



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 and TRANSITION

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.

NIKKO TRANSITION

From over NAKAH, via CVT R342 to 60.9DME, via JD 072° to JD NDB.



CHANGE : Editorial

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 R116 to GOT TACAN.

CHANGE : Update

STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION



CHANGE : Editorial

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

195°

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

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

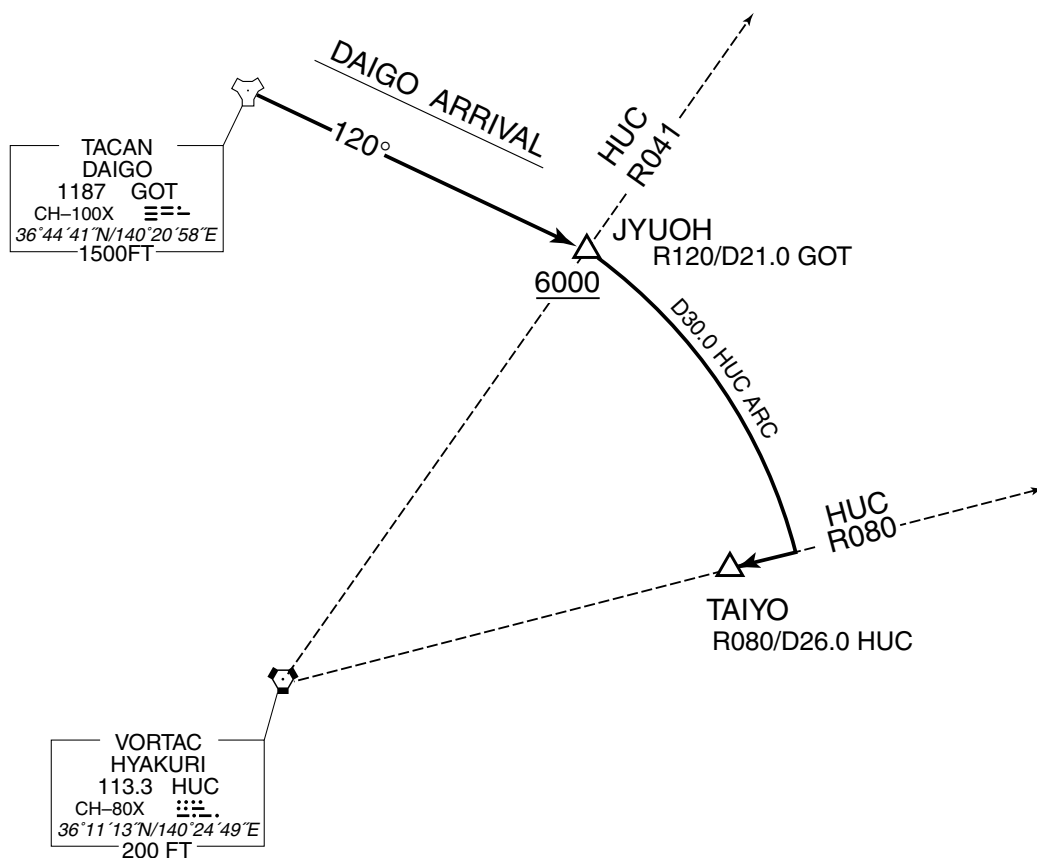
RJAH / HYAKURI

STAR

DAIGO ARRIVAL

From over GOT TACAN, proceed via GOT R120 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.



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.

