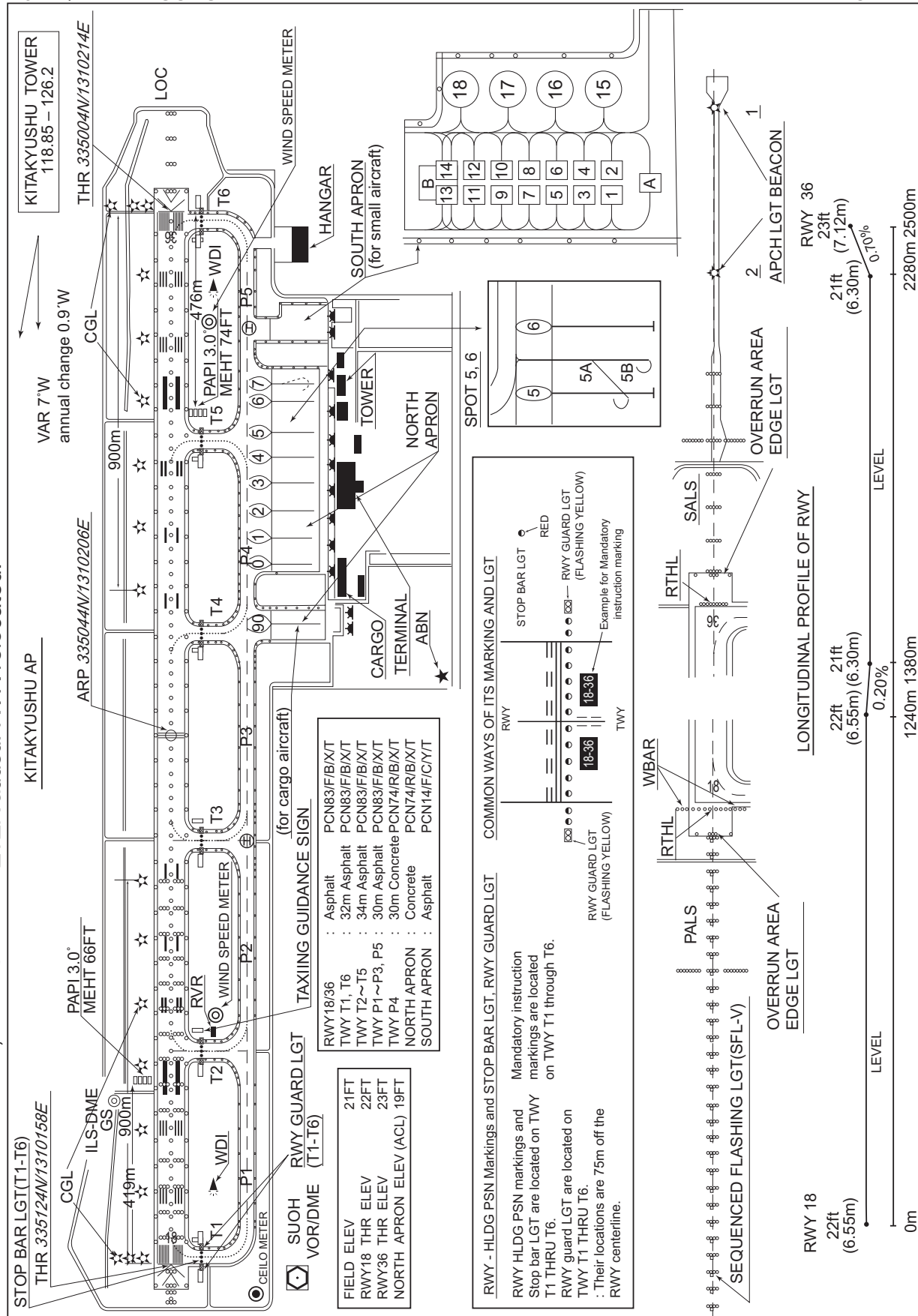


RJFR / KITAKYUSHU

AD CHART

CHANGE : CEILO METER, WIND SPEED METER added. RVR relocated.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU

SID

ASARI THREE DEPARTURE

RWY 18 : Climb RWY HDG to 500FT, turn left HDG039°,...

RWY 36 : Climb RWY HDG to 500FT, turn right HDG129°, ...

...to intercept and proceed via SWE R084 to ASARI.

Cross SWE 8.0DME at or above 3000FT.

Note RWY18 : 5.8% climb gradient required up to 500FT due to airspace restrictions only.

RWY36 : 4.0% climb gradient required up to 500FT due to airspace restrictions only.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU

TRANSITION

MATSUYAMA TRANSITION

From over ASARI, via SWE R084 to intercept and proceed via UBE R133 to HIMEH,  
via UBE R133 to intercept and proceed via MYE R257 to MYE VOR/DME.



CHANGE : Radial FM SWE.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU

TRANSITION

MUSASHI TRANSITION

From over ASARI, via SWE R084 to intercept and proceed via UBE R133 to HIMEH, via TFE R346 to TFE VOR/DME.



CHANGE : Radial FM SWE.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU

SID

ONGHA TWO DEPARTURE

RWY 18 : Climb RWY HDG to 500FT, turn left,...

RWY 36 : Climb RWY HDG to 500FT, turn right,...

...direct to SWE VOR/DME, proceed via SWE R259 to ONGHA.

