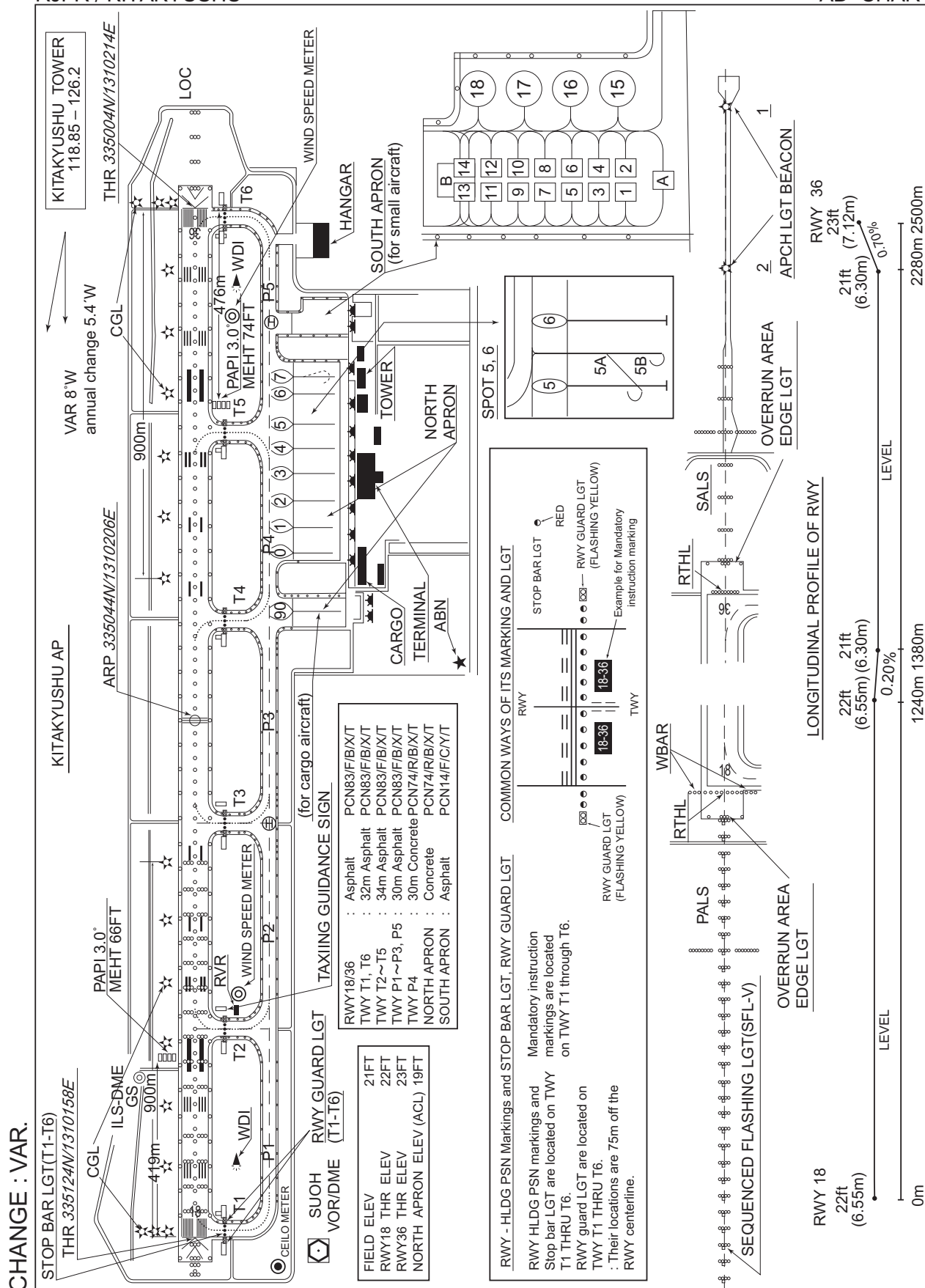


AD CHART



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.

