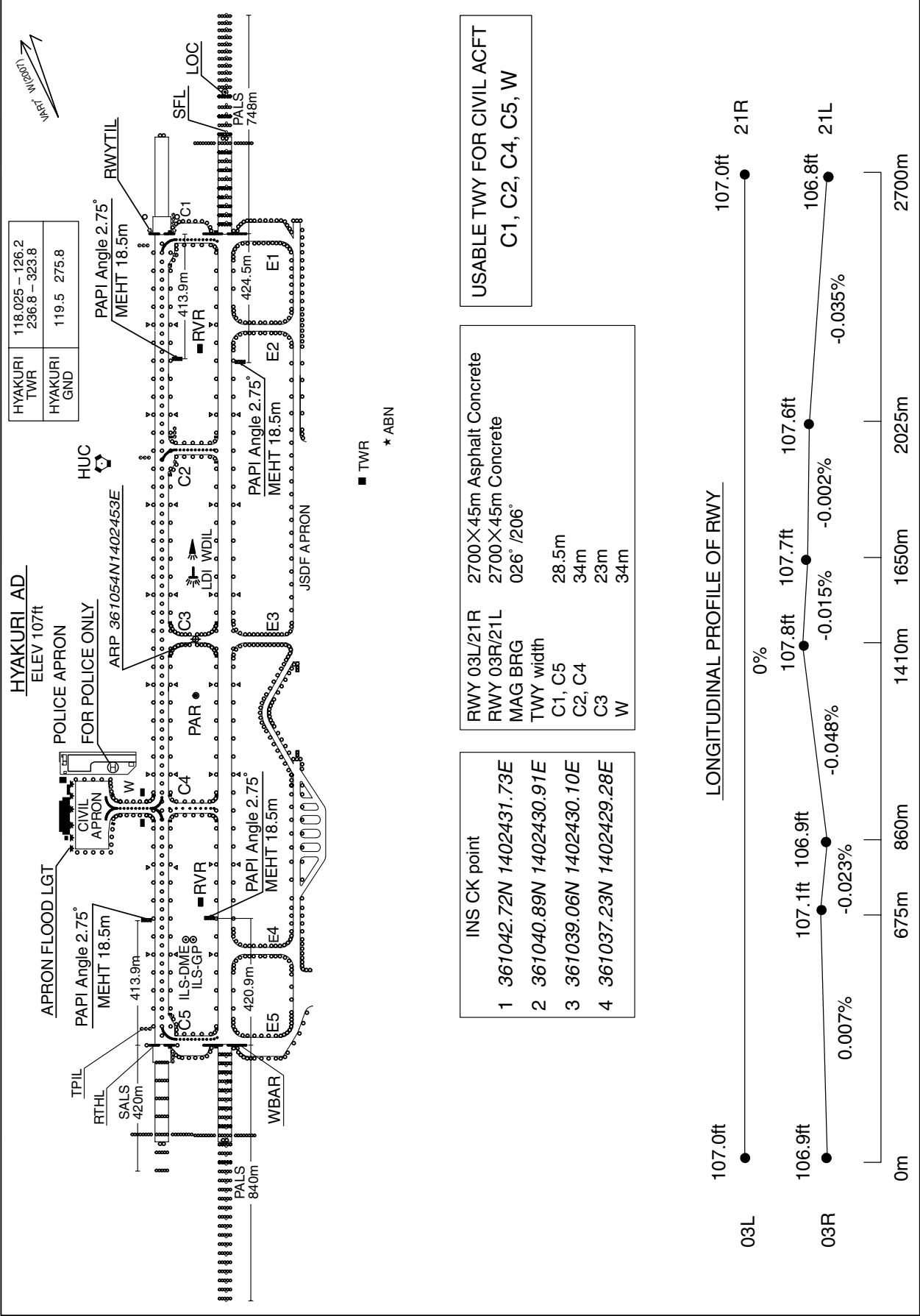


RJAH / HYAKURI

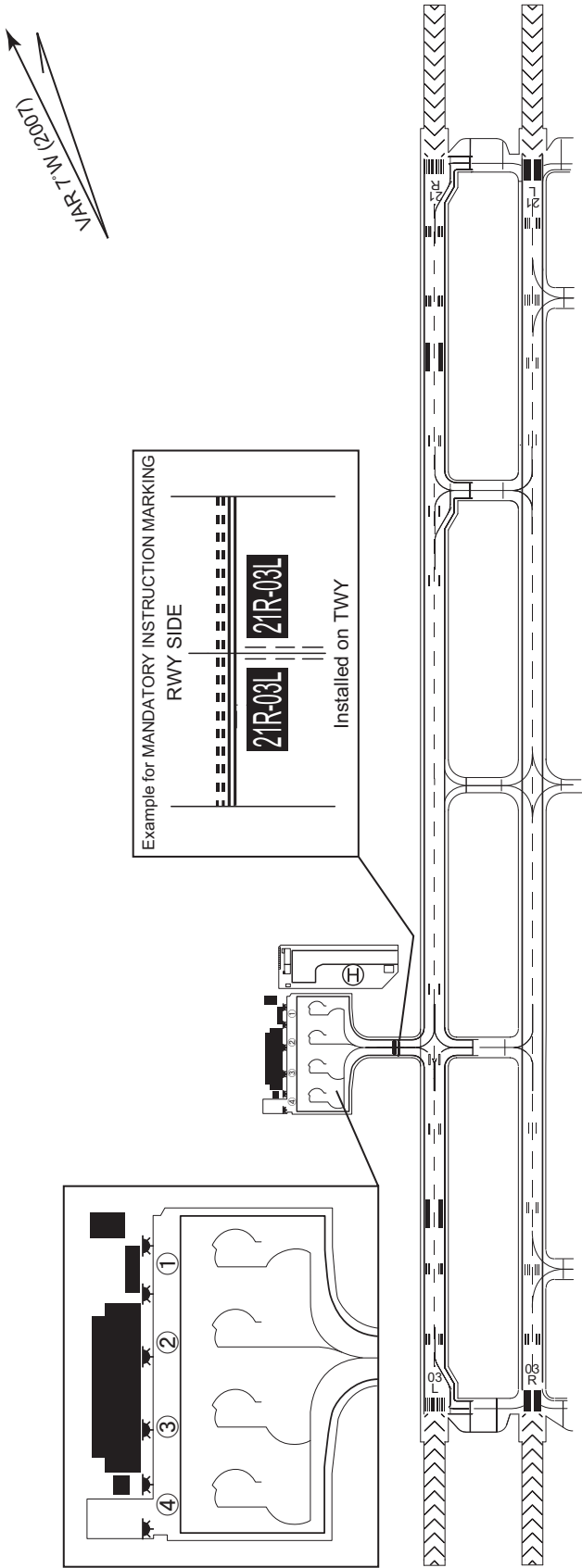
AD CHART



RJAH / HYAKURI

AD CHART

CHANGE : Description of strength of pavement.



