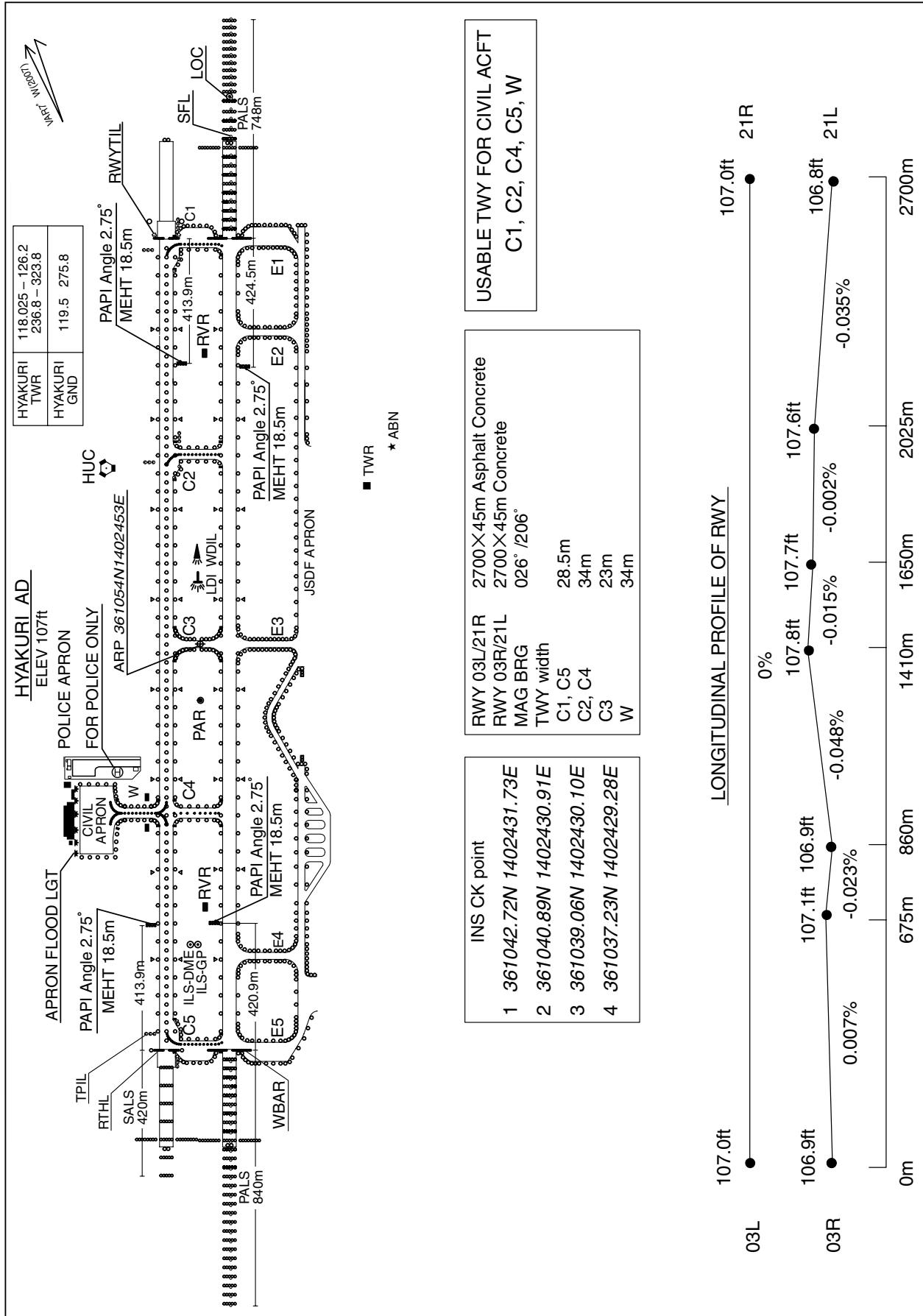
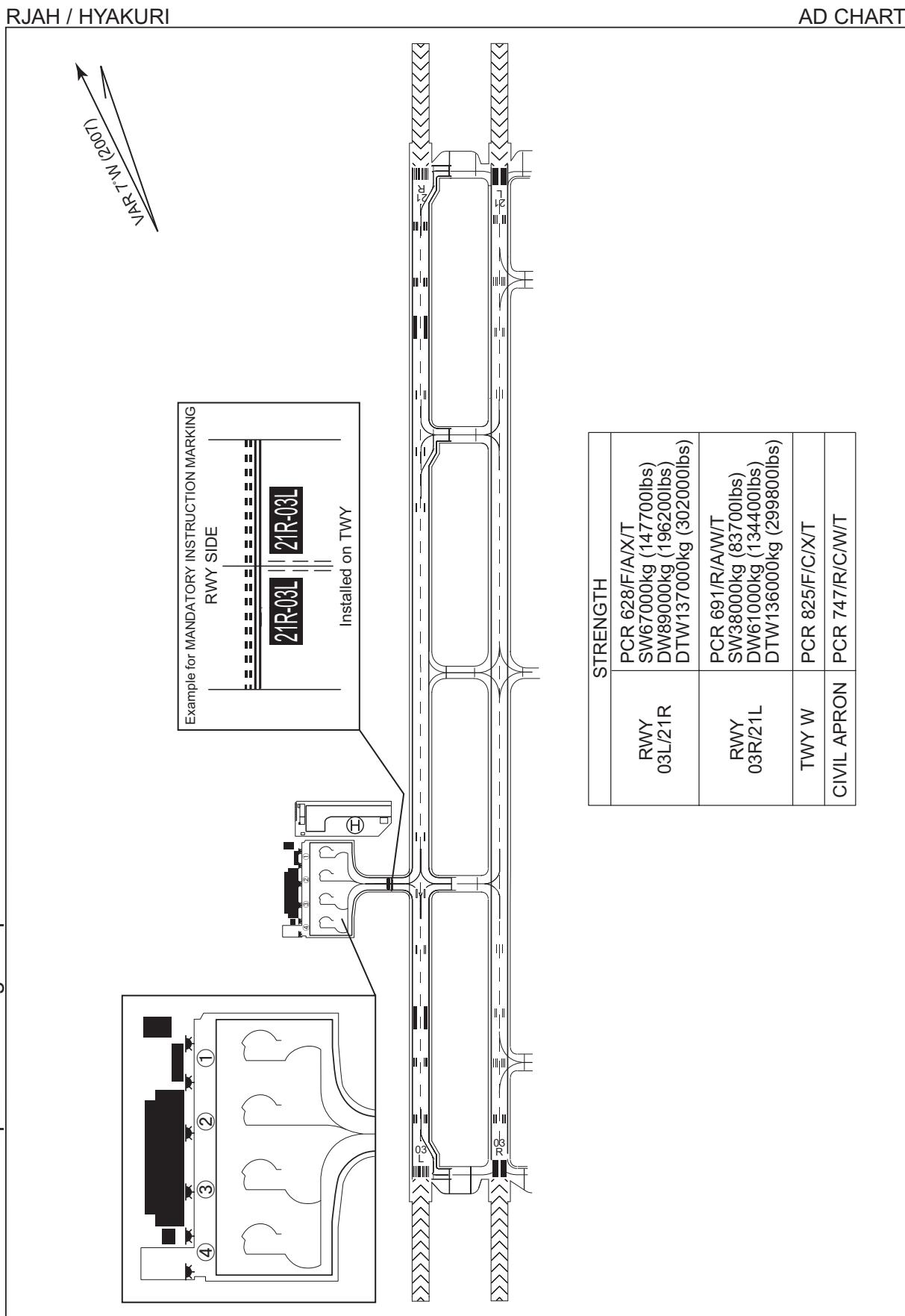


RJAH / HYAKURI

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

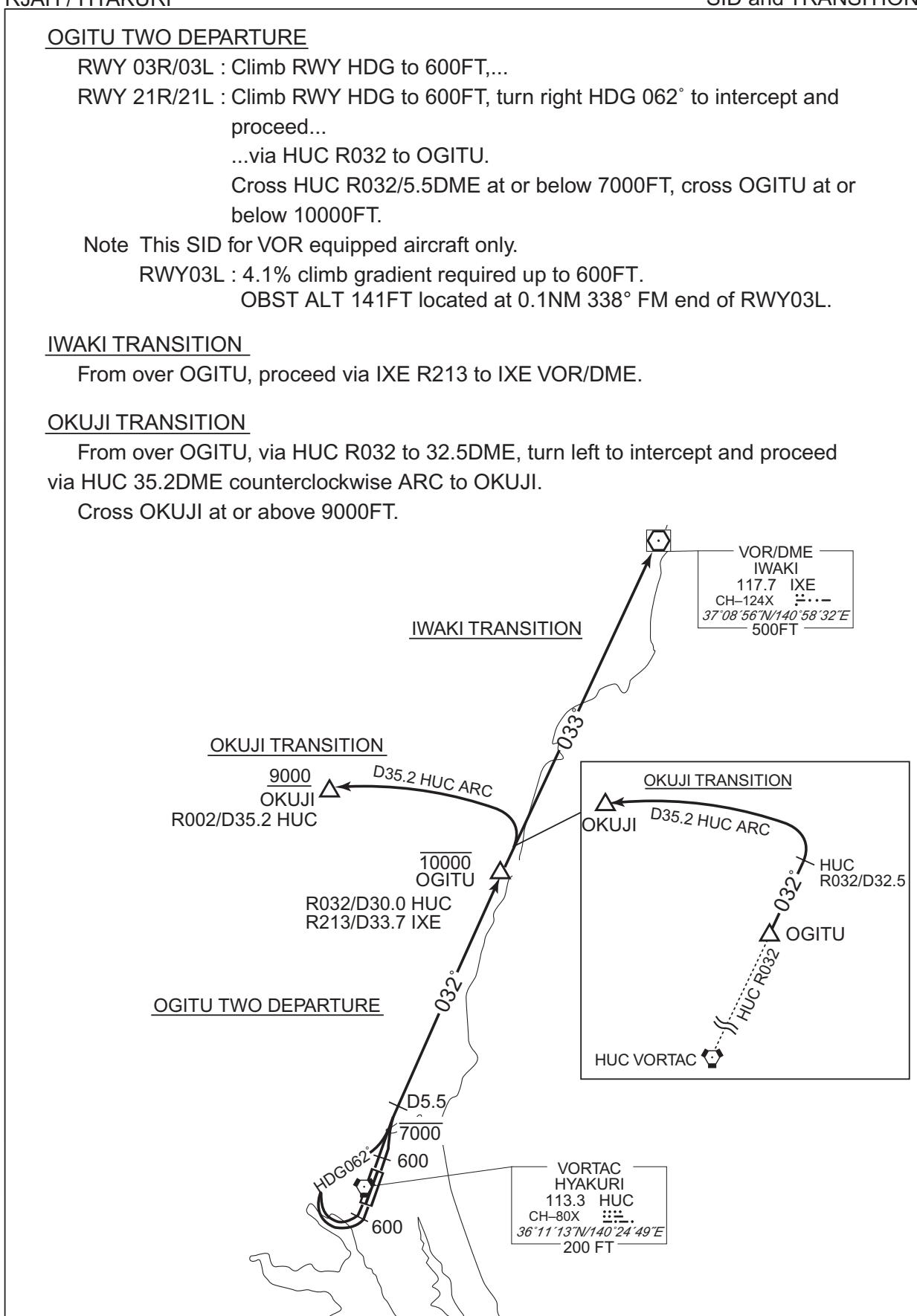
From over OGITU, proceed via IXE R213 to IXE VOR/DME.