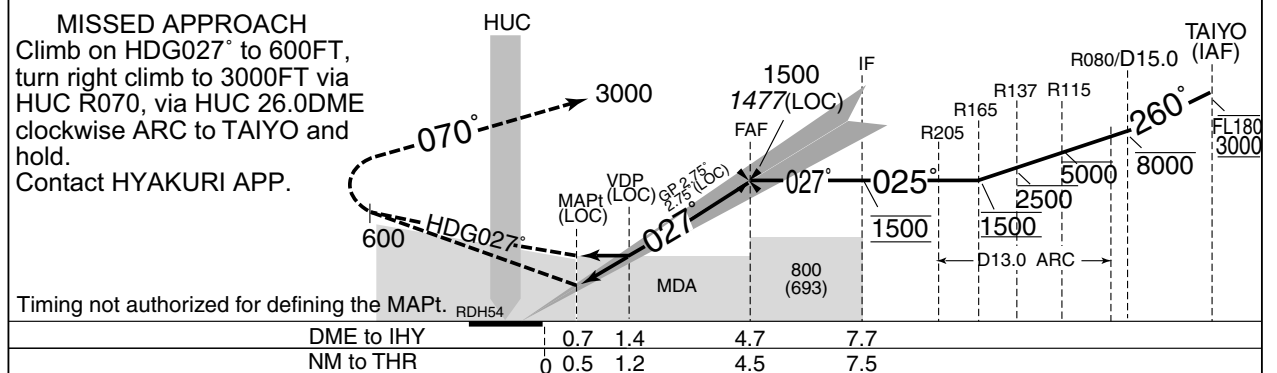
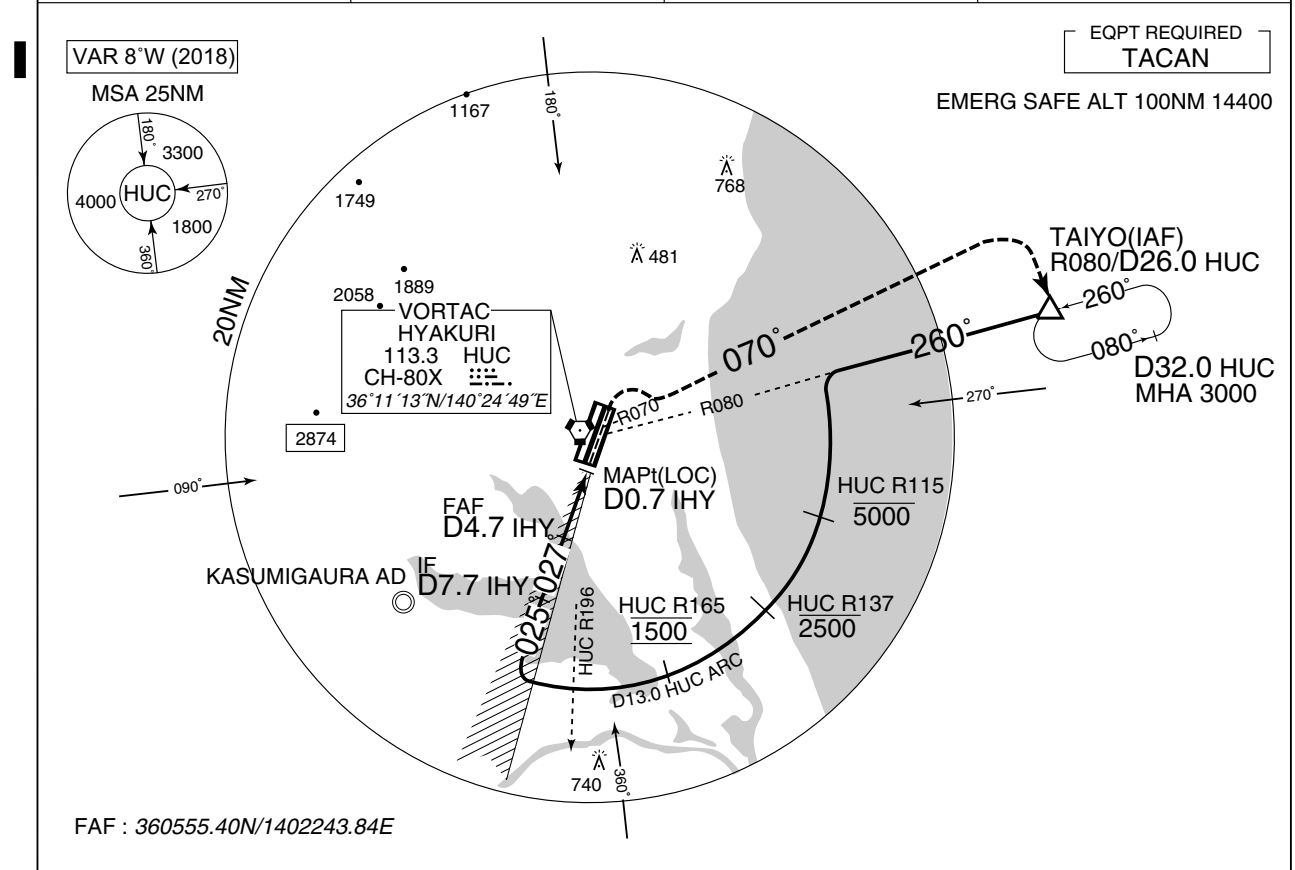
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 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 |

INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

ILS Z or LOC Z 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 |
|---|--|---|------------|

