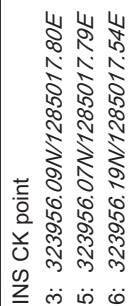
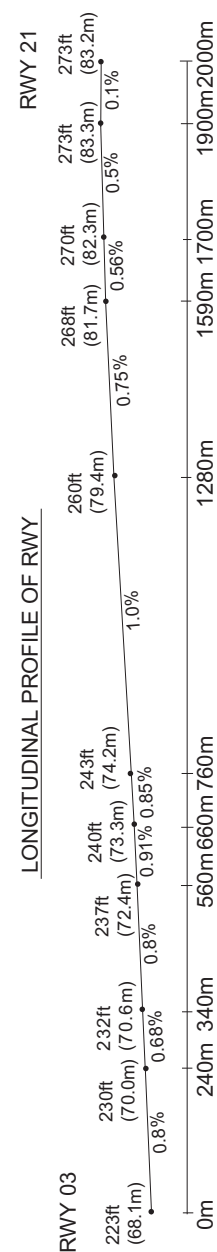
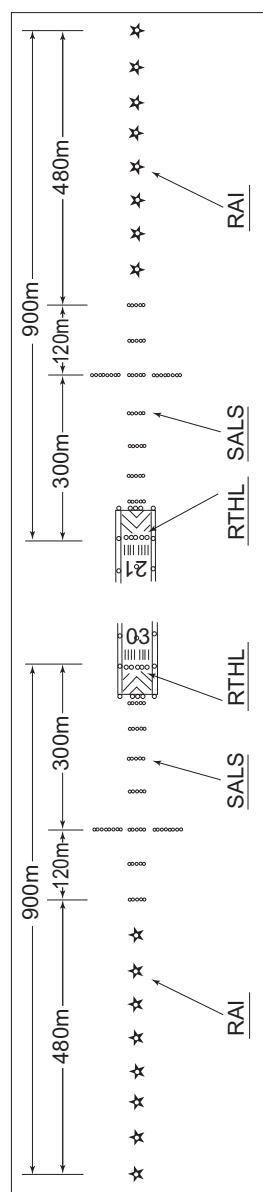


## RJFE / FUKUE

FUKUE AP  
ELEV. 251ft

VAR 7°W(2009)  
Annual change 2.8'W

|                         |                |
|-------------------------|----------------|
| PCN 45/F/C/X/T          | PCN 13/F/C/Y/T |
| WIDTH & STRENGTH OF TWY |                |
| T1 23m                  |                |
| T2 18m                  |                |
| STRENGTH OF APRON       |                |
| SOUTH PCN 38/F/B/X/T    |                |
| NORTH PCN 14/F/C/Y/T    |                |



## AD CHART

**INTENTIONALLY LEFT BLANK**

STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

SID

NAGASAKI FOUR DEPARTURE

RWY 03 : Climb RWY HDG to 1300FT, turn right HDG127° ...  
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG037° ...  
...to intercept and proceed via FUE R082/OLE R263 to OLE VOR/DME.

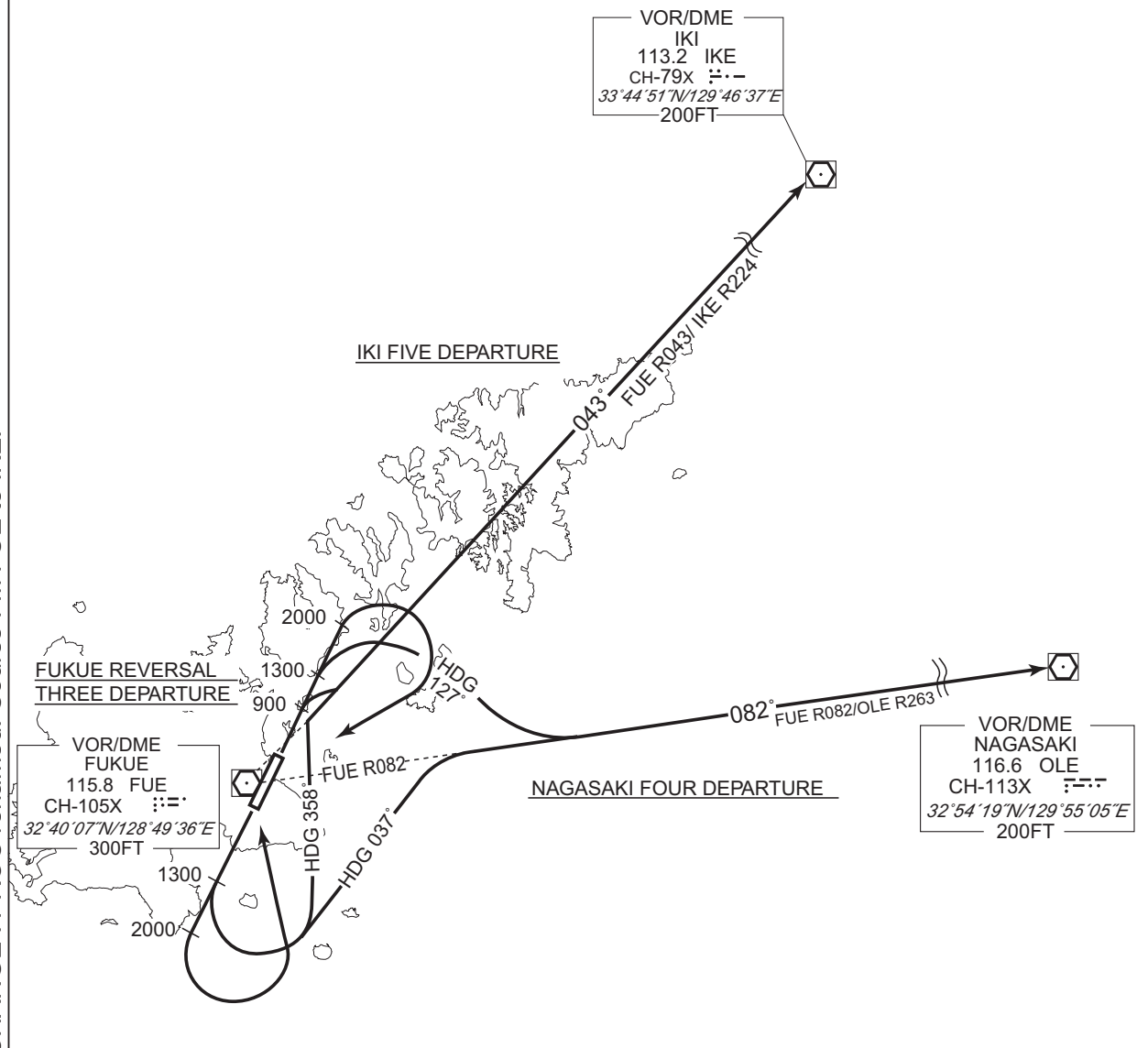
IKI FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 900FT, turn right ...  
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG358° ...  
...to intercept and proceed via FUE R043/IKE R224 to IKE VOR/DME

FUKUE REVERSAL THREE DEPARTURE

RWY 03 : Climb RWY HDG to 2000FT, turn right ...  
RWY 21 : Climb RWY HDG to 2000FT, turn left ...  
...direct to FUE VOR/DME.