STRENGTH	
RWY 03L/21R	PCR 628/F/A/X/T
	SW67000kg (147700lbs)
	DW89000kg (196200lbs)
	DTW137000kg (302000lbs)
RWY 03R/21L	PCR 691/R/A/W/T
	SW38000kg (83700lbs)
	DW61000kg (134400lbs)
	DTW136000kg (299800lbs)
TWY W	PCR 825/F/C/X/T
CIVIL APRON	PCR 747/R/C/W/T

## STANDARD DEPARTURE CHART - INSTRUMENT

RJAHA / 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

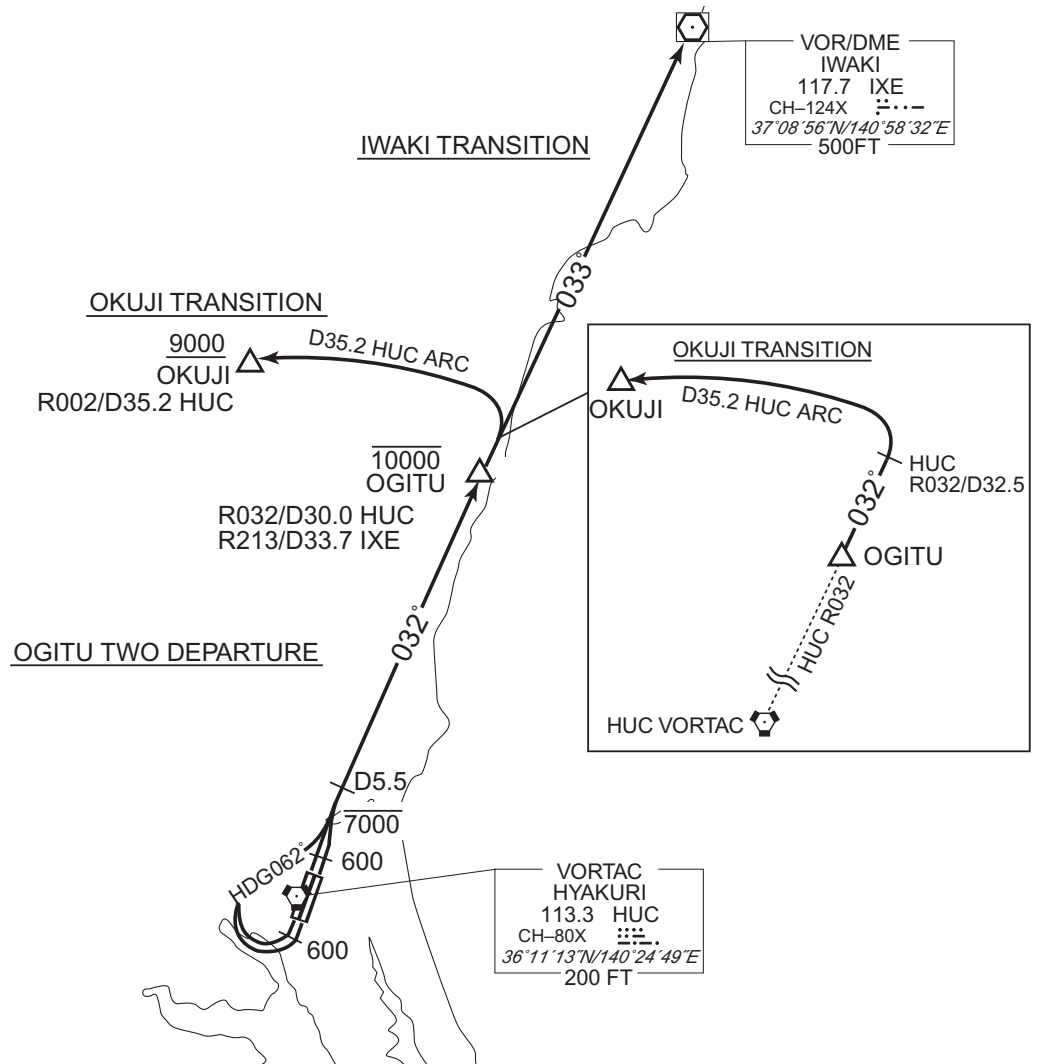
From over OGITU, proceed via IXE R213 to IXE VOR/DME.

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.

