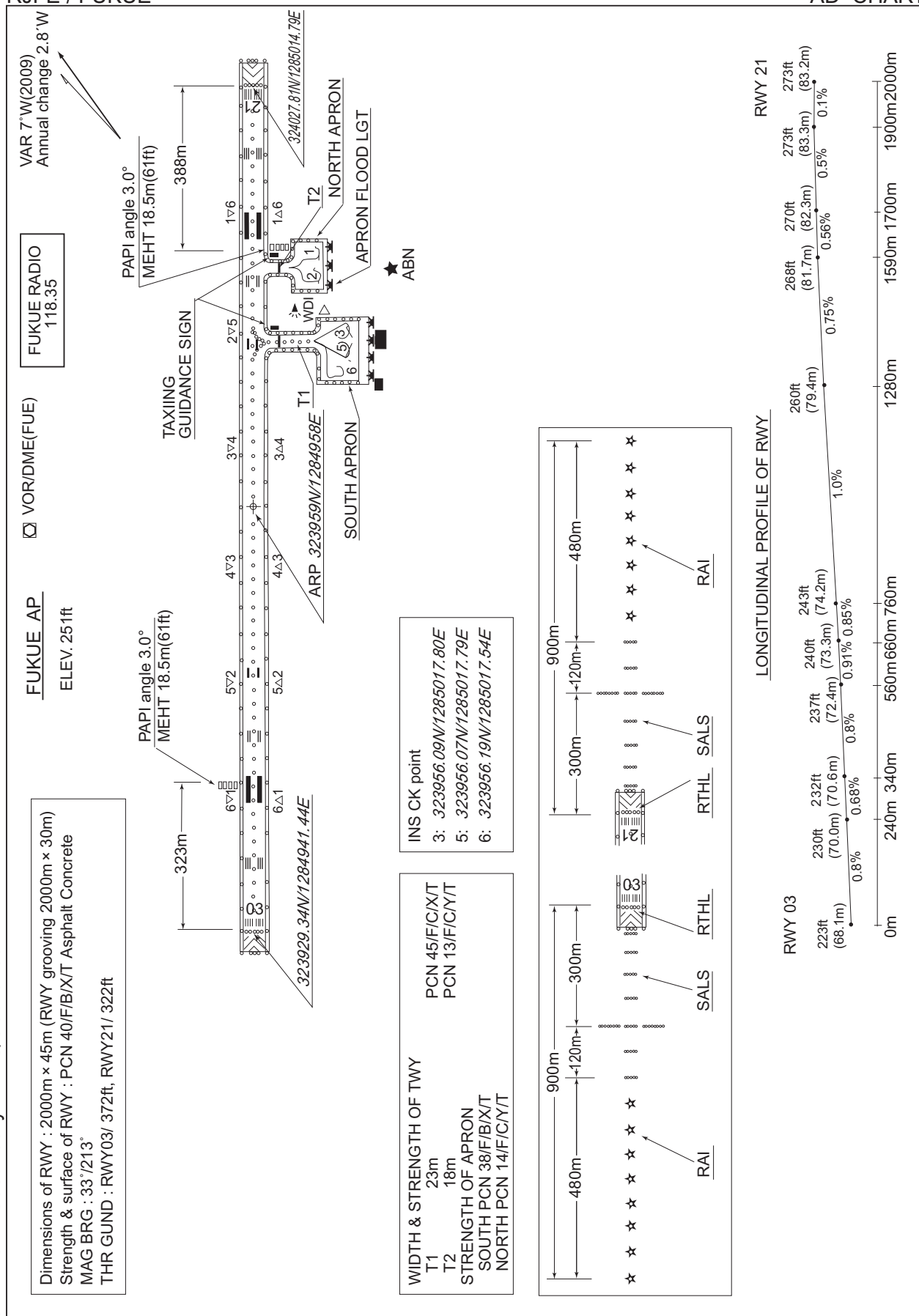


RJFE / FUKUE

AD CHART



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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.

