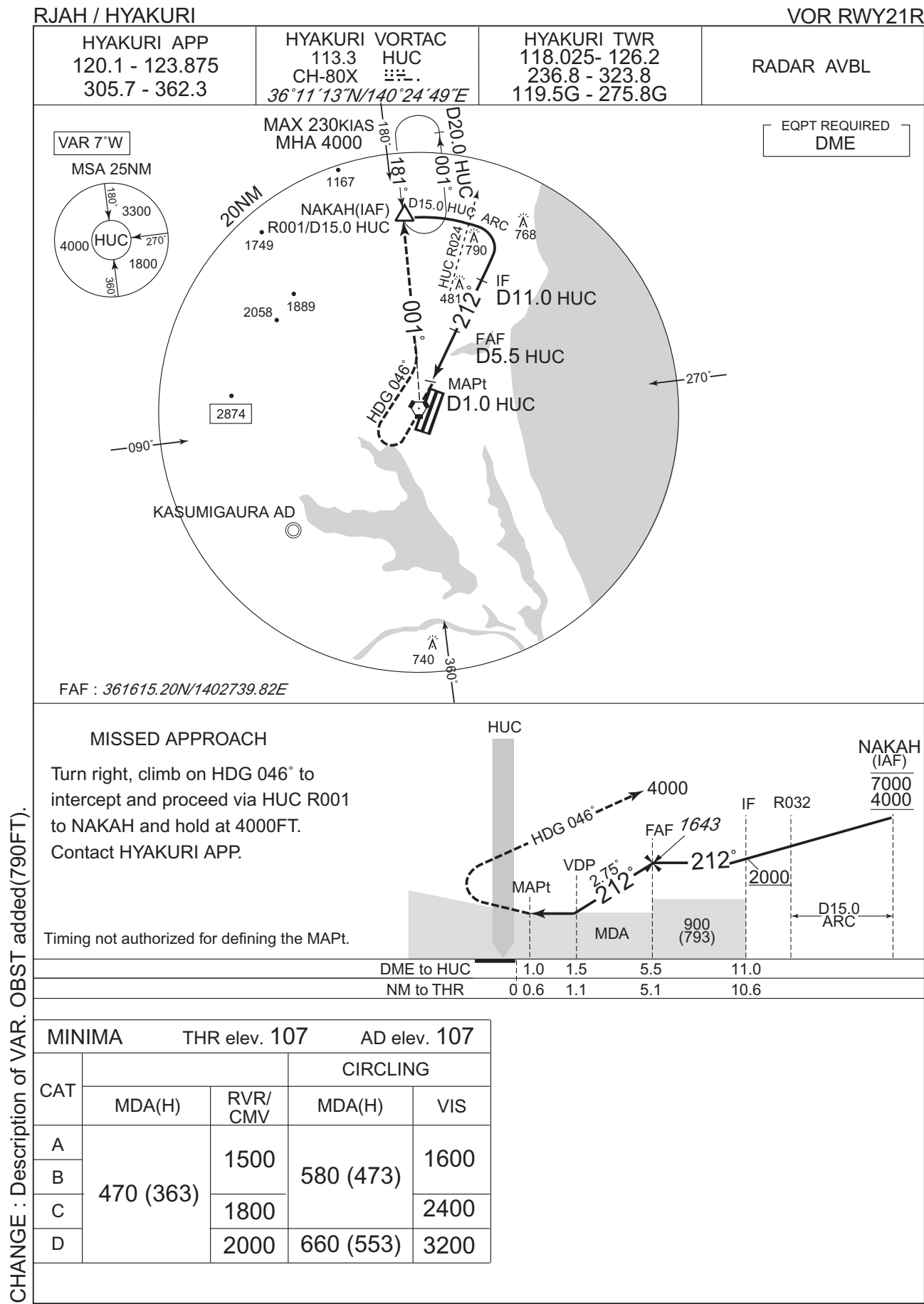
MDA 800 (693)

DME to HUC	1.0	5.5	11.0
NM to THR	0.6	5.1	10.6

MINIMA	THR elev. 107	AD elev. 107			
CAT	MDA(H)	RVR/CMV	CIRCLING	MDA(H)	VIS
A	480 (373)	900	580 (473)	1600	
B	490 (383)	1000			
C	520 (413)				
D	540 (433)	1400	660 (553)	3200	

CHANGE : Description of VAR. OBST added(790FT).