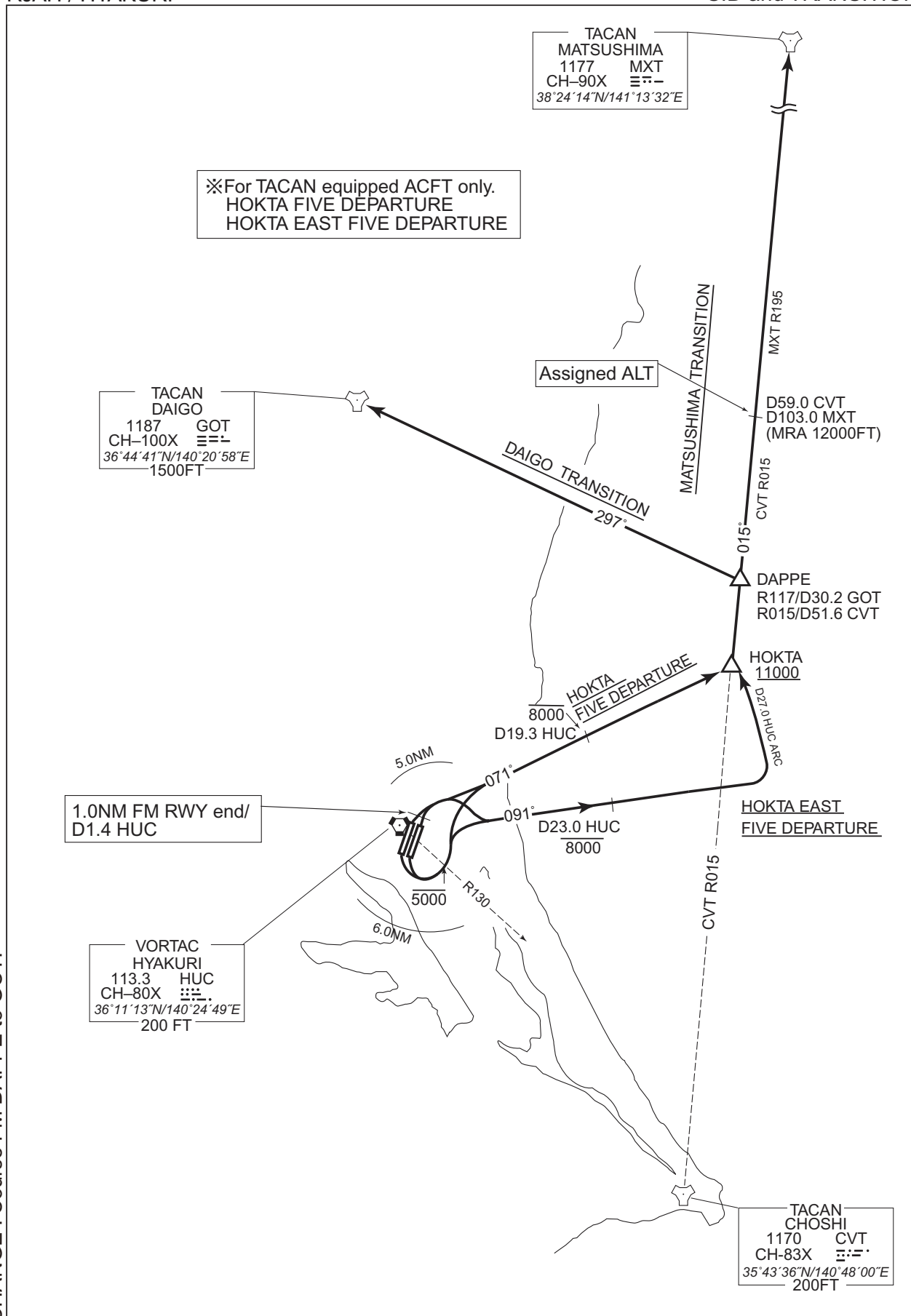
CHANGE : Course FM DAPPE to GOT.

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



STANDARD DEPARTURE CHART - INSTRUMENT



## 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 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	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

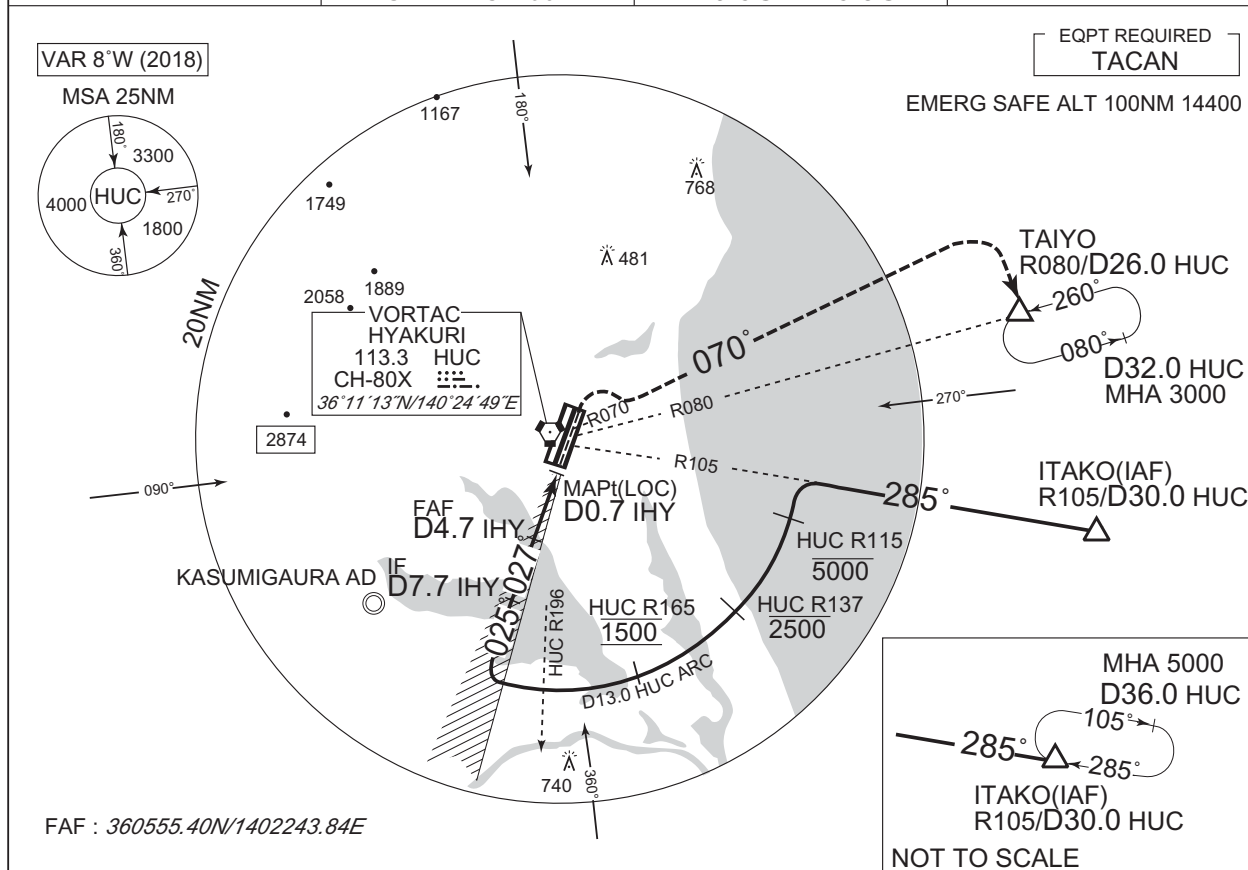


CHANGE : MDA(H) for LOC.

