

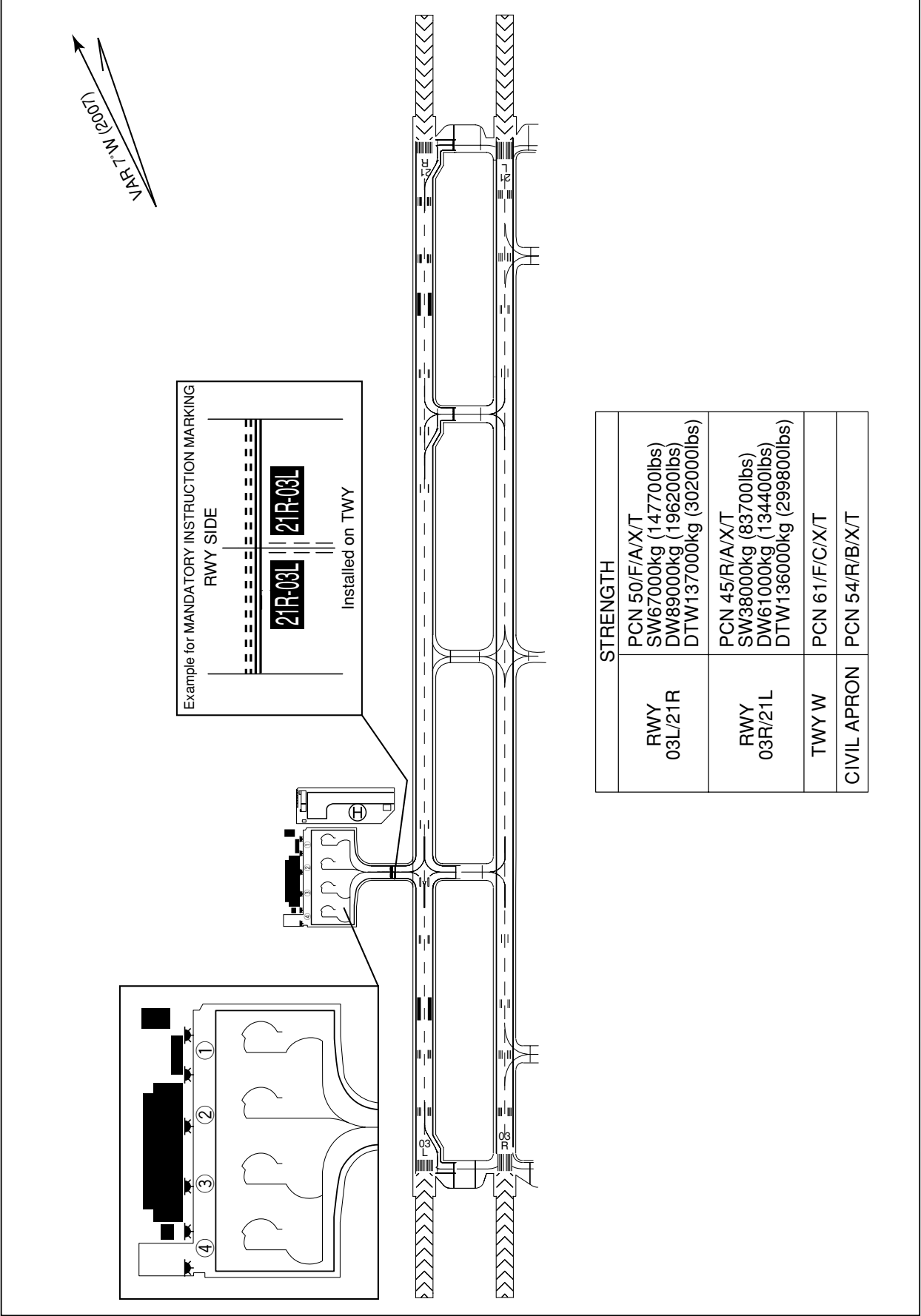
RJAH / HYAKURI

AD CHART



RJAH / HYAKURI

AD CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJAH / HYAKURI

SID and TRANSITION

OGITU ONE 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.