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR B



## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

TACAN Z RWY03R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC 3300 CH-80X 36°11'13"N/140°24'49"E	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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**MISSED APPROACH**  
2.1DME prior to HUC TACAN, right climbing turn to 3000FT via HUC R070, via HUC 26.0DME clockwise ARC to TAIYO and hold. Contact HYAKURI APP.



MINIMA THR elev. 107 AD elev. 107

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	540 (433)	1000	580 (473)	1600
B		1200		660 (553)
C			1600	
D				

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY03R



CHANGE : DME to HUC at VDP. NM to THR at VDP.

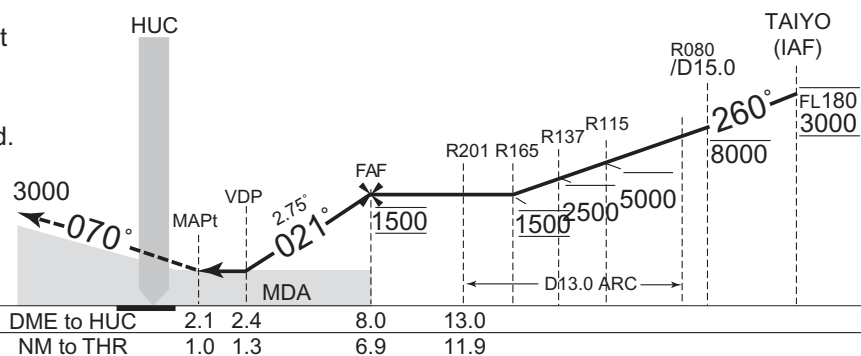
## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

TACAN Z RWY03L



**MISSED APPROACH**  
 2.1DME prior to HUC TACAN, right climbing turn to 3000FT via HUC R070, via HUC 26.0DME clockwise ARC to TAIYO and hold. Contact HYAKURI APP.