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

RJAH / HYAKURI

SID

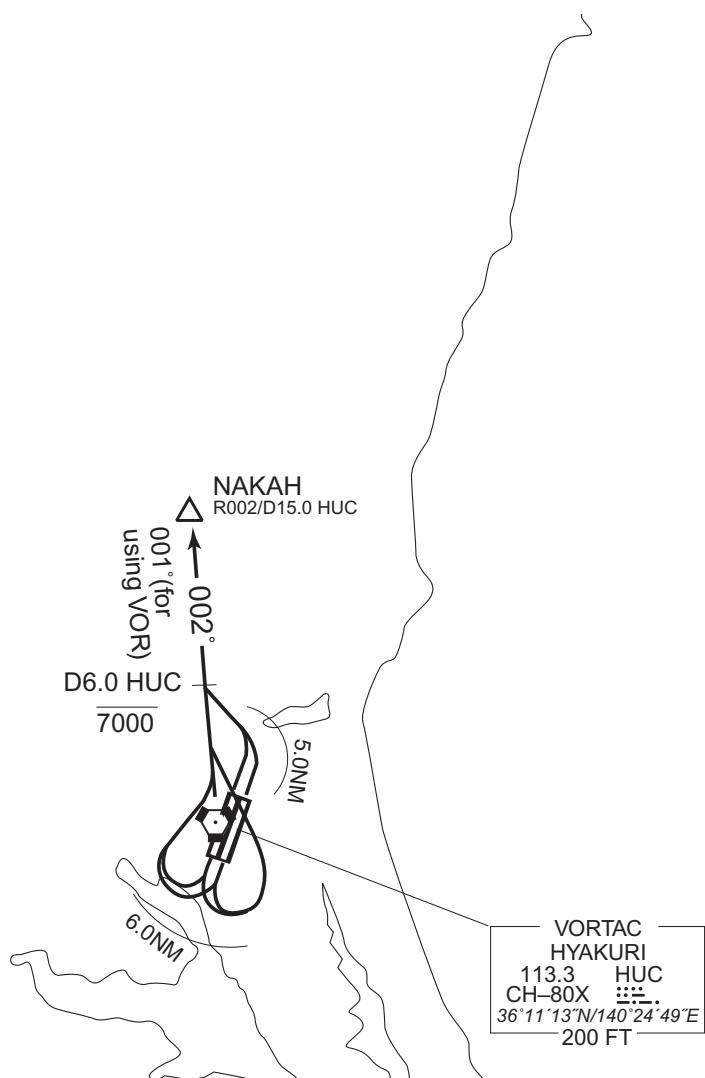
NAKAH FOUR DEPARTURE

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(ID) 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.	

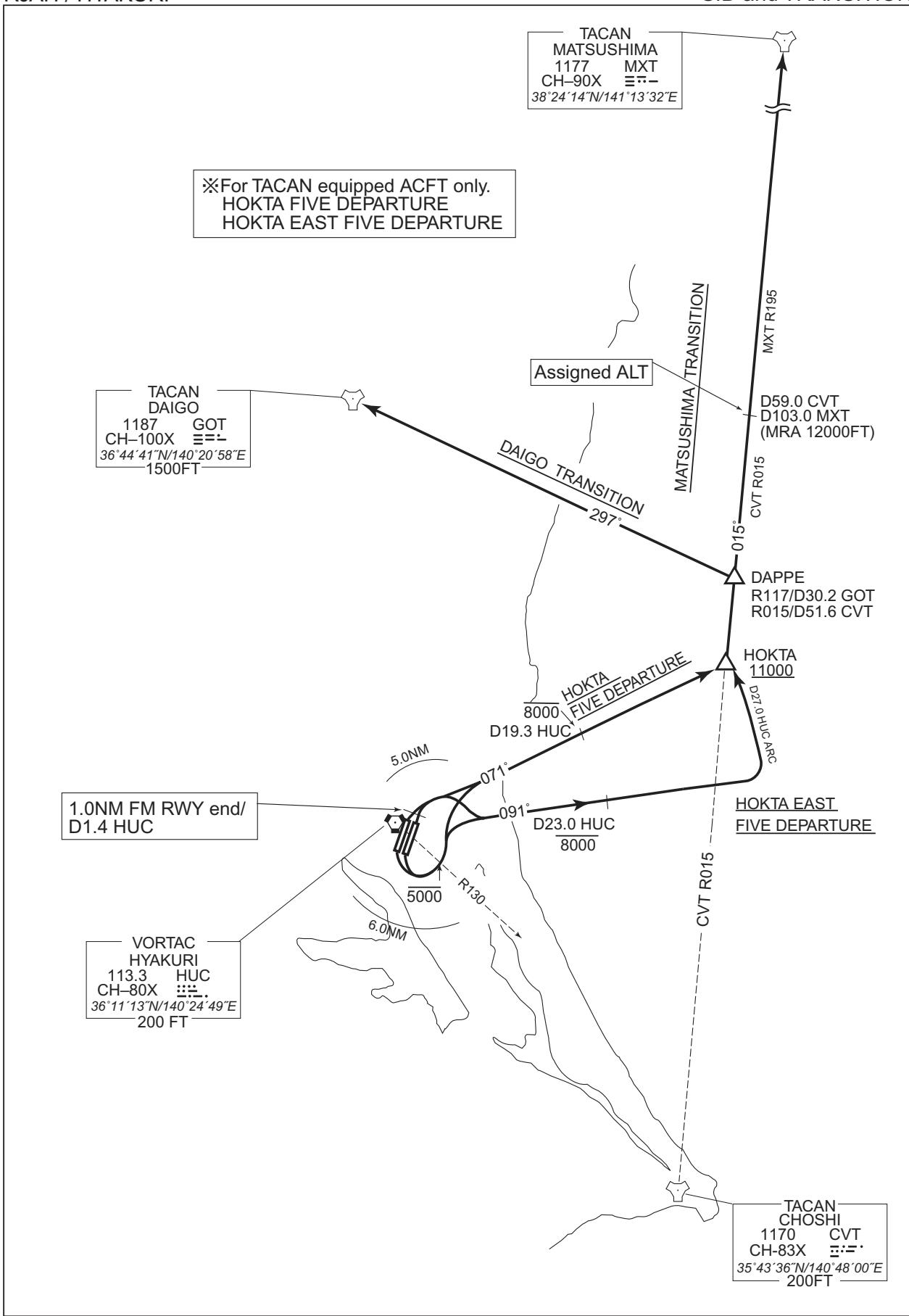
CHANGE : Course FM DAPPE to GOT.

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.

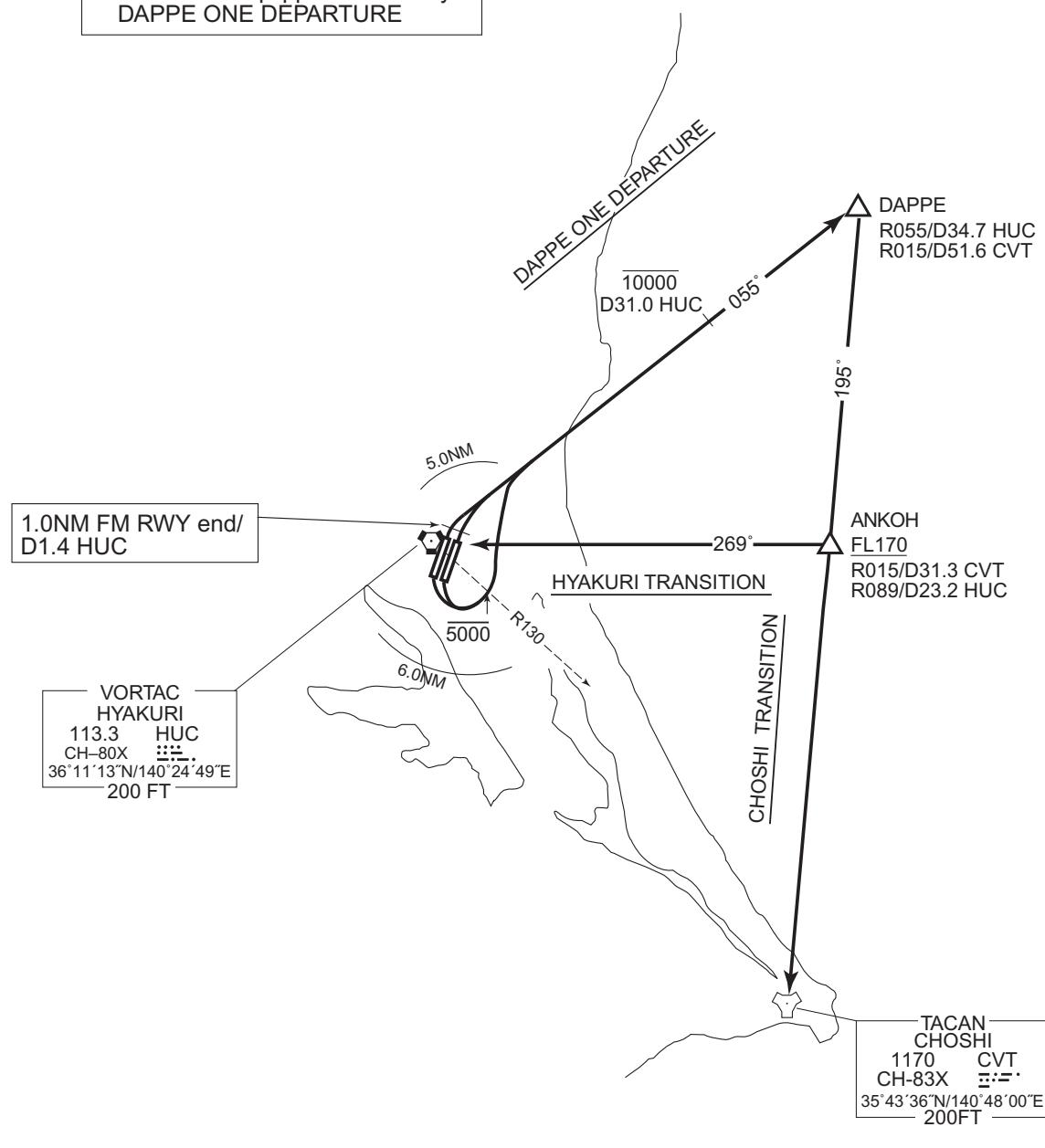
Cross ANKOH at or above FL170.

STANDARD DEPARTURE CHART - INSTRUMENT

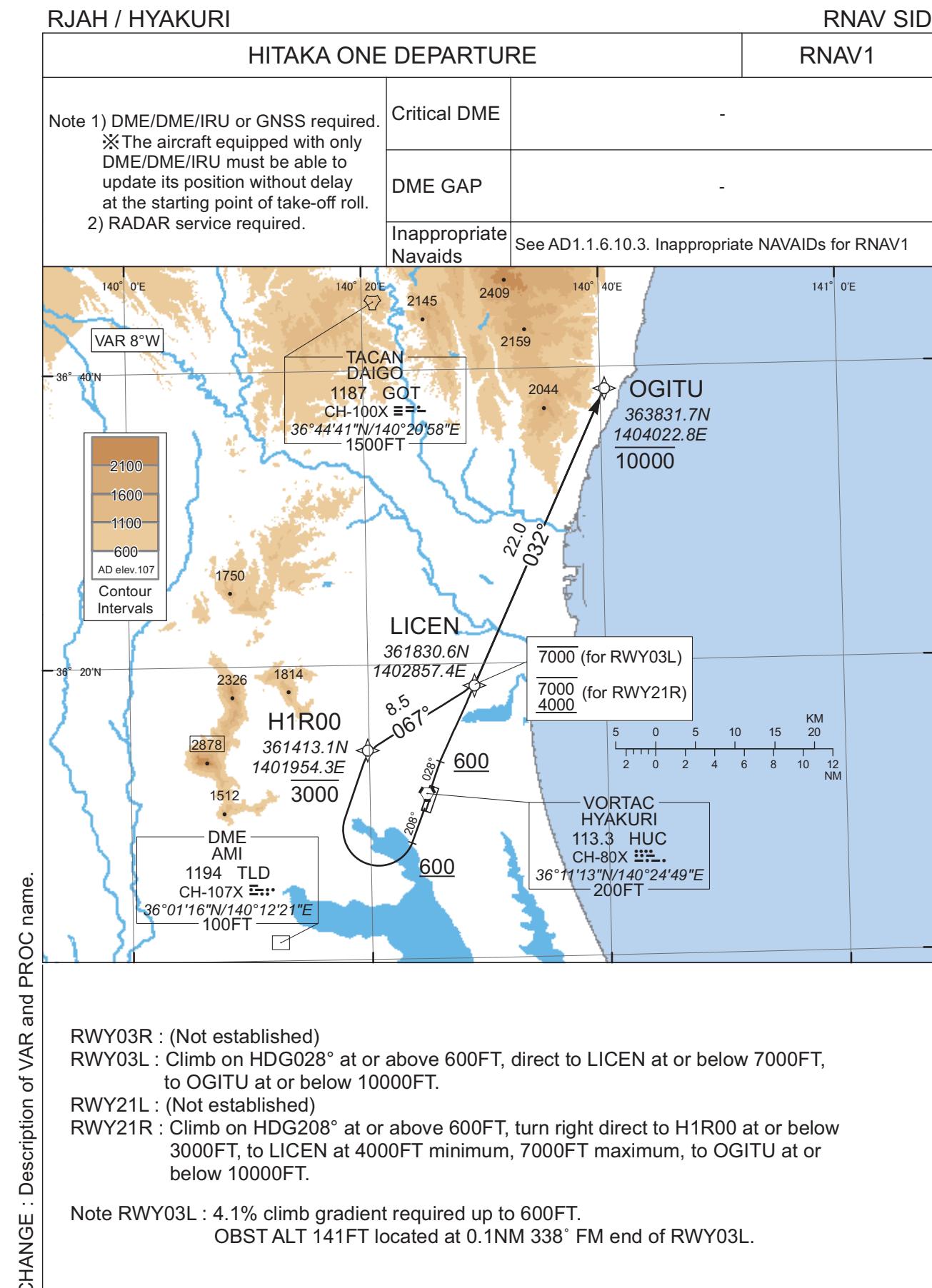
RJAH / HYAKURI

SID and TRANSITION

※For TACAN equipped ACFT only.
DAPPE ONE DEPARTURE



STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / 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