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.



## 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 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.



## RJAH / HYAKURI

ILS Z or LOC Z RWY03R

VAR 8°W (2018)

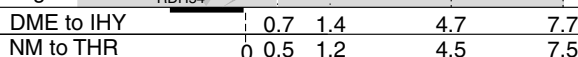
MSA 25NM

EQPT REQUIRED  
TACAN

EMERG SAFE ALT 100NM 14400



Timing not authorized for defining the MAPt.



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

## 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/<br>CMV   | MDA(H)    | RVR/<br>CMV  | MDA(H)    | VIS  |
| A      | 307 (200) | 750           | 460 (353) | 900          | 580 (473) | 1600 |
| B      |           |               |           | 1000         |           |      |
| C      |           |               |           |              | 660 (553) | 2400 |
| D      |           |               |           |              |           | 1400 |

## RJAH / HYAKURI

ILS X or LOC X RWY03R

**26/4/18**

## 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  | 0.5 | 1.2 | 4.5 | 7.5 |

| MINIMA |           | THR elev. 107 |           | AD elev. 107 |                |
|--------|-----------|---------------|-----------|--------------|----------------|
| CAT    | CAT I     | LOC           |           | CIRCLING     |                |
|        | DA(H)     | RVR/CMV       | MDA(H)    | 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