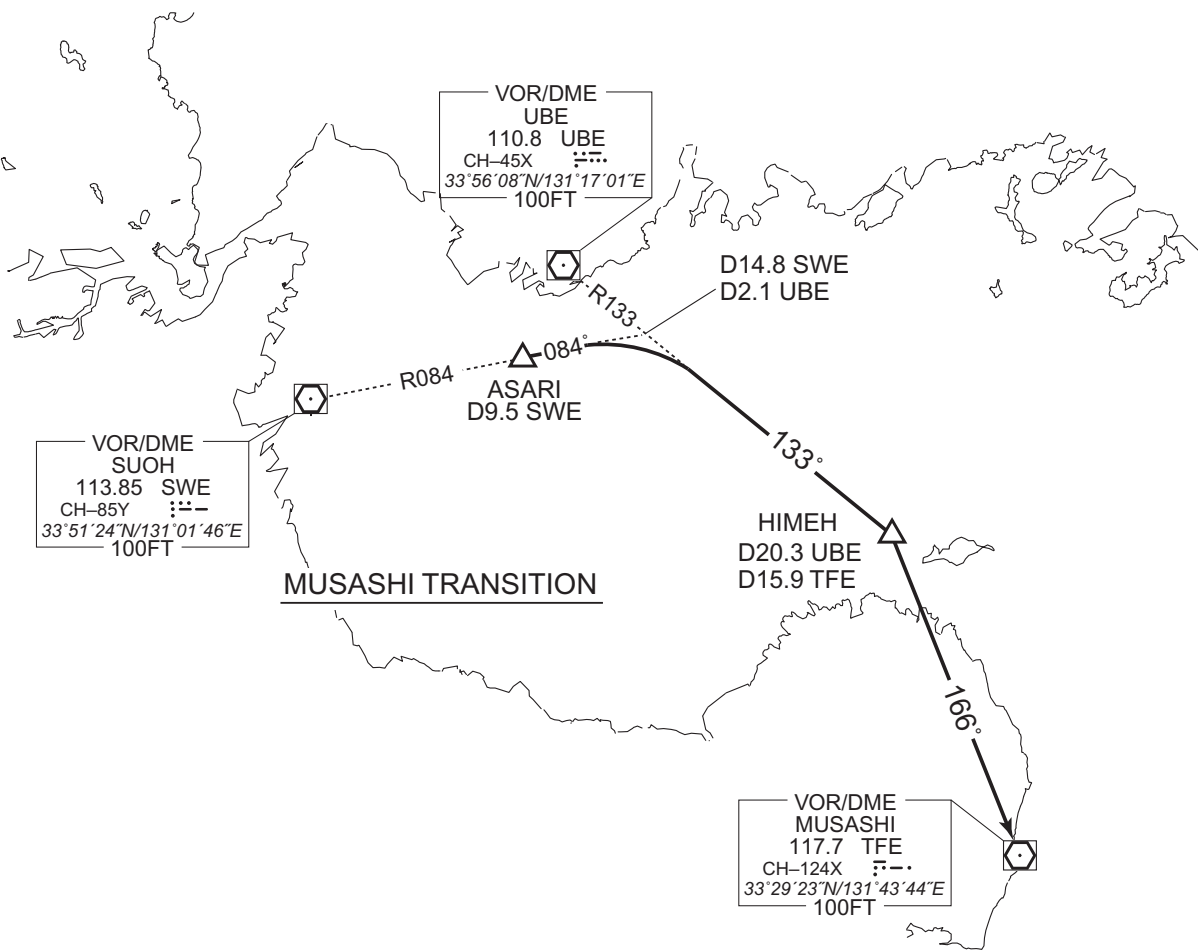
STANDARD DEPARTURE CHART - INSTRUMENT

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.