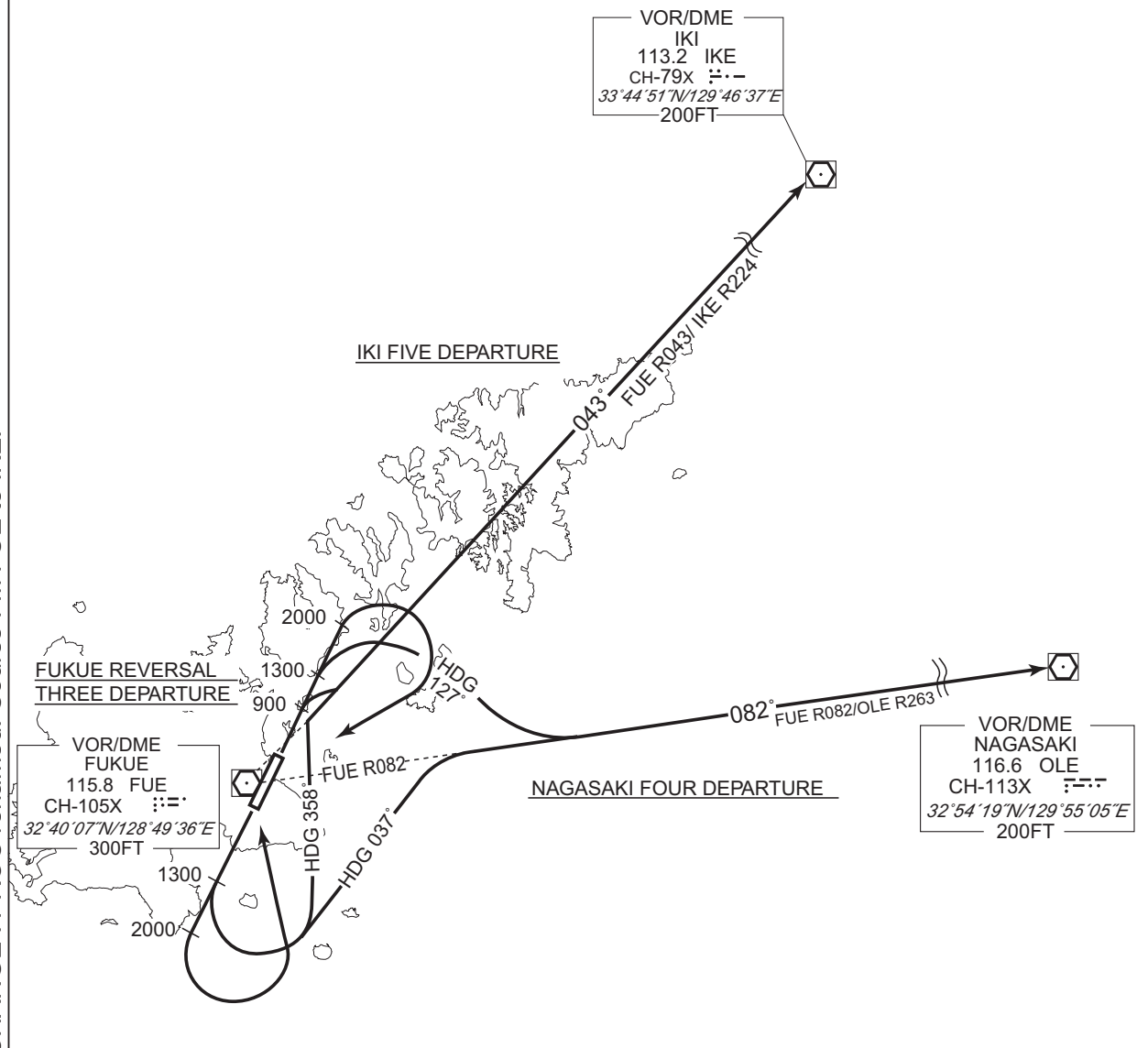
IKI FIVE DEPARTURE

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.

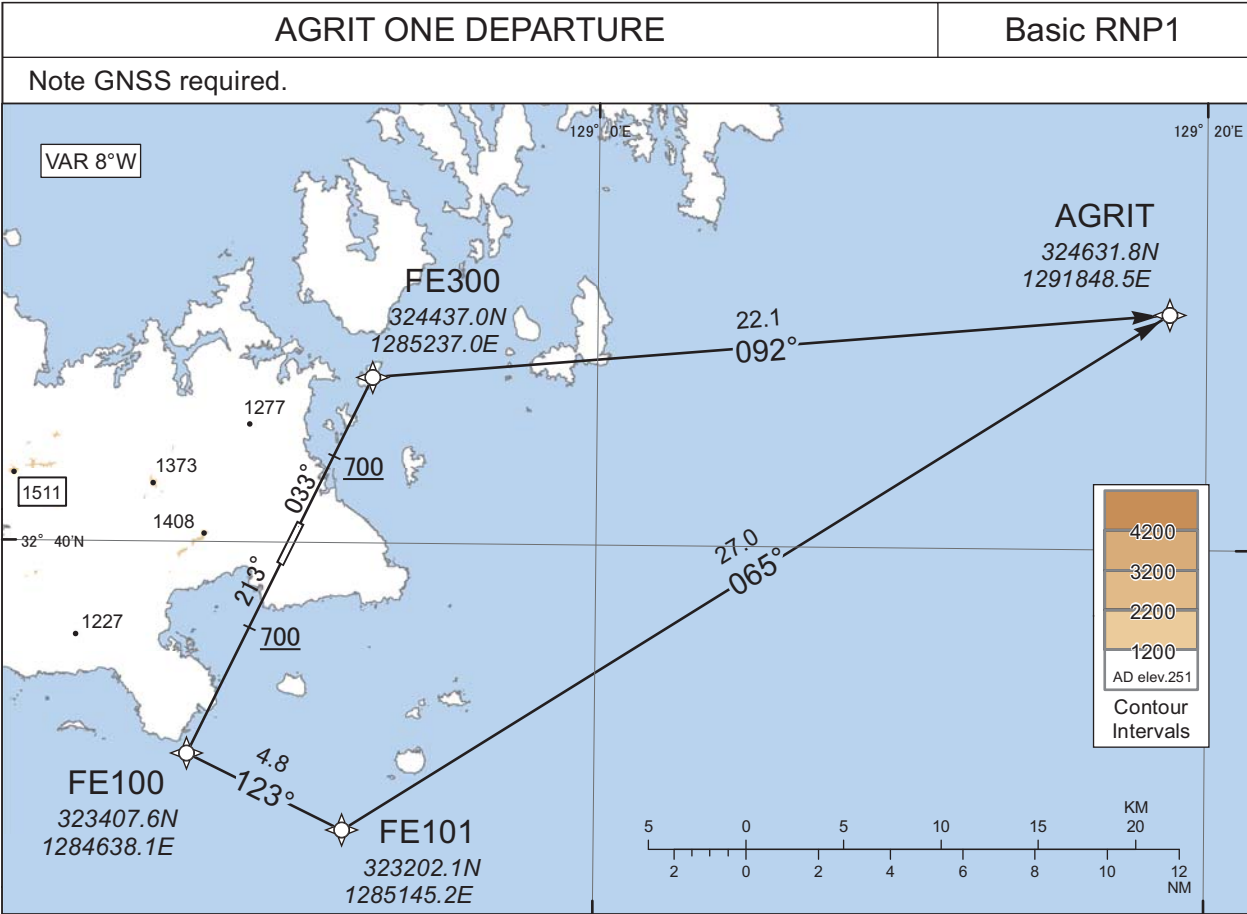
CHANGE : PROC renamed. Course FM FUE to IKE.