VOR RWY03R



## INSTRUMENT APPROACH CHART

RJA/ / HYAKURI

VOR RWY03L



INSTRUMENT APPROACH CHART

RJA H / HYAKURI

VOR RWY21L





## INSTRUMENT APPROACH CHART

RJA-H / HYAKURI

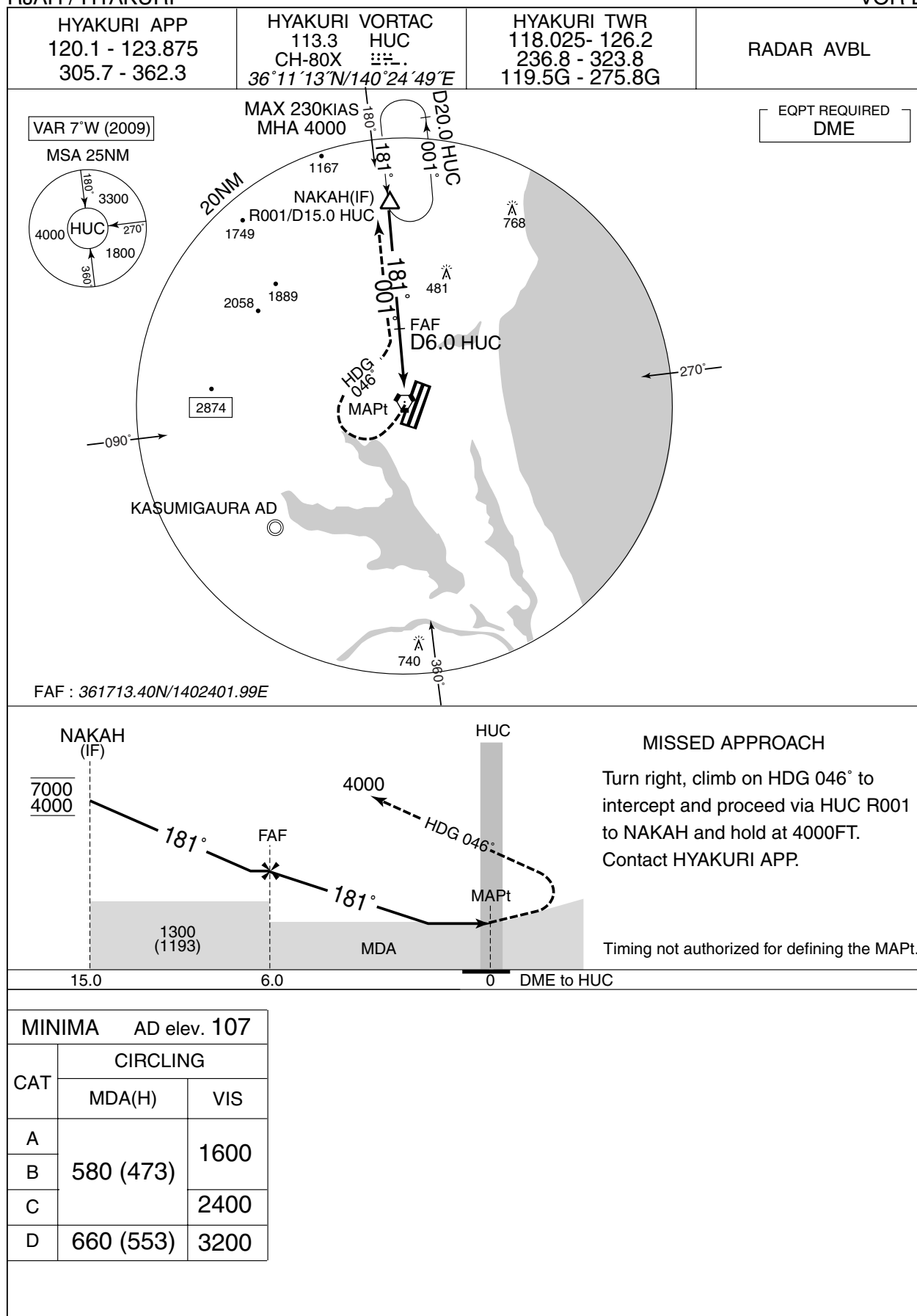
VOR RWY21R



## INSTRUMENT APPROACH CHART

RJAHA / HYAKURI

VOR B



INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY03R

|   |   |   |            |
|---|---|---|------------|
| HYAKURI APP<br>120.1 - 123.875<br>305.7 - 362.3 | HYAKURI VORTAC<br>113.3 HUC<br>CH-80X<br>36°11'13"N/140°24'49"E | HYAKURI TWR<br>118.025- 126.2<br>236.8 - 323.8<br>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          | 2400           |
| C      |           |               |                |
| D      |           | 1600          | 3200           |

## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY03R



## INSTRUMENT APPROACH CHART

RJAH / 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

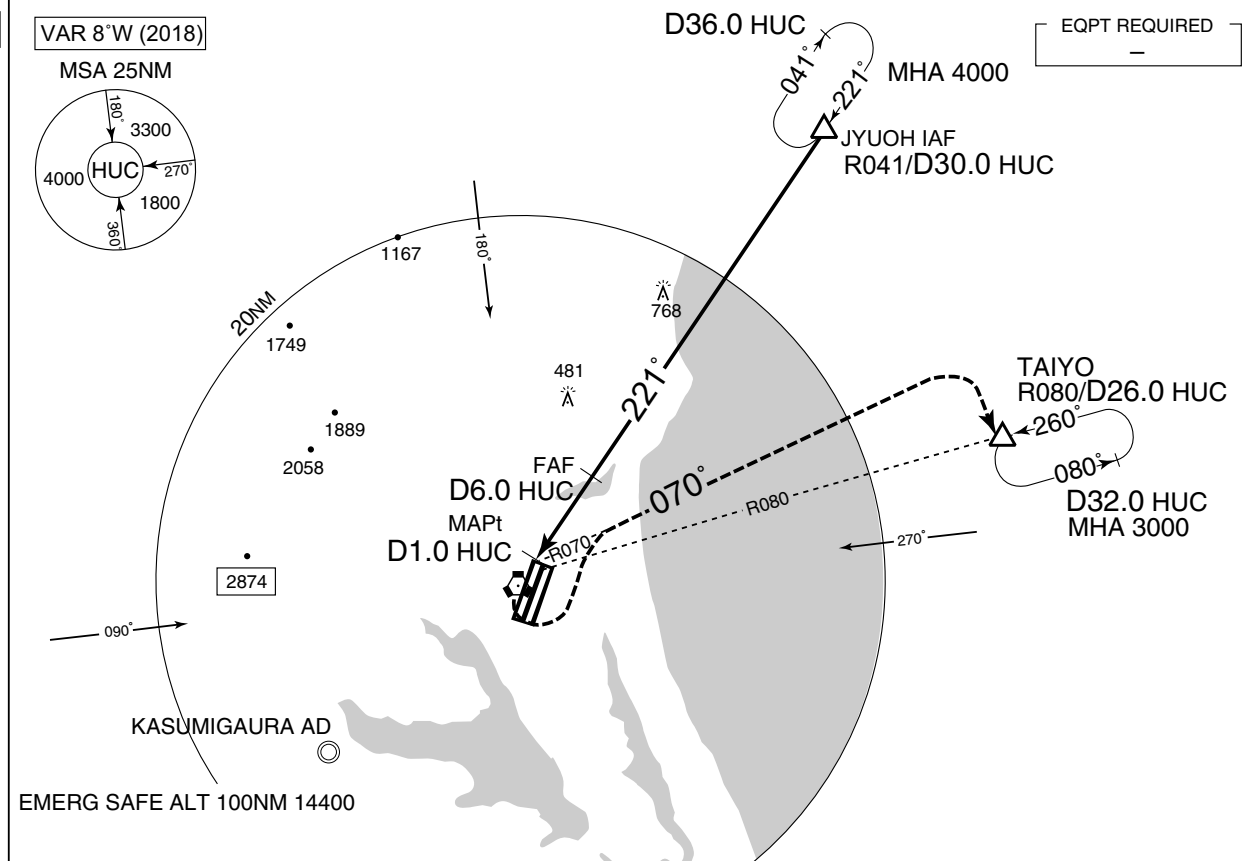


## INSTRUMENT APPROACH CHART

RJA-H / HYAKURI

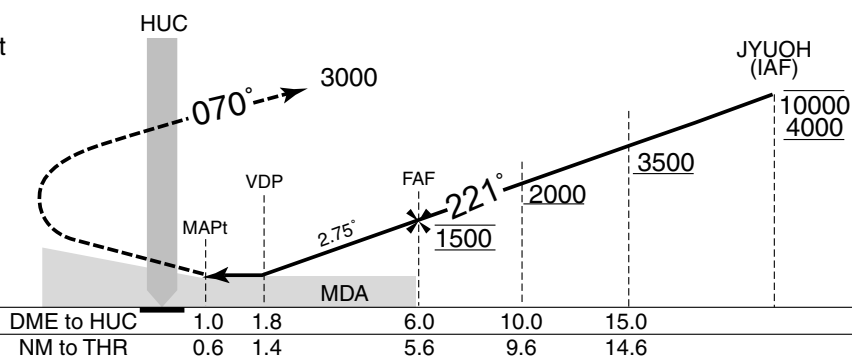
TACAN Z RWY21L

|   |  |   |            |
|---|--|---|------------|
| HYAKURI APP<br>120.1 - 123.875<br>305.7 - 362.3 | HYAKURI VORTAC<br>113.3 HUC 3300<br>CH-80X<br>36°11'13"N/140°24'49"E | HYAKURI TWR<br>118.025- 126.2<br>236.8 - 323.8<br>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.