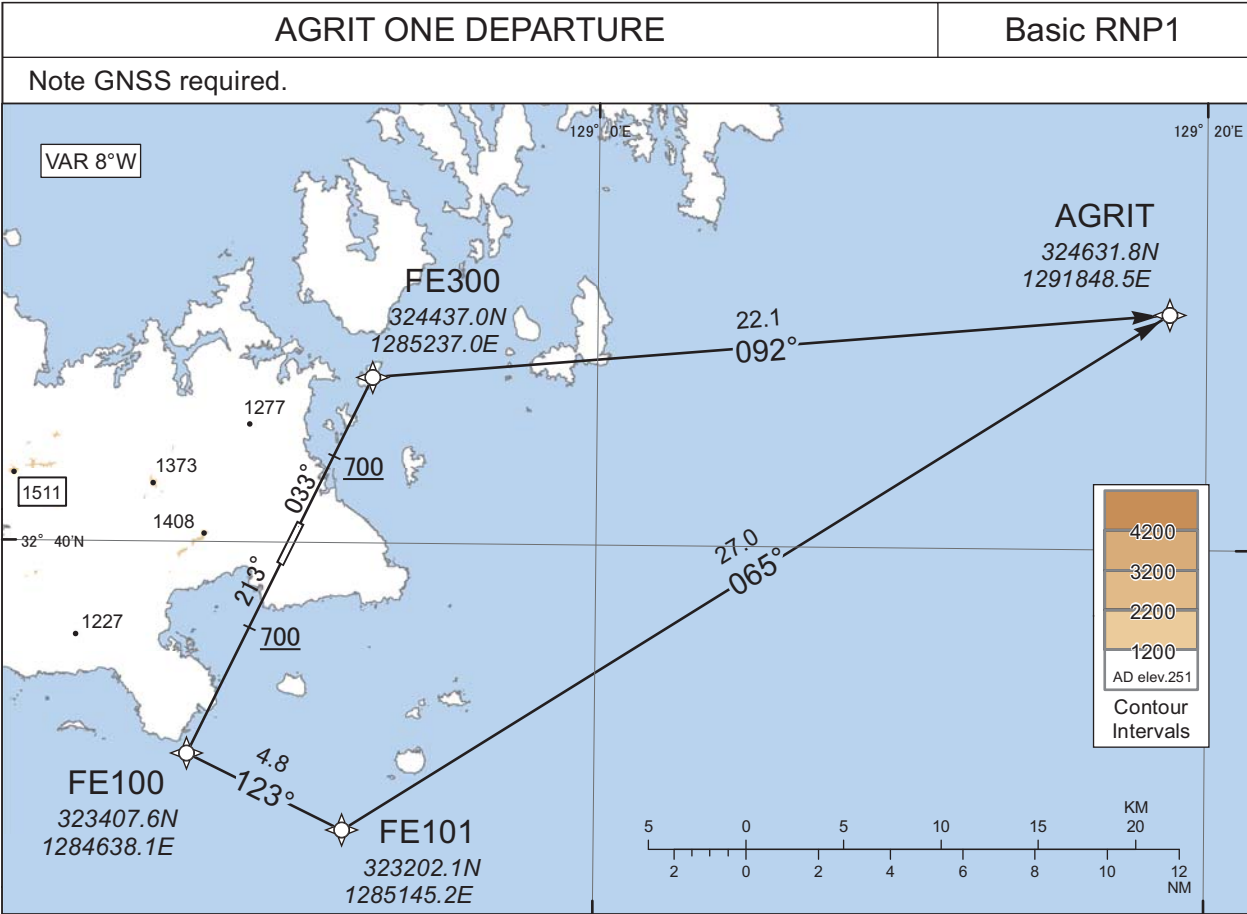
CHANGE : PROC renamed. Course FM FUE to IKE.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

RNAV SID



RWY03 : Climb on HDG033° at or above 700FT, direct to FE300, to AGRIT.  
RWY21 : Climb on HDG213° at or above 700FT, direct to FE100, to FE101, to AGRIT.

RWY03

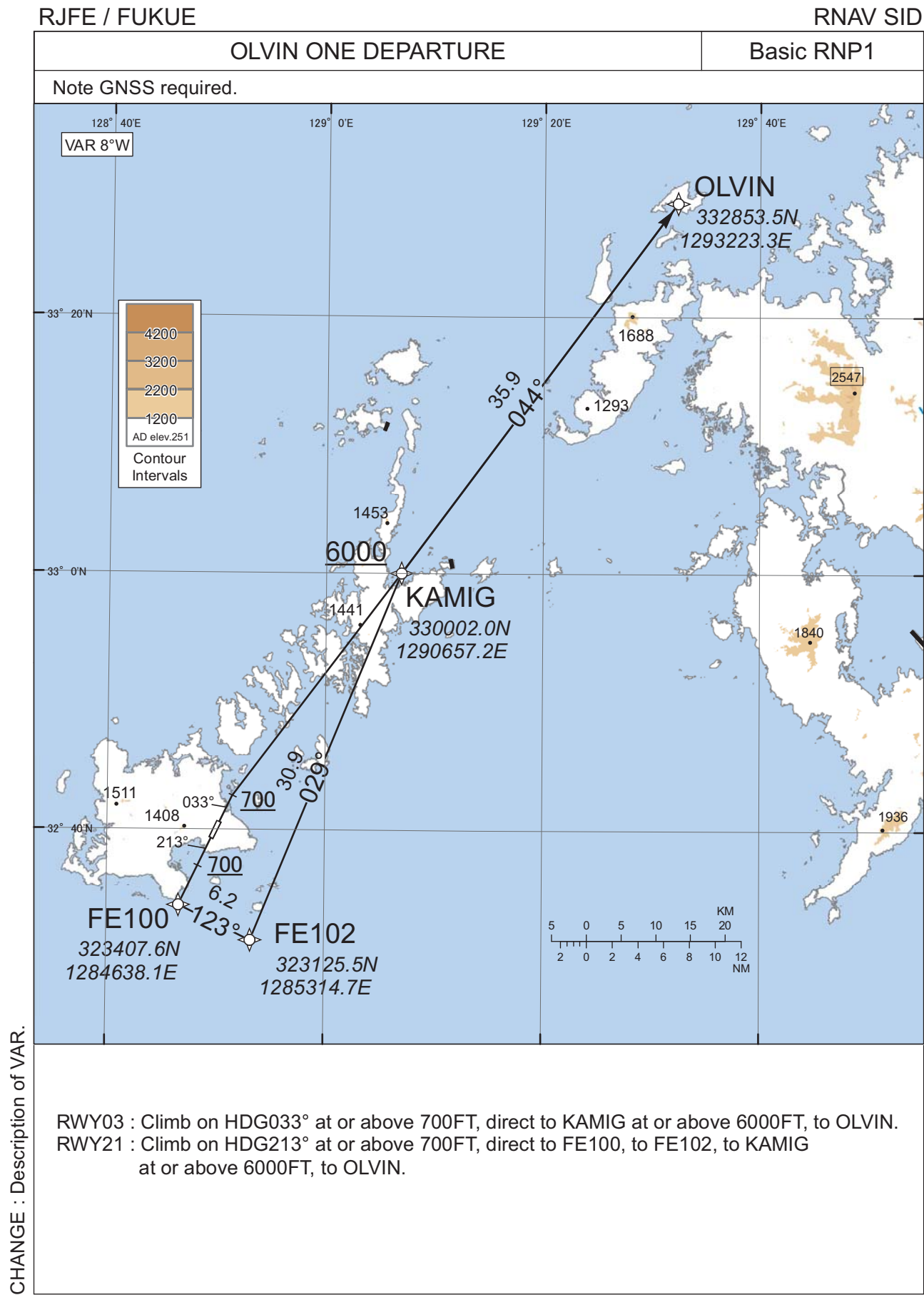
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | -                   | -        | 033 (025.6)   | -7.5               | -             | -              | +700          | -            | -              | Basic RNP1               |
| 002           | DF              | FE300               | -        | -             | -7.5               | -             | -              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | AGRIT               | -        | 092 (084.9)   | -7.5               | 22.1          | -              | -             | -            | -              | Basic RNP1               |

RWY21

| 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              | -                   | -        | 213 (205.7)   | -7.5               | -             | -              | +700          | -            | -              | Basic RNP1               |
| 002           | DF              | FE100               | -        | -             | -7.5               | -             | -              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | FE101               | -        | 123 (115.8)   | -7.5               | 4.8           | -              | -             | -            | -              | Basic RNP1               |
| 004           | TF              | AGRIT               | -        | 065 (057.4)   | -7.5               | 27.0          | -              | -             | -            | -              | Basic RNP1               |

CHANGE : Description of VAR.