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

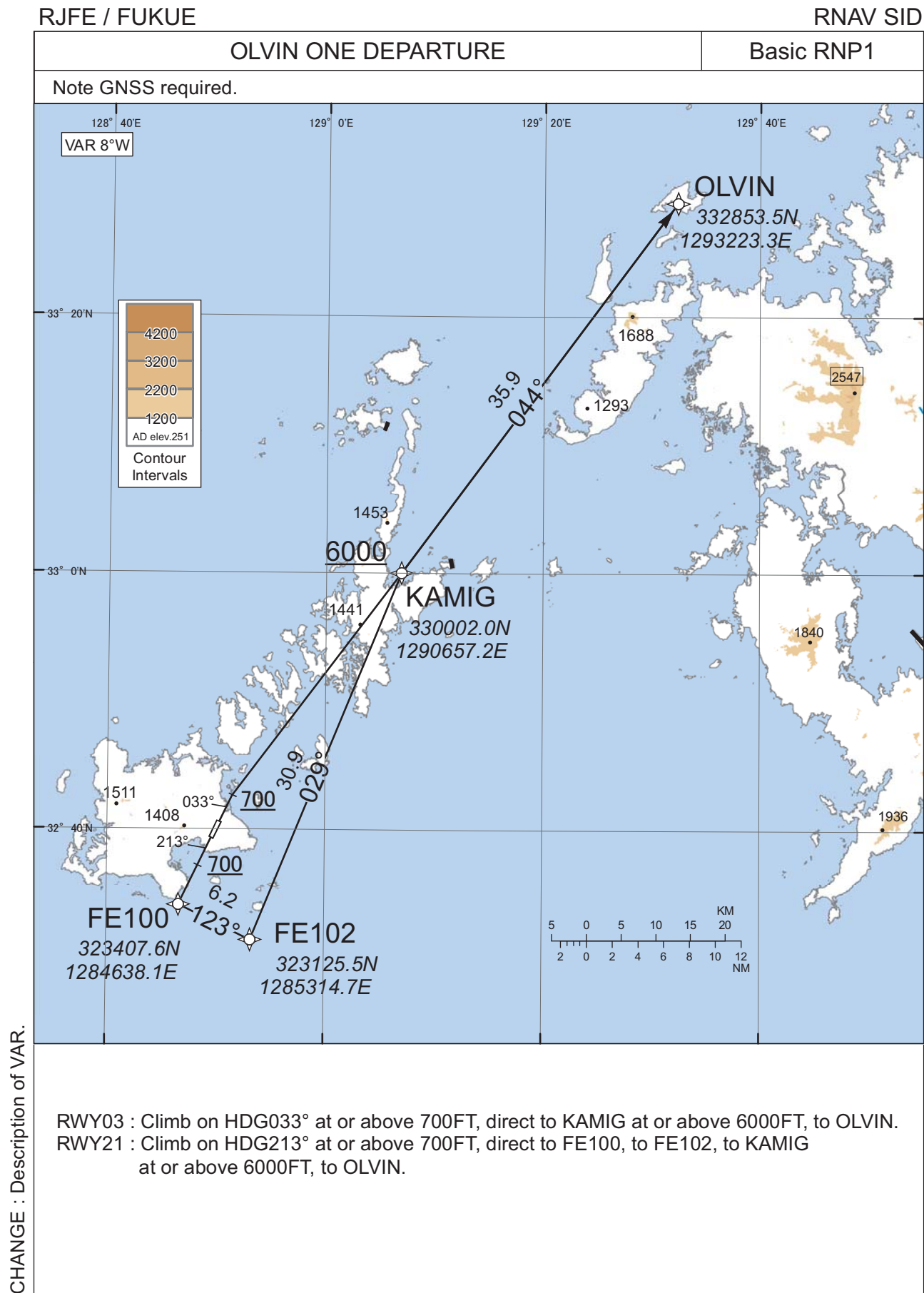
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|------------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



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 (025.6) | -7.5 | - | - | +700 | - | - | Basic RNP1 |
| 002 | DF | KAMIG | - | - | -7.5 | - | - | +6000 | - | - | Basic RNP1 |
| 003 | TF | OLVIN | - | 044 (036.3) | -7.5 | 35.9 | - | - | - | - | Basic RNP1 |

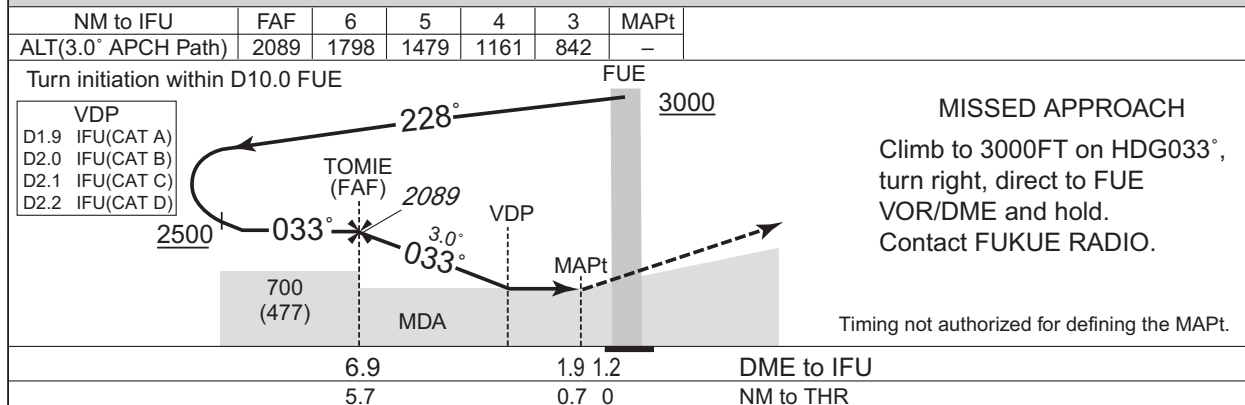
RWY21

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

CHANGE : New PROC.

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LOC RWY03



CHANGE : Description of VAR.

