

RJAH / HYAKURI

AD CHART



## AD CHART



## 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

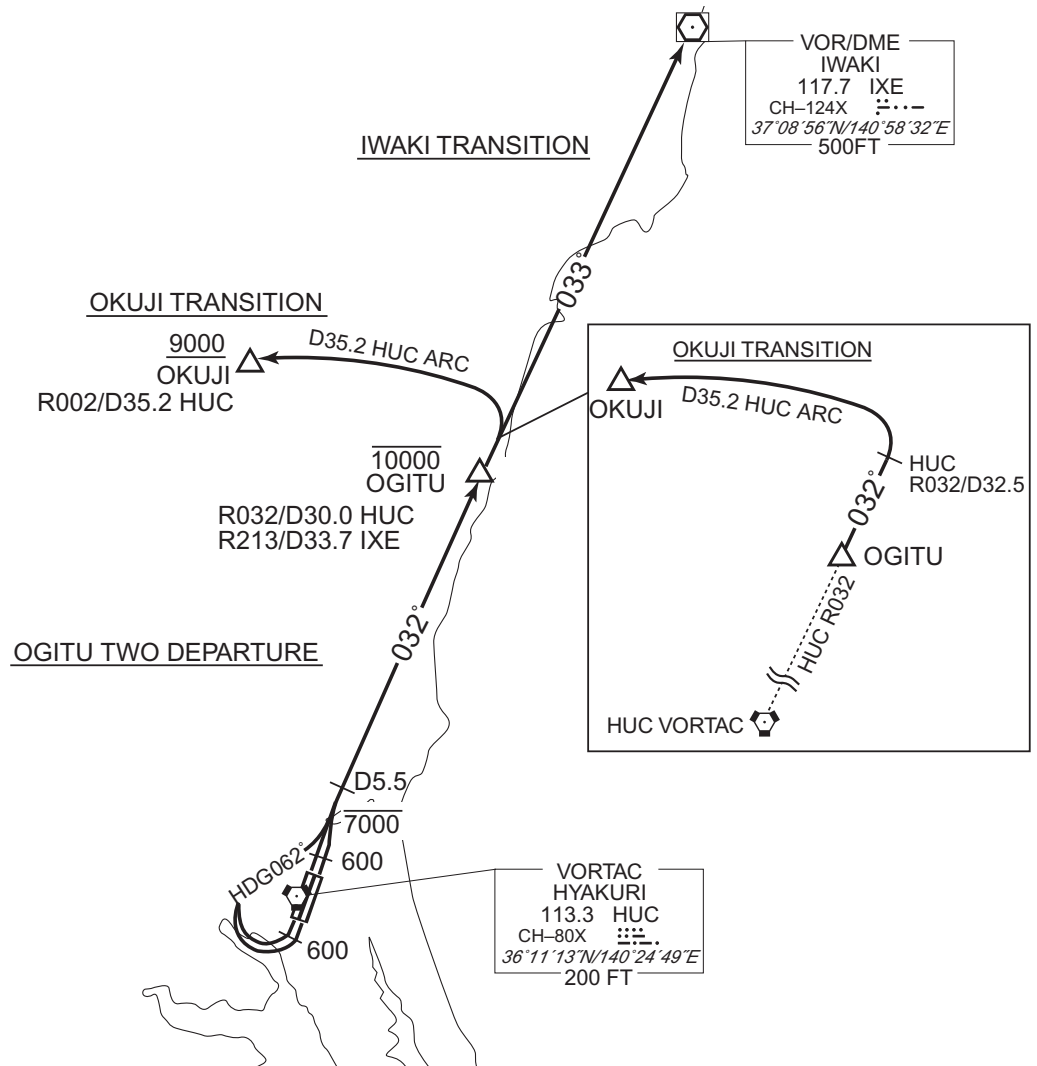
From over OGITU, proceed via IXE R213 to IXE VOR/DME.

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



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

R130

HYAKURI TRANSITION

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

RJAH / HYAKURI

RNAV SID



CHANGE : New PROC.

## 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



TATSU ARRIVAL

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

CHANGE : New PROC.