STANDARD DEPARTURE CHART - INSTRUMENT



Civil Aviation Bureau,Japan (EFF:15 JUN 2023)

18/5/23

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

RNAV SID

OLVIN ONE DEPARTURE

## RWY03

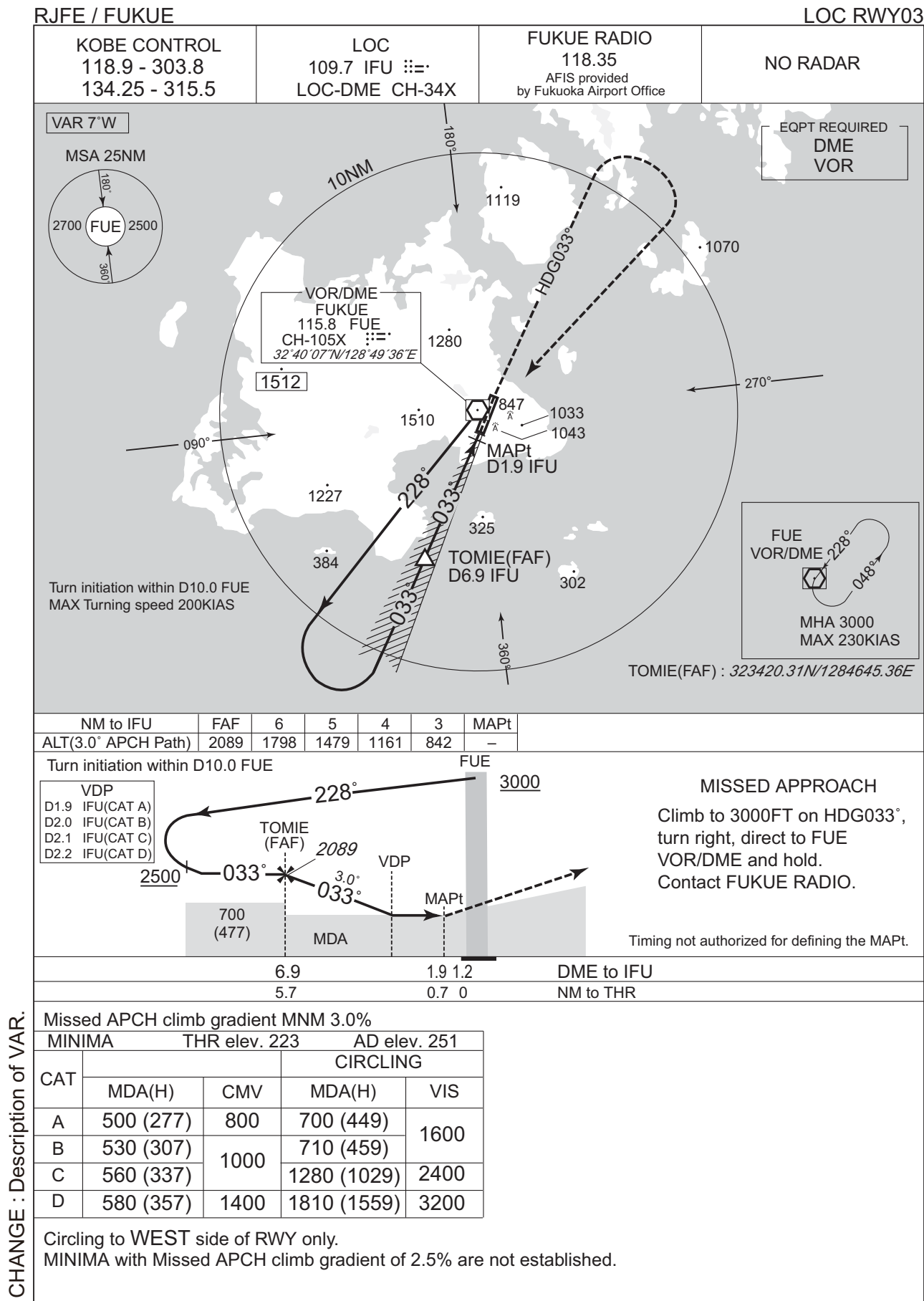
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | -                   | -        | 033<br>(025.6) | -7.5               | -             | -              | +700          | -            | -              | Basic RNP1               |
| 002           | DF              | KAMIG               | -        | -              | -7.5               | -             | -              | +6000         | -            | -              | Basic RNP1               |
| 003           | TF              | OLVIN               | -        | 044<br>(036.3) | -7.5               | 35.9          | -              | -             | -            | -              | Basic RNP1               |

## RWY21

| 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              | -                   | -        | 213<br>(205.7) | -7.5               | -             | -              | +700          | -            | -              | Basic RNP1               |
| 002           | DF              | FE100               | -        | -              | -7.5               | -             | -              | -             | -            | -              | Basic RNP1               |
| 003           | TF              | FE102               | -        | 123<br>(115.8) | -7.5               | 6.2           | -              | -             | -            | -              | Basic RNP1               |
| 004           | TF              | KAMIG               | -        | 029<br>(021.9) | -7.5               | 30.9          | -              | +6000         | -            | -              | Basic RNP1               |
| 005           | TF              | OLVIN               | -        | 044<br>(036.3) | -7.5               | 35.9          | -              | -             | -            | -              | Basic RNP1               |

CHANGE : New PROC.