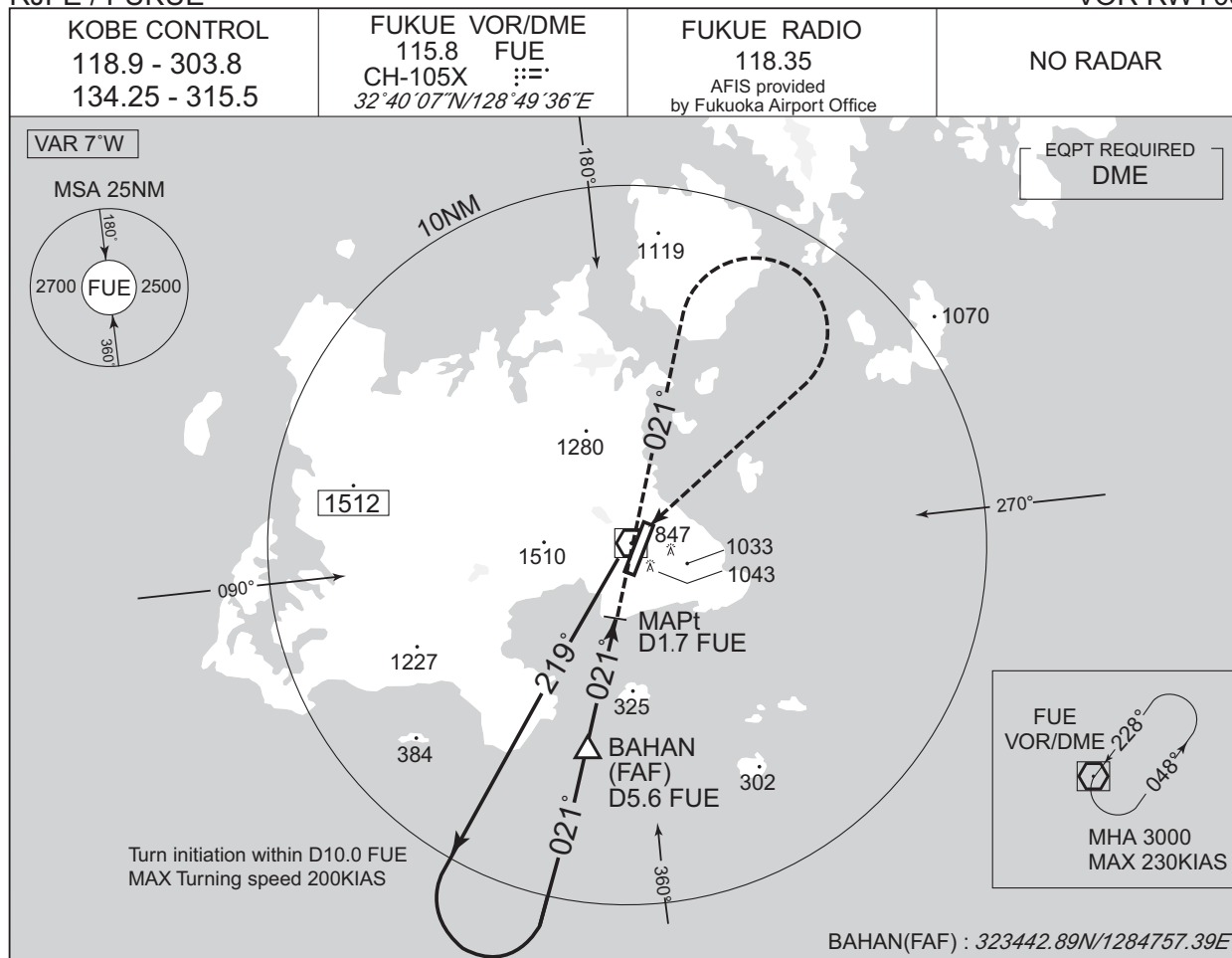
| Missed APCH climb gradient MNM 3.0% | | | | |
|-------------------------------------|-----------|---------------|--------------|------|
| MINIMA | | THR elev. 223 | AD elev. 251 | |
| CAT | | | CIRCLING | |
| | MDA(H) | CMV | MDA(H) | VIS |
| A | 500 (277) | 800 | 700 (449) | 1600 |
| B | 530 (307) | 1000 | 710 (459) | |
| C | 560 (337) | | 1280 (1029) | 2400 |
| D | 580 (357) | 1400 | 1810 (1559) | 3200 |

Circling to WEST side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

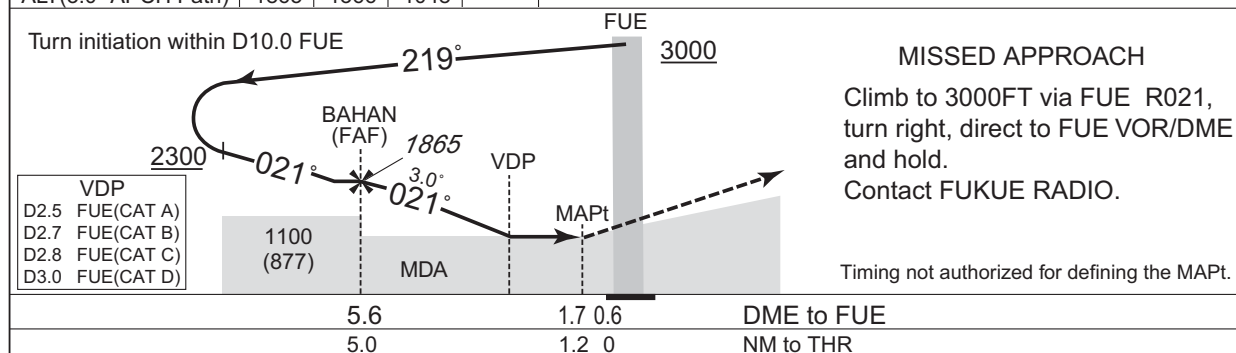
INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03



| NM to FUE | FAF | 5 | 4 | MAPt |
|---------------------|------|------|------|------|
| ALT(3.0° APCH Path) | 1865 | 1366 | 1048 | - |



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 |

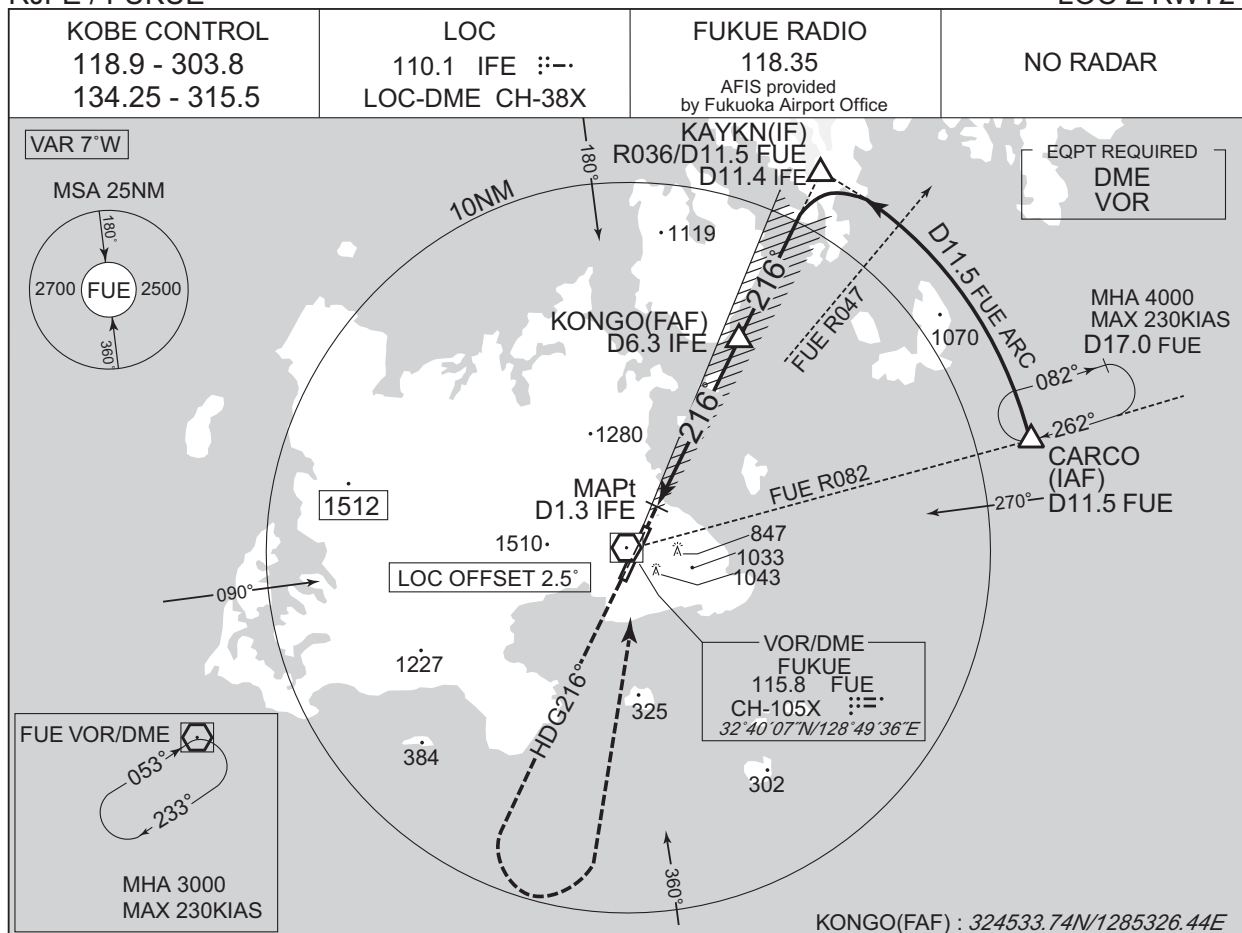
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Z RWY21