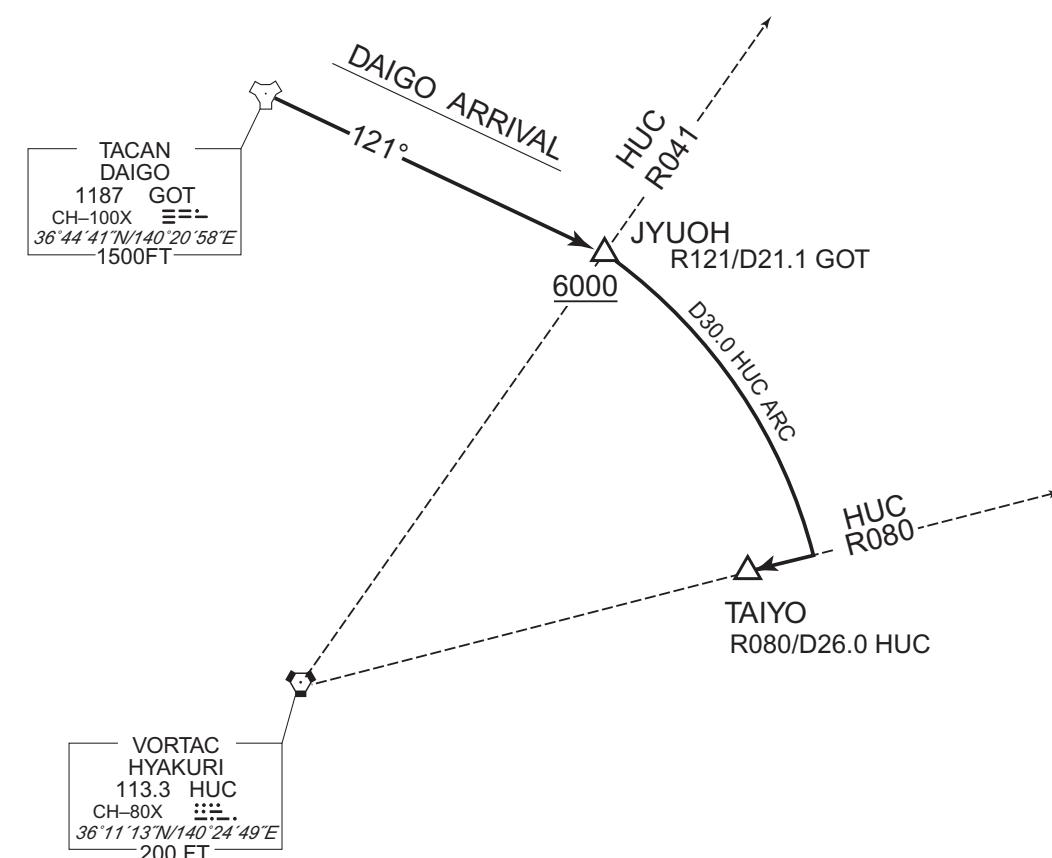
CHANGE : New PROC.

STANDARD ARRIVAL CHART -INSTRUMENT

RJAH / HYAKURI

STAR

CHANGE : Course, DIST FM GOT to JYUOH.



STANDARD ARRIVAL CHART -INSTRUMENT

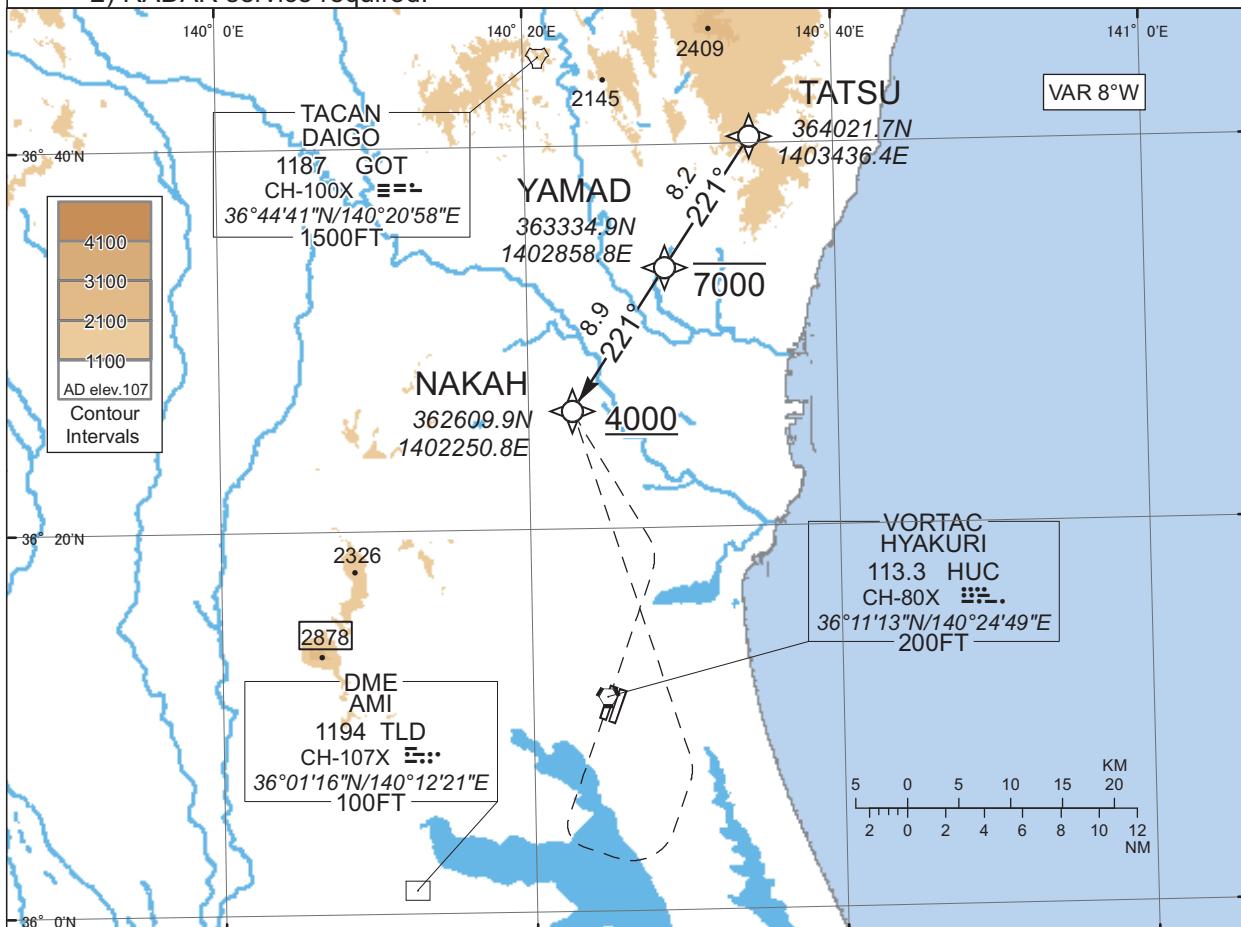
RJAH / HYAKURI

TATSU ARRIVAL

RNAV STAR

RNAV1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



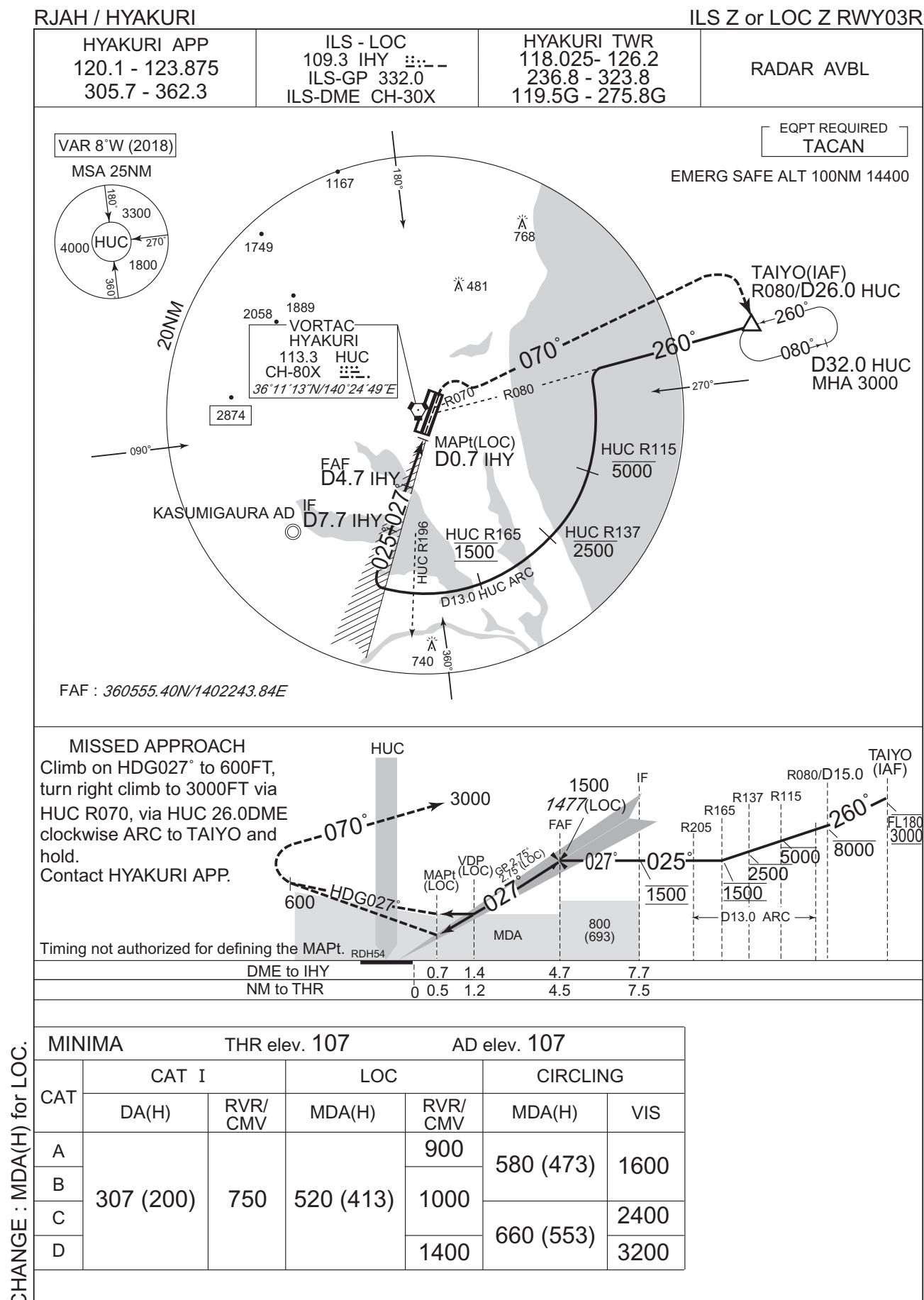
From TATSU, to YAMAD at or below 7000FT, to NAKAH at or above 4000FT.

Critical DME	-
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

CHANGE : Description of VAR and PROC name.