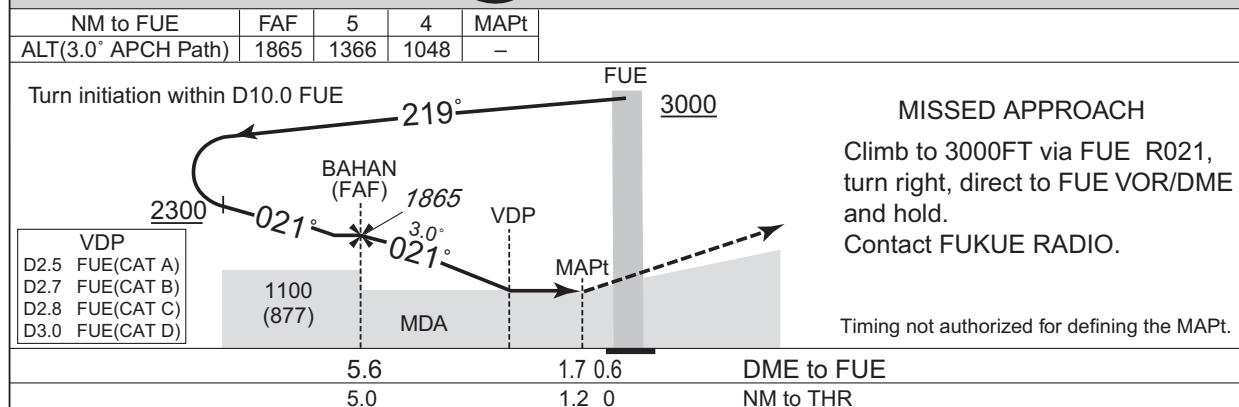
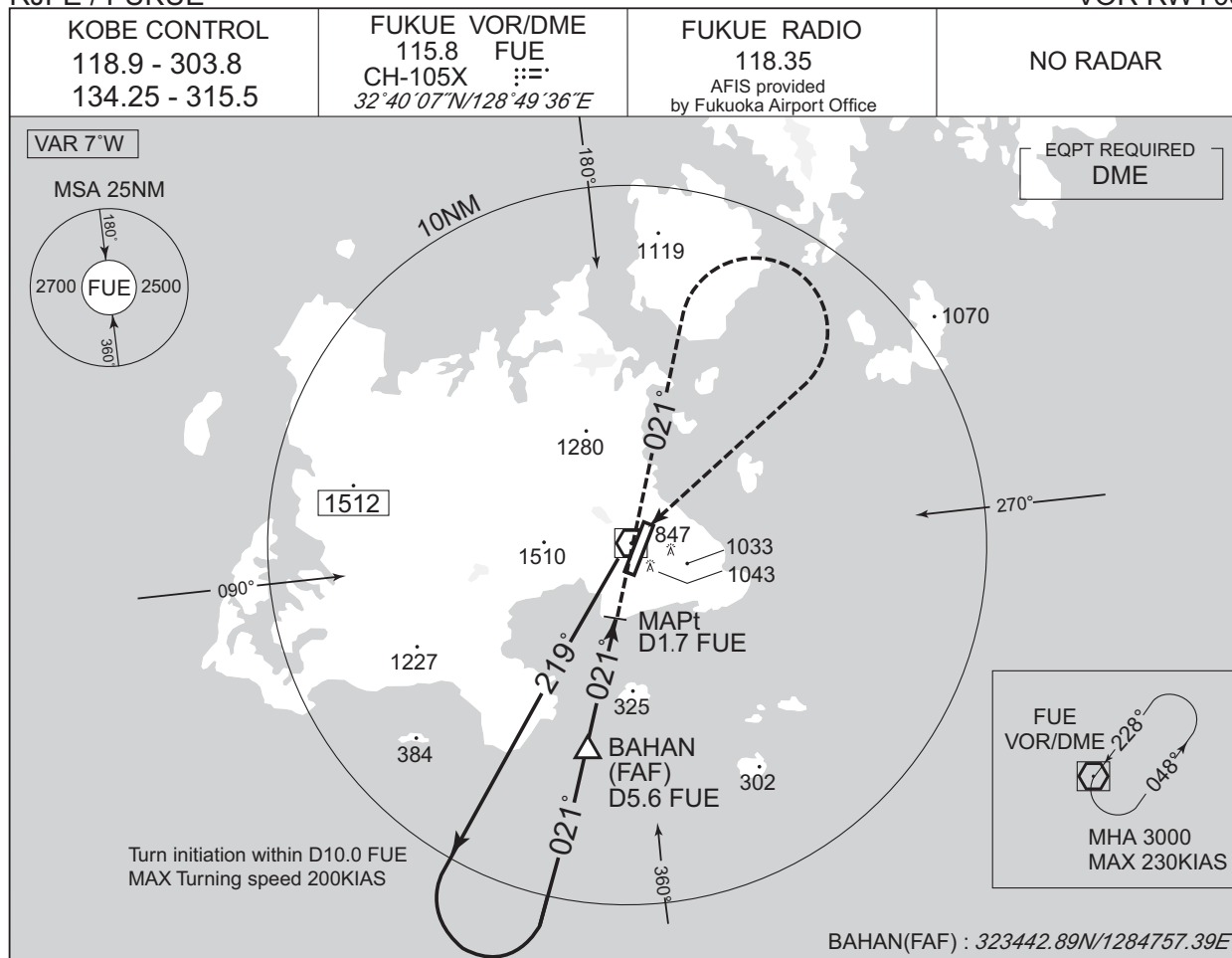
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03



CHANGE : Description of VAR.

| Missed APCH climb gradient MNM 5.0% |            |               |              |      |
|-------------------------------------|------------|---------------|--------------|------|
| MINIMA                              |            | THR elev. 223 | AD elev. 251 |      |
| CAT                                 |            |               | CIRCLING     |      |
|                                     | MDA(H)     | CMV           | MDA(H)       | VIS  |
| A                                   | 880 (657)  | 1200          | 880 (629)    | 1600 |
| B                                   | 920 (697)  | 1400          | 920 (669)    |      |
| C                                   | 970 (747)  |               | 1280 (1029)  | 2400 |
| D                                   | 1010 (787) | 1800          | 1810 (1559)  | 3200 |

Circling to WEST side of RWY only.

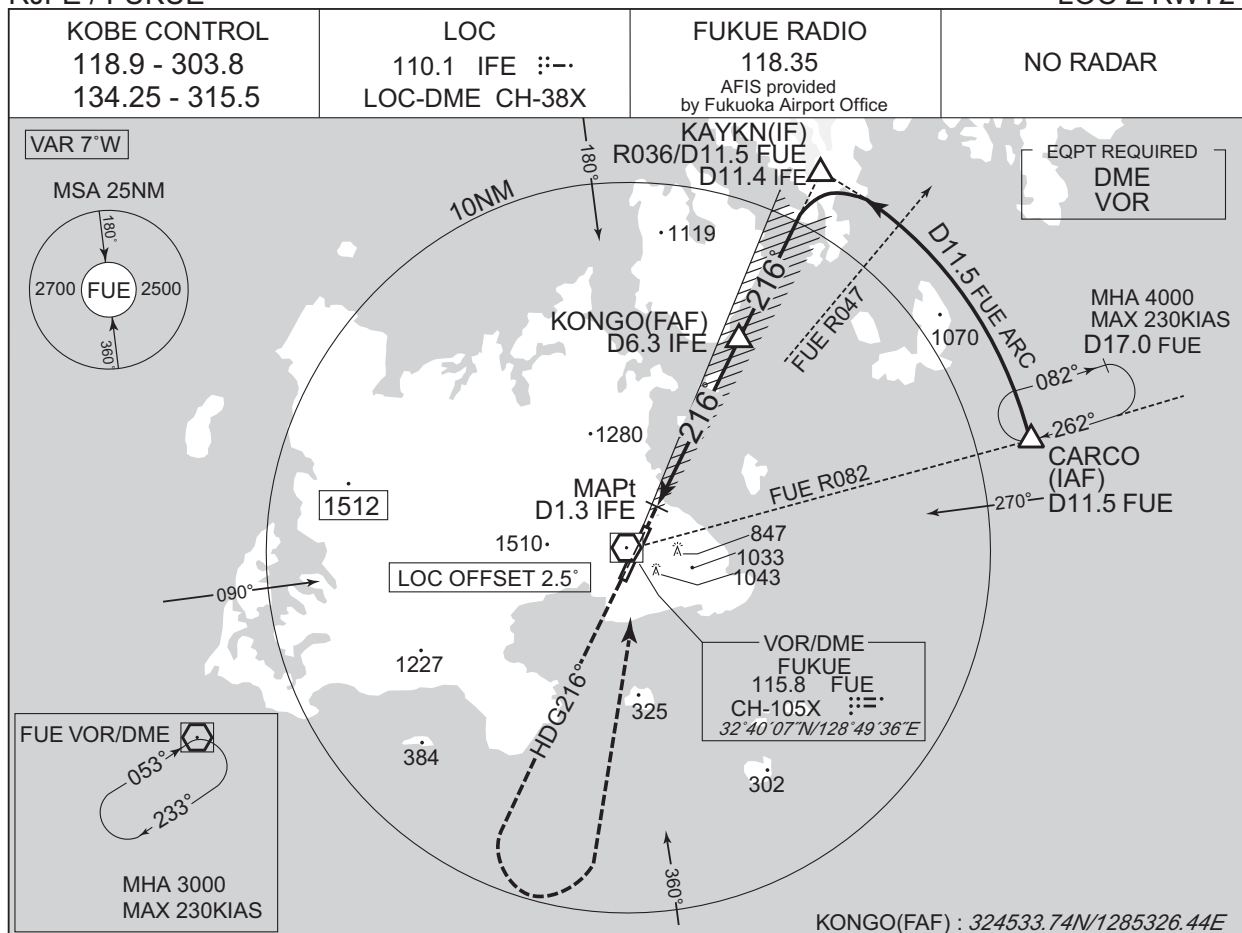
MINIMA with Missed APCH climb gradient of 2.5% are not established.