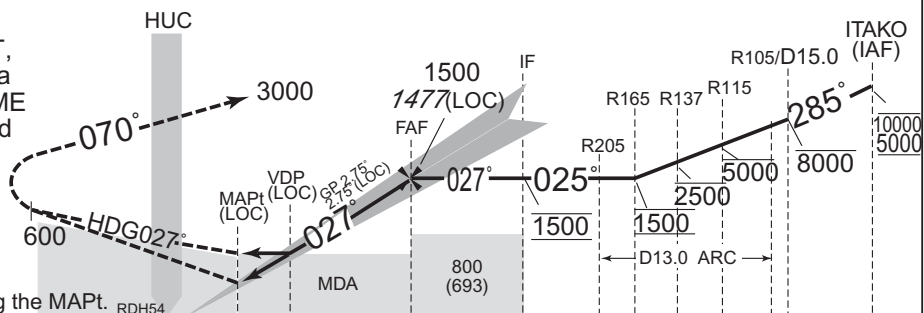
## RJAH / HYAKURI

ILS Y or LOC Y RWY03R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	ILS - LOC 109.3 IHY ILS-GP 332.0 ILS-DME CH-30X	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
---	--	---	------------



**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.



	DME to IHY	0.7	1.4	4.7	7.7
	NM to THR	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

001° 600 HDG027° MAPt (LOC) VDP (LOC) 1500 027° 025° 1500 2500 R205 R137 R165 1500 2500 D13.0 ARC

RDH54 MDA 800 (693)

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

RJAHA / HYAKURI

ILS W or LOC W RWY03R

HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3ILS - LOC  
109.3 IHY 332.0  
ILS-GP 332.0  
ILS-DME CH-30XHYAKURI TWR  
118.025- 126.2  
236.8 - 323.8  
119.5G - 275.8G

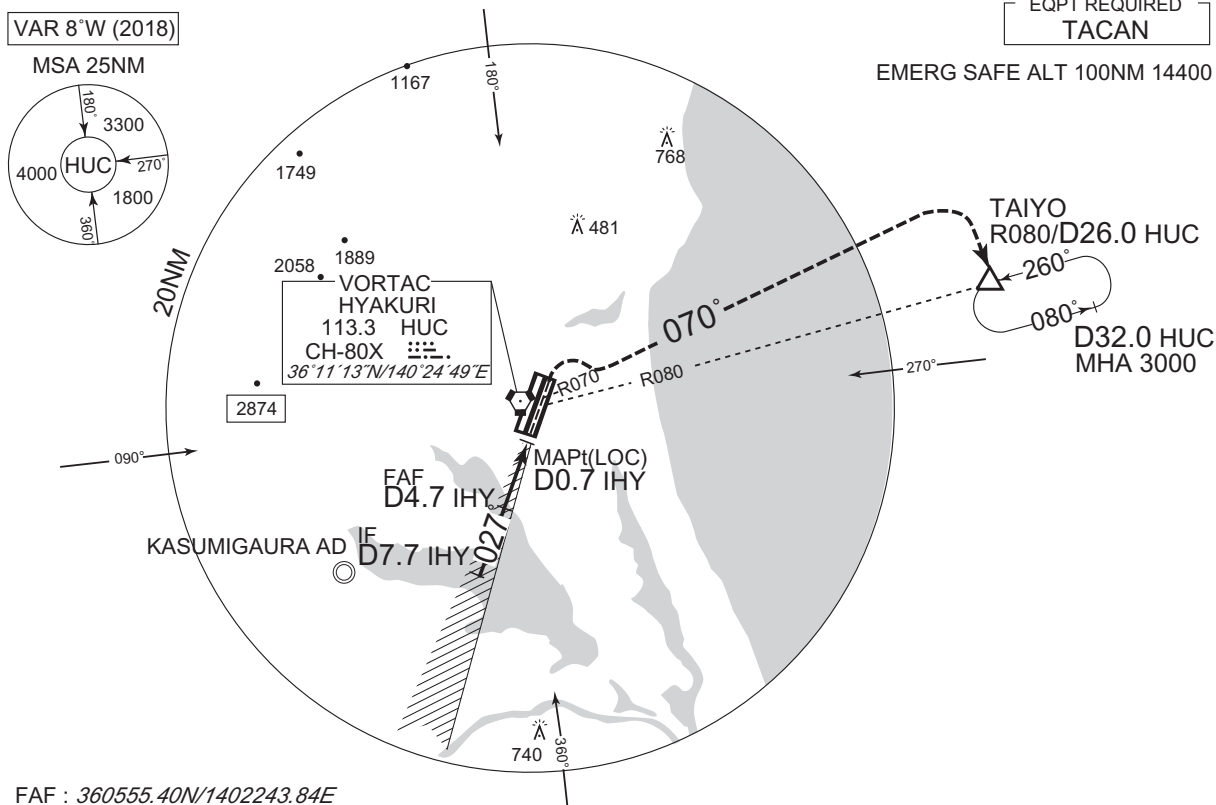
RADAR AVBL

VAR 8°W (2018)