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

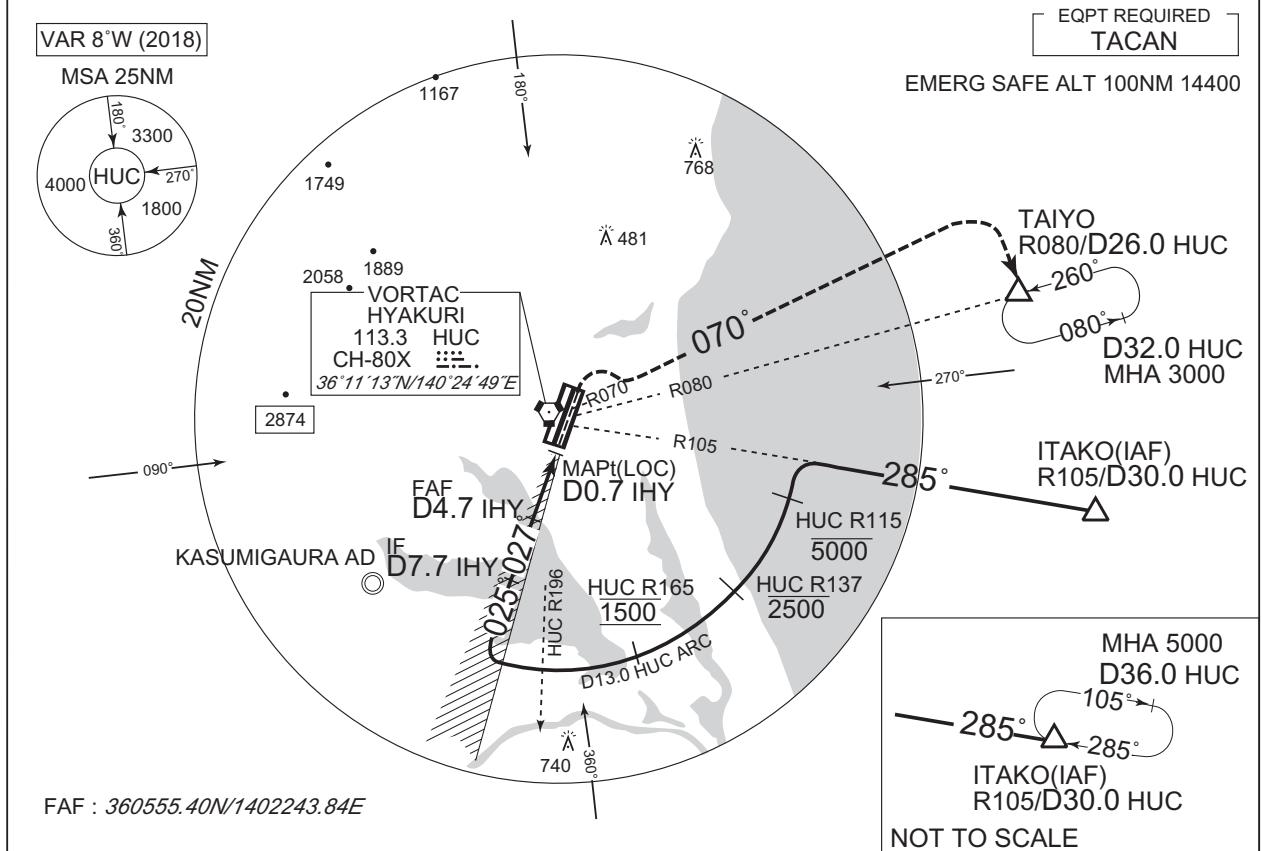


INSTRUMENT APPROACH CHART

RJAH / HYAKURI

ILS Y or LOC Y RWY03R

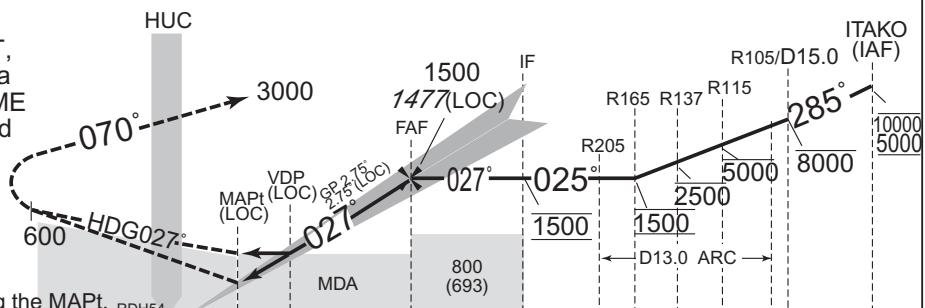
HYAKURI APP 120.1 - 123.875 305.7 - 362.3	ILS - LOC 109.3 IHY 332.0 ILS-GP 332.0 ILS-DME CH-30X	HYAKURI TWR 118.025- 126.2 236.8 - 323.8 119.5G - 275.8G	RADAR AVBL
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MISSED APPROACH
Climb on HDG027° to 600FT,
turn right climb to 3000FT via
HUC R070,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

Contact HYAKURI APP.

Timing not authorized for defining t



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		2400
C				1400	660 (553)	3200
D						

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

HYAKURI APP
120.1 - 123.875
305.7 - 362.3

ILS - LOC
109.3 IHY 111-
ILS-GP 332.0
ILS-DME CH-30X

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

RADAR AVBL

VAR 7°W

MSA 25NM

EQPT REQUIRED
DME
VOR

MAX 230KIAS
MHA 4000
D20.0 HUC
181° 001°
NAKAH (IAF)
5.0 HUC
181°
SCALE

CHANGE : DME to IHY at VDP. NM to THR at VDP. MDA(H) for LOC.

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

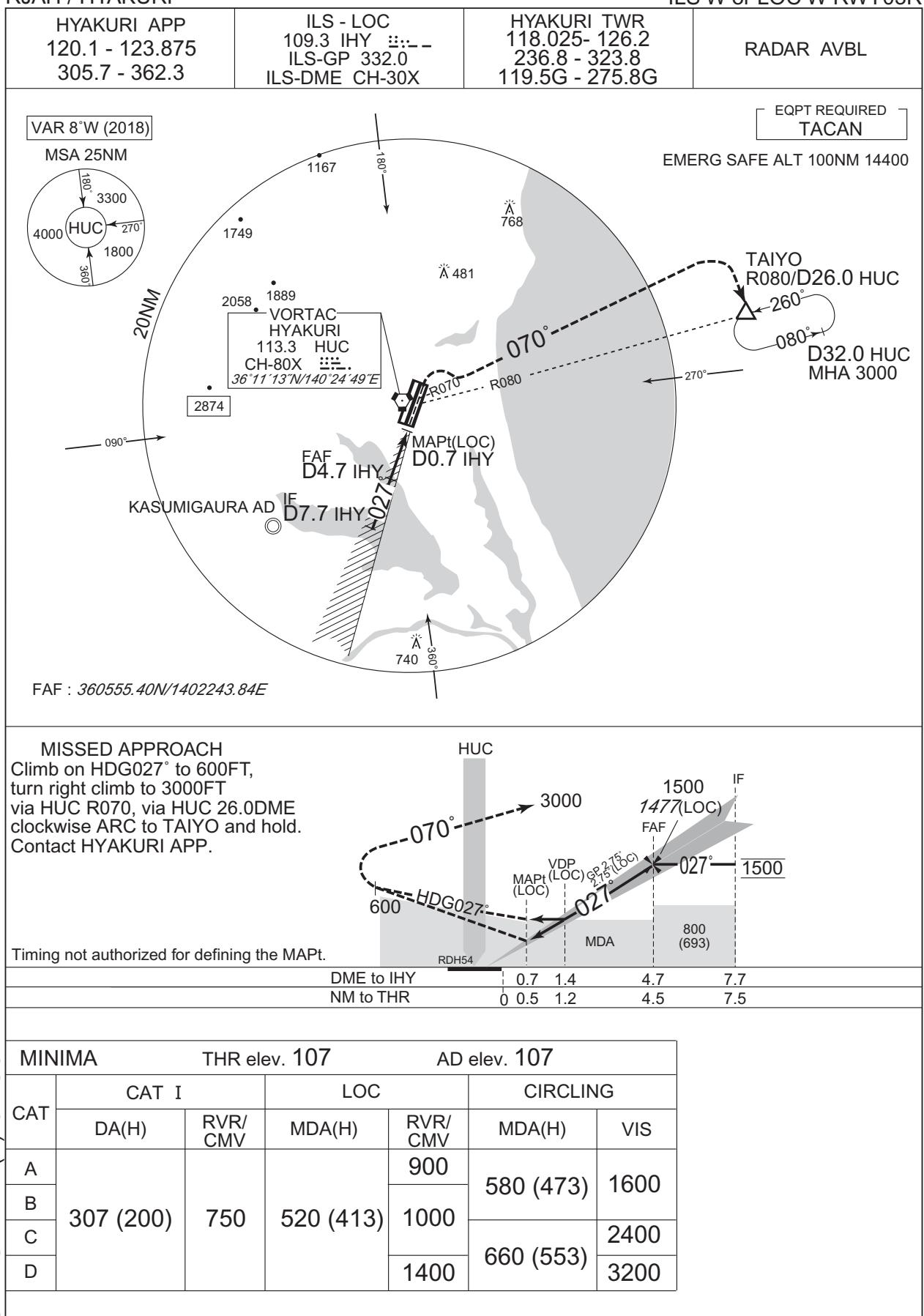
Timing not authorized for defining the MAPt

MINIMA THB elev 107 AD elev 107

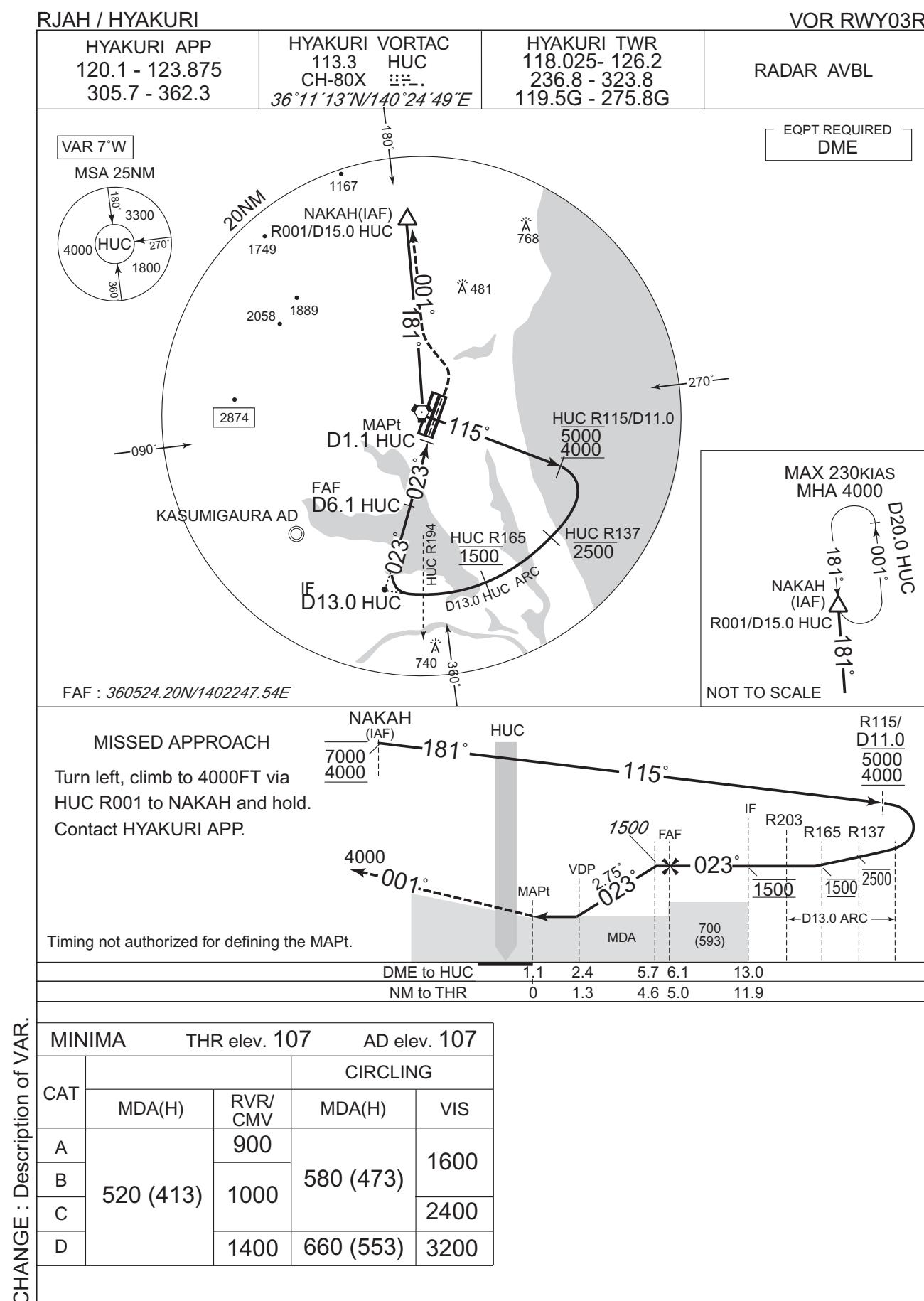
MINIMA		VIS CIV. 107		AD CIV. 107		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	307 (200)	750	510 (403)	900	580 (473)	1600
B				1000		2400
C				1400	660 (553)	3200
D						