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Z RWY21

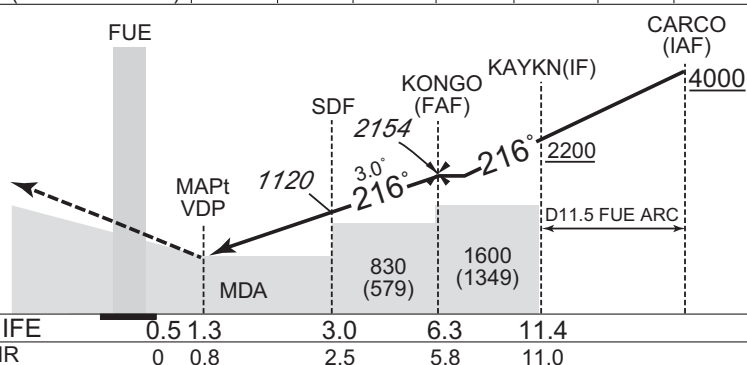


|                     | NM to IFE | MAPt | 2   | 3    | 4    | 5    | 6    | FAF  |
|---------------------|-----------|------|-----|------|------|------|------|------|
| ALT(3.0° APCH Path) | —         | —    | 801 | 1120 | 1438 | 1756 | 2075 | 2154 |

## MISSED APPROACH

Climb to 2000FT on HDG216°,  
turn left, direct to FUE  
VOR/DME and hold at 3000FT.  
Contact FUKUE RADIO.

Timing not authorized for defining the MAPt.



|            |     |     |     |     |      |
|------------|-----|-----|-----|-----|------|
| DME to IFE | 0.5 | 1.3 | 3.0 | 6.3 | 11.4 |
| NM to THR  | 0   | 0.8 | 2.5 | 5.8 | 11.0 |

Missed APCH climb gradient MNM 3.0%

| MINIMA |           | THR elev. 273 | AD elev. 251 |
|--------|-----------|---------------|--------------|
| CAT    | CIRCLING  |               | VIS          |
|        | MDA(H)    | CMV           | MDA(H)       |
| A      | 570 (319) | 900           | 700 (449)    |
| B      |           | 1000          | 710 (459)    |
| C      |           |               | 1280 (1029)  |
| D      |           |               | 1810 (1559)  |

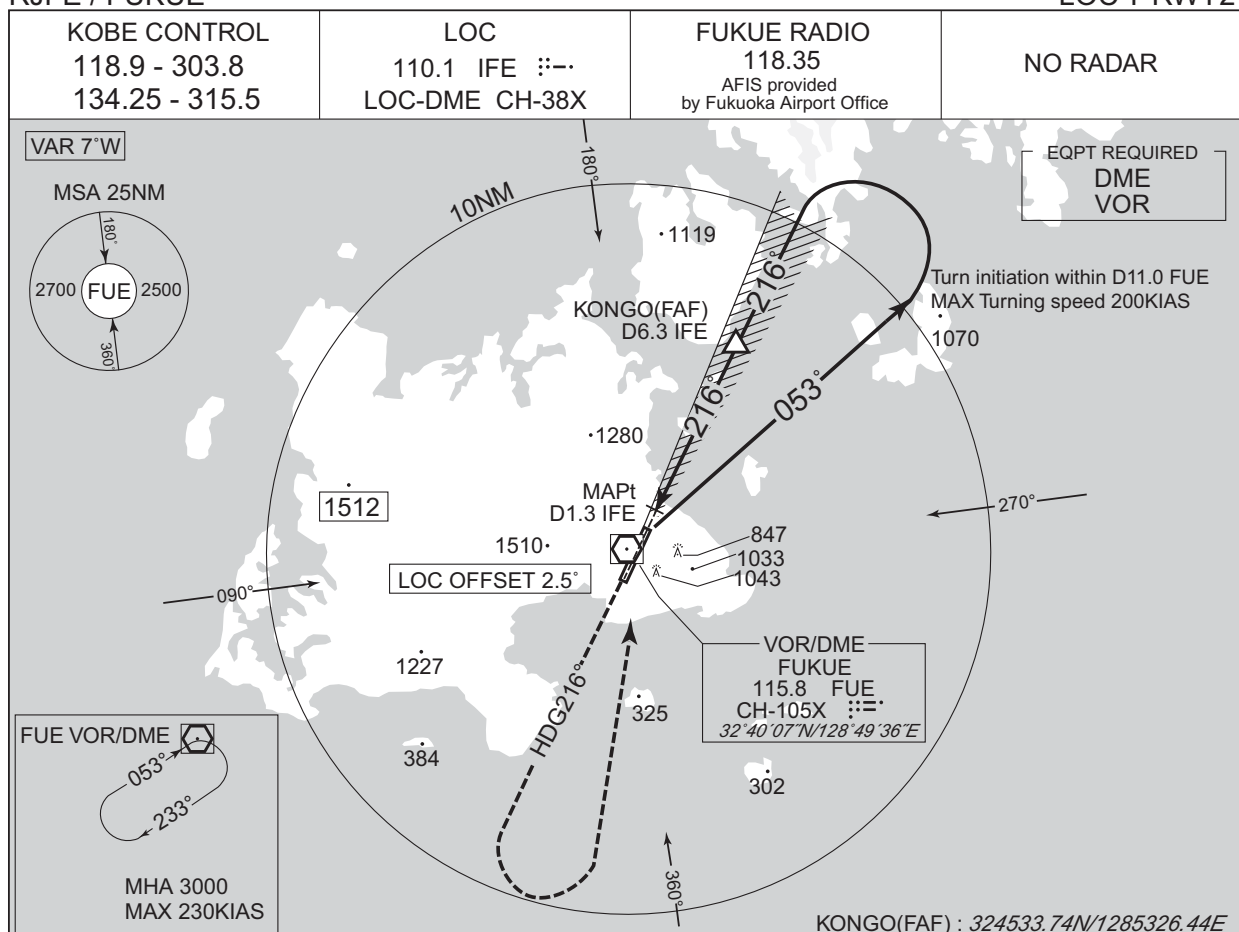
Circling to WEST side of RWY only.

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

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

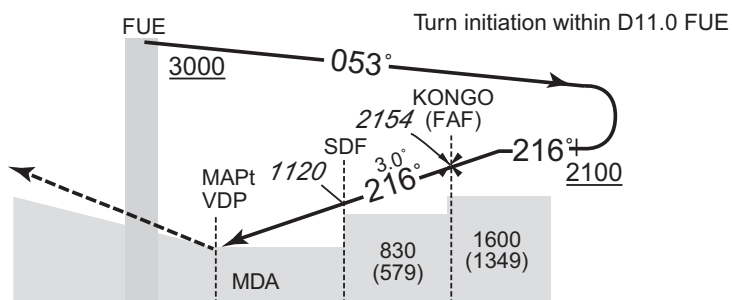
LOC Y RWY21



## MISSED APPROACH

Climb to 2000FT on HDG216°,  
turn left, direct to FUE  
VOR/DME and hold  
at 3000FT.  
Contact FUKUE RADIO.

Timing not authorized for defining the MAPt.



|            |     |     |     |     |
|------------|-----|-----|-----|-----|
| DME to IFE | 0.5 | 1.3 | 3.0 | 6.3 |
| NM to THR  | 0   | 0.8 | 2.5 | 5.8 |

Missed APCH climb gradient MNM 3.0%

MINIMA      THR elev. 273      AD elev. 251

| CAT | CIRCLING  |      | CIRCLING    |      |
|-----|-----------|------|-------------|------|
|     | MDA(H)    | CMV  | MDA(H)      | VIS  |
| A   | 570 (319) | 900  | 700 (449)   | 1600 |
| B   |           | 1000 | 710 (459)   |      |
| C   |           |      | 1280 (1029) |      |
| D   |           |      | 1810 (1559) |      |

Circling to WEST side of RWY only.