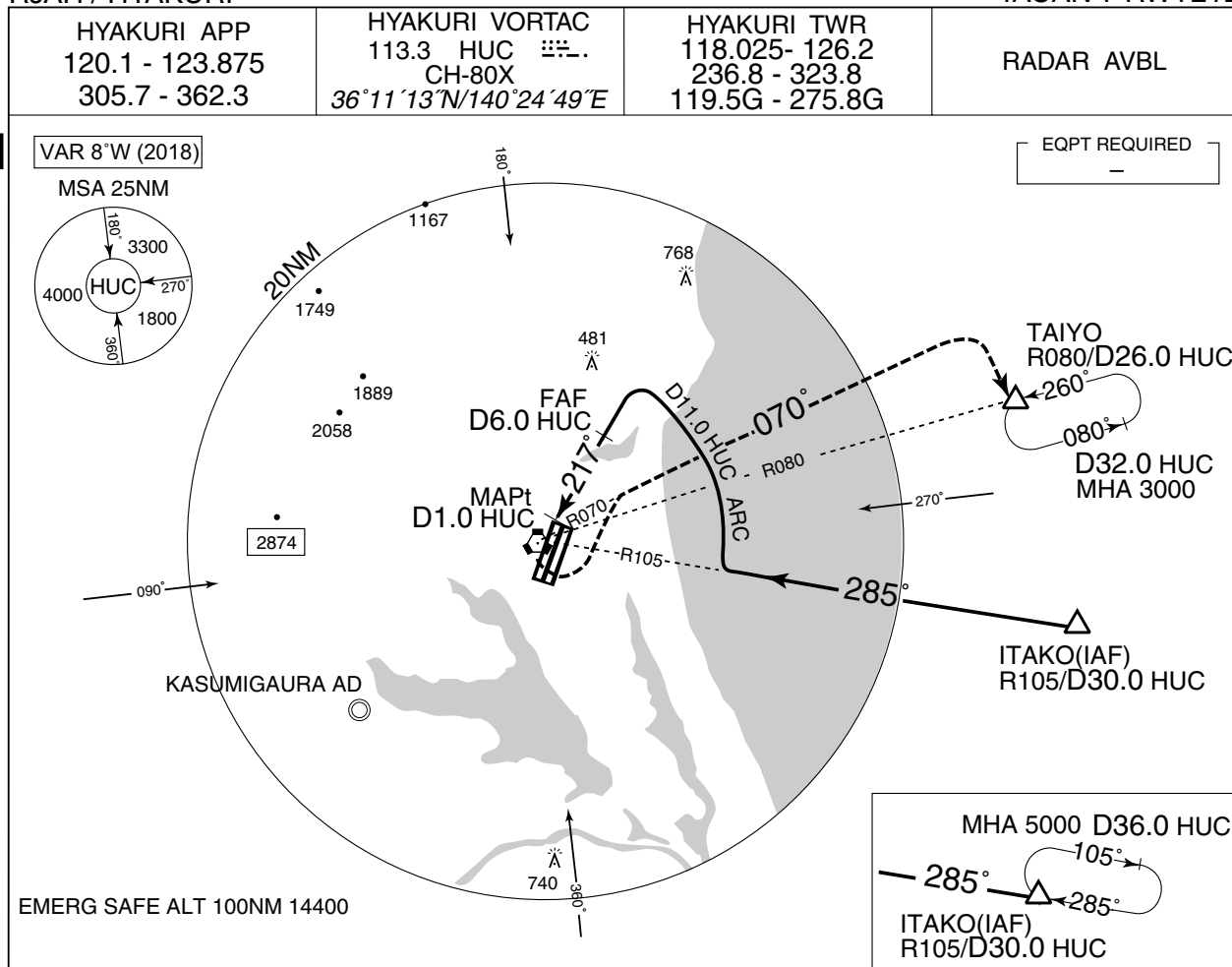
MINIMA THR elev. 107 AD elev. 107

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

## INSTRUMENT APPROACH CHART

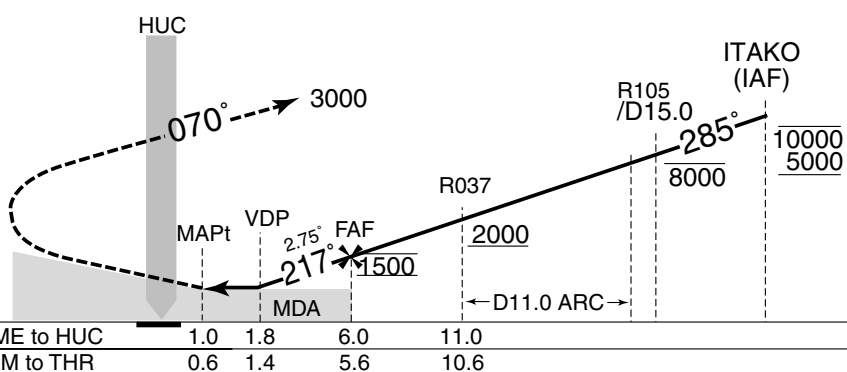
RJAH / HYAKURI

TACAN Y RWY21L



## 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/<br>CMV | MDA(H)    | VIS       |
| A   | 500 (393) | 900         | 580 (473) | 1600      |
| B   |           | 1000        |           | 660 (553) |
| C   |           |             | 1400      |           |
| D   |           |             |           |           |



## INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Z RWY21R

|   |  |   |            |
|---|--|---|------------|
| HYAKURI APP<br>120.1 - 123.875<br>305.7 - 362.3 | HYAKURI VORTAC<br>113.3 HUC 36°11'13"N/140°24'49"E<br>CH-80X | HYAKURI TWR<br>118.025- 126.2<br>236.8 - 323.8<br>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