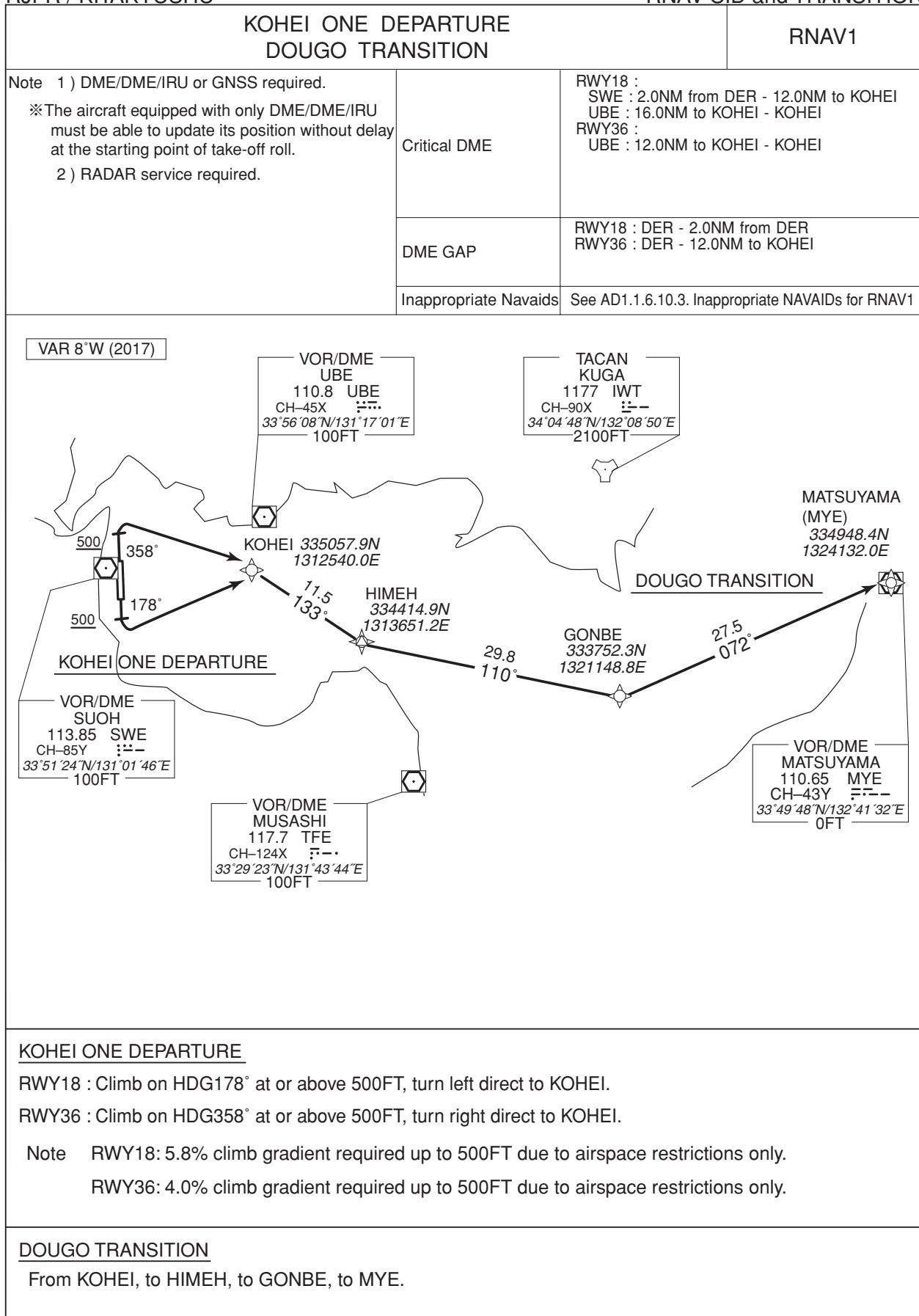


CHANGE : PROC renamed. Radial FM SWE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

RNAV SID and TRANSITION



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 (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 (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 (125.8) | -7.5 | 11.5 | — | — | — | — | RNAV1 |
| 003 | TF | GONBE | — | 110 (102.2) | -7.5 | 29.8 | — | — | — | — | RNAV1 |
| 004 | TF | MYE | — | 072 (064.1) | -7.5 | 27.5 | — | — | — | — | RNAV1 |