INSTRUMENT APPROACH CHART

RJAH / HYAKURI



INSTRUMENT APPROACH CHART

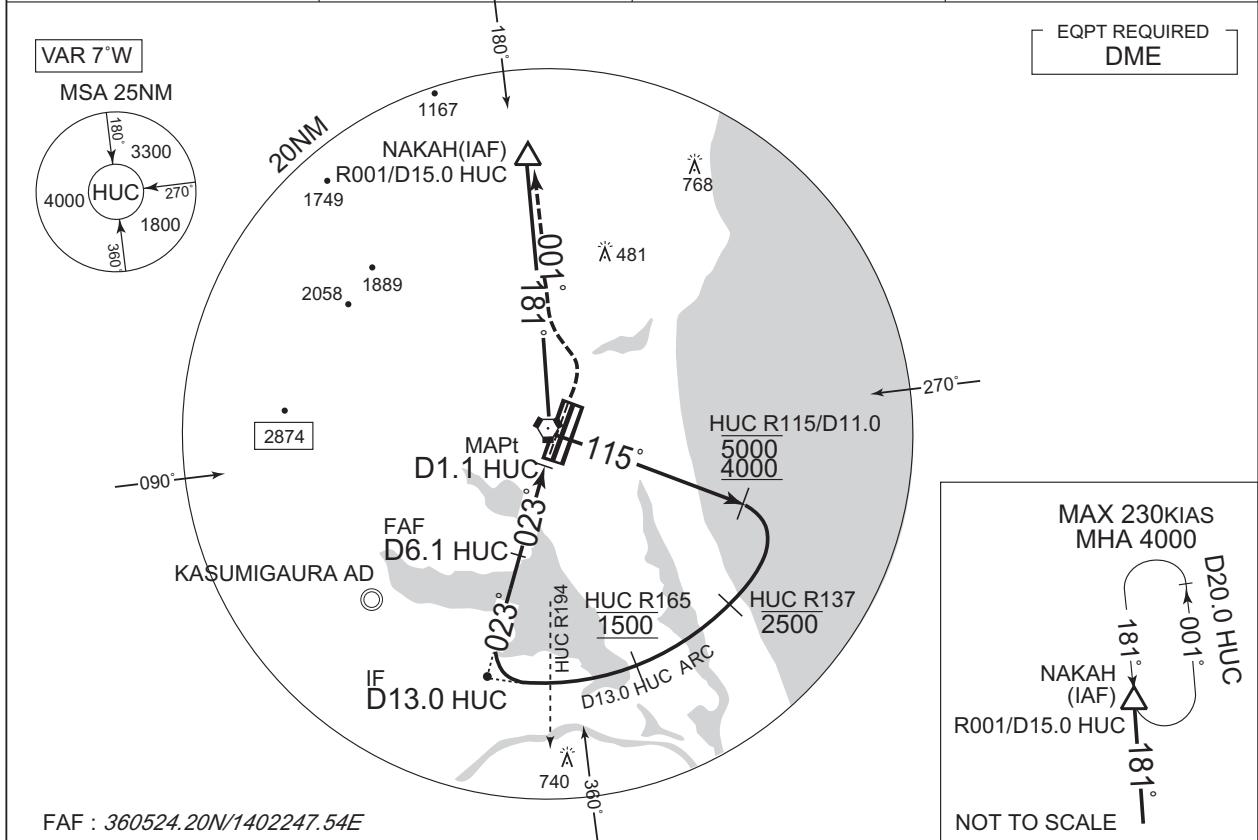


INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR RWY03L

HYAKURI APP 120.1 - 123.875 305.7 - 362.3	HYAKURI VORTAC 113.3 HUC CH-80X 33.3 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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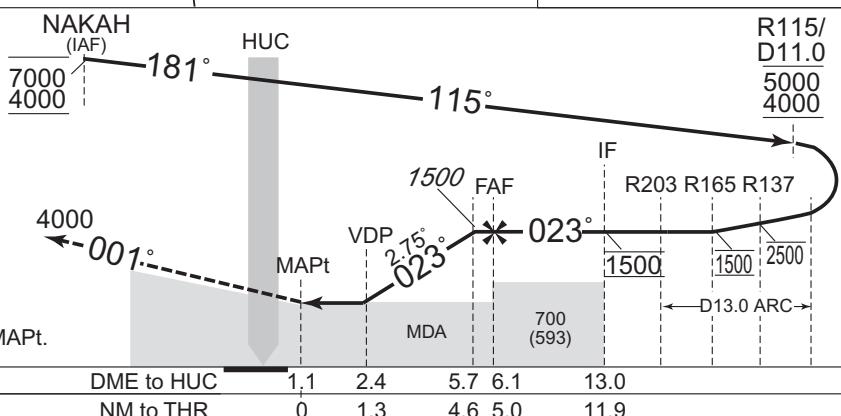


EEA : 360524 20N/1402247 54E

MISSED APPROACH

Turn left, climb to 4000FT via HUC R001 to NAKAH and hold.

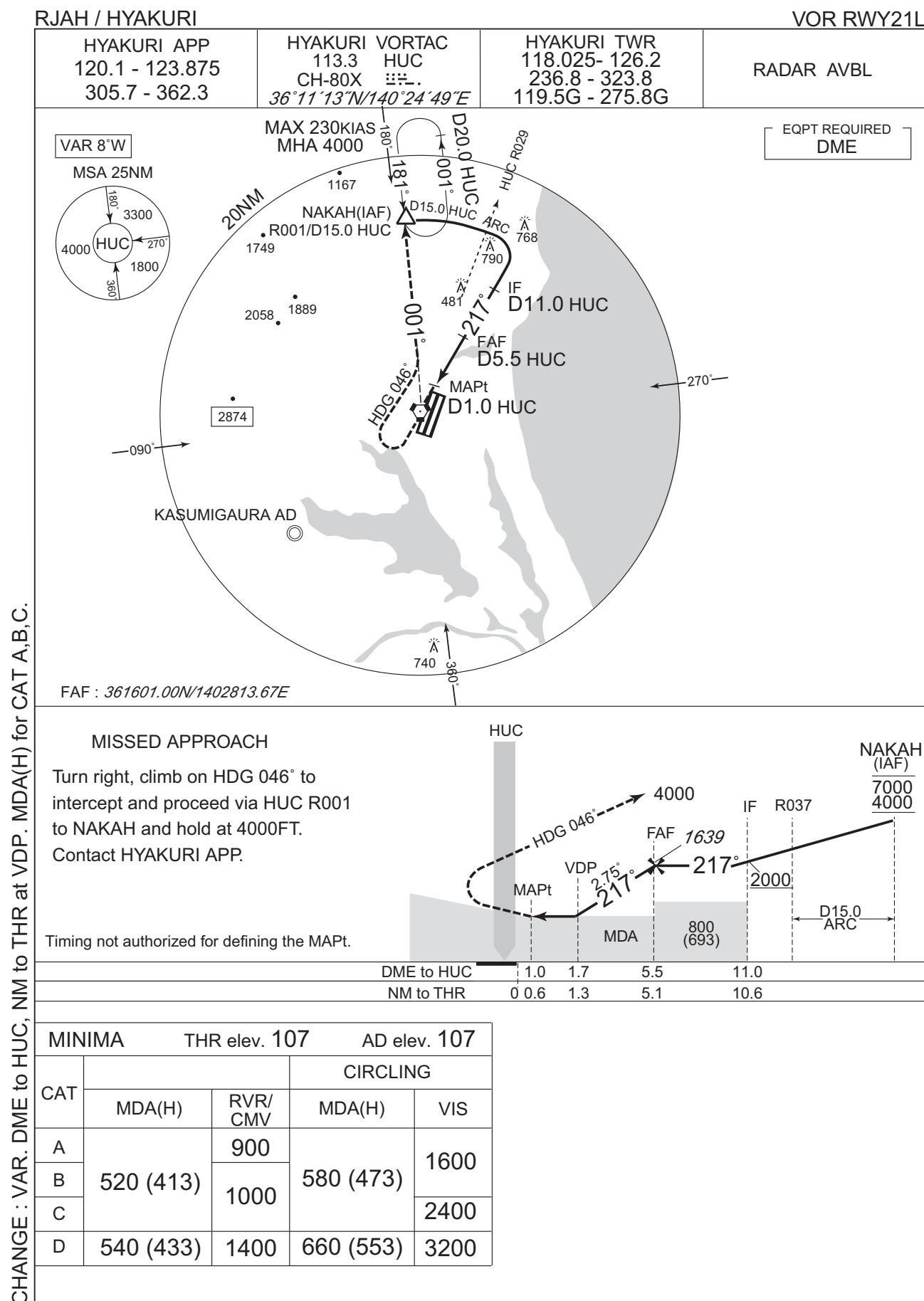
Timing not authorized for defining the MAPt