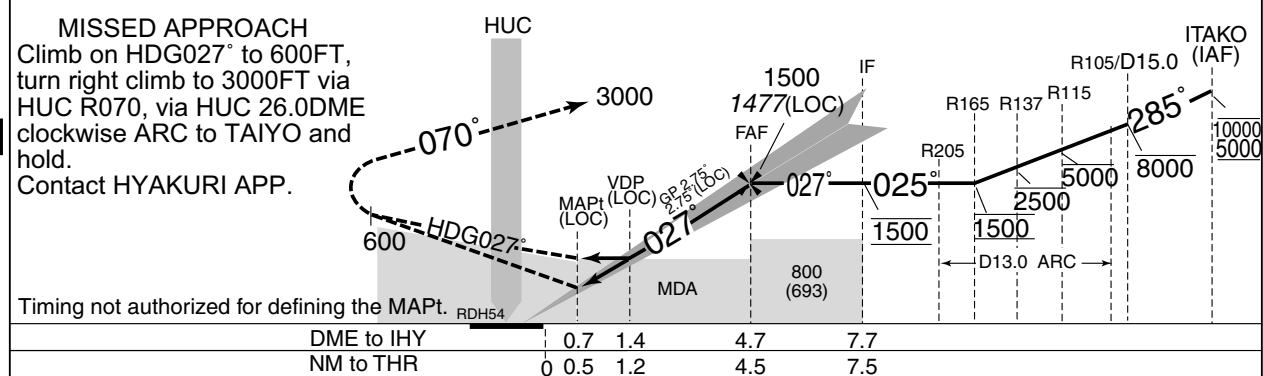


| MINIMA | | THR elev. 107 | | AD elev. 107 | |
|--------|-----------|---------------|-----------|--------------|----------------|
| CAT | CAT I | LOC | | CIRCLING | |
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) VIS |
| A | 307 (200) | 750 | 460 (353) | 900 | 580 (473) 1600 |
| B | | | | 1000 | |
| C | | | | 1400 | 2400 |
| D | | | | | 3200 |

INSTRUMENT APPROACH CHART

RJAHA / 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.



| | | | | |
|------------|-----|-----|-----|-----|
| DME to IHY | 0.7 | 1.4 | 4.7 | 7.7 |
| NM to THR | 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 |

INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

VOR RWY03R

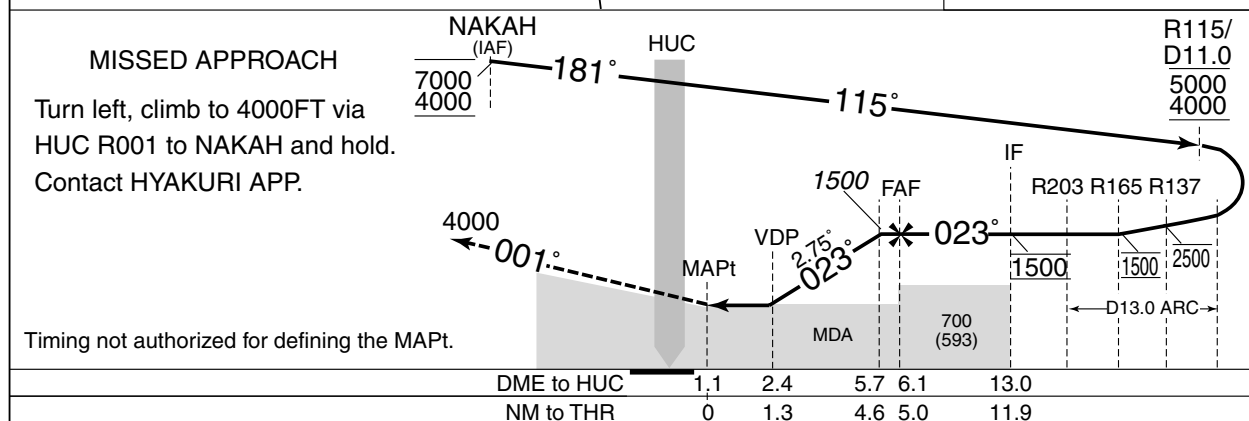
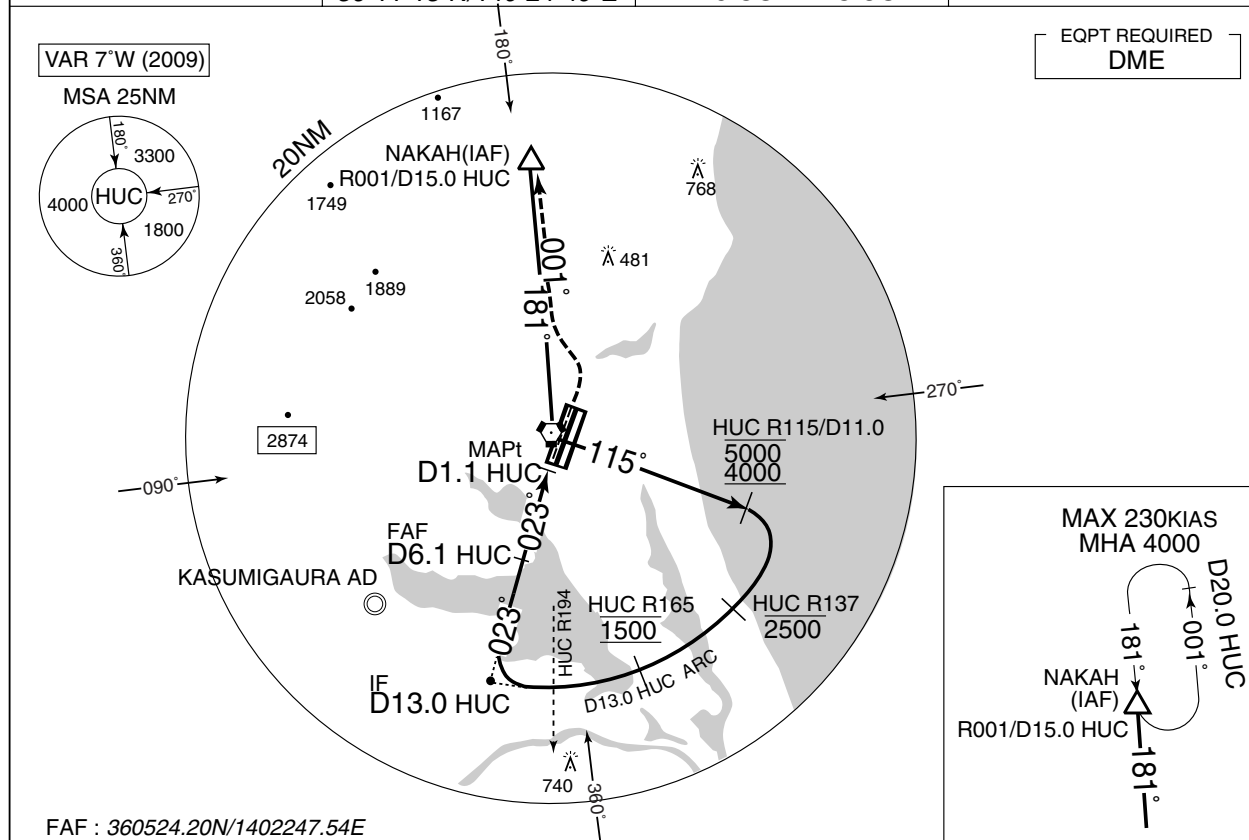


INSTRUMENT APPROACH CHART

RJAH / HYAKURI

VOR RWY03L

| | | | |
|---|---|---|------------|
| 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 |
|---|---|---|------------|