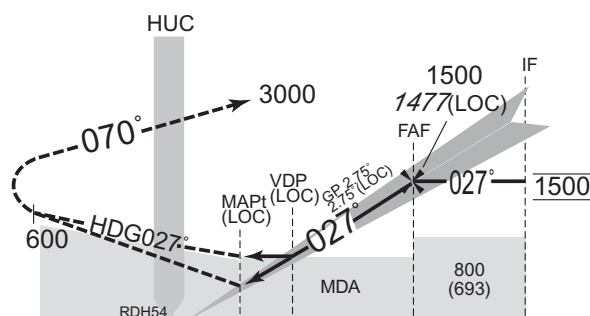
MSA 25NM

EQPT REQUIRED  
TACAN

EMERG SAFE ALT 100NM 14400



**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

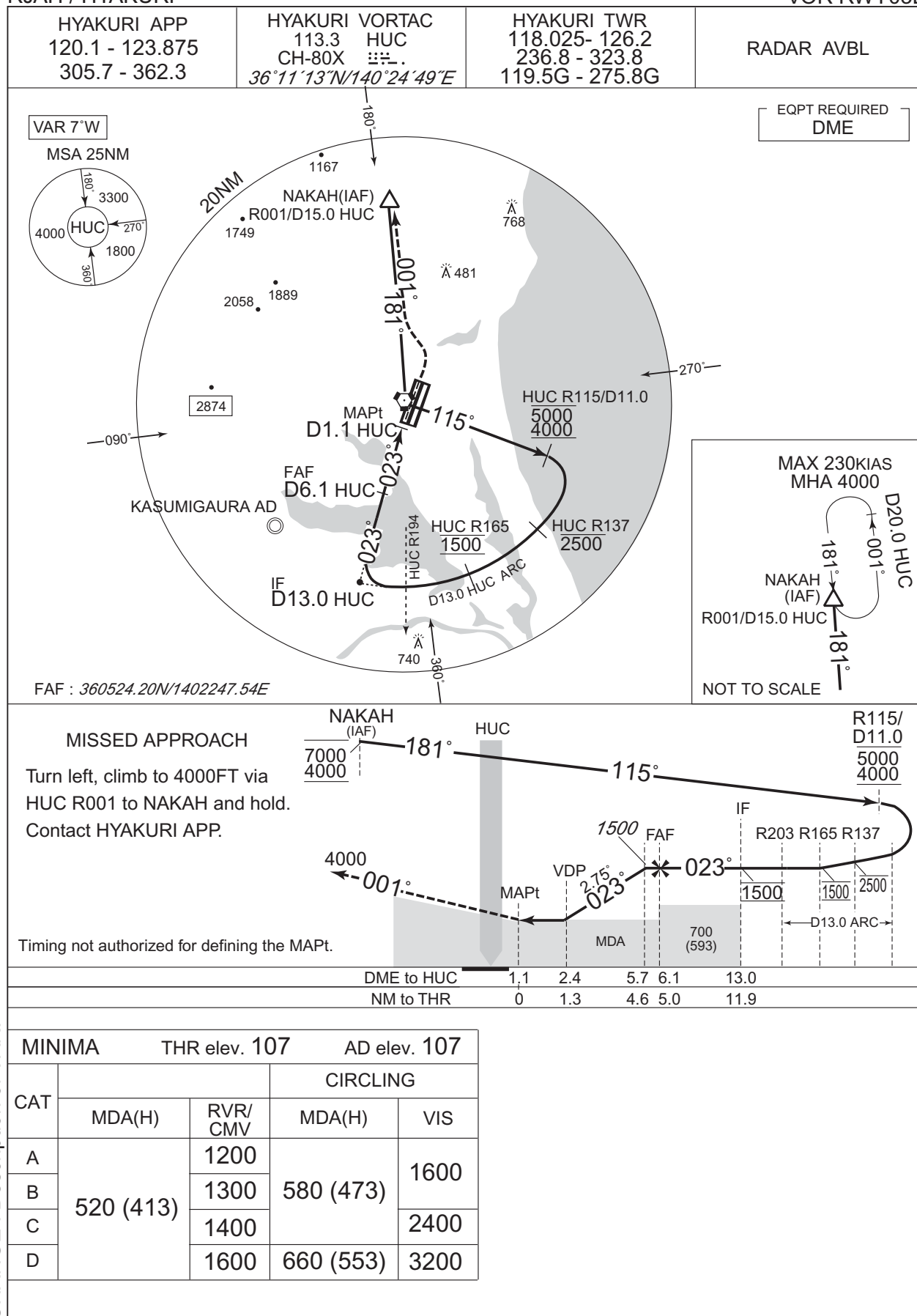
VOR RWY03R



## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

VOR RWY03L

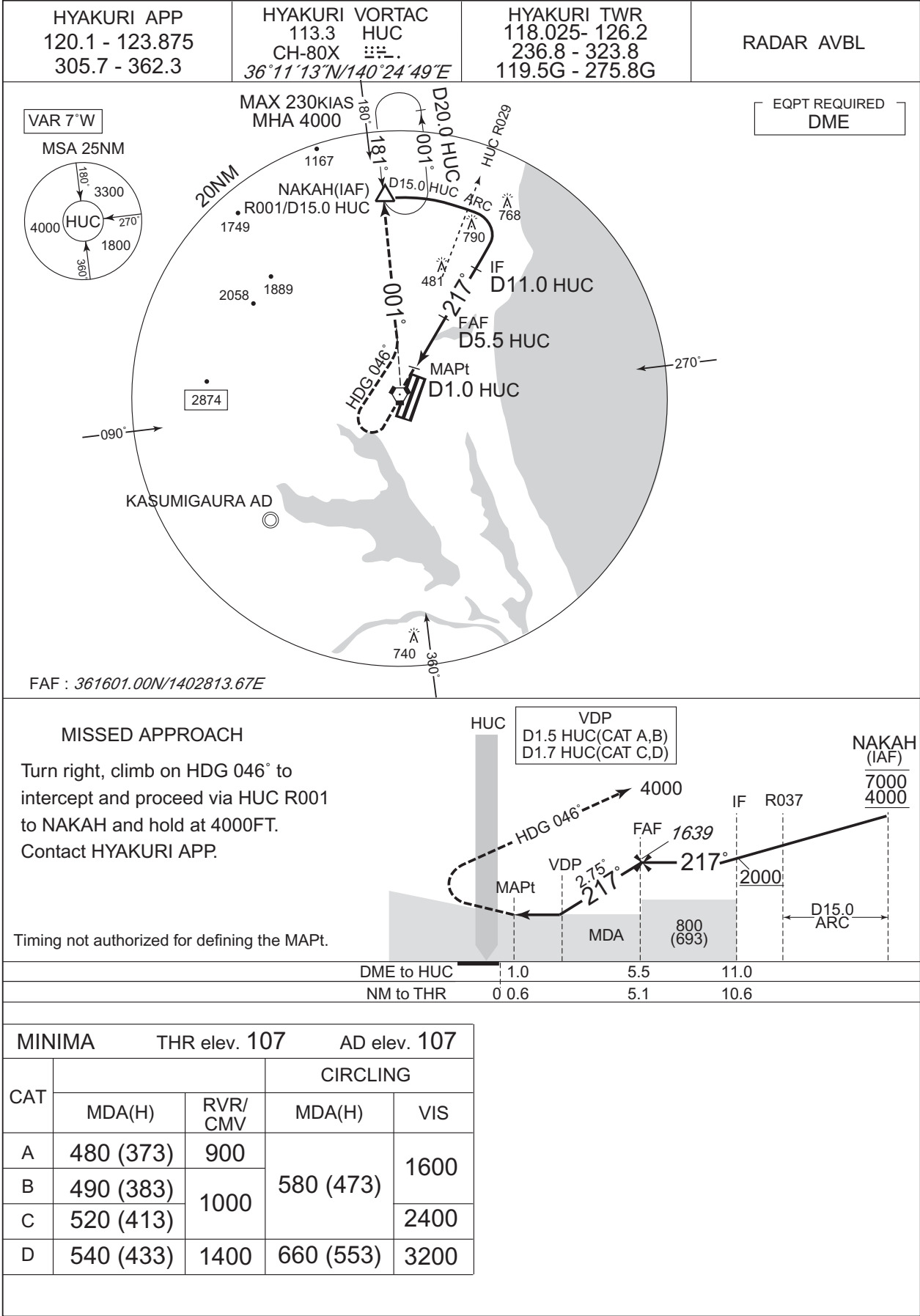


CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

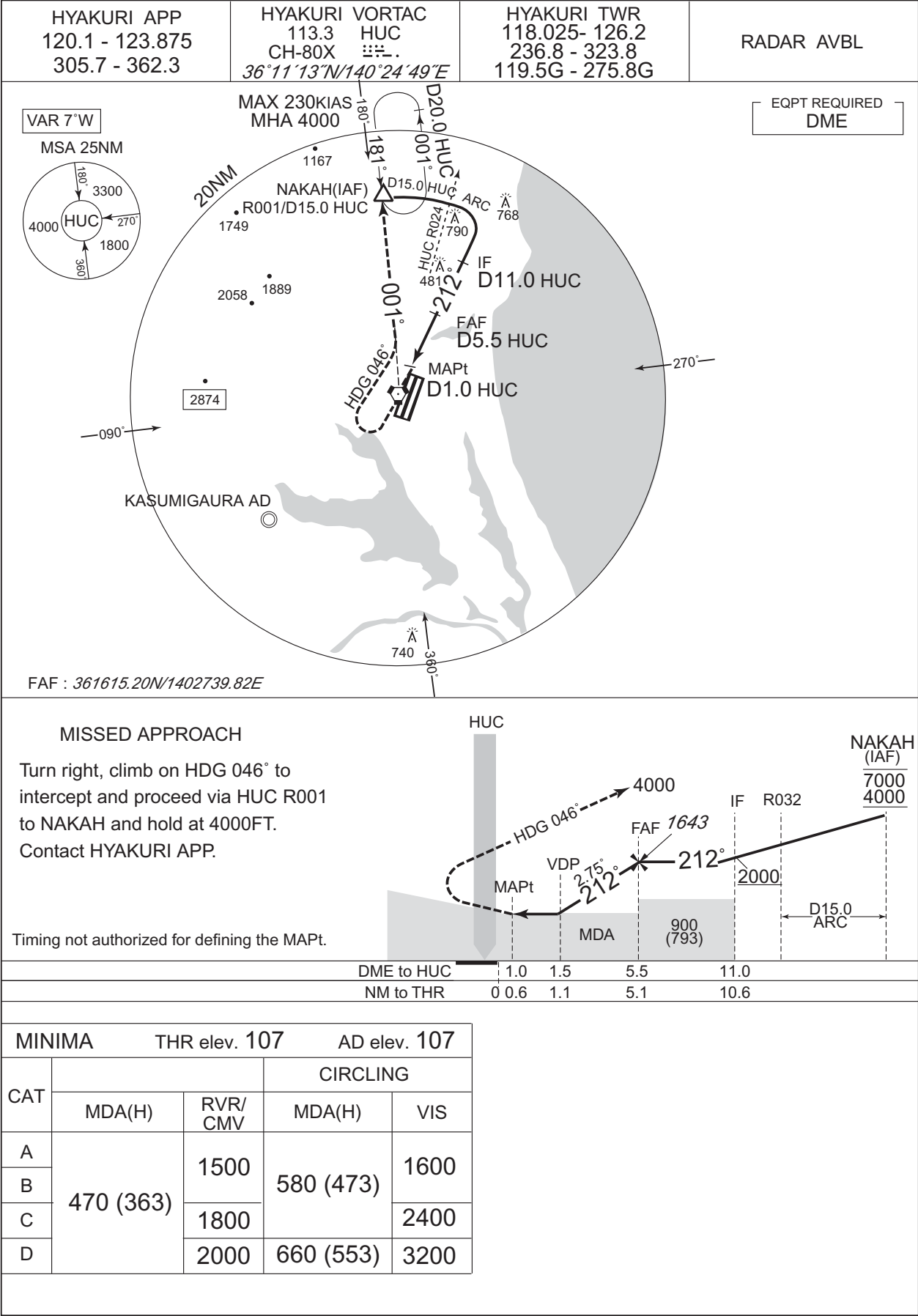
VOR RWY21L



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

INSTRUMENT APPROACH CHART

RJAH / HYAKURIVOR RWY21R



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR B



CHANGE : Description of VAR.