Cross SWE VOR/DME at or above 3000FT.

Note RWY18 : 5.8% climb gradient required up to 500FT due to airspace restrictions only.

RWY36 : 4.0% climb gradient required up to 500FT due to airspace restrictions only.



CHANGE : PROC renamed. Radial FM SWE.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

RNAV SID and TRANSITION

| KOHEI ONE DEPARTURE<br>DOUGO TRANSITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       | RNAV1                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Note 1) DME/DME/IRU or GNSS required.</p> <p>※ The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.</p> <p>2) RADAR service required.</p>                                                                                                                                                                                                                                                                                                                                | Critical DME          | <p>RWY18 :<br/>SWE : 2.0NM from DER - 12.0NM to KOHEI<br/>UBE : 16.0NM to KOHEI - KOHEI</p> <p>RWY36 :<br/>UBE : 12.0NM to KOHEI - KOHEI</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DME GAP               | <p>RWY18 : DER - 2.0NM from DER<br/>RWY36 : DER - 12.0NM to KOHEI</p>                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1                                                                                            |
| <p>VAR 8°W (2017)</p> <p><b>KOHEI ONE DEPARTURE</b></p> <p><b>DOUGO TRANSITION</b></p> <p><b>KOHEI ONE DEPARTURE</b></p> <p>RWY18 : Climb on HDG178° at or above 500FT, turn left direct to KOHEI.</p> <p>RWY36 : Climb on HDG358° at or above 500FT, turn right direct to KOHEI.</p> <p>Note RWY18: 5.8% climb gradient required up to 500FT due to airspace restrictions only.</p> <p>RWY36: 4.0% climb gradient required up to 500FT due to airspace restrictions only.</p> <p><b>DOUGO TRANSITION</b></p> <p>From KOHEI, to HIMEH, to GONBE, to MYE.</p> |                       |                                                                                                                                              |

## STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

RNAV SID and TRANSITION

KOHEI ONE DEPARTURE

## RWY18

| 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              | —                   | —        | 178<br>(170.4) | -7.5               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | KOHEI               | —        | —              | -7.5               | —             | L              | —             | —            | —              | RNAV1                    |

## RWY36

| 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              | —                   | —        | 358<br>(350.4) | -7.5               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | KOHEI               | —        | —              | -7.5               | —             | R              | —             | —            | —              | RNAV1                    |

DOUGO TRANSITION

| 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              | KOHEI               | —        | —              | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | HIMEH               | —        | 133<br>(125.8) | -7.5               | 11.5          | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | GONBE               | —        | 110<br>(102.2) | -7.5               | 29.8          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MYE                 | —        | 072<br>(064.1) | -7.5               | 27.5          | —              | —             | —            | —              | RNAV1                    |

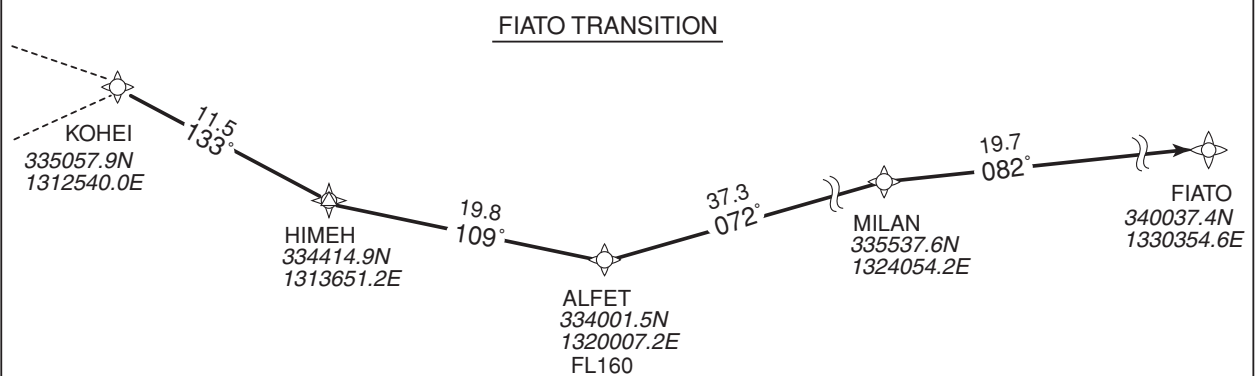
## STANDARD DEPARTURE CHART-INSTRUMENT

## RJFR / KITAKYUSHU

## RNAV TRANSITION

| FIATO TRANSITION                                                      |                       |                                                   | RNAV1 |
|-----------------------------------------------------------------------|-----------------------|---------------------------------------------------|-------|
| Note 1 ) DME/DME/IRU or GNSS required.<br>2 ) RADAR service required. | Critical DME          | -                                                 |       |
|                                                                       | DME GAP               | -                                                 |       |
|                                                                       | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |       |

VAR 8°W (2017)

FIATO TRANSITION

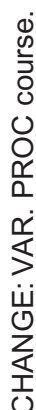
From KOHEI, to HIMEH, to ALFET at or above FL160, to MILAN, to FIATO.