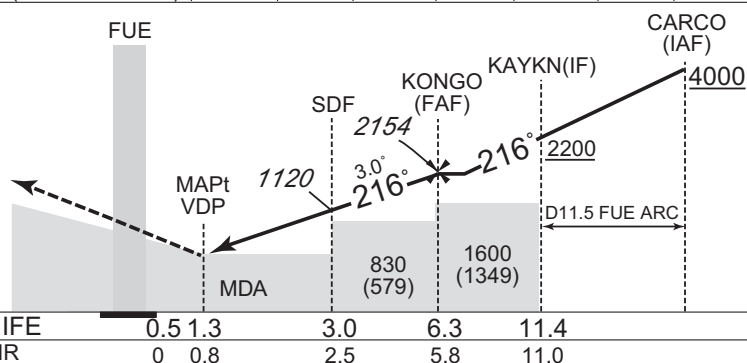


| NM to IFE | MAPt | 2 | 3 | 4 | 5 | 6 | FAF |
|---------------------|------|-----|------|------|------|------|------|
| ALT(3.0° APCH Path) | — | 801 | 1120 | 1438 | 1756 | 2075 | 2154 |

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.



Missed APCH climb gradient MNM 3.0%

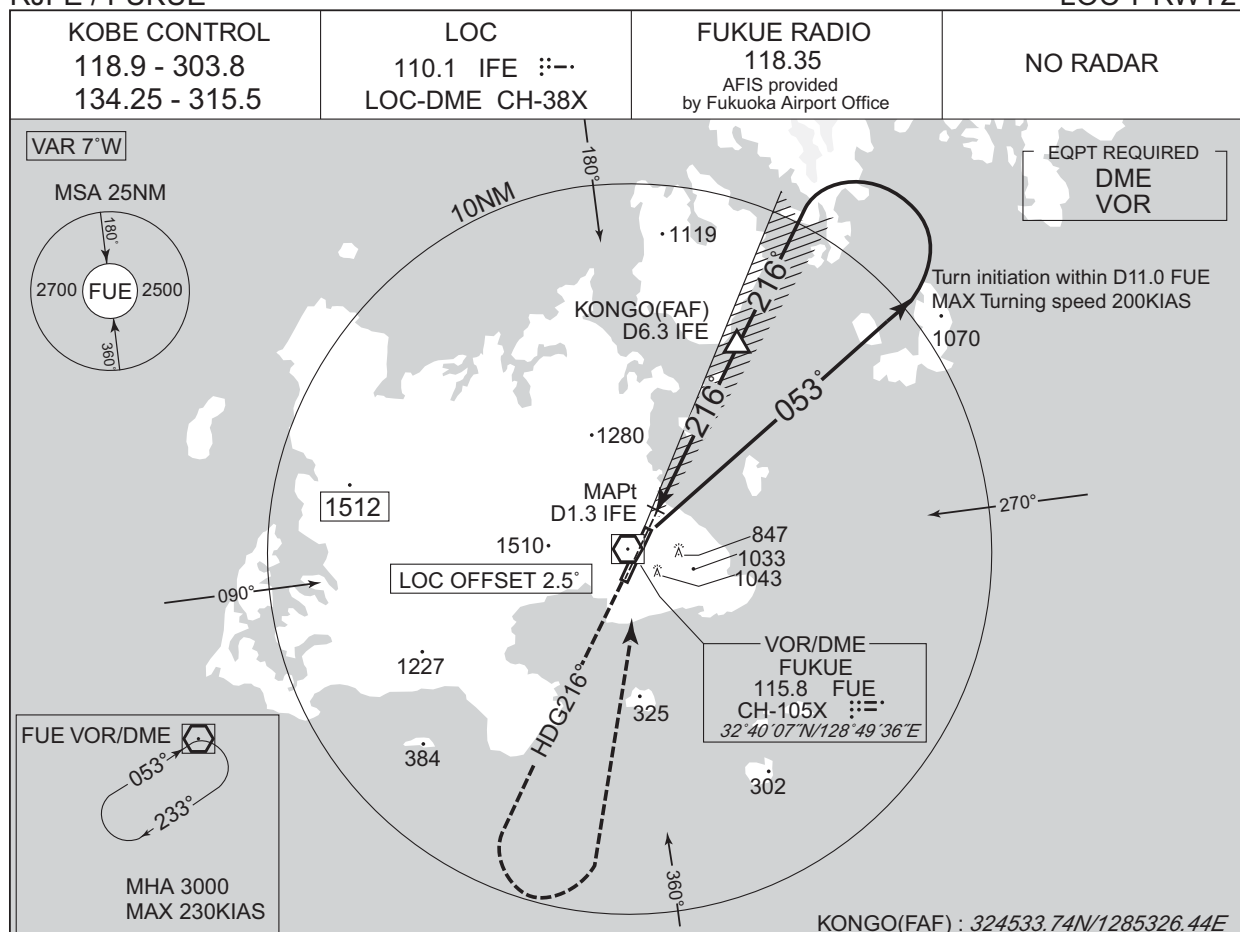
| MINIMA | | THR elev. 273 | AD elev. 251 |
|--------|-----------|---------------|--------------|
| CAT | CIRCLING | | VIS |
| | MDA(H) | CMV | MDA(H) |
| A | 570 (319) | 900 | 700 (449) |
| B | | 1000 | 710 (459) |
| C | | | 1280 (1029) |
| D | | | 1810 (1559) |