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

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	

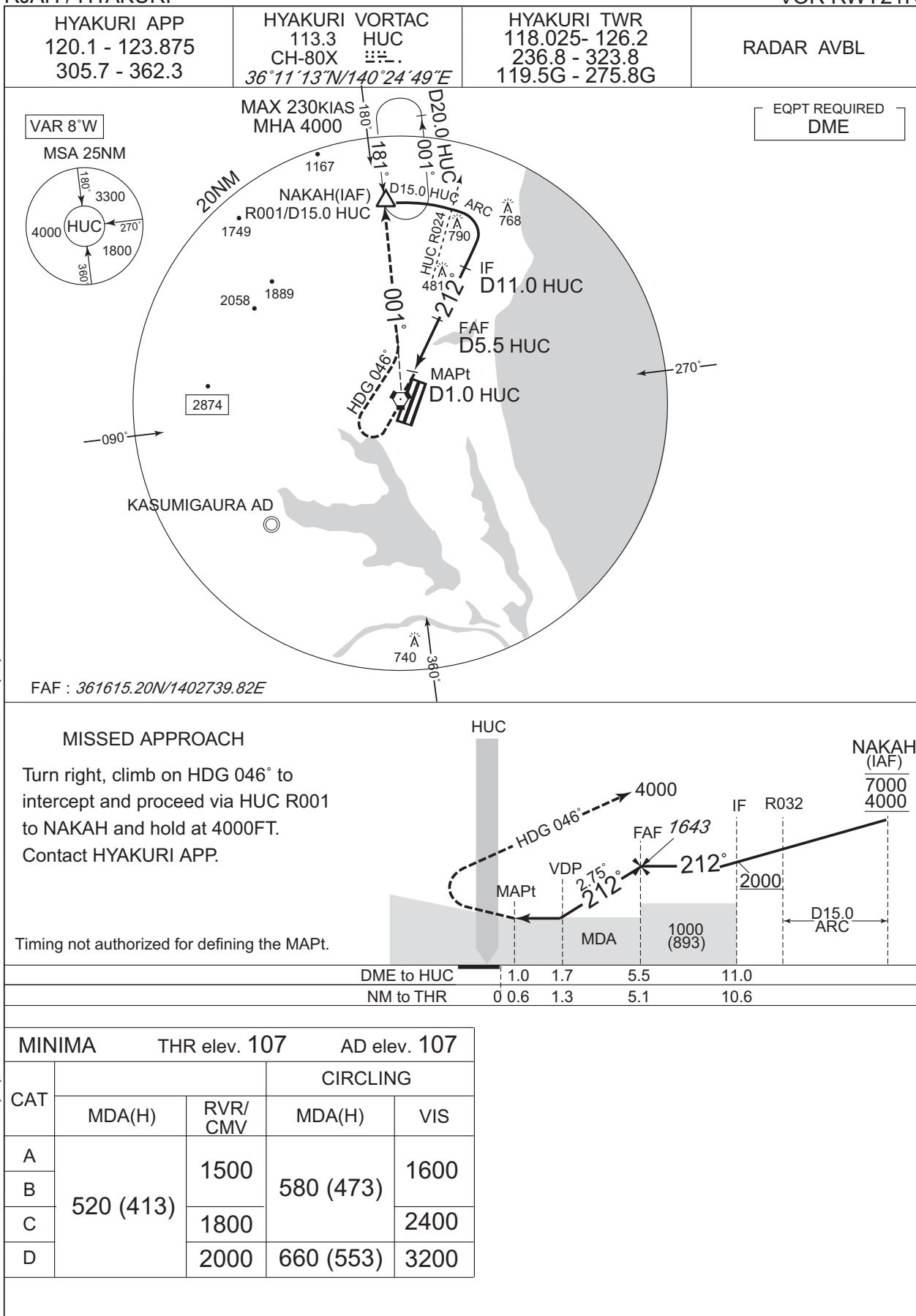
INSTRUMENT APPROACH CHART



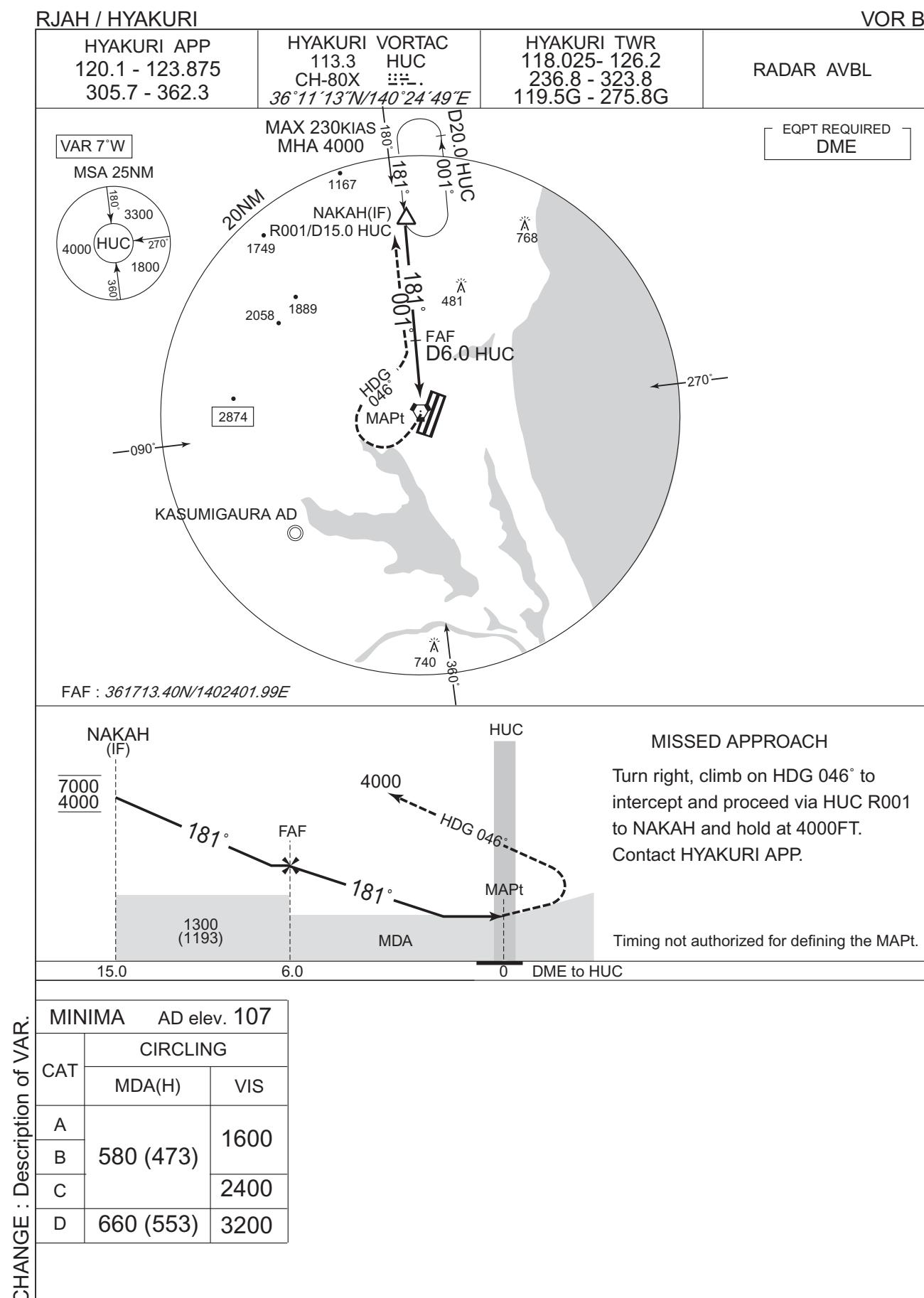
INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR RWY21R



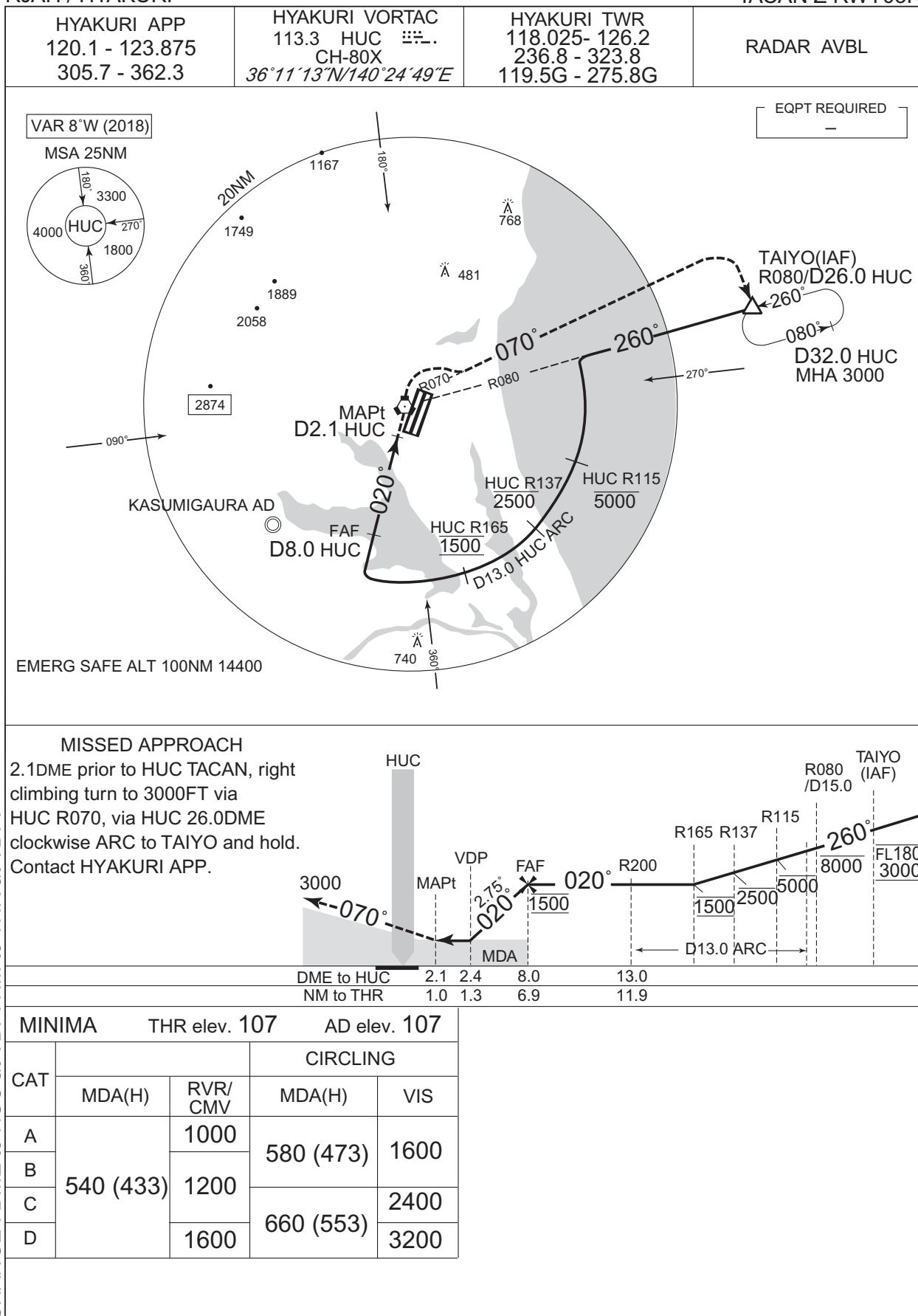
INSTRUMENT APPROACH CHART



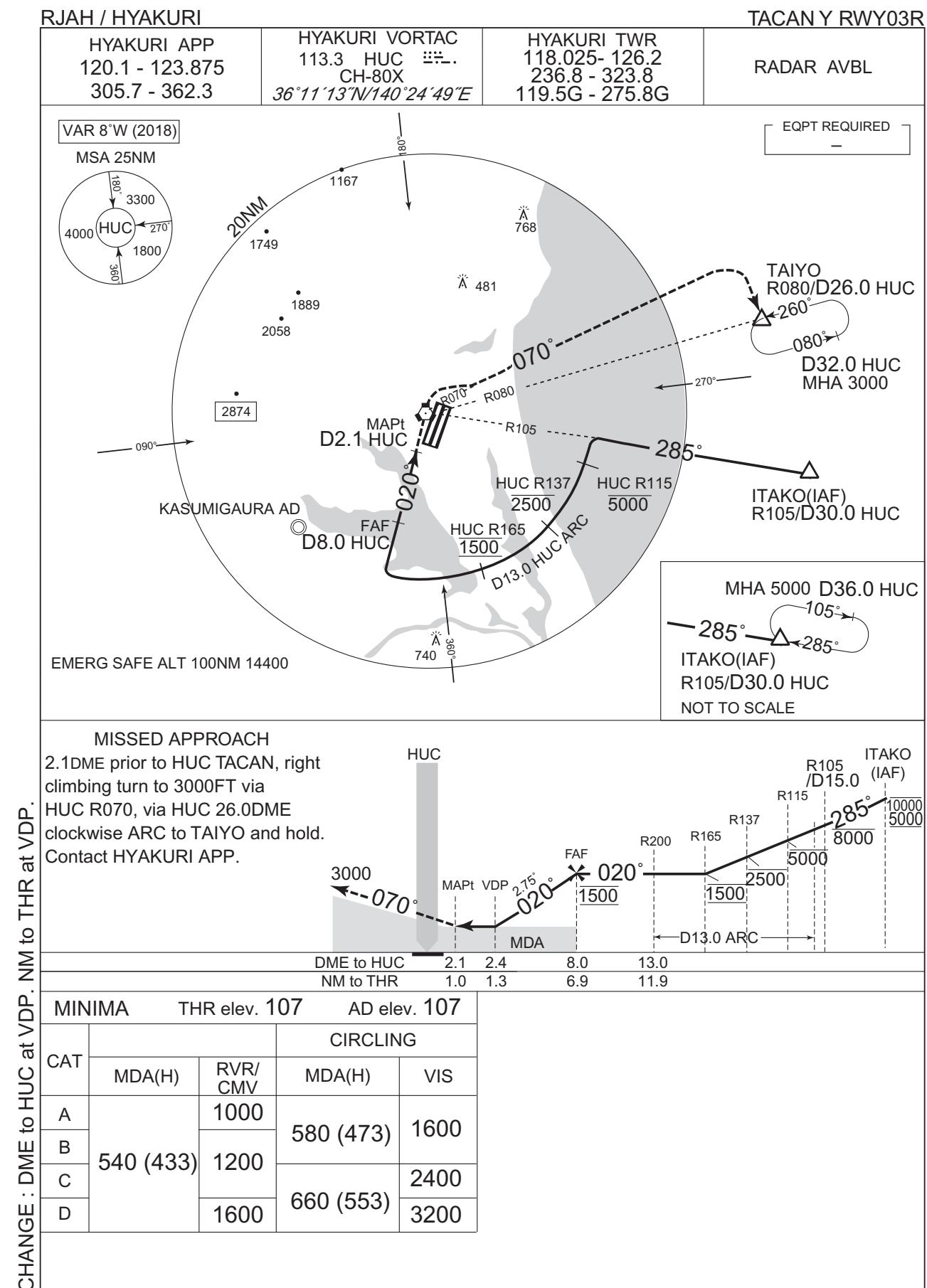
INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY03R