| 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              | KOHEI               | -        | -              | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | HIMEH               | -        | 133<br>(125.8) | -7.5               | 11.5          | -              | -             | -            | -              | RNAV1                    |
| 003           | TF              | ALFET               | -        | 109<br>(102.2) | -7.5               | 19.8          | -              | +FL160        | -            | -              | RNAV1                    |
| 004           | TF              | MILAN               | -        | 072<br>(065.1) | -7.5               | 37.3          | -              | -             | -            | -              | RNAV1                    |
| 005           | TF              | FIATO               | -        | 082<br>(075.2) | -7.5               | 19.7          | -              | -             | -            | -              | RNAV1                    |

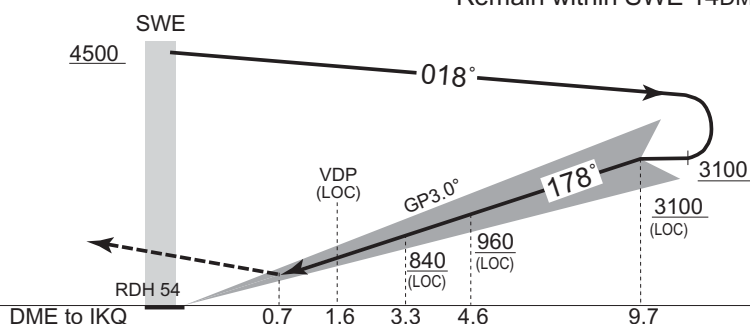


## RJFR / KITAKYUSHU

ILS Z or LOC Z RWY 18



Remain within SWE 14DME



| MINIMA |           | THR elev. 22 |           | AD elev. 21 |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A      | 222 (200) | 550          | 500 (479) | 1000        | 500 (479) | 1600 |
| B      |           |              |           | 1200        |           |      |
| C      |           |              |           |             |           |      |
| D      |           |              |           | 1600        | 580 (559) | 3200 |

Circling to East side of RWY only.

## RJFR / KITAKYUSHU

|                                      |                                                                                 |                                           |                                                                                                                 |                                                       |
|--------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>TSUIKI APP</b><br>119.225 – 315.9 | <b>ILS - LOC</b><br>109.15 IKQ<br><b>ILS-GP</b> 331.25<br><b>ILS-DME</b> CH-28Y | <b>KITAKYUSHU TOWER</b><br>118.85 - 126.2 | 1315 – 2245(UTC)<br><b>KITAKYUSHU RADIO</b><br>118.85<br><small>AFIS provided by Fukuoka Airport Office</small> | <b>RADAR AVBL</b><br><b>CALL</b><br><b>TSUIKI APP</b> |
|--------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|

VAR 8°W (2021)

EQPT REQUIRED  
 DME  
 VOR

ASHIYA AD

OZUKI AD

TSUIKI AD

YAMAGUCHI-UBE AP

MHA 4500

MHA 4000

ASARI

D0.7 IKQ

SWE R084

D9.5 SWE

D15.5 SWE

VOR/DME SUOH 113.85 SWE CH-85Y 33°51'24"N/131°01'46"E

MSA 25NM

SWE

2986

2334

2427

420

197

404

181

638

077

656

919

525

197

257

178

180

022°

084°

264°

270°

090°

360°

10NM

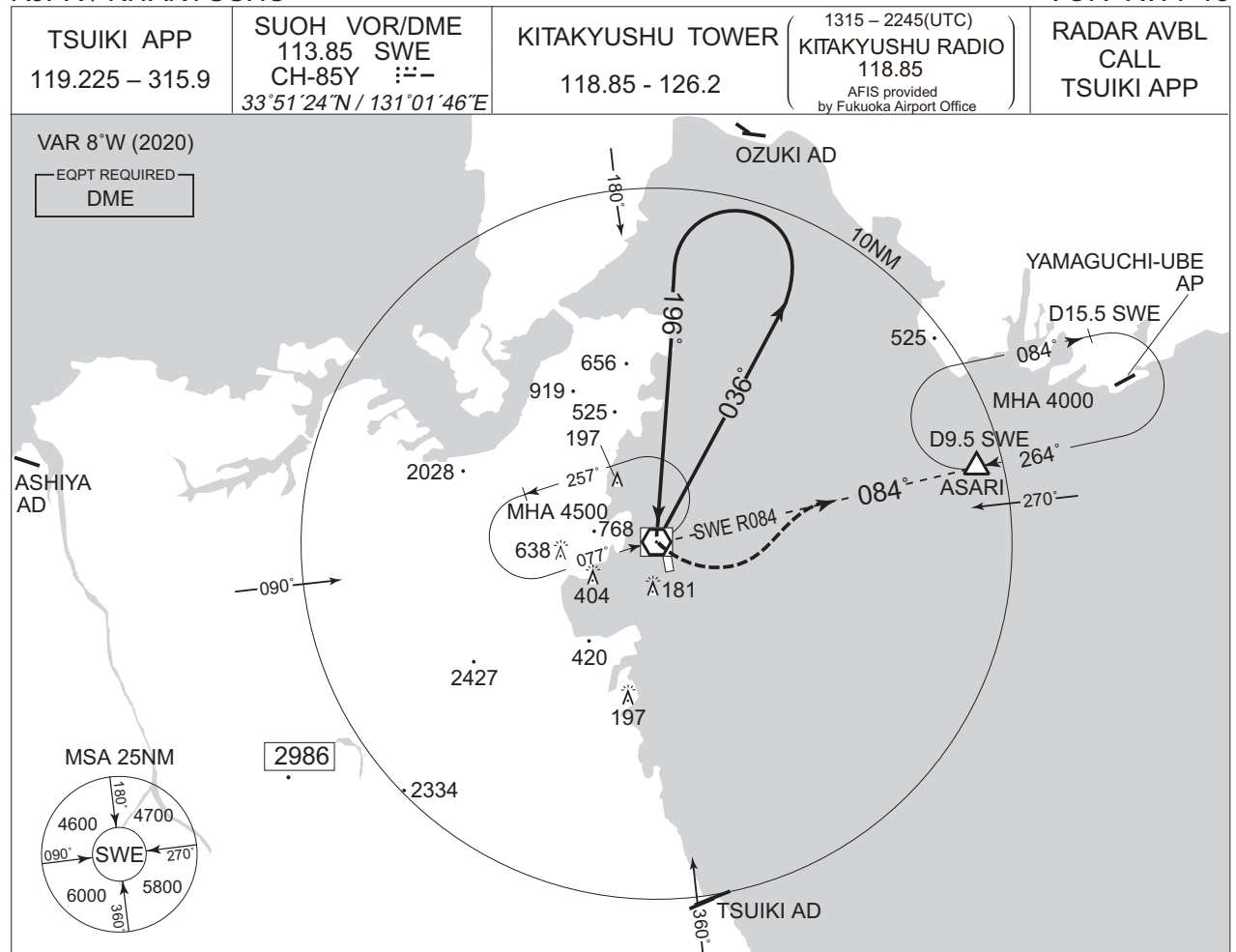
| MINIMA |        | THR elev. 22 | AD elev. 21 |      |
|--------|--------|--------------|-------------|------|
| CAT    |        |              | CIRCLING    |      |
|        | MDA(H) | RVR/<br>CMV  | MDA(H)      | VIS  |
|        | A      | 1000         | 500 (479)   | 1600 |
|        | B      | 1200         |             | 2400 |
|        | C      |              |             | 3200 |
| D      | 1600   | 580 (559)    | 3200        |      |