Circling to WEST side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJFE / FUKUE

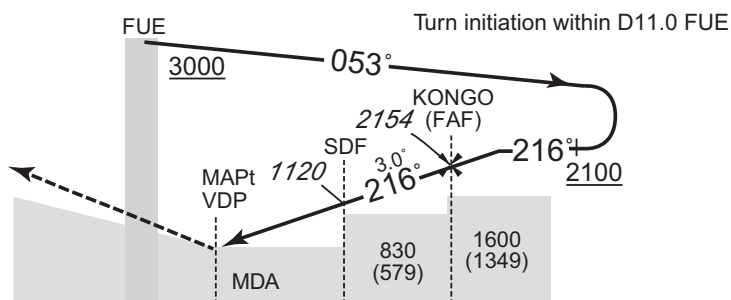
LOC Y RWY21



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

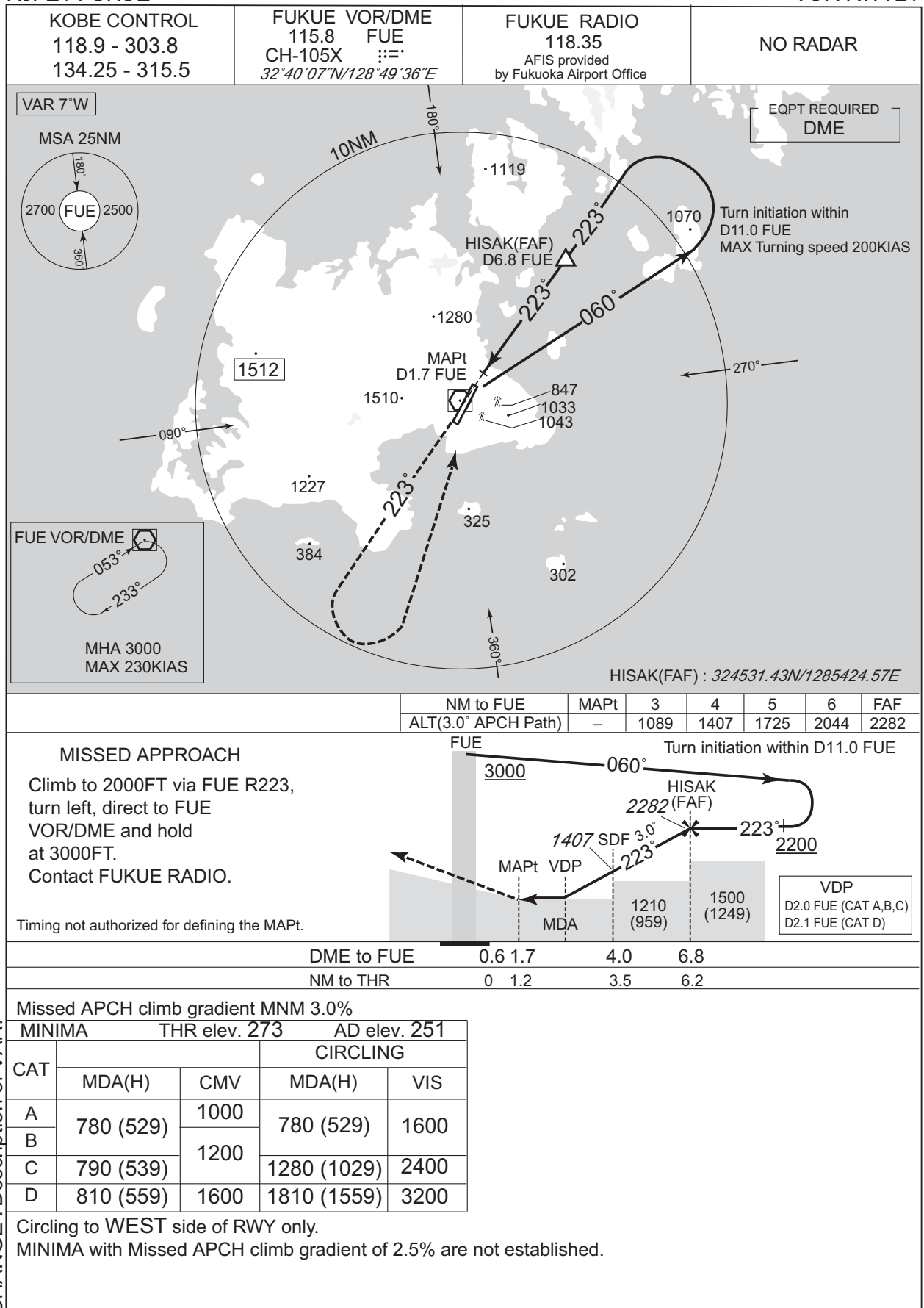
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY21