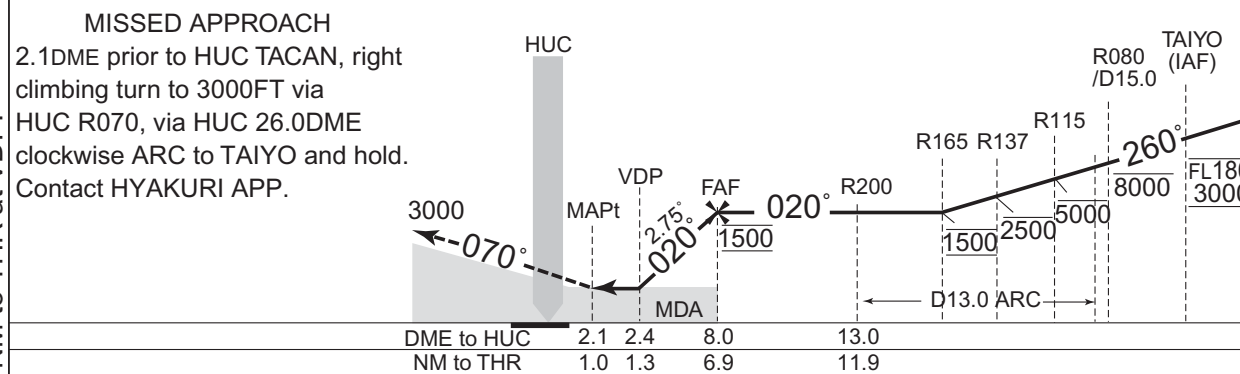
MINIMA AD elev. 107		
CAT	CIRCLING	
	MDA(H)	VIS
A	580 (473)	1600
B		
C		
D	660 (553)	3200

## 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
---	--	---	------------



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)	2400
C			1600		
D					

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY03R

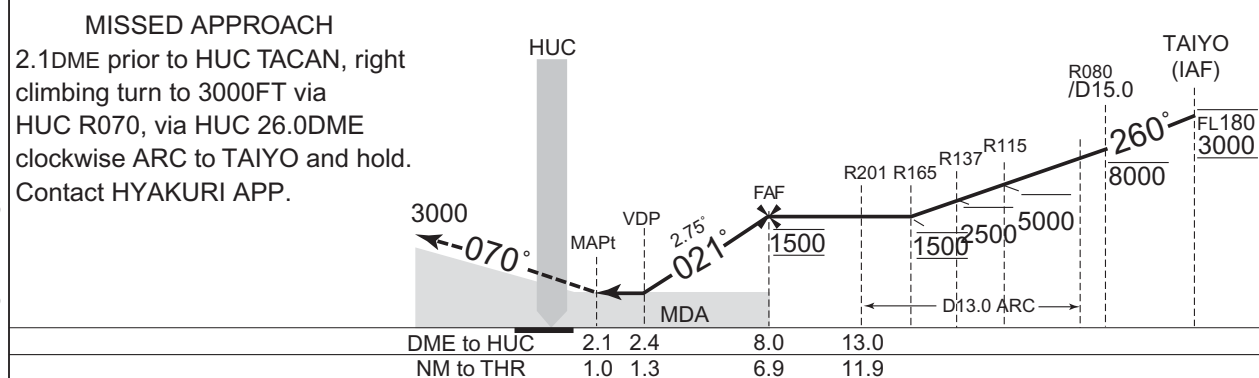


CHANGE : DME to HUC at VDP. NM to THR at VDP.

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY03L



MINIMA	THR elev. 107	AD elev. 107	CIRCLING	
CAT	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.



## RJAH / HYAKURI

TACAN Y RWY03L

VAR 8° W (2018)

MSA 25NM

EQPT REQUIRED -

20NM

1167

1749

1889

2058

2874

090°

KASUMIGAUARA AD

FAF

D8.0 HUC

MAPt

D2.1 HUC

R070

R080

R105

HUC R137 2500

HUC R165 1500

D13.0 HUC ARC

HUC R115 5000

070°

285°

ITAKO(IAF) R105/D30.0 HUC

TAIYO R080/D26.0 HUC

D32.0 HUC MHA 3000

080°

270°

768

481

740

360°

MHA 5000 D36.0 HUC

ITAKO(IAF) R105/D30.0 HUC

NOT TO SCALE

EMERG SAFE ALT 100NM 14400

**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.

HUC

3000

070°

MAPt VDP

MDA

FAF

021°

1500

R201 R165 R137 R115 R105 /D15.0

285°

10000

5000

8000

5000

D13.0 ARC

	2.1	2.4	8.0	13.0
DME to HUC	2.1	2.4	8.0	13.0
NM to THR	1.0	1.3	6.9	11.9

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		3200

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

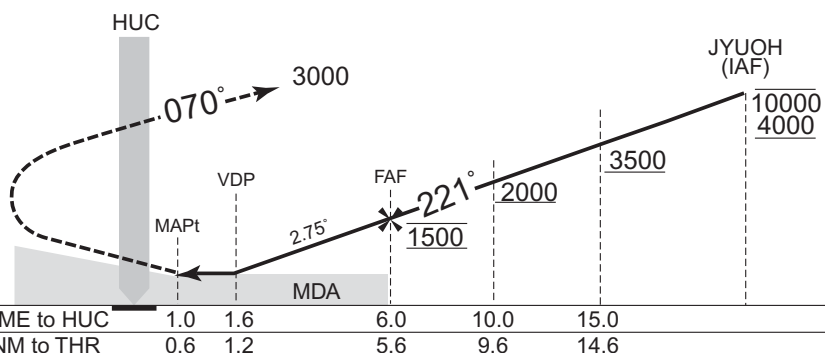
TACAN Z RWY21L

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
---	---	---	------------



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.