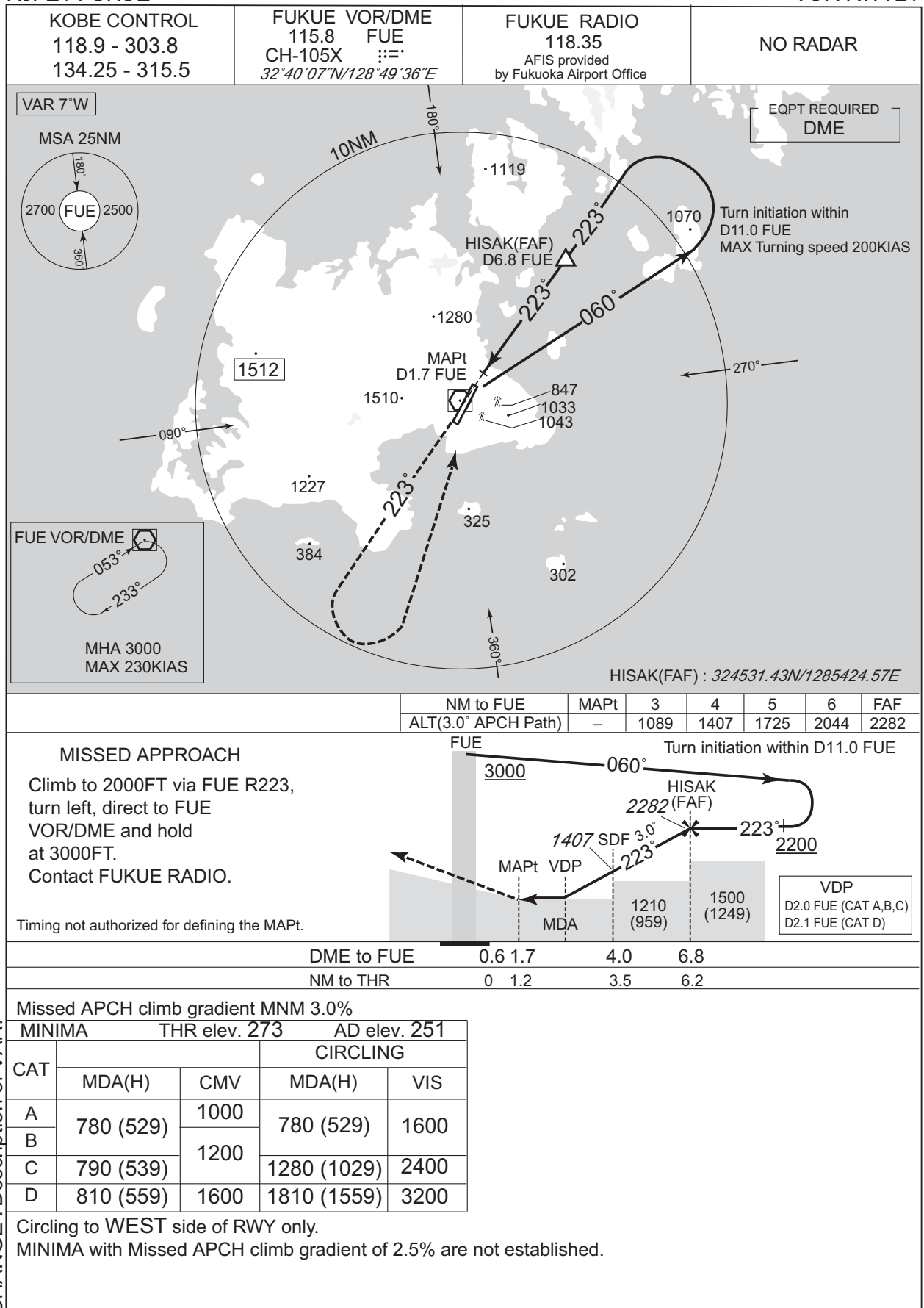
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY21



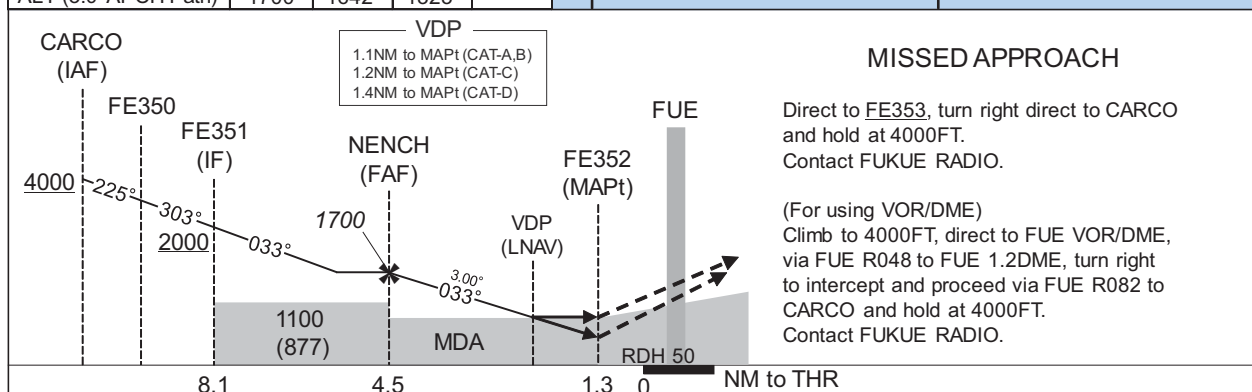
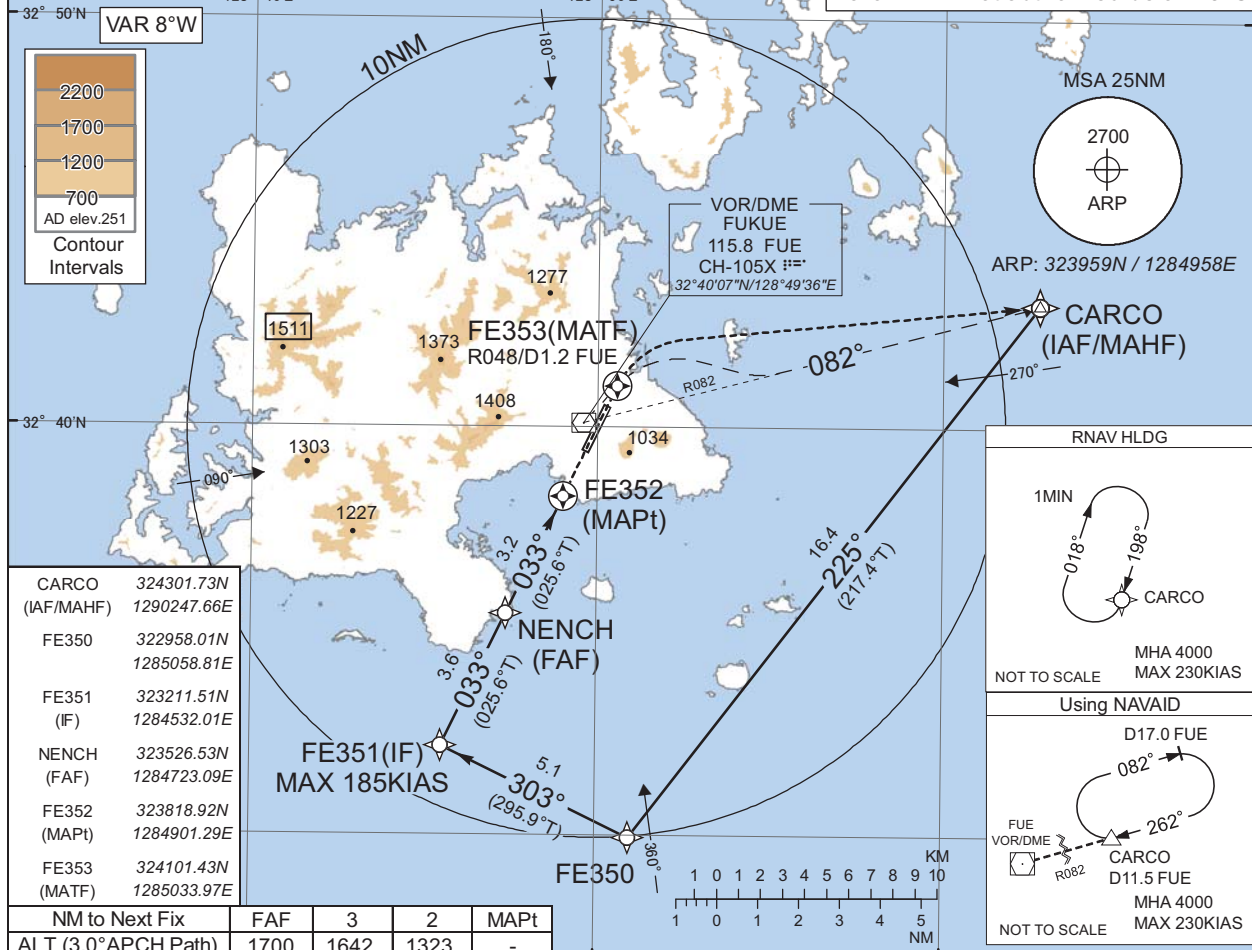
## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