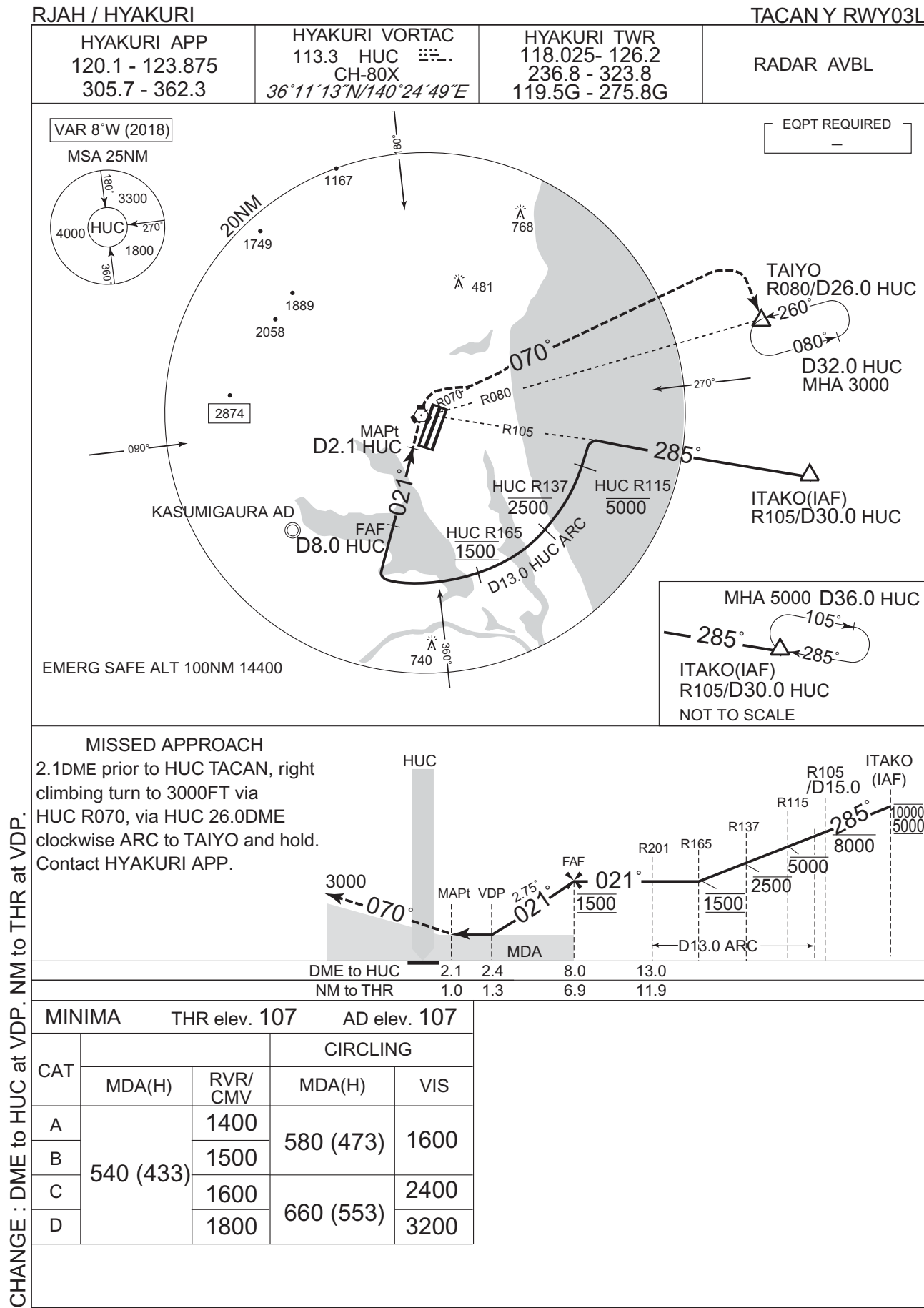
MINIMA      THR elev. 107      AD elev. 107

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	540 (433)	1400	580 (473)	1600
B		1500		
C		1600	660 (553)	2400
D		1800		

CHANGE : DME to HUC at VDP. NM to THR at VDP.



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

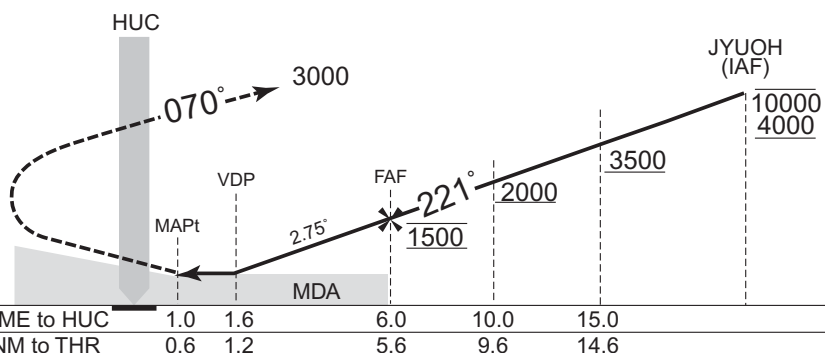
TACAN Z RWY21L

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC Ⅲ CH-80X 36°11'13"N/140°24'49"E	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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MISSED APPROACH

1.0DME prior to HUC TACAN, left climbing turn to 3000FT via HUC R070, via HUC 26.0DME clockwise ARC to TAIYO and hold.  
Contact HYAKURI APP.



MINIMA THR elev. 107 AD elev. 107

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (393)	900	580 (473)	1600
B		1000		660 (553)
C			1400	
D				

CHANGE : DME to HUC at VDP. NM to THR at VDP.

CHANGE : DME to HUC at VDP. NM to THR at VDP.