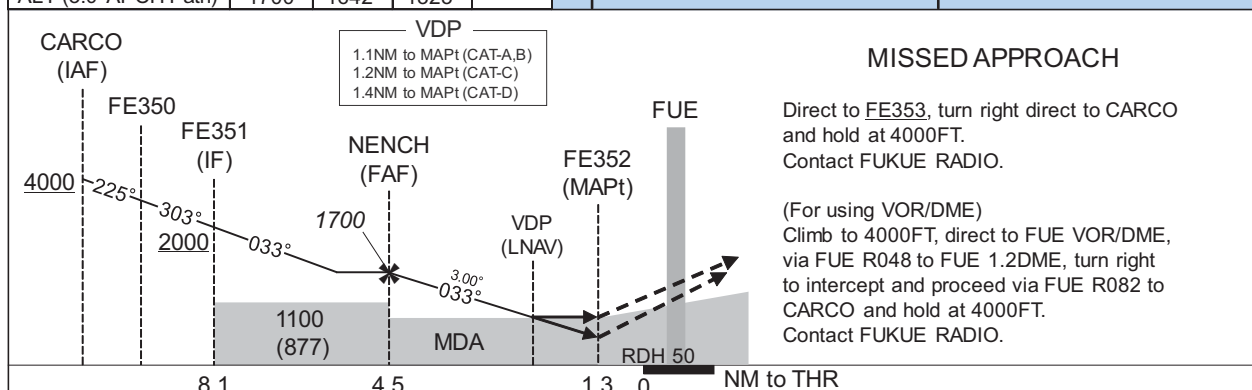
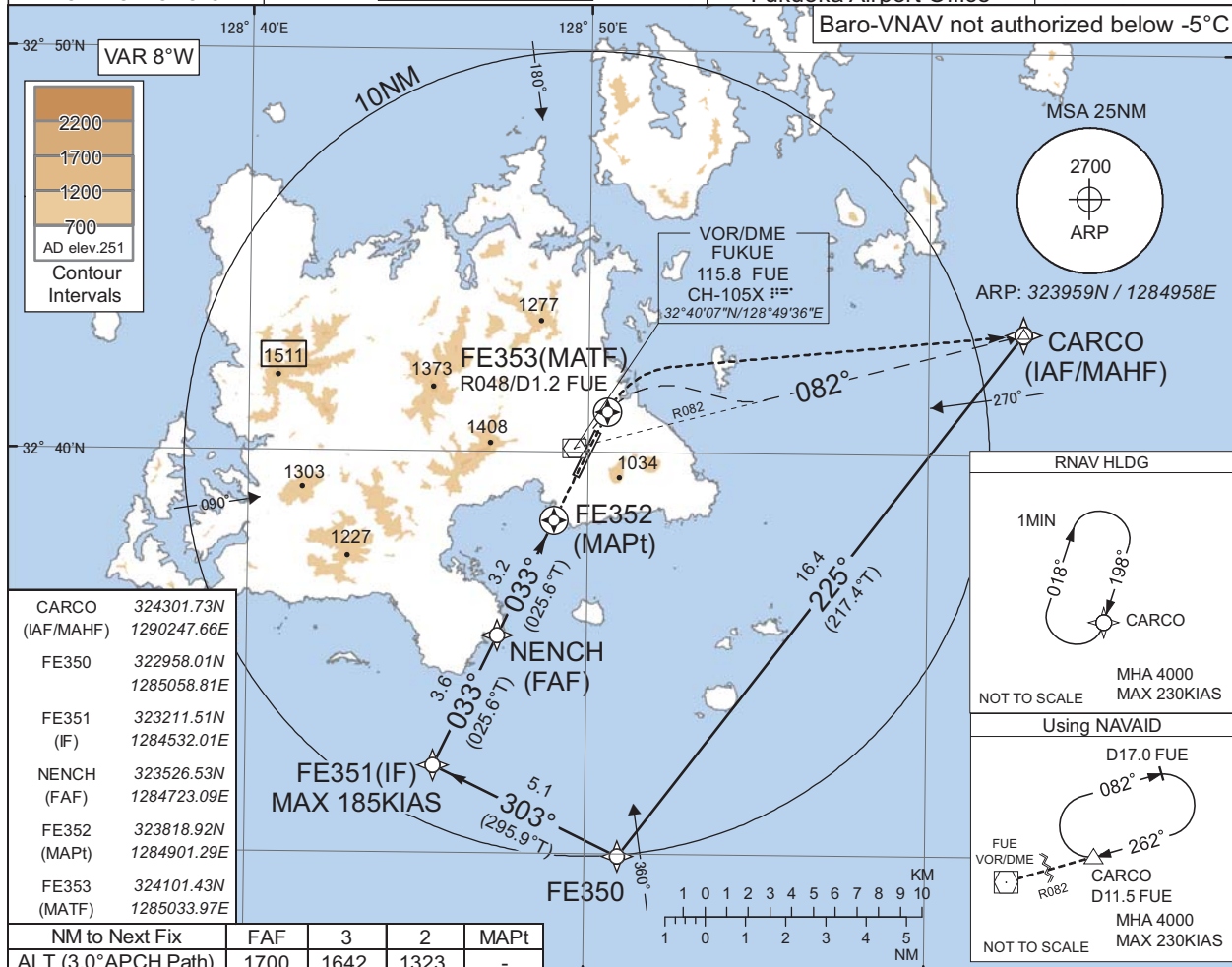


INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

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



Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 223 | AD elev. 251 | LNAV/VNAV | | LNAV | | CIRCLING | |
|--------|---------------|--------------|-----------|------|-----------|------|------------|------|
| CAT | 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

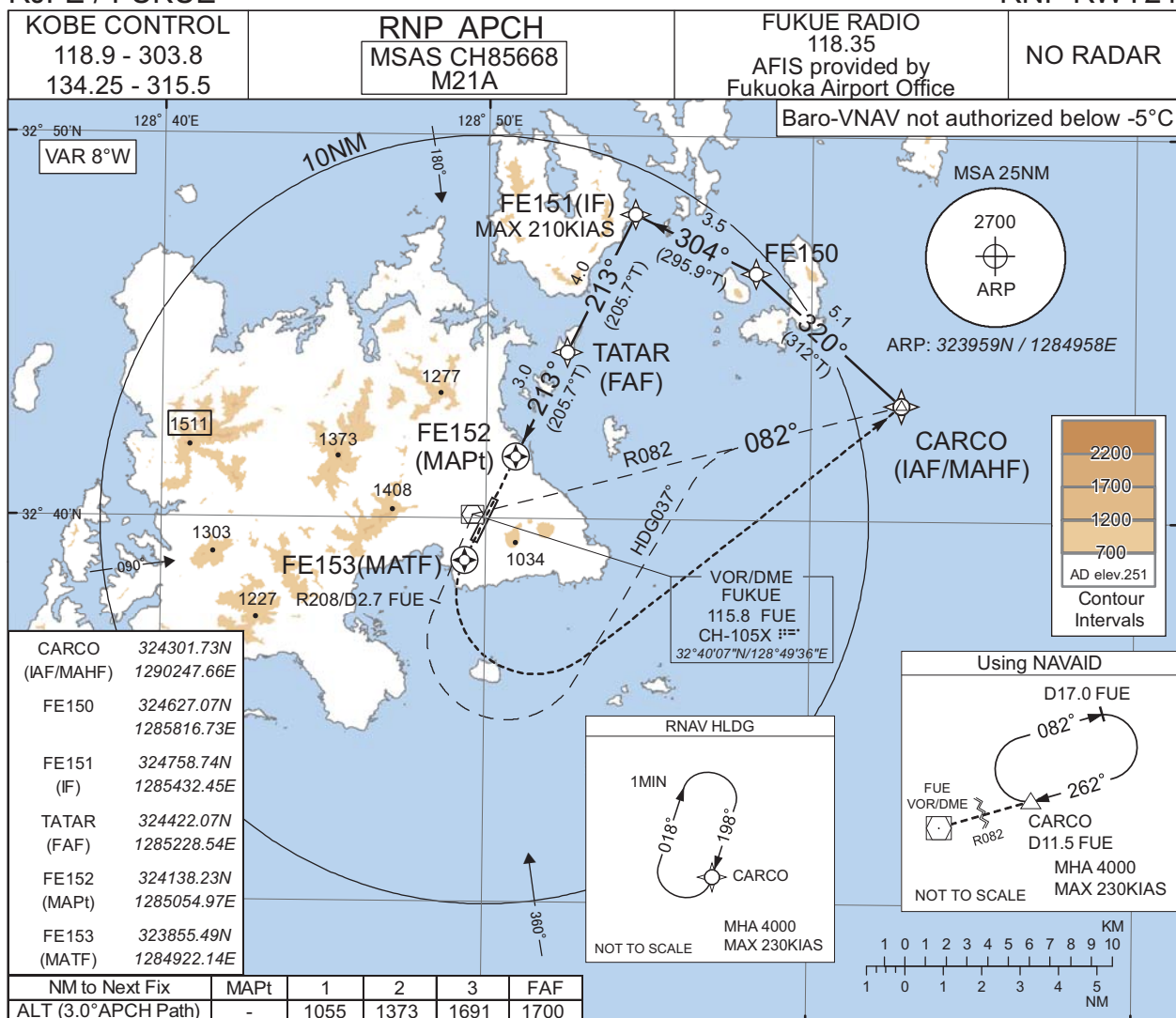
| | |
|----------------------------|------|
| LTP/FTP orthometric height | 67.7 |
|----------------------------|------|