|                                                 |                                  |                                                                     |          |
|-------------------------------------------------|----------------------------------|---------------------------------------------------------------------|----------|
| KOBE CONTROL<br>118.9 - 303.8<br>134.25 - 315.5 | RNP APCH<br>MSAS CH88033<br>M03A | FUKUE RADIO<br>118.35<br>AFIS provided by<br>Fukuoka Airport Office | NO RADAR |
|-------------------------------------------------|----------------------------------|---------------------------------------------------------------------|----------|

Baro-VNAV not authorized below -5°C



| Missed APCH climb gradient MNM 5.0% |               |      |              |      |           |      |            |      |
|-------------------------------------|---------------|------|--------------|------|-----------|------|------------|------|
| MINIMA                              | THR elev. 223 |      | AD elev. 251 |      | LNAV/VNAV |      | LNAV       |      |
| CAT                                 | LPV           |      | LNAV/VNAV    |      | LNAV      |      | CIRCLING   |      |
|                                     | DA(H)         | CMV  | DA(H)        | CMV  | MDA(H)    | CMV  | MDA(H)     | VIS  |
| A                                   | 611(388)      | 900  | 1010(787)    | 1200 | 1010(787) | 1200 | 1010(759)  | 1600 |
| B                                   | 621(398)      | 1000 | 1050(827)    | 1400 | 1050(827) | 1400 | 1280(1029) | 2400 |
| C                                   | 631(408)      | 1400 | 1090(867)    | 1800 | 1090(867) | 1800 | 1810(1559) | 3200 |
| D                                   | 641(418)      | 1400 | 1090(867)    | 1800 | 1090(867) | 1800 | 1810(1559) | 3200 |

Circling to WEST side of RWY only.

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

CHANGE : Description of VAR.

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

**FAS DATA BLOCK**

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +00987        |
| SBAS service provider identifier | 2             | FPAP latitude              | 324027.7825N  |
| Airport identifier               | RJFE          | FPAP longitude             | 1285014.8040E |
| Runway                           | 03            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M03A          | ∠ length offset            | 0000          |
| LTP/FTP latitude                 | 323929.3105N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1284941.4435E | VAL                        | 50.0          |
| CRC remainder                    | E0818BF5      |                            |               |

**Required additional data**

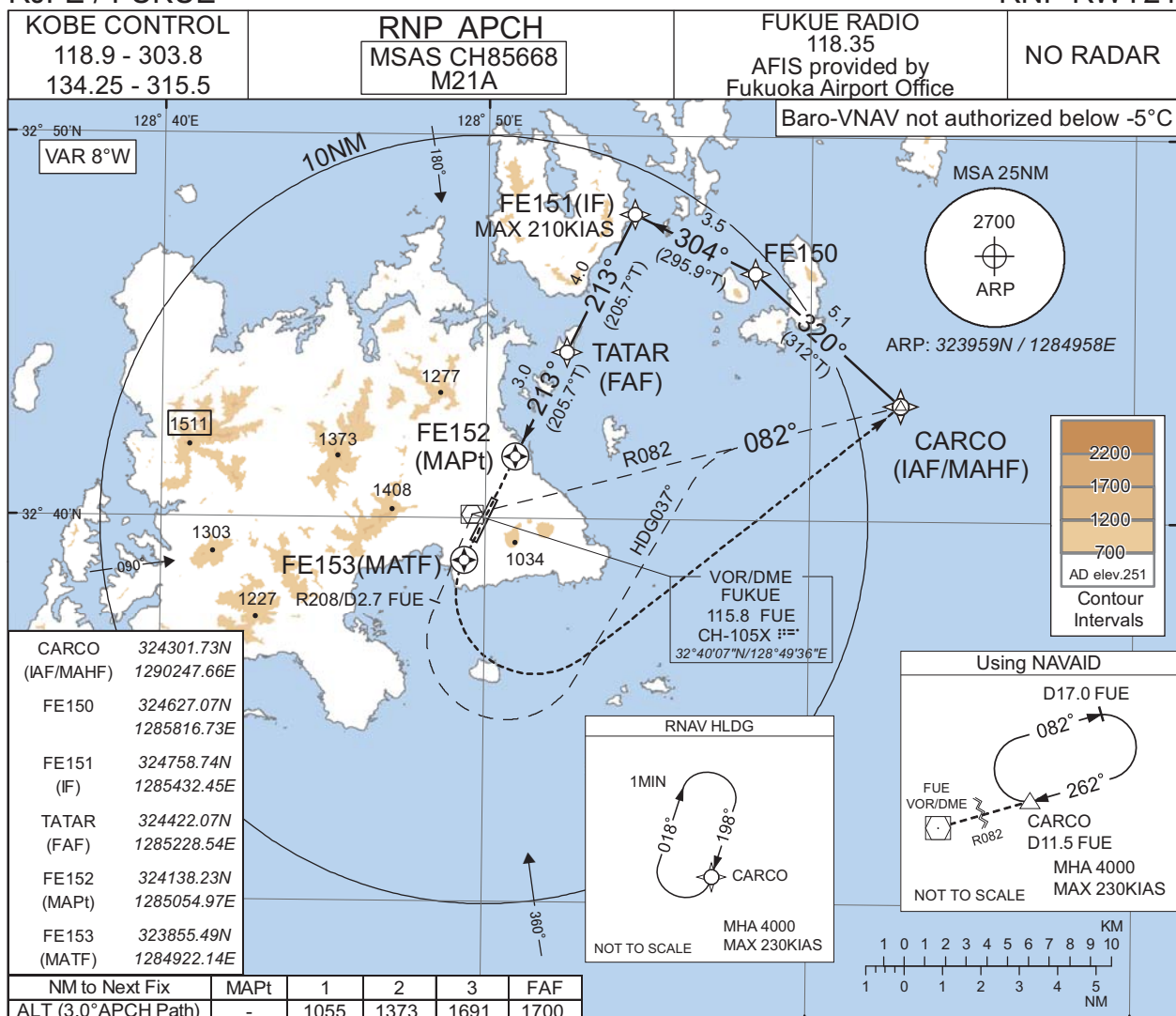
|                            |      |
|----------------------------|------|
| LTP/FTP orthometric height | 67.7 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

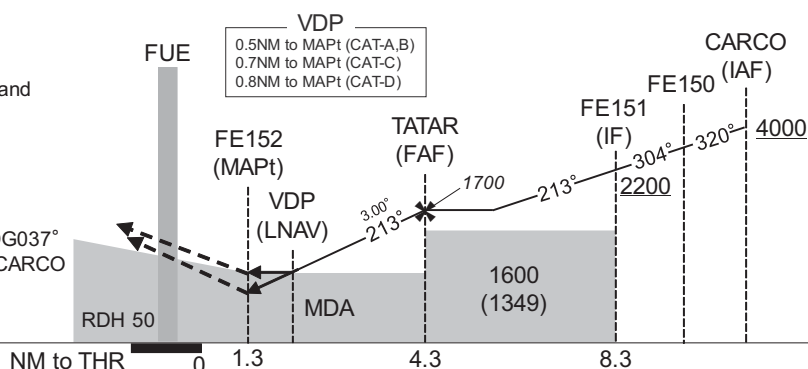
RNP RWY21



## MISSED APPROACH

Direct to FE153, turn left direct to CARCO and hold at 4000FT.  
Contact FUKUE RADIO.