RJAH / HYAKURI		TACAN Y RWY21L	
HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC CH-80X <i>36°11'13"N/140°24'49"E</i>	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL

VAR 8°W (2018)

EQPT REQUIRED  
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The enroute chart displays a series of flight paths originating from Hyakuri VORTAC (HUC). Key features include:

- A circular MSA (Minimum Safe Altitude) around HUC with radii of 20NM, 25NM, and 30NM, and altitudes of 1800, 3300, and 4000 feet respectively.
- Waypoints and altitudes: MAPt (D1.0 HUC), FAF (D6.0 HUC), TAIYO (R080/D26.0 HUC), ITAKO (IAF) (R105/D30.0 HUC).
- Arrows indicating heading and distance: 090°, 180°, 270°, 360°, 070°, 285°, 217°, 260°, 080°.
- Altitudes: 1167, 1749, 1889, 2058, 2874, 740, 768, 3000, 10000, 5000.
- Emergency safe altitude: EMERG SAFE ALT 100NM 14400.

**MISSED APPROACH**

1.0DME prior to HUC TACAN, left climbing turn to 3000FT via HUC R070, via HUC 26.0DME clockwise ARC to TAIYO and hold.  
Contact HYAKURI APP.

The missed approach diagram shows a dashed line starting from HUC, turning left to 3000 feet, then following a clockwise arc to TAIYO and holding. Key points include:

- HUC (Vertical arrow pointing down)
- MAPt (Map of Arrival Point)
- VDP (Visual Descent Point)
- FAF (Final Approach Fix)
- MDA (Minimum Descent Altitude)
- DME to HUC: 1.0 NM
- NM to THR: 0.6 NM
- Altitudes: 3000, 2000, 1500, 10000, 5000.
- Heading: 070°, 217°, 285°.
- Distance: 11.0 NM to THR.

MINIMA		THR elev. 107	AD elev. 107	
CAT				
	MDA(H)	RVR/ CMV	CIRCLING	
			MDA(H)	VIS
A	500 (393)	900	580 (473)	1600
B		1000		
C			660 (553)	2400
D				