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

## RJAH / HYAKURI

ILS Z or LOC Z RWY03R

VAR 8°W (2018)

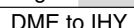
MSA 25NM

EQPT REQUIRED  
TACAN

EMERG SAFE ALT 100NM 14400



Timing not authorized for defining the MAPt.



NM to THR

Civil Aviation Bureau, Japan (EFF:24 MAY 2018)

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

ILS Y or LOC Y RWY03R



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	460 (353)	900	580 (473)	1600
B				1000		
C					660 (553)	2400
D						

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

ILS X or LOC X RWY03R



## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

ILS W or LOC W RWY03R



**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

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	460 (353)	900	580 (473)	1600
B				1000		
C					660 (553)	2400
D				1400		3200



## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

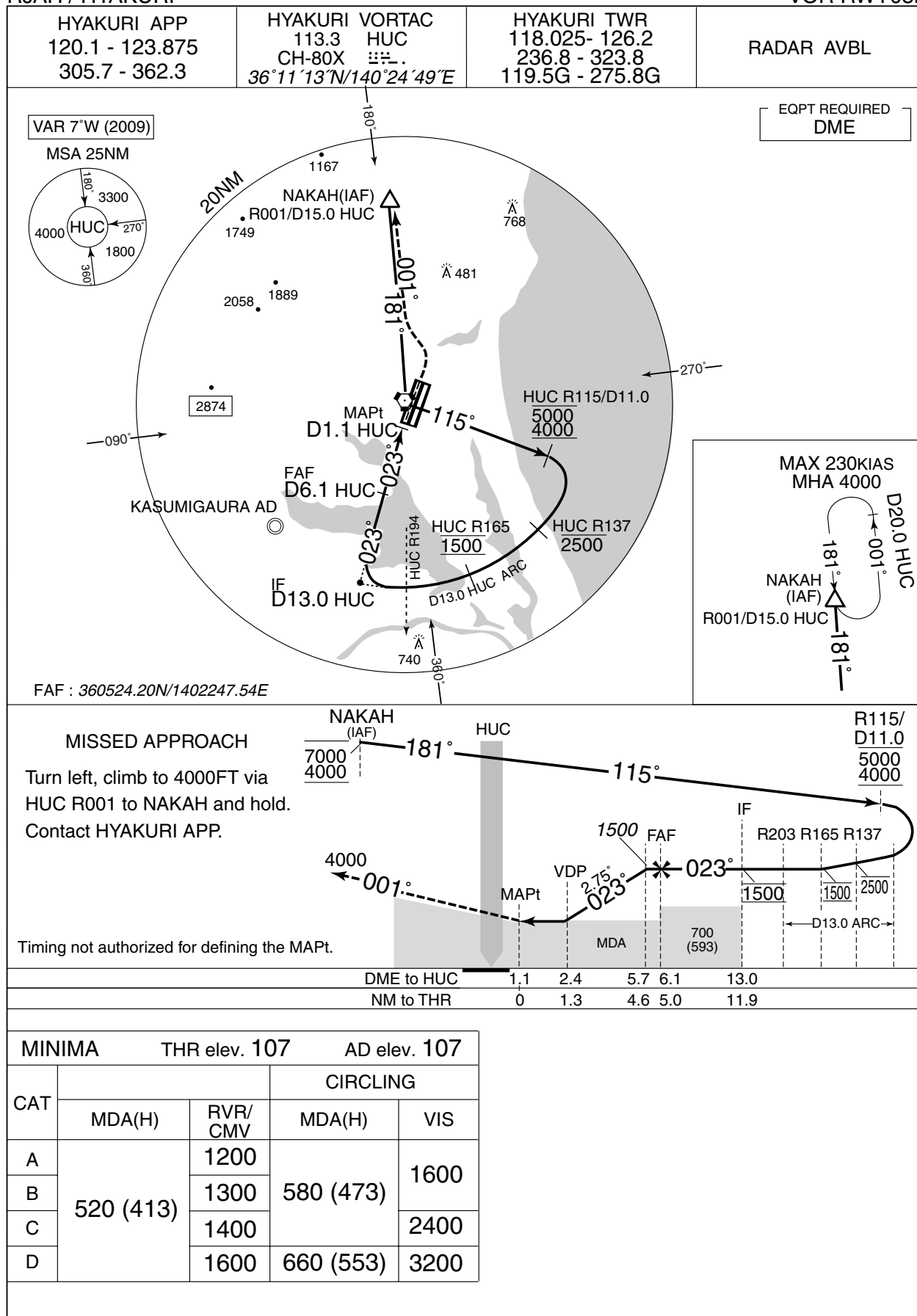
VOR RWY03R



## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR RWY03L



INSTRUMENT APPROACH CHART

RJA H / HYAKURI

VOR RWY21L



## INSTRUMENT APPROACH CHART

RJAHH / HYAKURI

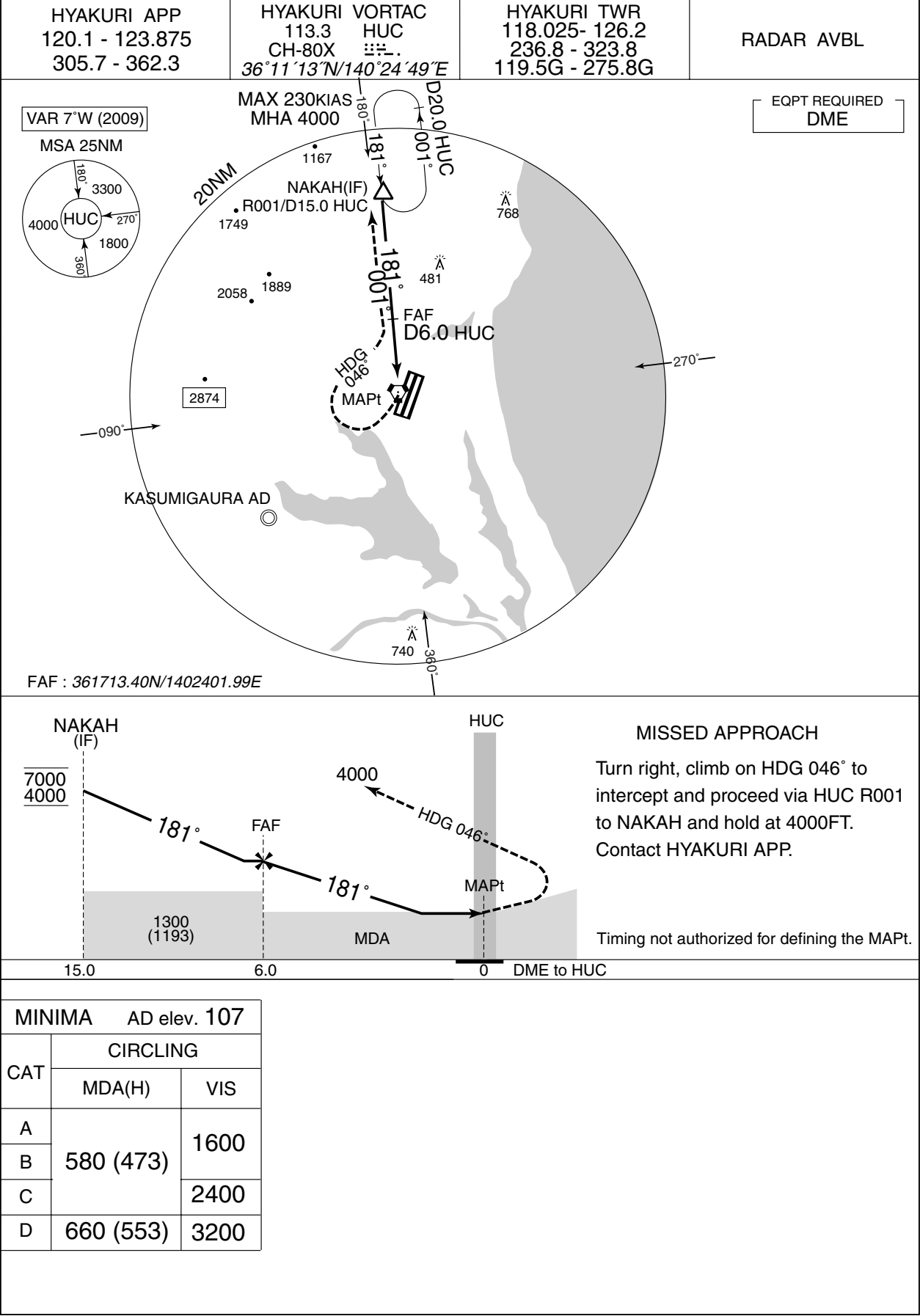
VOR RWY21R



INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

VOR B



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY03R

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



DME to HUC	2.1	2.6	8.0	13.0
NM to THR	1.0	1.5	6.9	11.9

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



## INSTRUMENT APPROACH CHART

RJAHH / HYAKURI

TACAN Z RWY03L

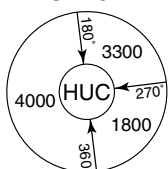
HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3HYAKURI VORTAC  
113.3 HUC  
CH-80X  
36°11'13"N/140°24'49"EHYAKURI TWR  
118.025- 126.2  
236.8 - 323.8  
119.5G - 275.8G

RADAR AVBL

VAR 8°W (2018)