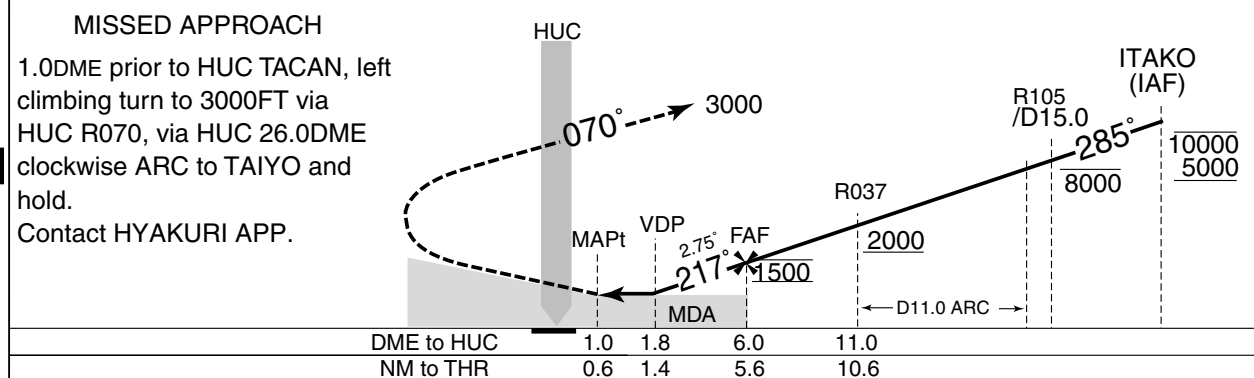
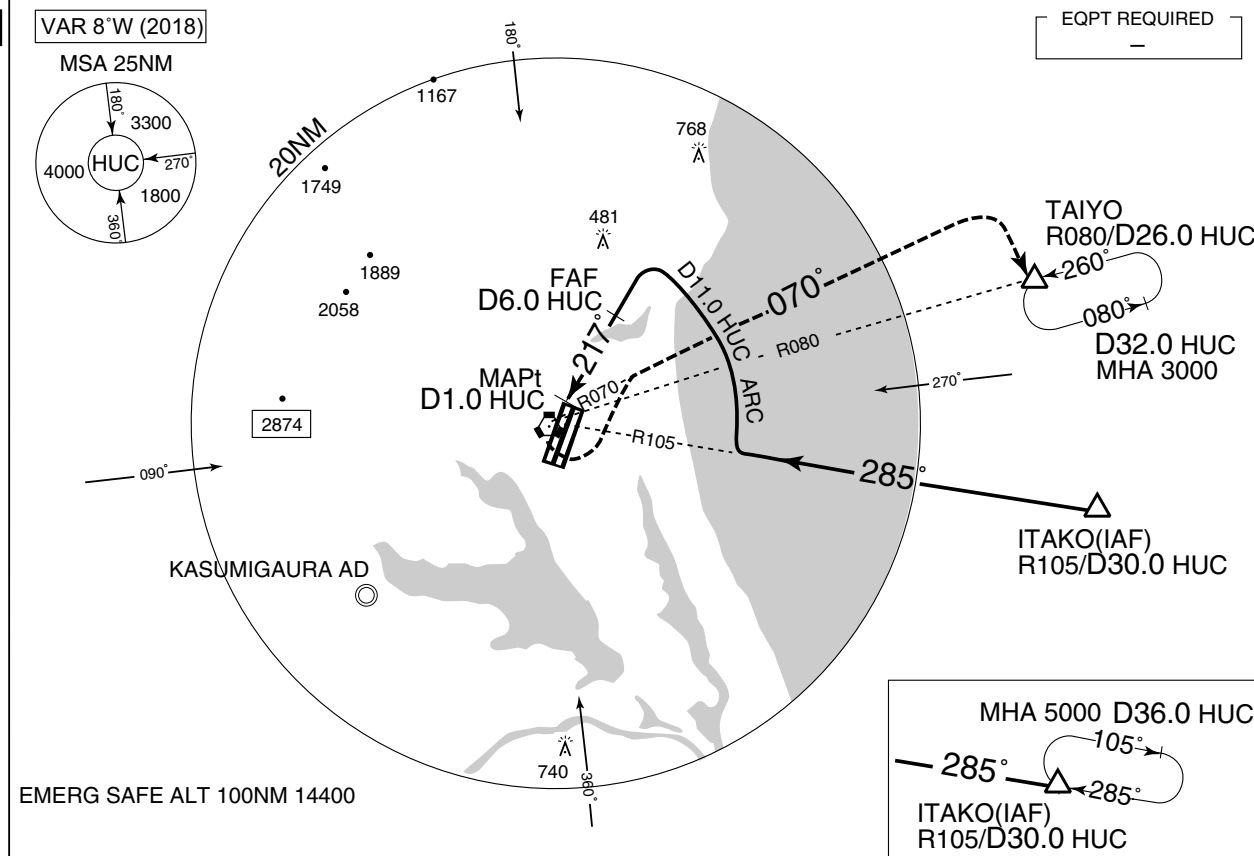
| CAT | CIRCLING  |         |           |      |
|-----|-----------|---------|-----------|------|
|     | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A   | 500 (393) | 1500    | 580 (473) | 1600 |
| B   |           | 1800    | 660 (553) | 2400 |
| C   |           | 2000    |           | 3200 |
| D   |           |         |           |      |

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN Y RWY21R

|   |  |   |            |
|---|--|---|------------|
| HYAKURI APP<br>120.1 - 123.875<br>305.7 - 362.3 | HYAKURI VORTAC<br>113.3 HUC 3300<br>CH-80X<br>36°11'13"N/140°24'49"E | HYAKURI TWR<br>118.025- 126.2<br>236.8 - 323.8<br>119.5G - 275.8G | RADAR AVBL |
|---|--|---|------------|