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

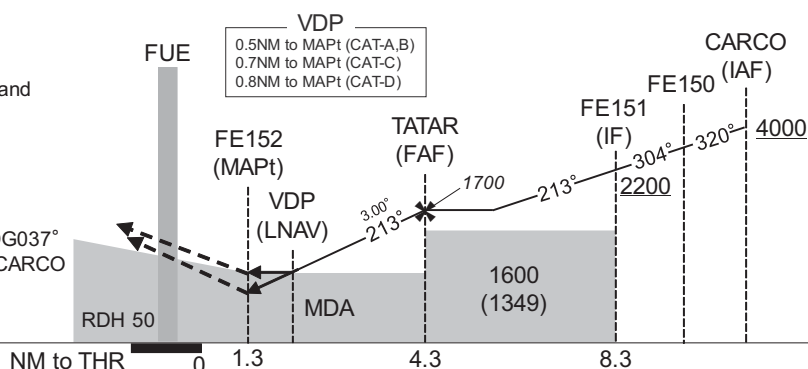
RNP RWY21



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) | | 930(657) | 1400 | 930(679) | 1400 | 1280(1029) | 2400 |
| D | 751(478) | 1600 | 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

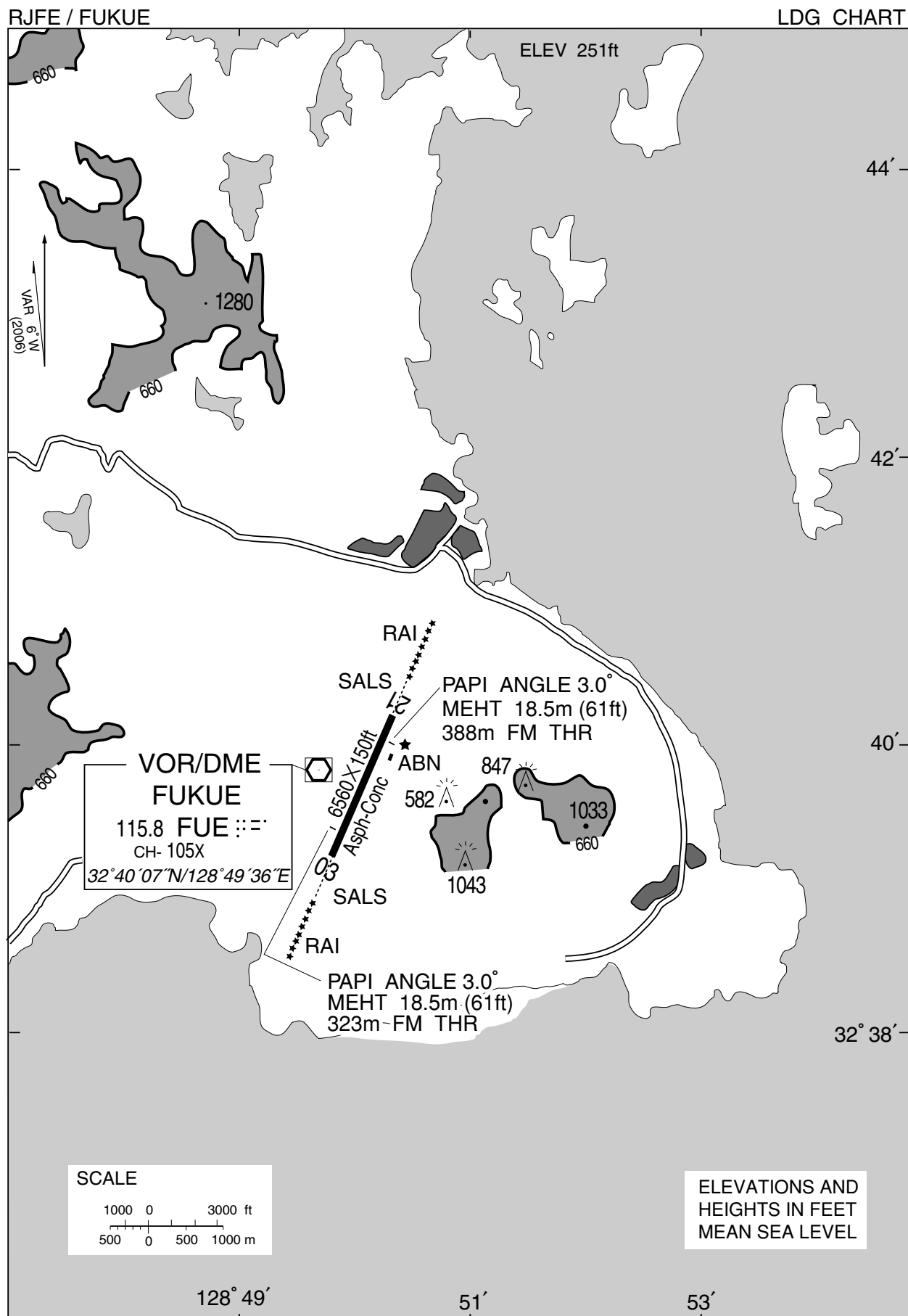
Visual REP



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



RJFE / FUKUE

Minimum Vectoring Altitude CHART

CHANGE : Shape of segment.



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