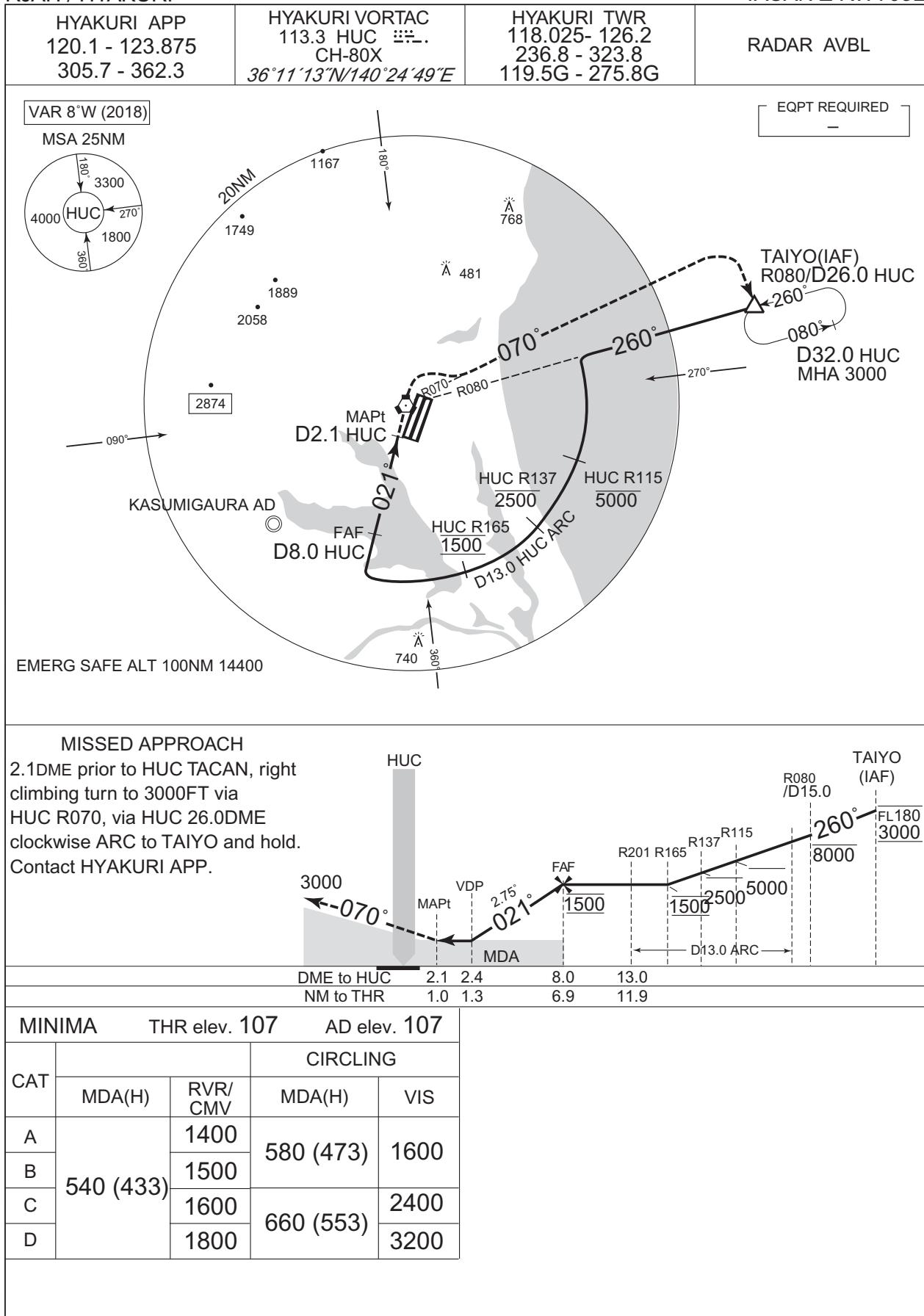
INSTRUMENT APPROACH CHART



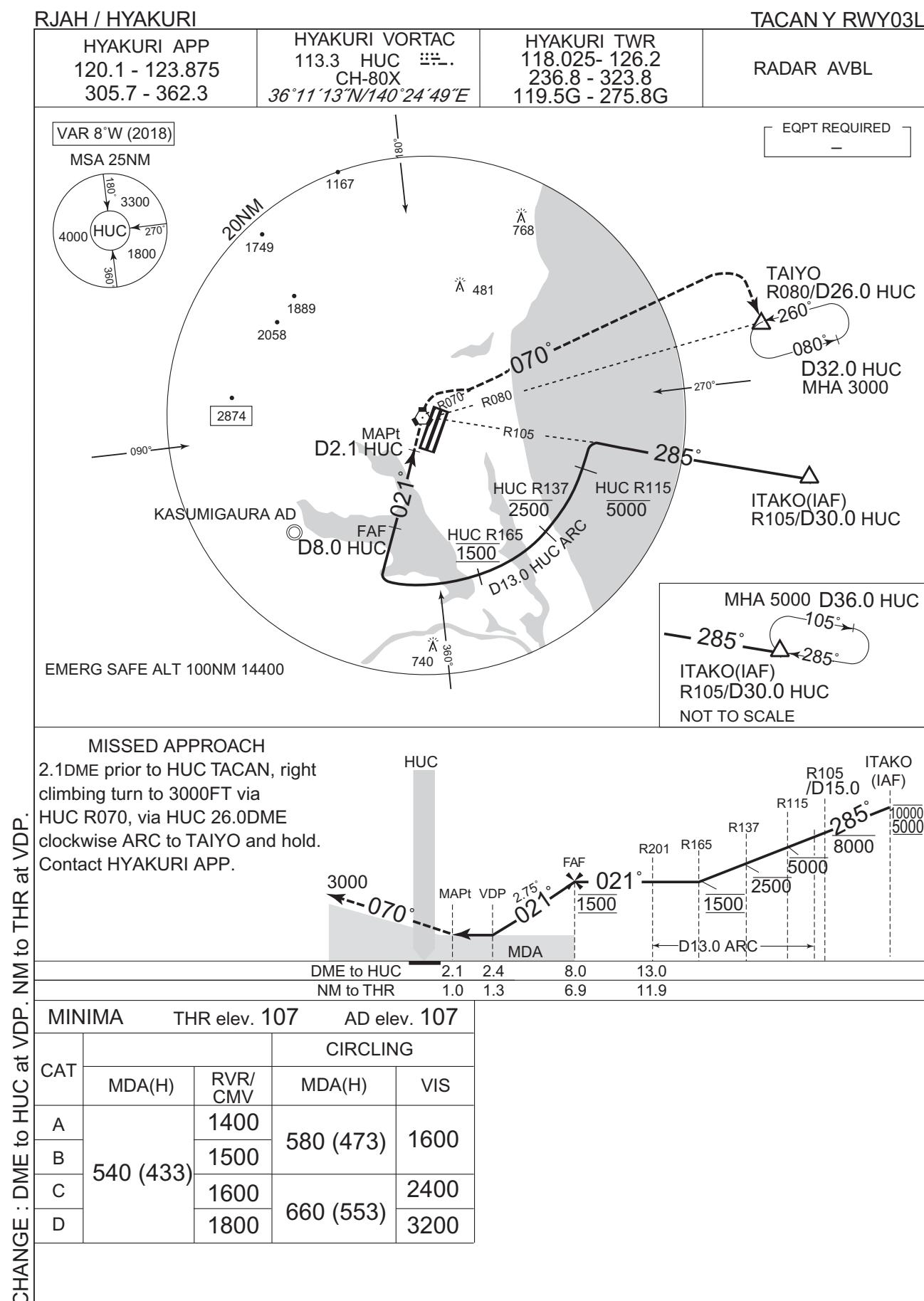
INSTRUMENT APPROACH CHART

RJAH / HYAKURI

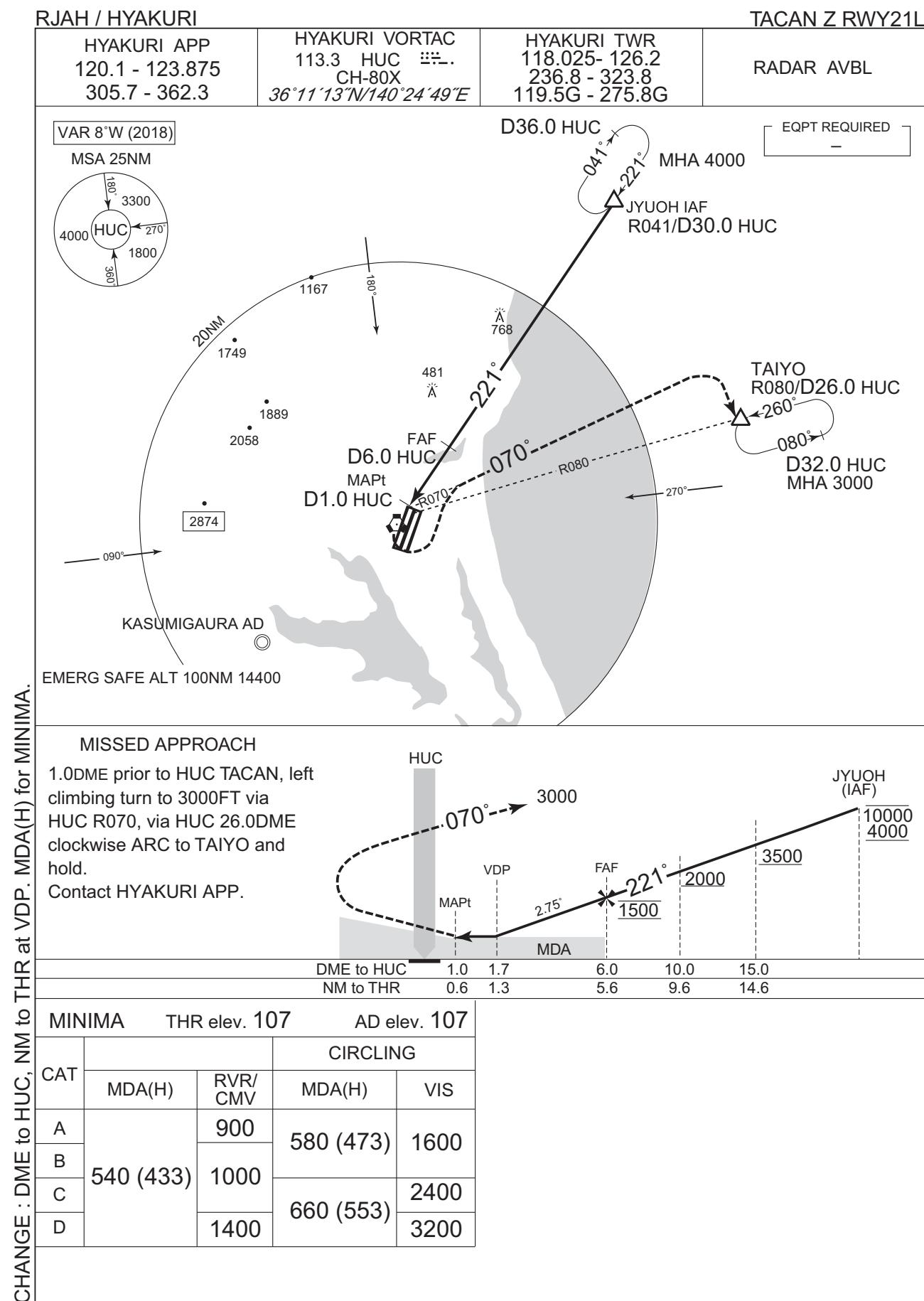
TACAN Z RWY03L



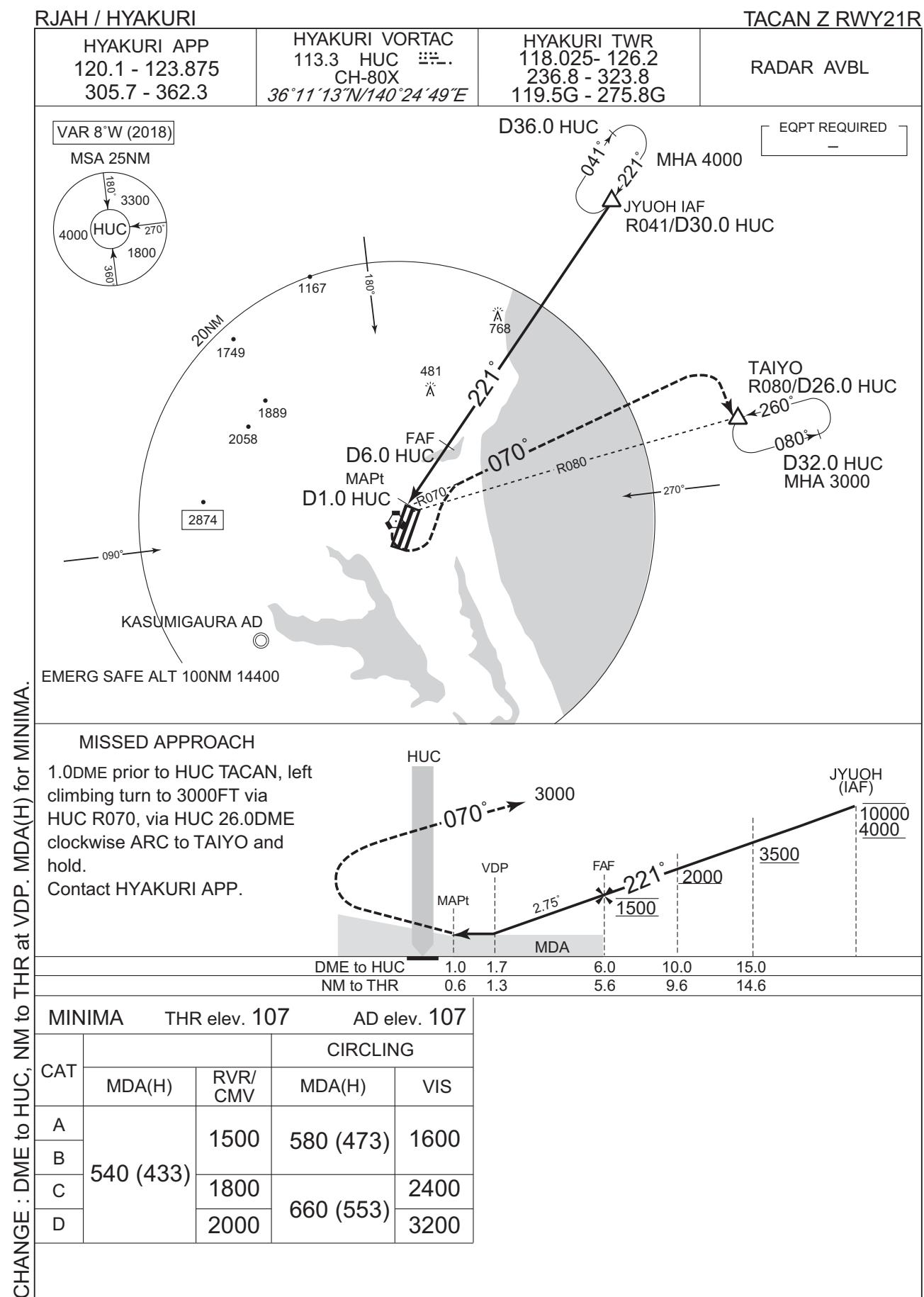
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN A