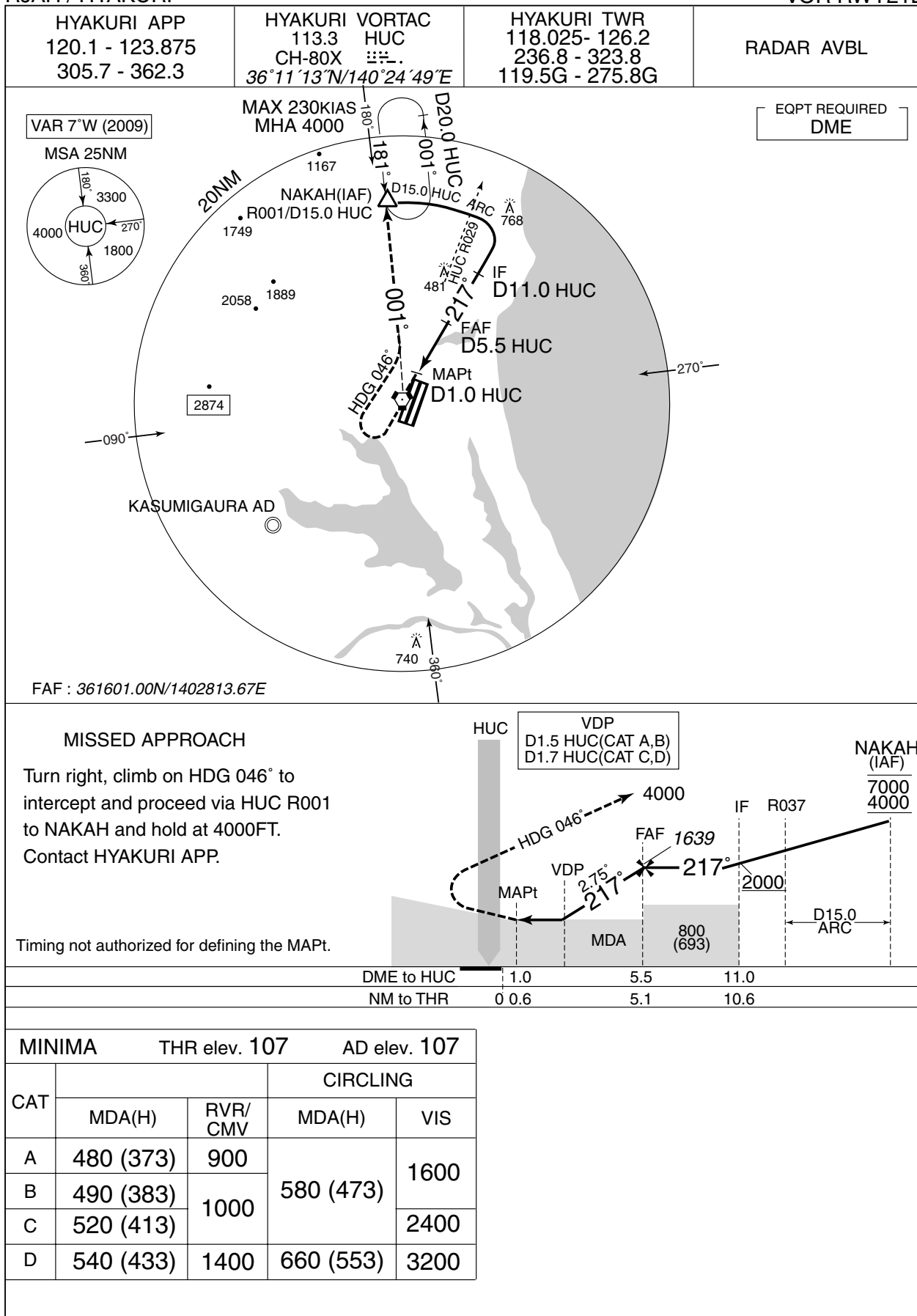


| | | | | |
|--------|-----------|---------------|-----------|--------------|
| | | | | |
| MINIMA | | THR elev. 107 | | AD elev. 107 |
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 520 (413) | 1200 | 580 (473) | 1600 |
| B | | 1300 | | |
| C | | 1400 | | |
| D | | 1600 | 660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

INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

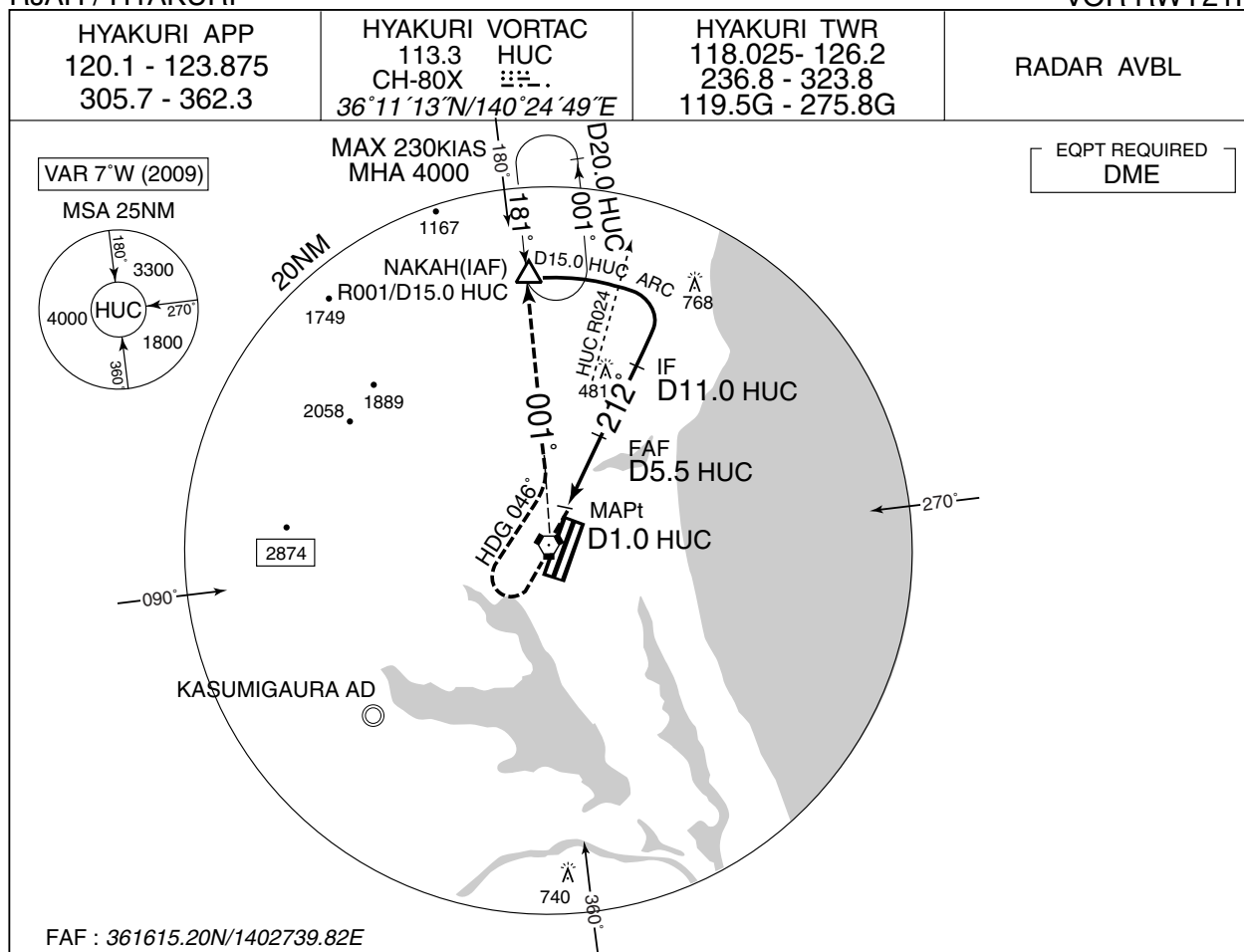
VOR RWY21L



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

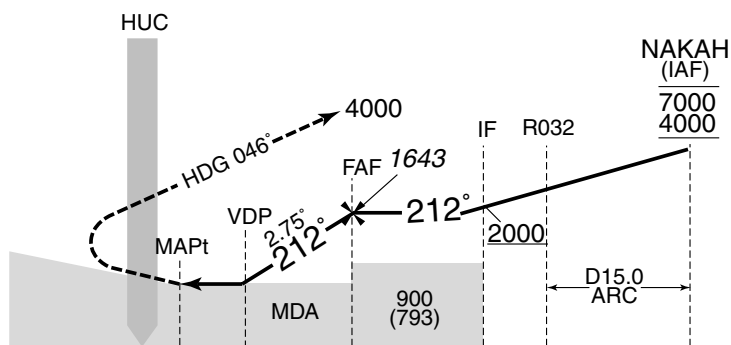
VOR RWY21R



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.