EQPT REQUIRED

MSA 25NM



## 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		



## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY03L

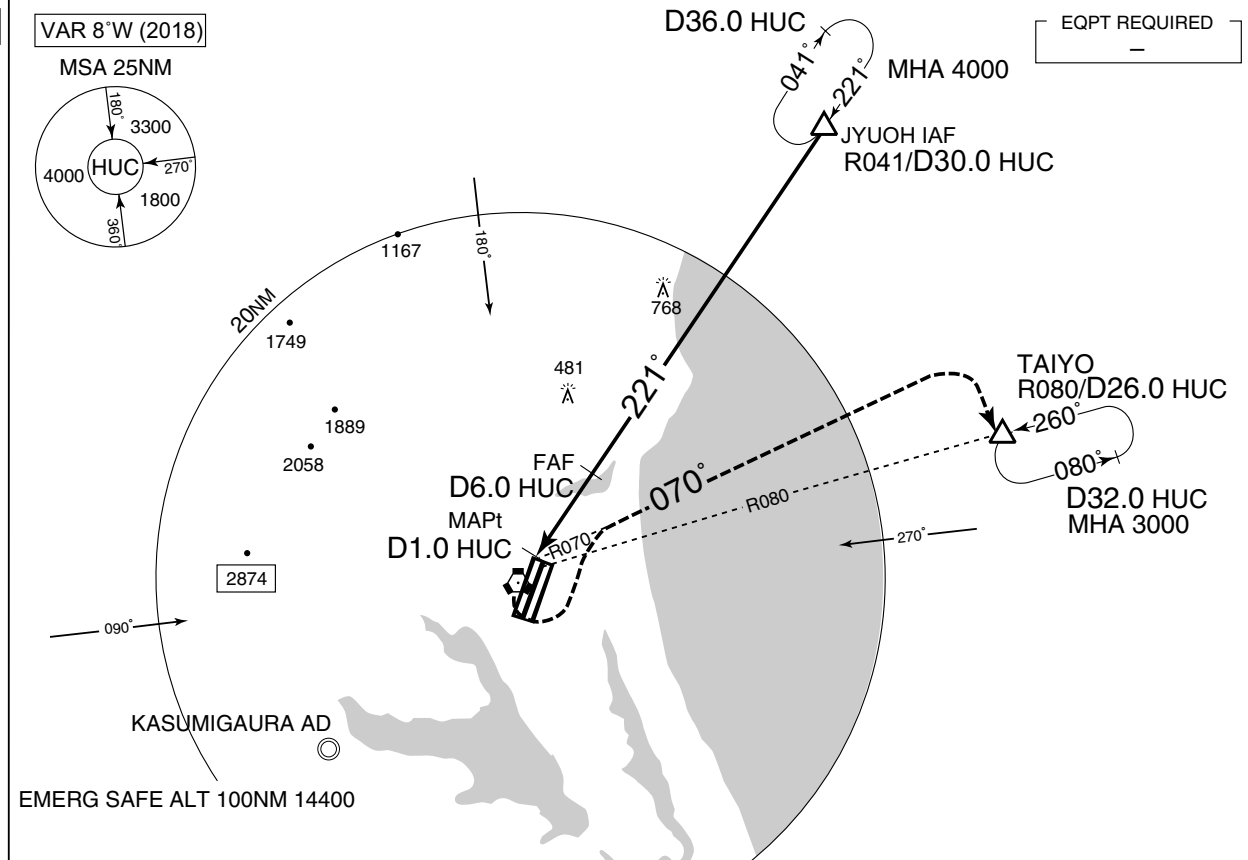


## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY21L

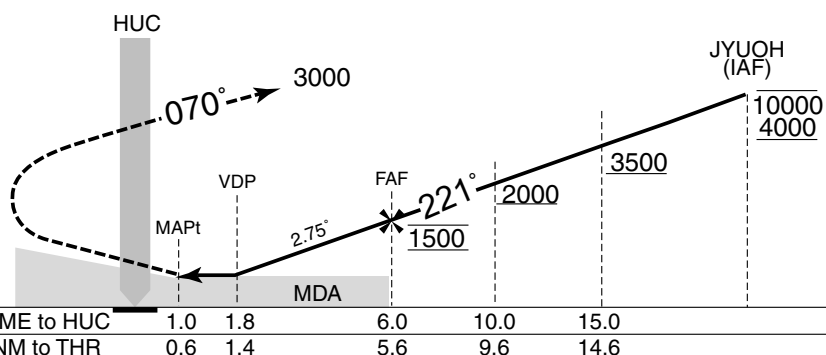
HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC 323.8 CH-80X 36°11'13"N/140°24'49"E	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
---	---	---	------------



## 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		
C			660 (553)	2400
D				3200

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY21L



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY21R

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC 36°11'13"N/140°24'49"E CH-80X	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)	1500	580 (473)	1600
B		1800	660 (553)	2400
C		2000		3200
D				