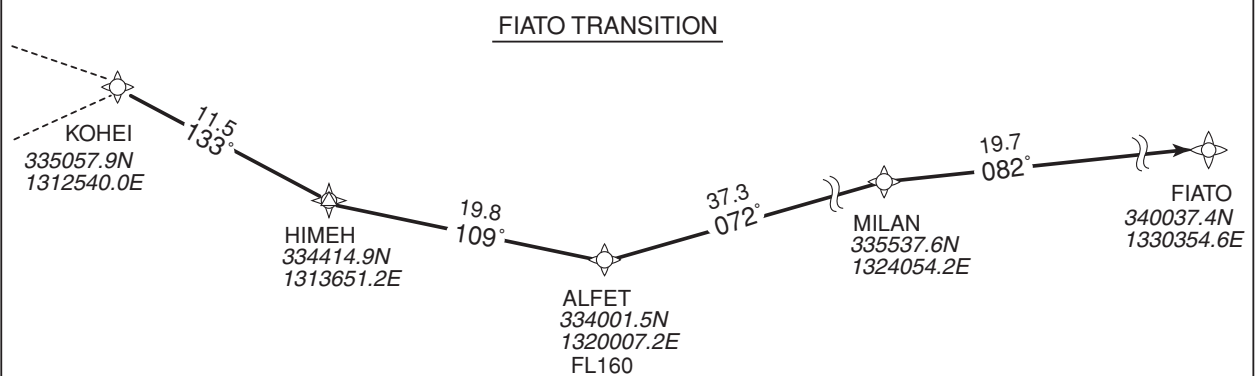
STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

RNAV TRANSITION

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

VAR 8°W (2017)

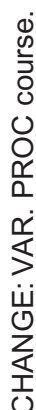
FIATO TRANSITION

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

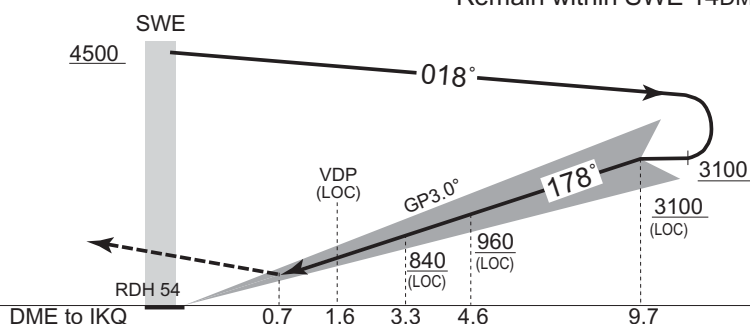
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | KOHEI | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | HIMEH | — | 133 (125.8) | -7.5 | 11.5 | — | — | — | — | RNAV1 |
| 003 | TF | ALFET | — | 109 (102.2) | -7.5 | 19.8 | — | +FL160 | — | — | RNAV1 |
| 004 | TF | MILAN | — | 072 (065.1) | -7.5 | 37.3 | — | — | — | — | RNAV1 |
| 005 | TF | FIATO | — | 082 (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/ CMV | MDA(H) | RVR/ 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

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

RADAR AVBL
CALL
TSUIKI APP

VAR 8°W (2021)