CHANGE: VAR. PROC course.

INSTRUMENT APPROACH CHART

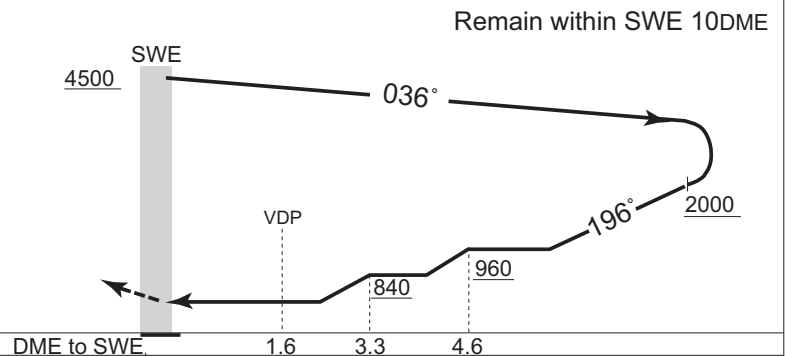
RJFR / KITAKYUSHU

VOR RWY 18



CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

**MISSED APPROACH**  
At SWE VOR/DME, turn left and climb to 4000FT via SWE R084 to ASARI and hold. Contact TSUIKI APP.



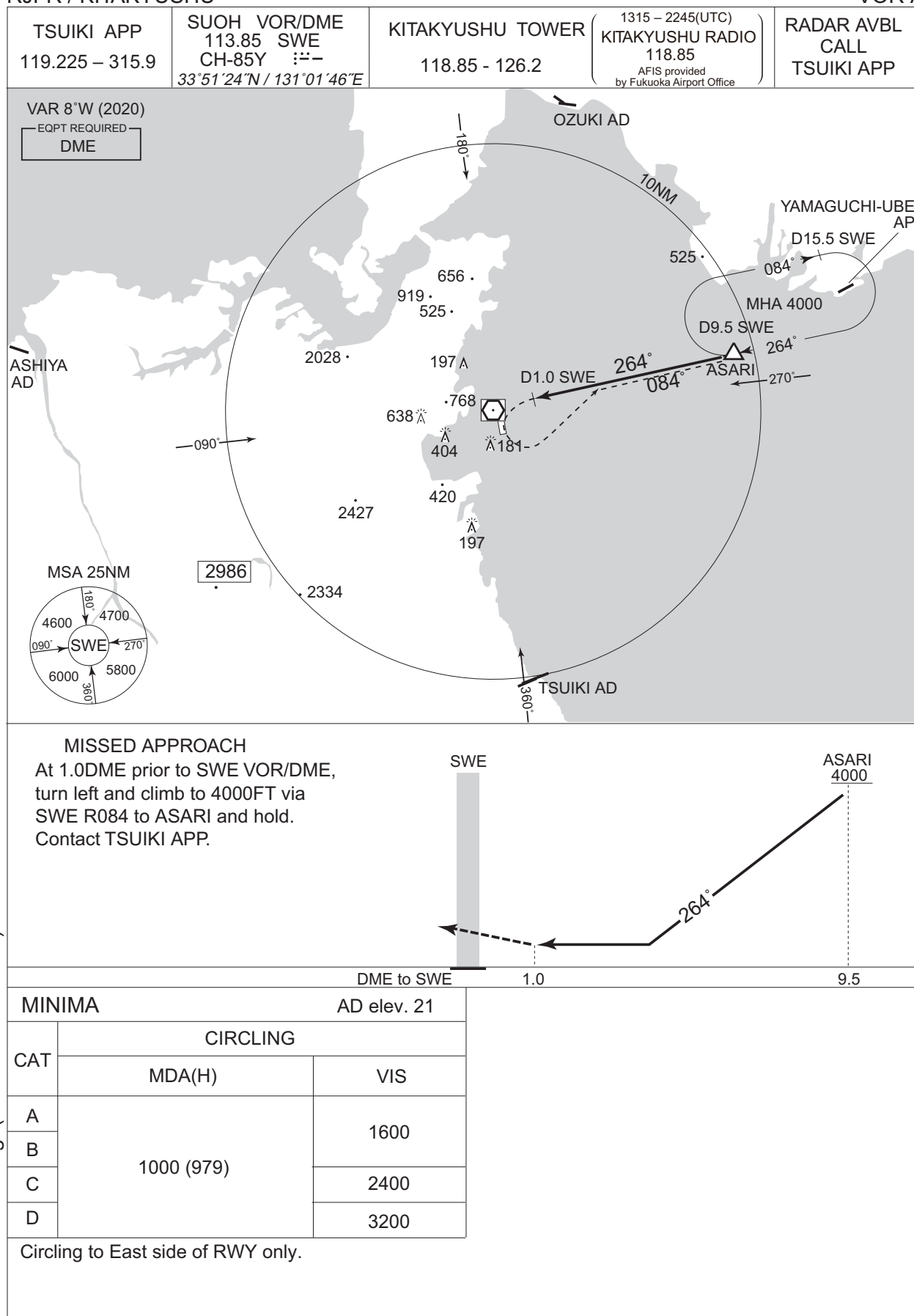
| MINIMA |           | THR elev. 22 | AD elev. 21 |      |
|--------|-----------|--------------|-------------|------|
| CAT    |           |              | CIRCLING    |      |
|        | MDA(H)    | RVR/CMV      | MDA(H)      | VIS  |
| A      | 500 (479) | 1000         | 500 (479)   | 1600 |
| B      |           | 1200         |             | 2400 |
| C      |           | 1600         |             | 3200 |
| D      |           |              |             |      |

Circling to East side of RWY only.

## INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

VOR A

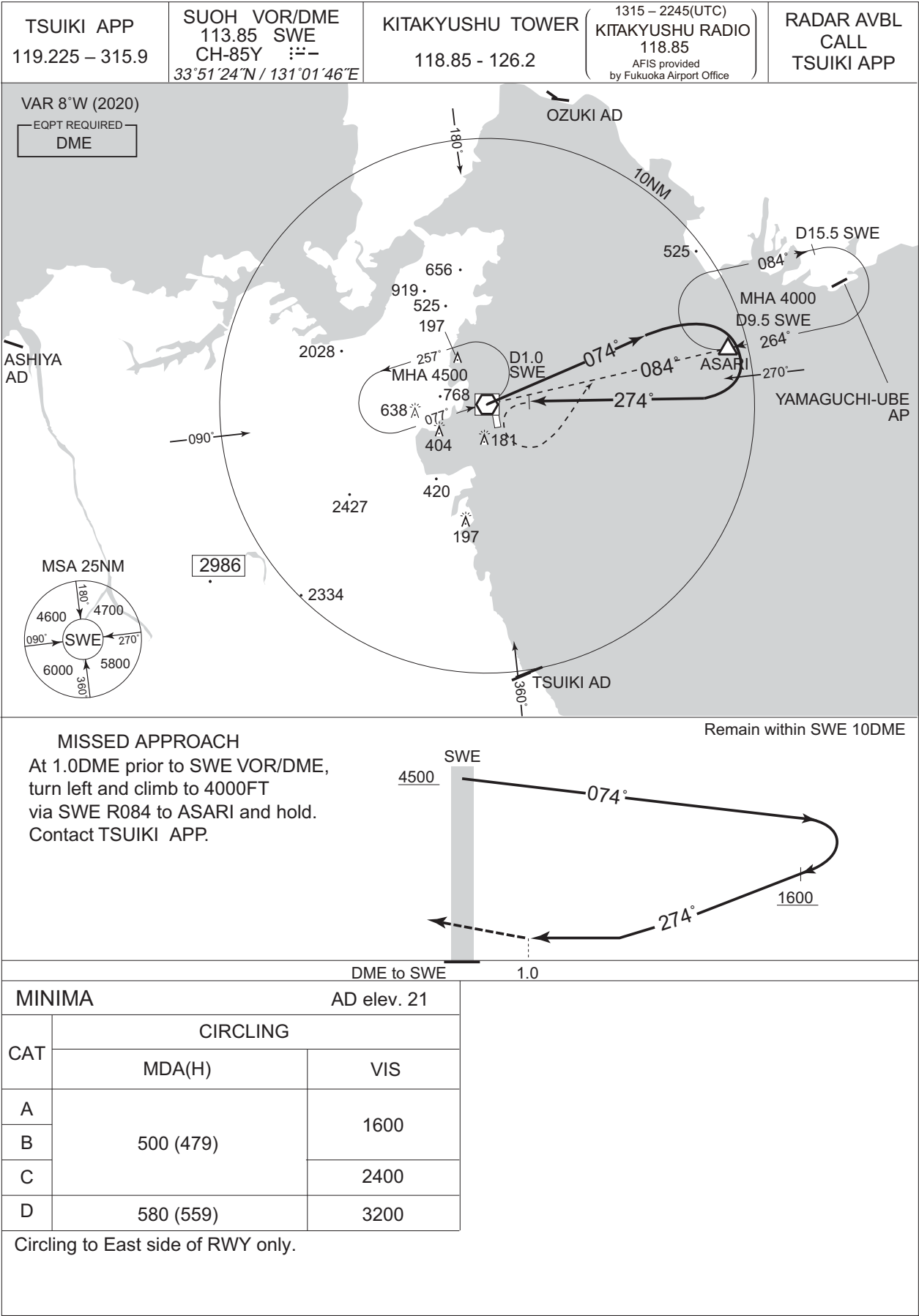


CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

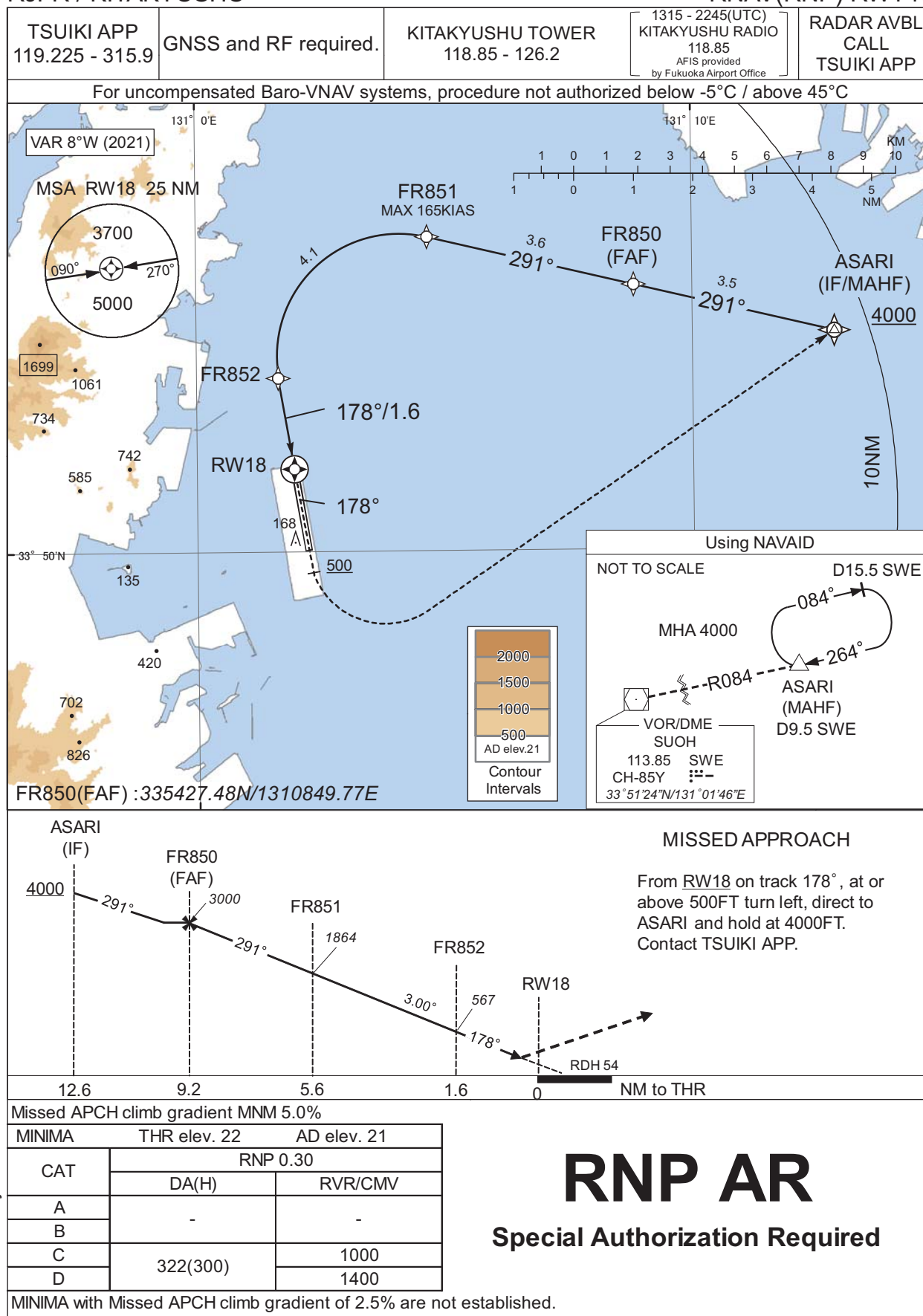
VOR B



## INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNAV(RNP) RWY18



CHANGE : Symbol of VOR/DME deleted.

## INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNAV(RNP) RWY18

RNAV(RNP) RWY18Coding Table

| Serial Number | Path Descriptor           | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|---------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|-----------------|-----------|
| 001           | IF                        | ASARI               | -        | -             | -7.9               | -             | -              | +4000         | -            | -               | -         |
| 002           | TF                        | FR850               | -        | 291 (283.6)   | -7.9               | 3.5           | -              | 3000          | -            | -               | 1.0       |
| 003           | TF                        | FR851               | -        | 291 (283.5)   | -7.9               | 3.6           | -              | 1864          | -165         | -3.00           | 0.3       |
| 004           | RF Center: FRRF1 r=2.06NM | FR852               | -        | -             | -7.9               | 4.1           | L              | 567           | -            | -3.00           | 0.3       |
| 005           | TF                        | RW18                | Y        | 178 (170.4)   | -7.9               | 1.6           | -              | 76            | -            | -3.00/54        | 0.3       |
| 006           | FA                        | -                   | -        | 178 (170.4)   | -7.9               | -             | -              | +500          | -            | -               | 1.0       |
| 007           | DF                        | ASARI               | -        | -             | -7.9               | -             | L              | 4000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| ASARI               | 335338.98N / 1311252.32E | FRRF1                    | 335316.61N / 1310405.62E |
| FR850               | 335427.48N / 1310849.77E |                          |                          |
| FR851               | 335517.24N / 1310440.15E |                          |                          |
| FR852               | 335255.76N / 1310139.03E |                          |                          |
| RW18                | 335123.92N / 1310157.83E |                          |                          |

CHANGE : VAR. Course FM FR852 to RW18. MISSED APPROACH course.