## INSTRUMENT APPROACH CHART


RJAH / HYAKURI

TACAN Y RWY21R



RJAH / HYAKURI

HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3

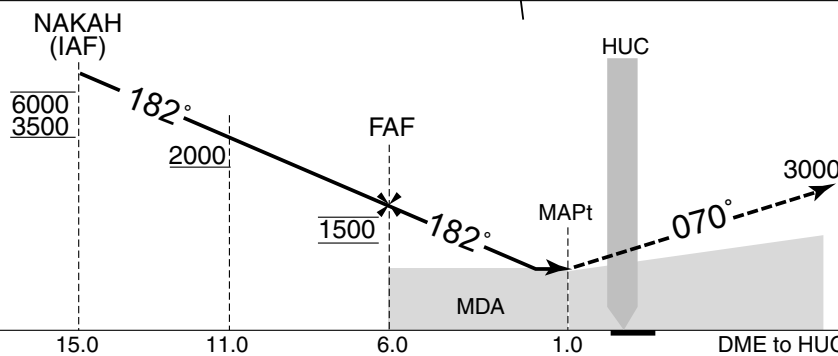
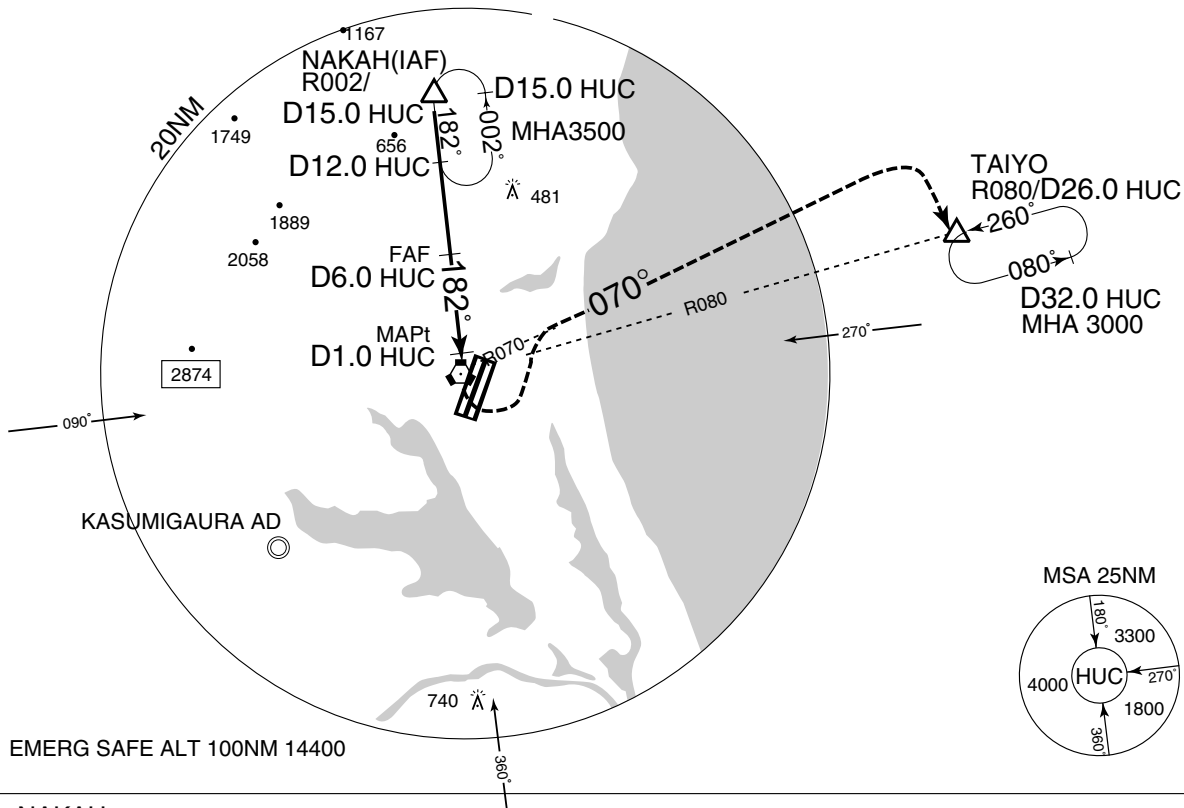
HYAKURI VORTAC  
113.3 HUC   
CH-80X  
36°11'13"N/140°24'49"

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

RADAR AVBL

VAR 8°W (2018)