(For using VOR/DME)  
Climb to 4000FT, direct to FUE VOR/DME, via FUE R208 to FUE 2.7DME, turn left HDG037° to intercept and proceed via FUE R082 to CARCO and hold.  
Contact FUKUE RADIO.



Missed APCH climb gradient MNM 5.0%

| MINIMA |          | THR elev. 273 | AD elev. 251 |      |          |      |            |      |
|--------|----------|---------------|--------------|------|----------|------|------------|------|
| CAT    | LPV      |               | LNAV/VNAV    |      | LNAV     |      | CIRCLING   |      |
|        | DA(H)    | CMV           | DA(H)        | CMV  | MDA(H)   | CMV  | MDA(H)     | VIS  |
| A      | 721(448) | 900           | 880(607)     | 1000 | 880(629) | 1000 | 880(629)   | 1600 |
| B      | 731(458) | 1200          |              | 1200 |          | 1200 |            |      |
| C      | 741(468) | 1600          | 930(657)     | 1400 | 930(679) | 1400 | 1280(1029) | 2400 |
| D      | 751(478) |               | 970(697)     | 1800 | 970(719) | 1800 | 1810(1559) | 3200 |

Circling to WEST side of RWY only.

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

CHANGE : Description of VAR.

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY21

**FAS DATA BLOCK**

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +01140        |
| SBAS service provider identifier | 2             | FPAP latitude              | 323929.3105N  |
| Airport identifier               | RJFE          | FPAP longitude             | 1284941.4435E |
| Runway                           | 21            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M21A          | ∠ length offset            | 0000          |
| LTP/FTP latitude                 | 324027.7825N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1285014.8040E | VAL                        | 50.0          |
| CRC remainder                    | 7B7068FB      |                            |               |

**Required additional data**

|                            |      |
|----------------------------|------|
| LTP/FTP orthometric height | 82.9 |
|----------------------------|------|

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).



RJFE / FUKUE

Visual REP

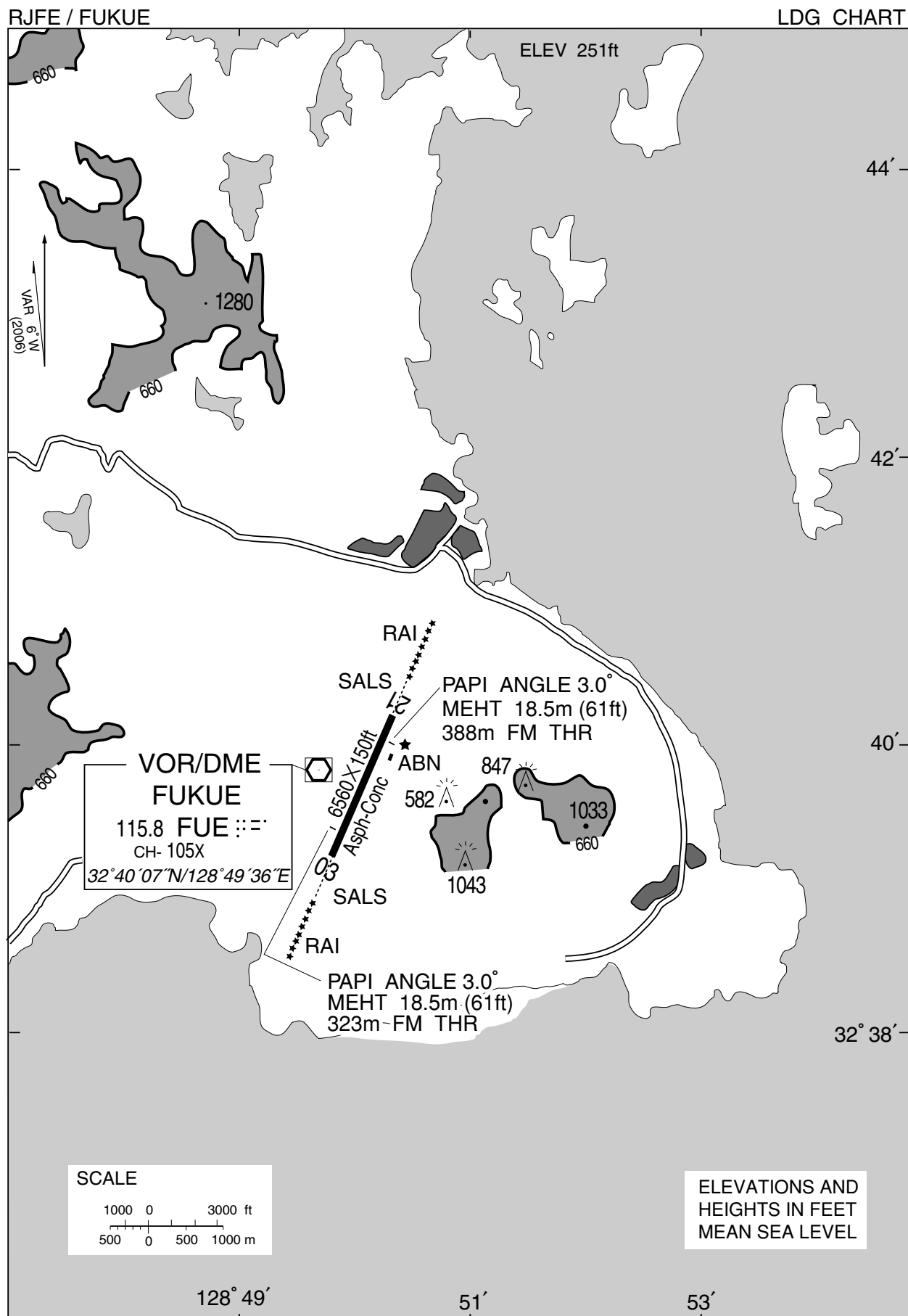


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Secondary FREQ abolished.

| Call sign        | BRG / DIST from ARP | Remarks               |
|------------------|---------------------|-----------------------|
| 奈留島<br>Narushima | 029°T / 10.8NM      | 浦港<br>Harbor          |
| 枇島<br>Kabashima  | 053°T / 10.2NM      | 島<br>Island           |
| 京ノ岳<br>Kyonodake | 304°T / 10.1NM      | レーダーサイト<br>Radar site |
| 蝶螺島<br>Sazaejima | 055°T / 4.0NM       | 島<br>Island           |
| 二本楠<br>Nihongusu | 275°T / 5.2NM       | 十字路<br>Intersection   |
| 富江港<br>Tomieko   | 230°T / 4.4NM       | 港<br>Harbor           |
| 大瀬崎<br>Osezaki   | 255°T / 12.2NM      | 灯台<br>Lighthouse      |
| 黒島<br>Kuroshima  | 179°T / 4.0NM       | 島<br>Island           |
| 黄島<br>Oshima     | 151°T / 6.9NM       | 島<br>Island           |





RJFE / FUKUE

Minimum Vectoring Altitude CHART

CHANGE : Shape of segment.



**INTENTIONALLY LEFT BLANK**