EQPT REQUIRED
DME
VOR

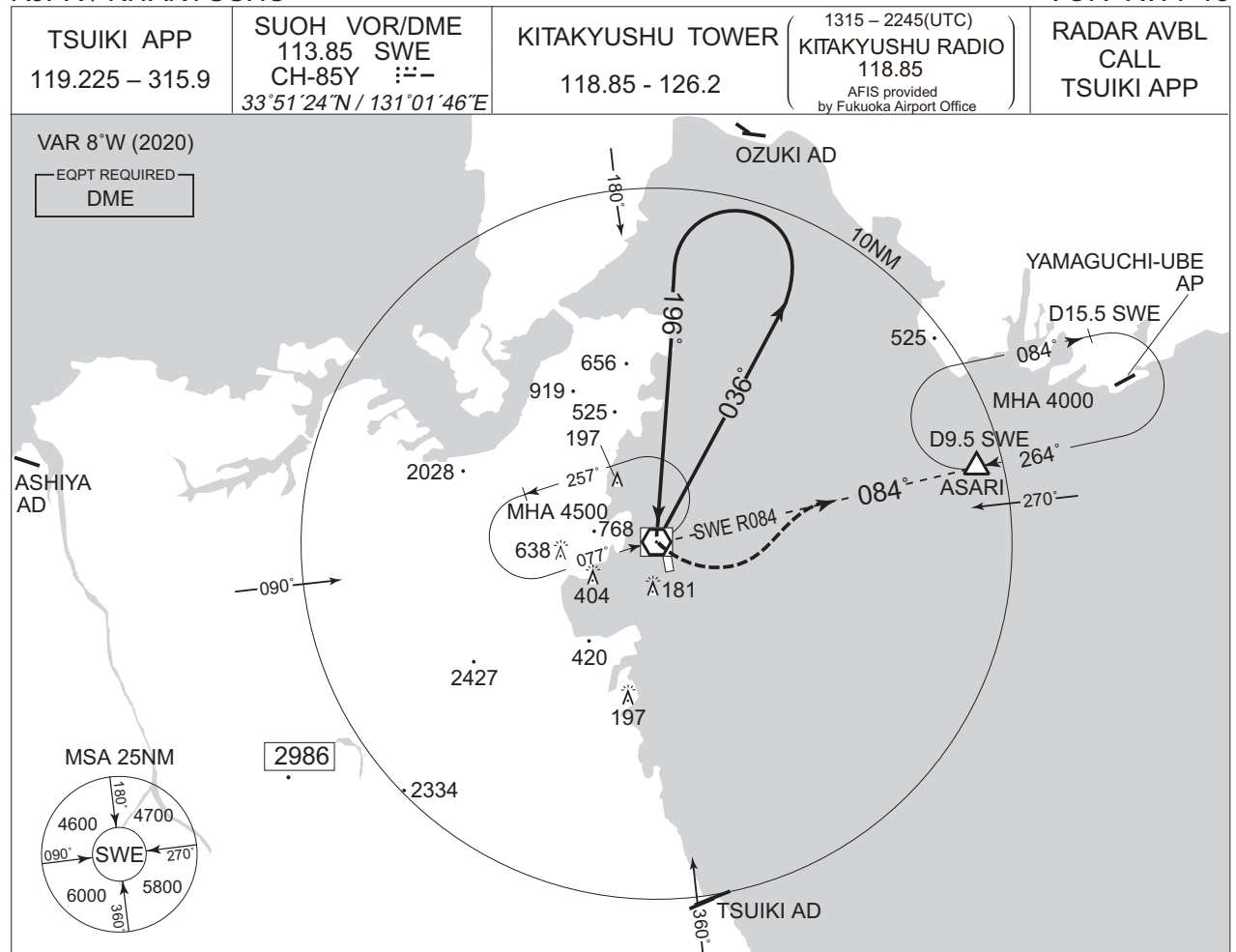
| MINIMA | | THR elev. 22 | AD elev. 21 | |
|--------|-----------|--------------|-------------|-----------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 500 (479) | 1000 | 500 (479) | 1600 |
| B | | 1200 | | |
| C | | | | 2400 |
| D | | | 1600 | 580 (559) |

CHANGE: VAR. PROC course.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

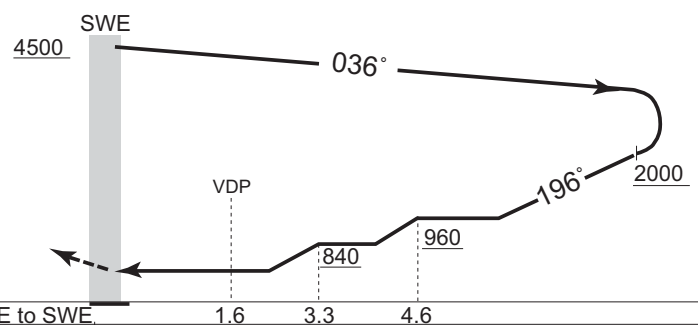
VOR RWY 18



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.