INSTRUMENT APPROACH CHART



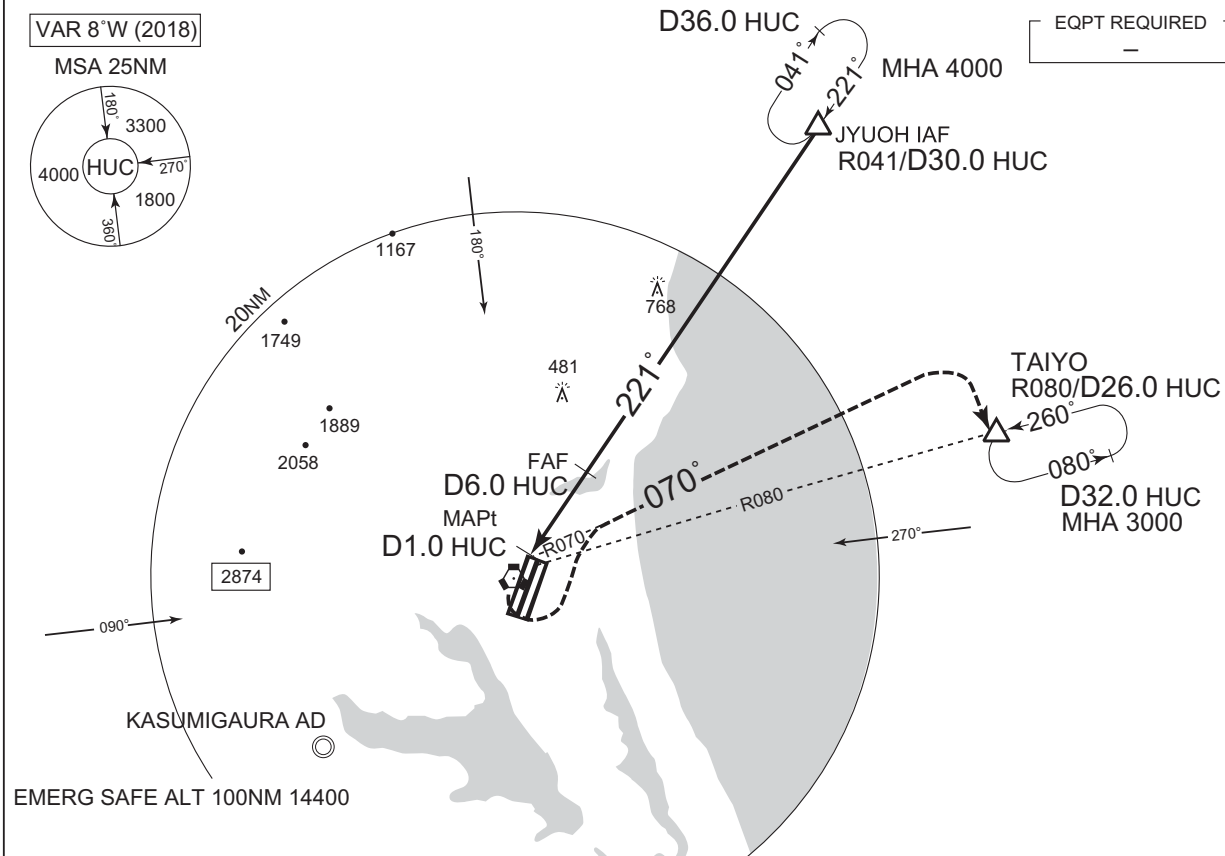
## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY21R

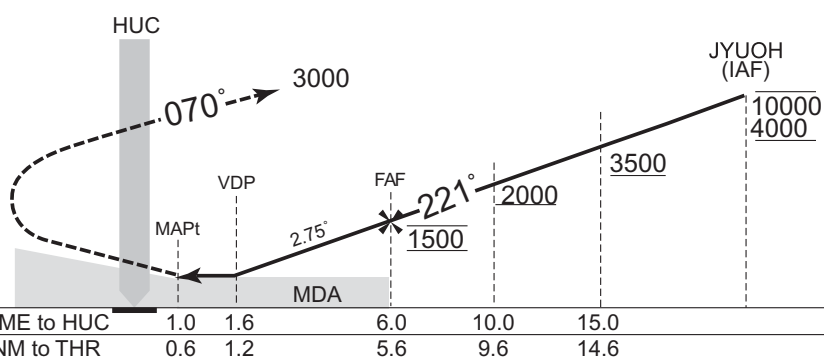
HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3HYAKURI VORTAC  
113.3 HUC 36°11'13"N/140°24'49"E  
CH-80XHYAKURI TWR  
118.025- 126.2  
236.8 - 323.8  
119.5G - 275.8G

RADAR AVBL



## 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)	1500	580 (473)	1600
B		1800	660 (553)	2400
C		2000		3200
D				

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

## RJAH / HYAKURI

TACAN Y RWY21R

VAR 8°W (2018)

MSA 25NM

3300

4000

HUC

270°

180°

360°

20NM

1167

1749

1889

2058

2874

KASUMIGAURA AD

090°

180°

768

481

FAF

D6.0 HUC

217°

MAPt

D1.0 HUC

R070

R080

D1.0 HUC - R080

070°

ARC

270°

285°

ITAKO (IAF)

R105/D30.0 HUC

TAIYO

R080/D26.0 HUC

260°

080°

D32.0 HUC

MHA 3000

285°

ITAKO (IAF)

R105/D30.0 HUC

285°

105°

MHA 5000 D36.0 HUC

ITAKO (IAF)

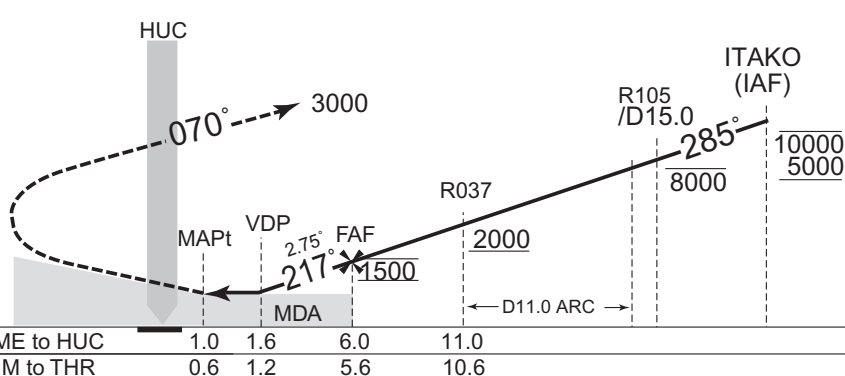
R105/D30.0 HUC

NOT TO SCALE

EMERG SAFE ALT 100NM 14400

EQPT REQUIRED

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

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

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
---	----------	--	------------



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)



CENTER : 361108N/1402547E (RADAR SITE)

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