- EQPT REQUIRED



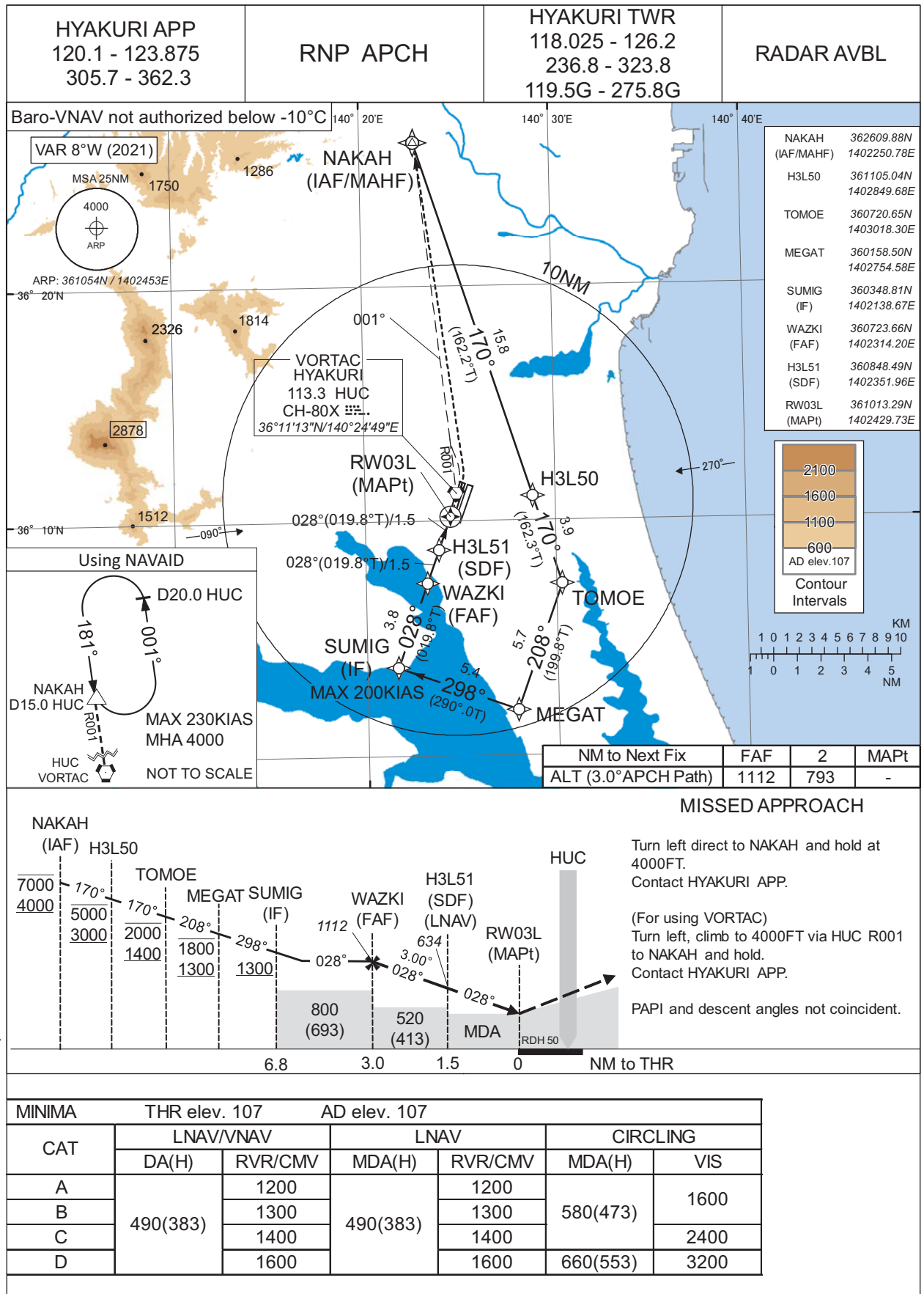
**MISSED APPROACH**  
1.0DME prior to HUC TACAN, left  
climbing turn to 3000FT via  
HUC R070, via HUC 26.0DME  
clockwise ARC to TAIYO and  
hold.  
Contact HYAKURI APP.