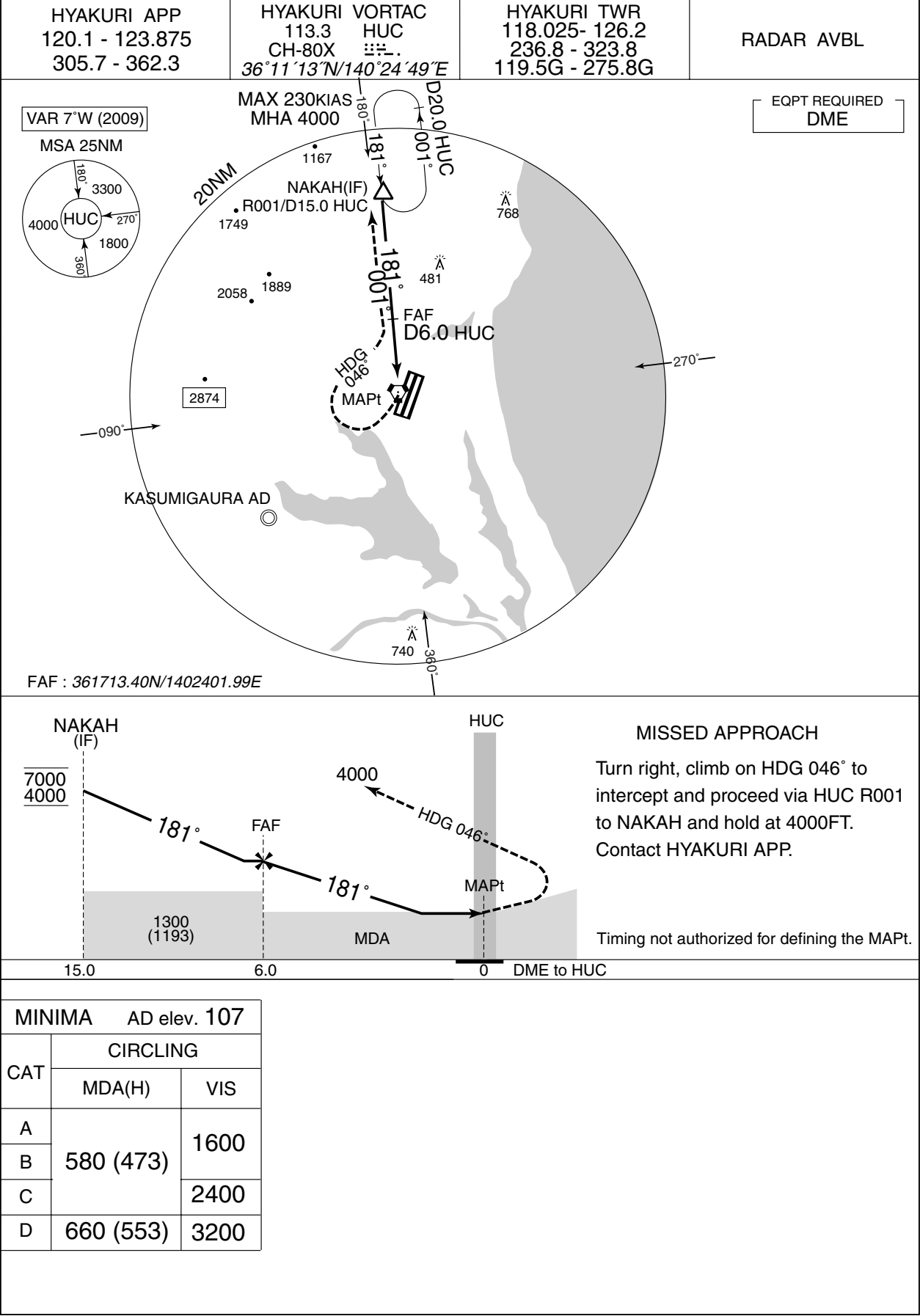
| | | | | |
|------------|-----|-----|-----|------|
| DME to HUC | 1.0 | 1.5 | 5.5 | 11.0 |
| NM to THR | 0.6 | 1.1 | 5.1 | 10.6 |

| MINIMA | | THR elev. 107 | AD elev. 107 | |
|--------|-----------|---------------|--------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 470 (363) | 1500 | 580 (473) | 1600 |
| B | | | | |
| C | | 1800 | | 2400 |
| D | | 2000 | 660 (553) | 3200 |

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 | 2400 |
| C | | | |
| D | | 1600 | 3200 |

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY03R



INSTRUMENT APPROACH CHART

RJAHH / HYAKURI

TACAN Z RWY03L

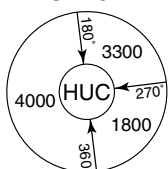
HYAKURI APP
120.1 - 123.875
305.7 - 362.3HYAKURI VORTAC
113.3 HUC
CH-80X
36°11'13"N/140°24'49"EHYAKURI TWR
118.025- 126.2
236.8 - 323.8
119.5G - 275.8G

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 | VIS |
| A | 500 (393) | 900 | 580 (473) |
| B | | 1000 | 1600 |
| C | | | 2400 |
| D | | | 3200 |