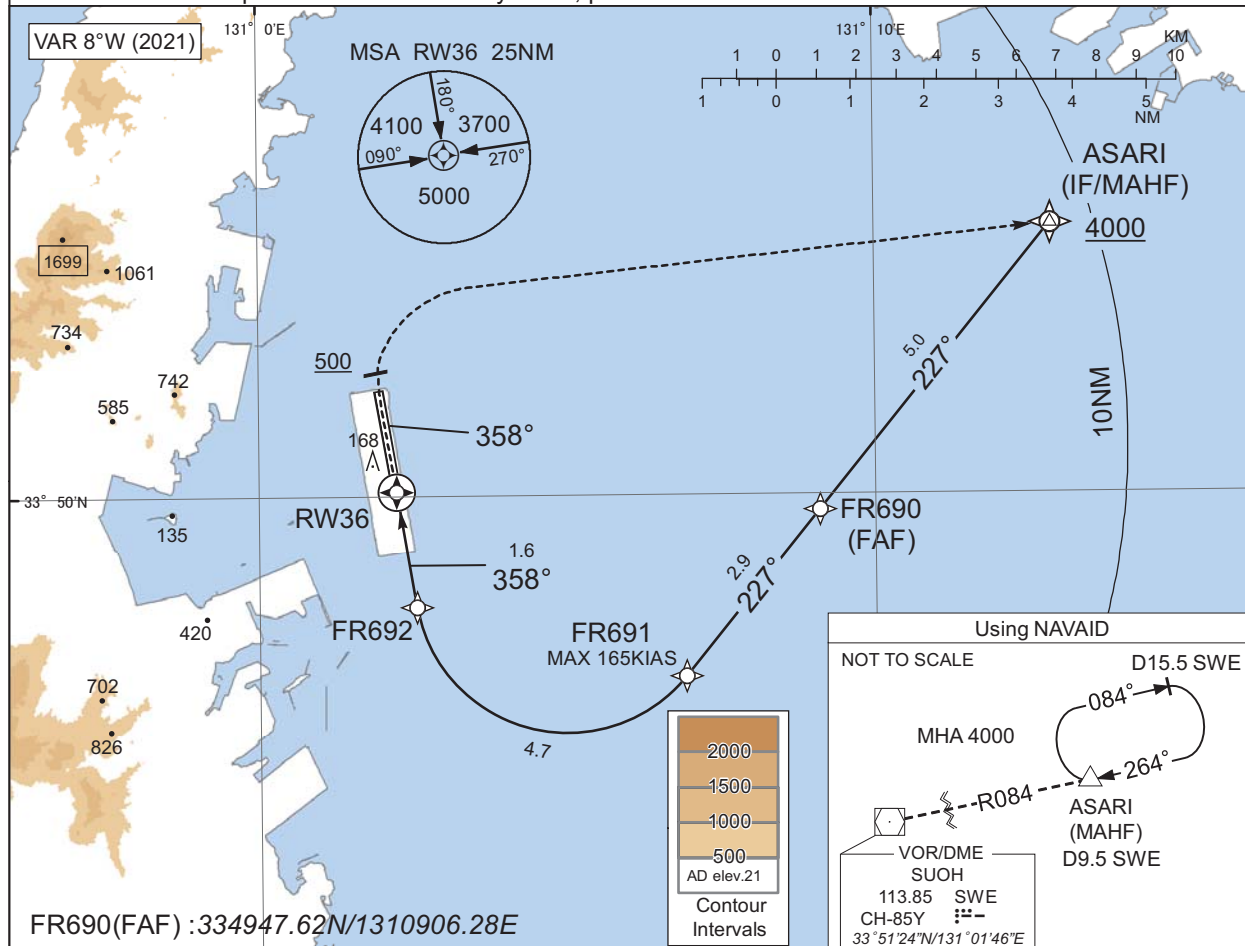
## INSTRUMENT APPROACH CHART

## RJFR / KITAKYUSHU

## RNAV(RNP) RWY36

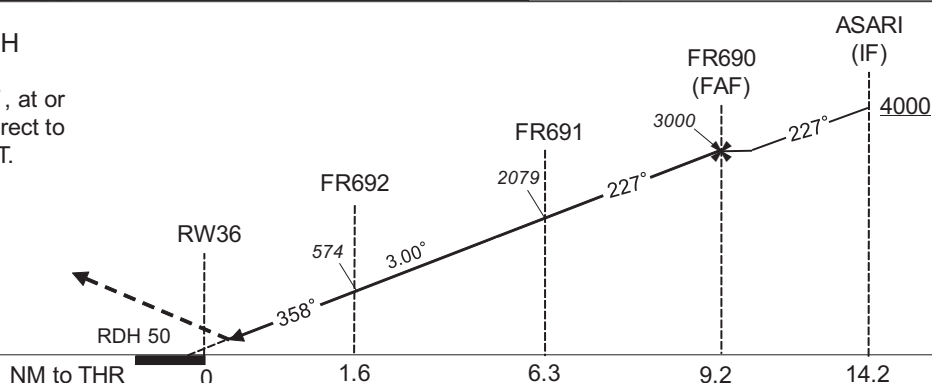
|                               |                       |                                    |                                                                                              |                                  |
|-------------------------------|-----------------------|------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|
| TSUIKI APP<br>119.225 - 315.9 | GNSS and RF required. | KITAKYUSHU TOWER<br>118.85 - 126.2 | 1315 - 2245(UTC)<br>KITAKYUSHU RADIO<br>118.85<br>AFIS provided<br>by Fukuoka Airport Office | RADAR AVBL<br>CALL<br>TSUIKI APP |
|-------------------------------|-----------------------|------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



## MISSED APPROACH

From RW36 on track 358°, at or above 500FT turn right, direct to ASARI and hold at 4000FT.  
Contact TSUIKI APP.



Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 23 | AD elev. 21 |
|--------|--------------|-------------|
| CAT    | RNP 0.30     |             |
|        | DA(H)        | CMV         |
| A      | -            | -           |
| B      | -            | -           |
| C      | 329(306)     | 1400        |
| D      |              | 1600        |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

**RNP AR****Special Authorization Required**

CHANGE : Symbol of VOR/DME deleted.



## INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNAV(RNP) RWY36

RNAV(RNP) RWY36Coding Table

| Serial Number | Path Descriptor                    | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/ RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|-----------------|-----------|
| 001           | IF                                 | ASARI               | -        | -              | -7.9               | -             | -              | +4000         | -            | -               | -         |
| 002           | TF                                 | FR690               | -        | 227<br>(219.1) | -7.9               | 5.0           | -              | 3000          | -            | -               | 1.0       |
| 003           | TF                                 | FR691               | -        | 227<br>(219.0) | -7.9               | 2.9           | -              | 2079          | -165         | -3.00           | 0.3       |
| 004           | RF<br>Center:<br>FRRF2<br>r=2.06NM | FR692               | -        | -              | -7.9               | 4.7           | R              | 574           | -            | -3.00           | 0.3       |