MINIMA		AD elev. 107
CAT	CIRCLING	
	MDA(H)	VIS
A	580 (473)	1600
B		
C	660 (553)	2400
D		3200

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

RNP RWY03L

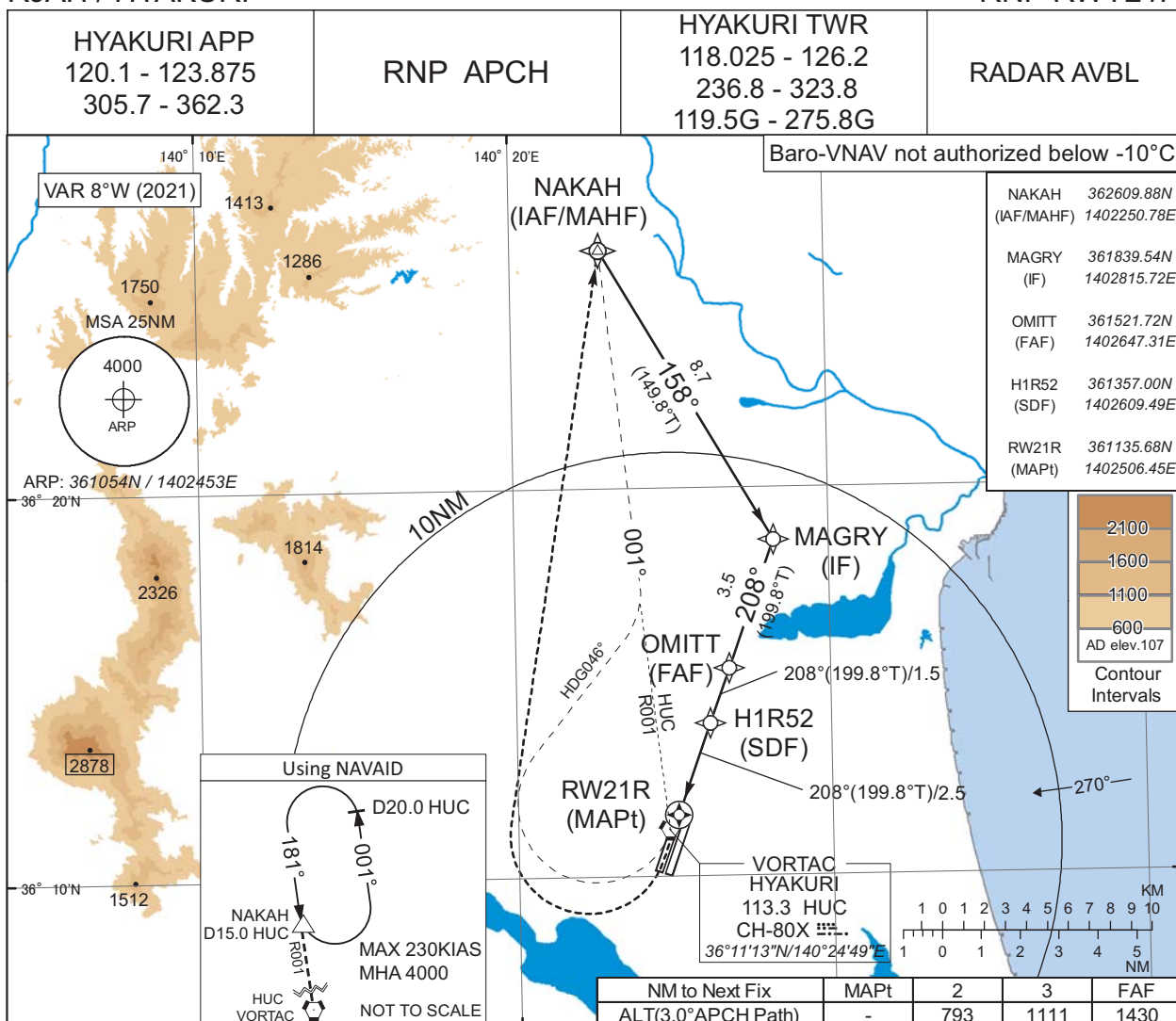


CHANGE : PROC renamed. Requirement for RNP.

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

RNP RWY21R



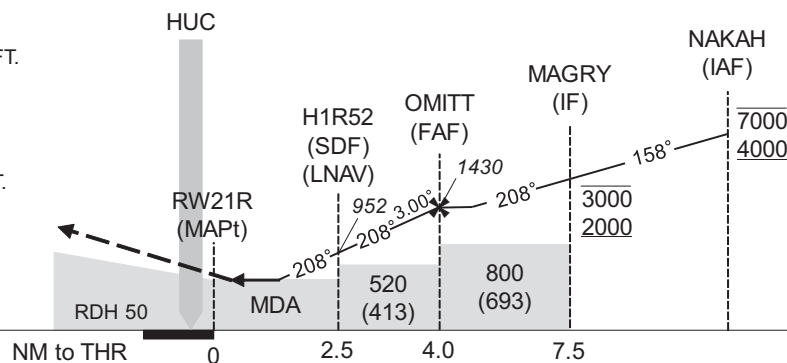
## MISSED APPROACH

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

(For using VORTAC)

Turn right HDG046° to intercept and proceed  
via HUC R001 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	520(413)		2000		520(413)	

CHANGE : PROC renamed. Requirement for RNP.



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)