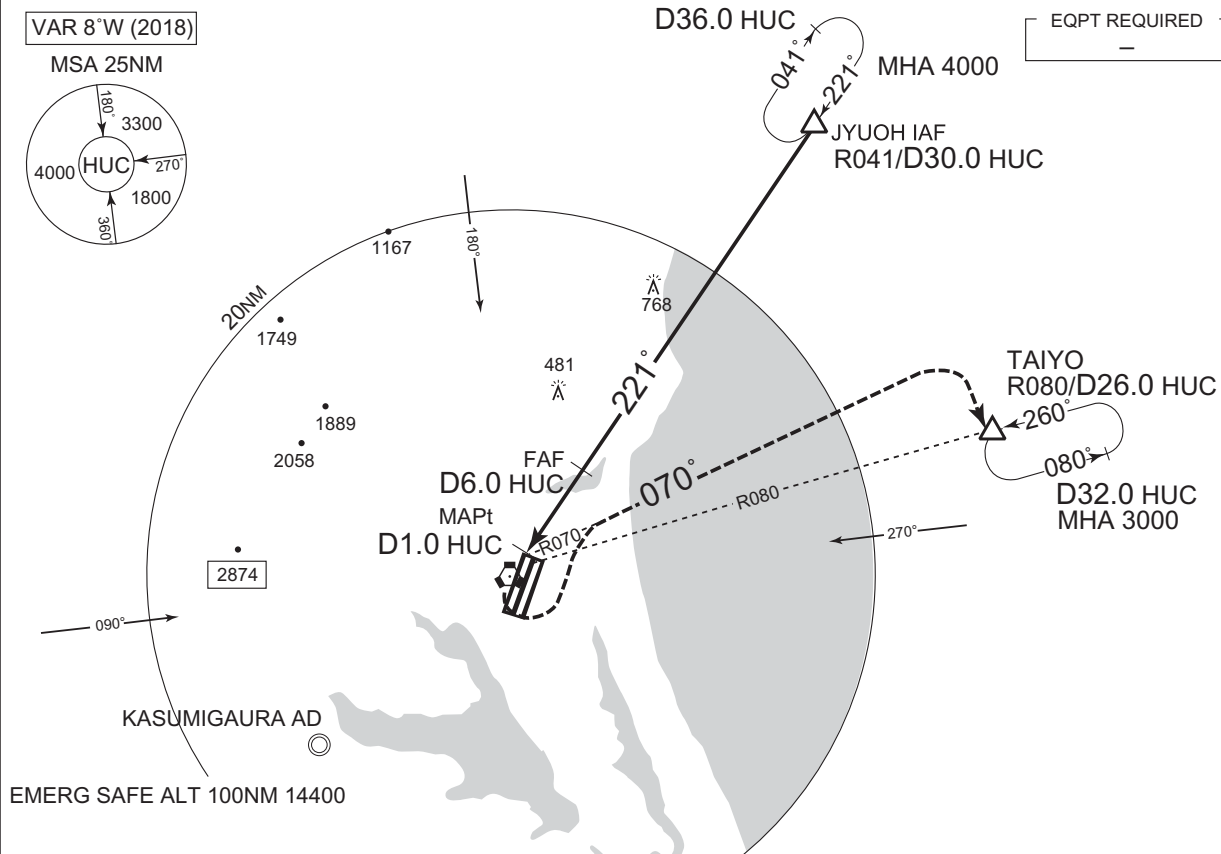
## RJAH / HYAKURI

HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3

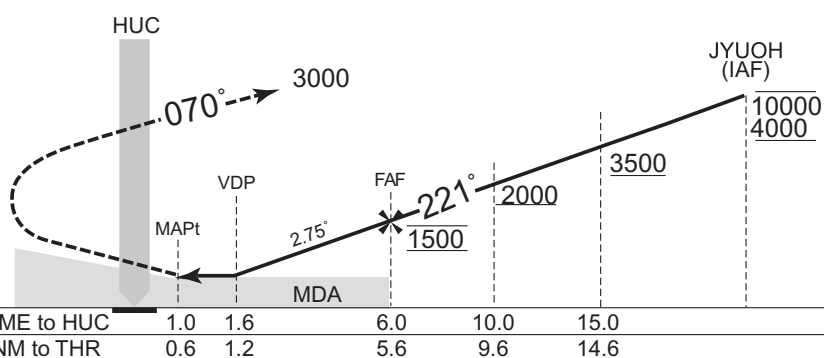
HYAKURI VORTAC  
113.3 HUC   
CH-80X  
*36°11'13"N/140°24'49"E*

HYAKURI TWR  
118.025- 126.2  
236.8 - 323.8  
119.5G - 275.8G

RADAR AVBL



1.0DME prior to HUC TACAN, left climbing turn to 3000FT via HUC R070, via HUC 26.0DME clockwise ARC to TAIYO and hold.  
Contact HYAKURI APP.



MINIMA		THR elev. 107	AD elev. 107	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (393)	1500	580 (473)	1600
B				
C		1800	660 (553)	2400
D		2000		3200

Civil Aviation Bureau, Japan (EFF:2 NOV 2023)

INSTRUMENT APPROACH CHART

RJAH / HYAKURI TACAN Y RWY21R



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN A



## RJAH / HYAKURI

RNP RWY03L



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

RNP RWY21R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	RNP APCH	HYAKURI TWR 118.025 - 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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MISSED APPROACH

Turn right direct to NAKAH and hold at 4000FT.  
Contact HYAKURI APP.

PAPI and descent angles not coincident.



MINIMA		THR elev. 107		AD elev. 107		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	500(393)	1500	500(393)	1500	580(473)	1600
B		1800		1800		2400
C						
D	520(413)	2000	520(413)	2000	660(553)	3200



RJAH / HYAKURI

Minimum Vectoring Altitude CHART

VAR 7°W (2010)



- ① 2500
- ② 1500
- ③ 2200
- ④ 3000
- ⑤ 3500

CENTER : 361108N/1402547E (RADAR SITE)