Remain within SWE 10DME



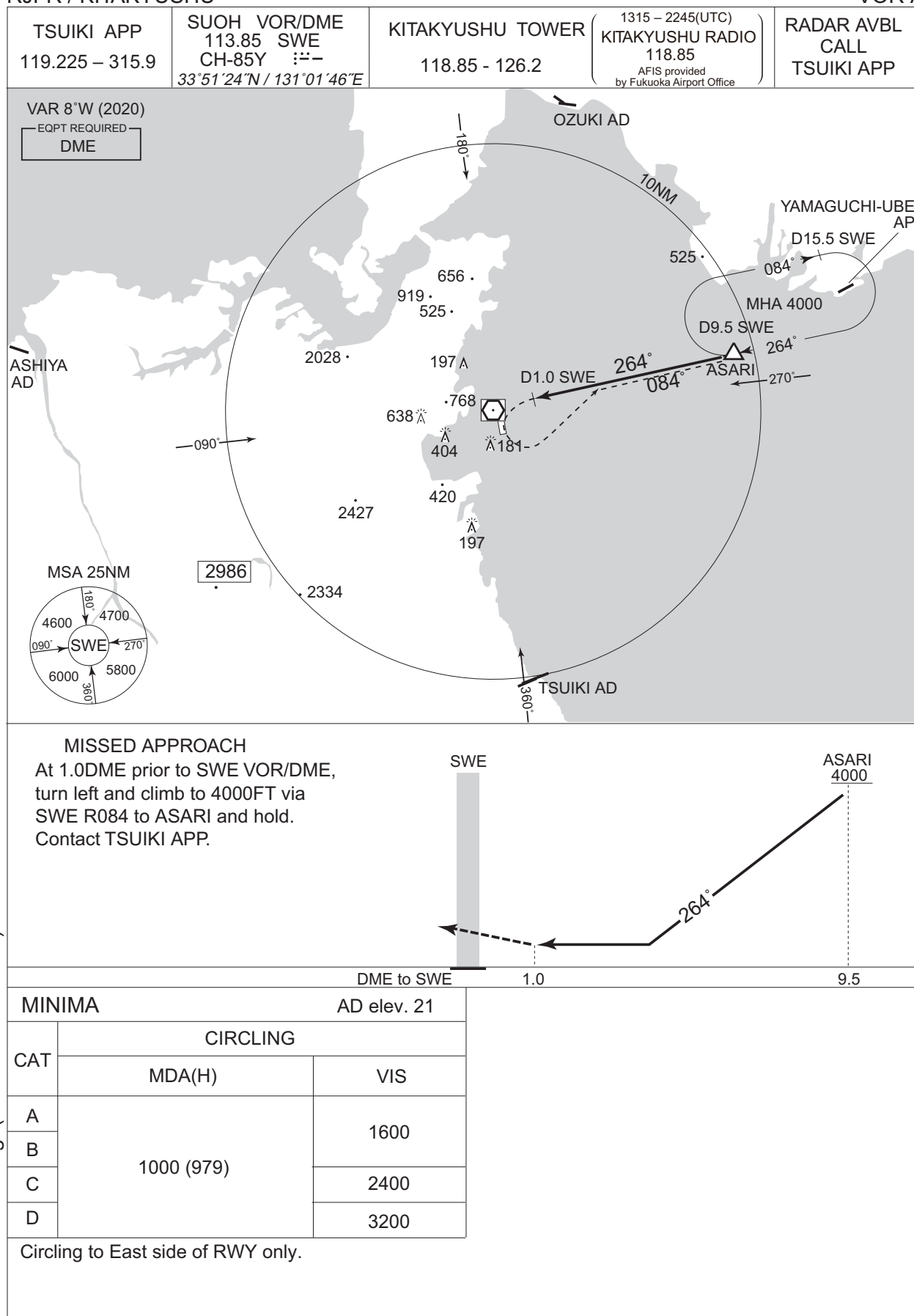
| MINIMA | | THR elev. 22 | AD elev. 21 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 500 (479) | 1000 | 500 (479) | 1600 |
| B | | 1200 | | 2400 |
| C | | 1600 | | 3200 |
| D | | | | |