INSTRUMENT APPROACH CHART

RJAHA / 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



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN A



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

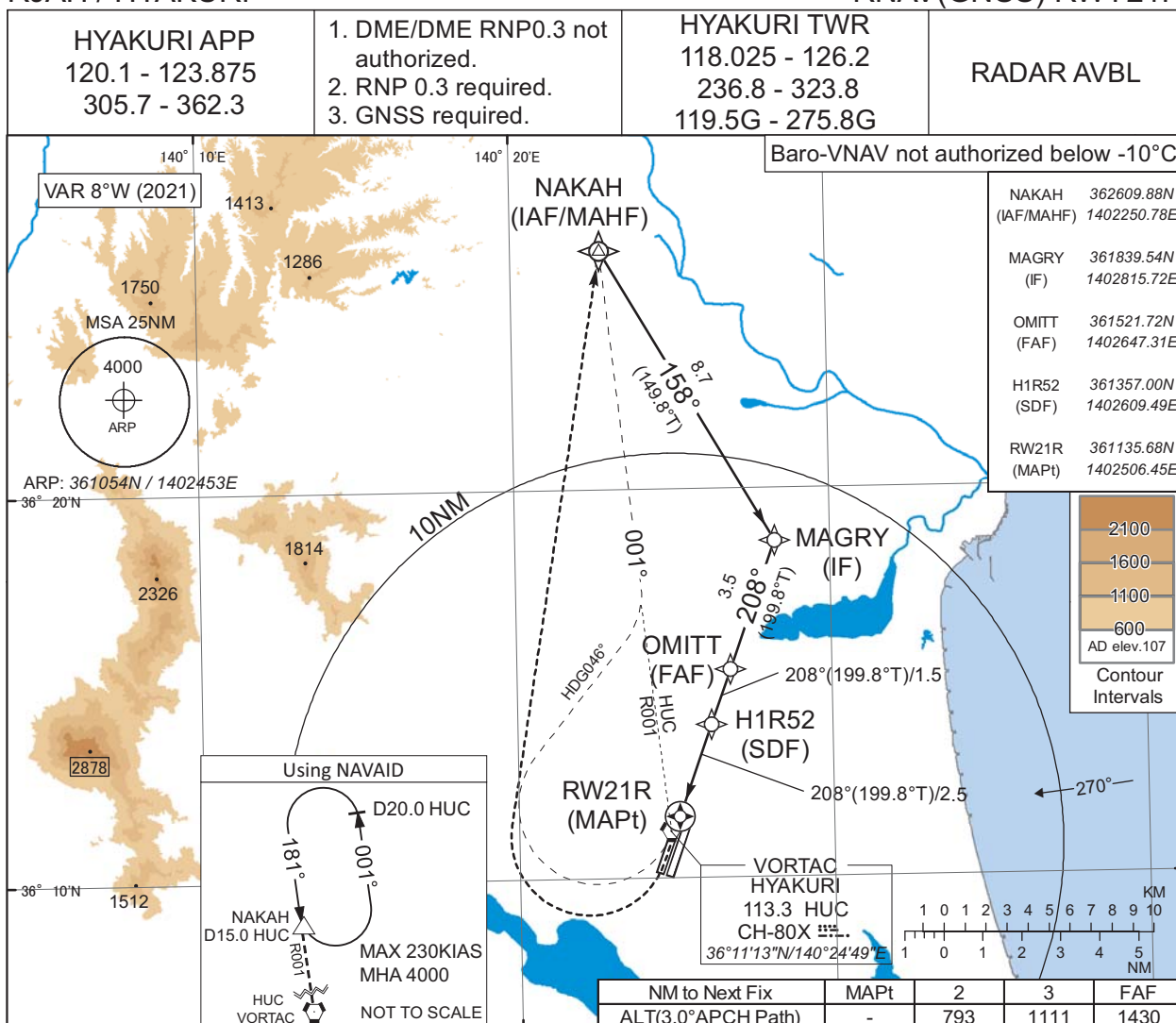
RNAV(GNSS) RWY03L



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

RNAV(GNSS) RWY21R

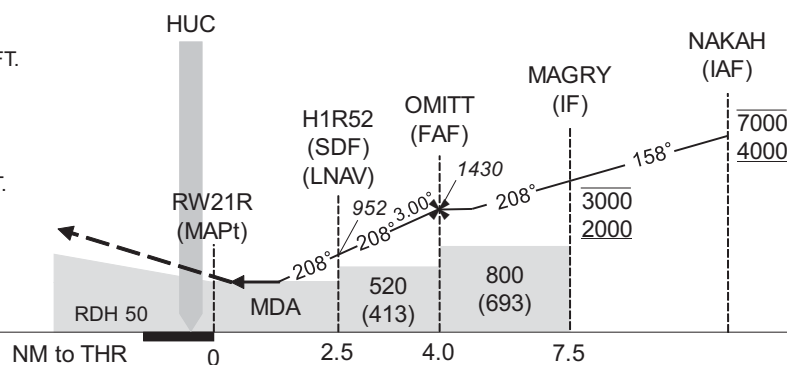


MISSED APPROACH

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.



CHANGE : New PROC.

| 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