| 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 |

INSTRUMENT APPROACH CHART

RJAH / HYAKURI

TACAN A

HYAKURI APP  
120.1 - 123.875  
305.7 - 362.3

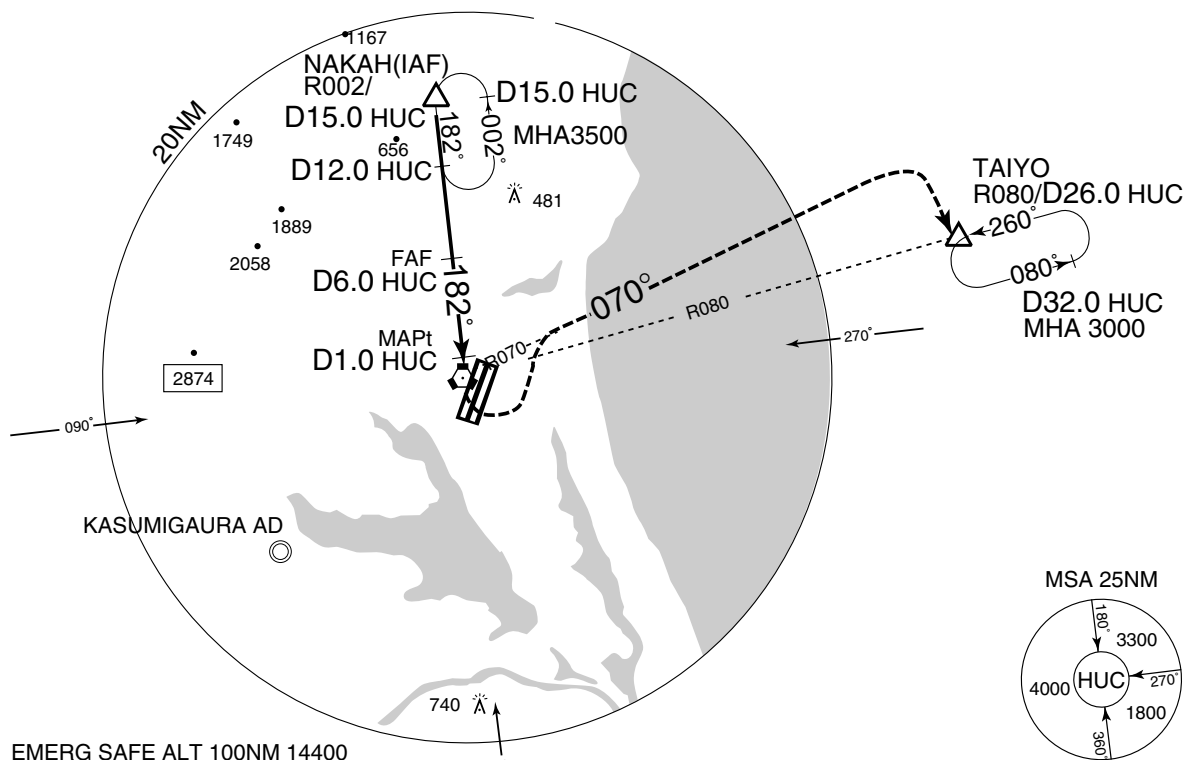
HYAKURI VORTAC  
113.3 HUC 113.3  
CH-80X  
36°11'13"N/140°24'49"E

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

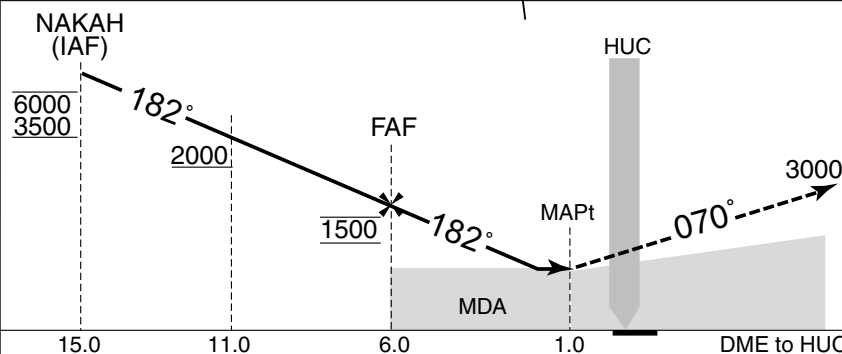
RADAR AVBL

VAR 8°W (2018)

EQPT REQUIRED  
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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.

MINIMA

AD elev. 107

| CAT | CIRCLING  |      |
|-----|-----------|------|
|     | MDA(H)    | VIS  |
| A   | 580 (473) | 1600 |
| B   |           |      |
| C   | 660 (553) | 2400 |
| D   |           | 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