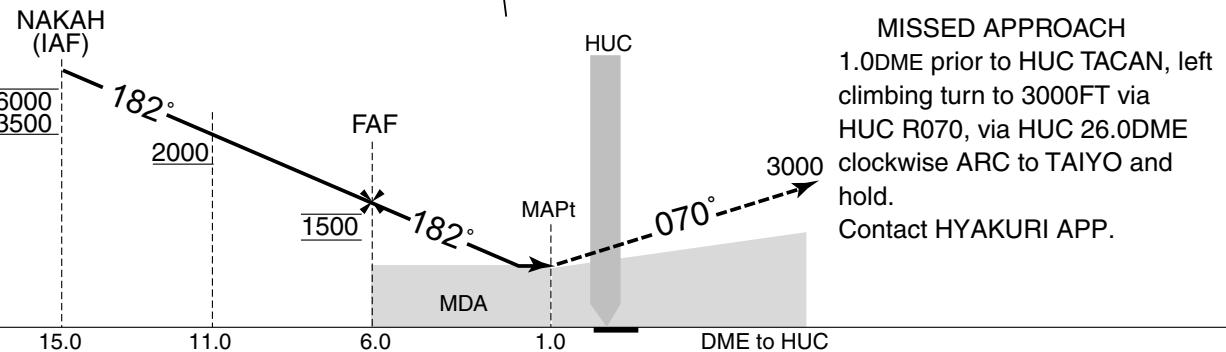
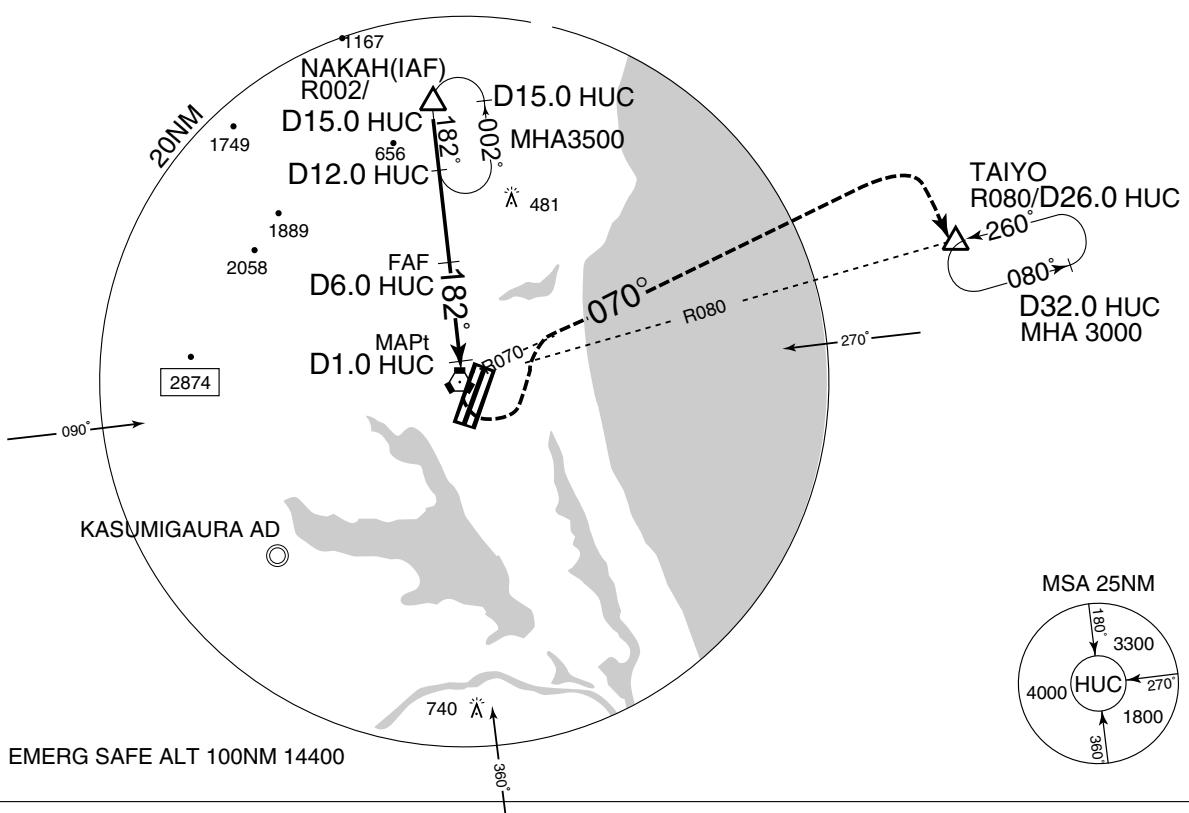
HYAKURI APP
120.1 - 123.875
305.7 - 362.3

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

VAR 8°W (2018)

EQPT REQUIRED
-

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

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

Baro-VNAV not authorized below -10°C

VAR 8°W
MSA 25NM
4000 ARP
ARP: 361054N / 1402453E

NAKAH (IAF/MAHF)

1286

1750

2326

1814

2878

1512

36° 20'N

36° 10'N

090°

028°(019.8°T)/1.5

028°(019.8°T)/1.5

170°
(162.2°T)

15.8°
(162.3°T)

3.9°
(162.3°T)

1.1°
(162.3°T)

5.7°
(162.3°T)

208°
(290.0T)

298°
(290.0T)

MAX 200KIAS

MEGAT

SUMIG (IF)

WAZKI (FAF)

H3L51 (SDF)

H3L50

TOMOE

NAKAH 362609.88N
(IAF/MAHF) 1402250.78E

H3L50 361105.04N
1402849.68E

TOMOE 360720.65N
1403018.30E

MEGAT 360158.50N
1402754.58E

SUMIG 360348.81N
1402138.67E

WAZKI 360723.66N
1402314.20E

H3L51 360848.49N
1402351.96E

RW03L 361013.29N
(MAPt) 1402429.73E

Contour Intervals
2100
1600
1100
600
AD elev.107

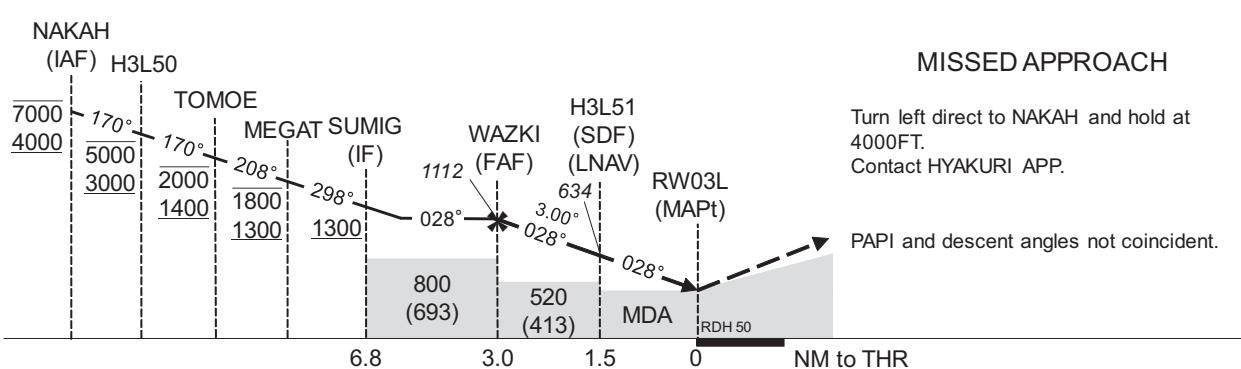
NOT TO SCALE
NAKAH 208°
028°
1MIN
MHA 4000
MAX 210KIAS

NM to Next Fix
FAF 2 MAPt

AI T (3.0°APCH Path)
1112 793

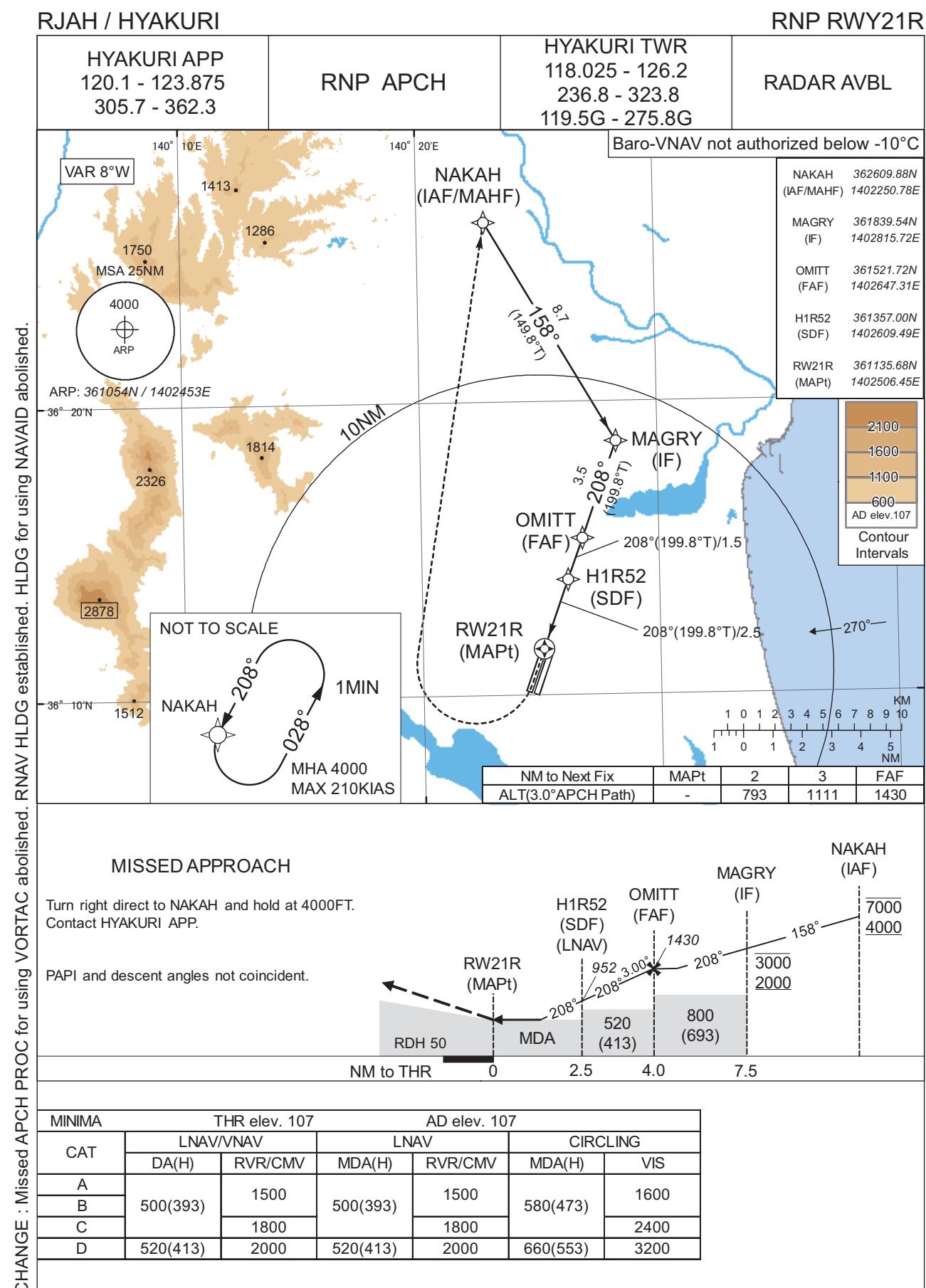
1 0 1 2 3 4 5 6 7 8 9 10
1 0 1 2 3 4 5 6 7 8 9 10
KM NM

CHANGE : Missed APCH PROC for using VORTAC abolished. RNAV HLDG established. HLDG for using NAVAID abolished.



MINIMA		THR elev. 107		AD elev. 107			
CAT	LNAV/VNAV		LNAV		CIRCLING		VIS
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)		
A	490(383)	1200	490(383)	1200	580(473)	1600	2400
B		1300		1300			
C		1400		1400			
D		1600		1600	660(553)	3200	

INSTRUMENT APPROACH CHART



RJAH / HYAKURI

Minimum Vectoring Altitude CHART

VAR 7°W (2010)