| 005           | TF                                 | RW36                | Y        | 358<br>(350.4) | -7.9               | 1.6           | -              | 73            | -            | -3.00/50        | 0.3       |
| 006           | FA                                 | -                   | -        | 358<br>(350.4) | -7.9               | -             | -              | +500          | -            | -               | 1.0       |
| 007           | DF                                 | ASARI               | -        | -              | -7.9               | -             | R              | 4000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| ASARI               | 335338.98N / 1311252.32E | FRRF2                    | 334851.32N / 1310459.78E |
| FR690               | 334947.62N / 1310906.28E |                          |                          |
| FR691               | 334733.05N / 1310655.02E |                          |                          |
| FR692               | 334830.46N / 1310233.32E |                          |                          |
| RW36                | 335004.08N / 1310214.17E |                          |                          |

CHANGE : VAR. PROC course. MISSED APPROACH course.



RJFR / KITAKYUSHU

Visual REP

| Call sign                  | BRG / DIST from ARP | Remarks                                   |
|----------------------------|---------------------|-------------------------------------------|
| 部 崎<br>Hesaki              | 355°/6.8NM          | 灯台<br>Lighthouse                          |
| 6NM NE                     | 045°/6.0NM          | 海上<br>Over the sea                        |
| 6NM E                      | 090°/6.0NM          | 海上<br>Over the sea                        |
| 6NM SE                     | 135°/6.0NM          | 海上<br>Over the sea                        |
| 苅 田<br>Kanda               | 202°/5.5NM          | 日産自動車工場<br>Automobile manufacturing plant |
| 石 原 町<br>Ishiharamachi     | 247°/9.2NM          | JR石原町駅<br>Station                         |
| 間 島<br>Majima              | 252°/3.1NM          | 島<br>Island                               |
| 東インター<br>Higashi Inter     | 263°/6.2NM          | 小倉東I.C.(九州自動車道)<br>Interchange            |
| 小倉ステーション<br>Kokura Station | 288°/8.0NM          | JR小倉駅<br>Station                          |

CHANGE: Reporting point added (6NM NE, 6NM E, 6NM SE)

RJFR / KITAKYUSHU

LDG CHART



RJFR / KITAKYUSHU

Minimum Vectoring Altitude CHART