Circling to East side of RWY only.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

VOR A



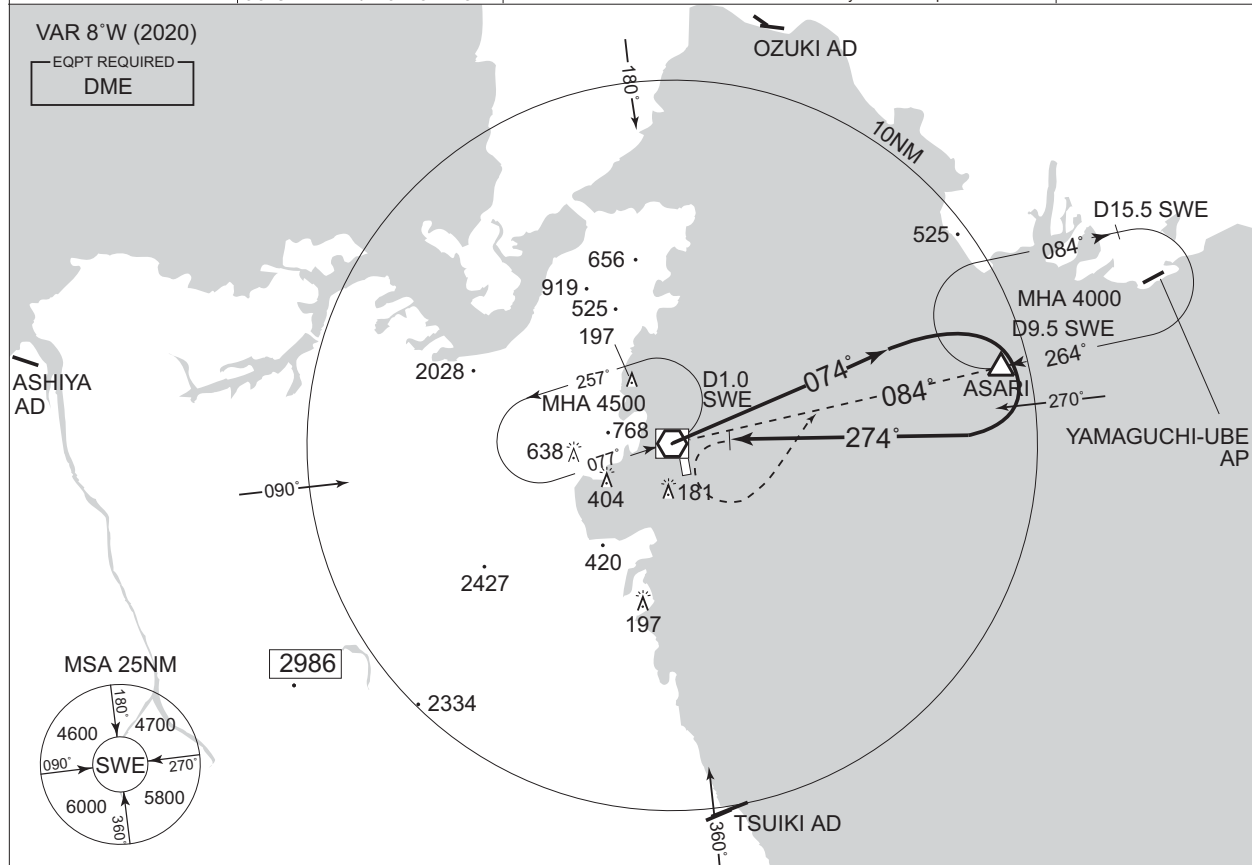
CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

VOR B

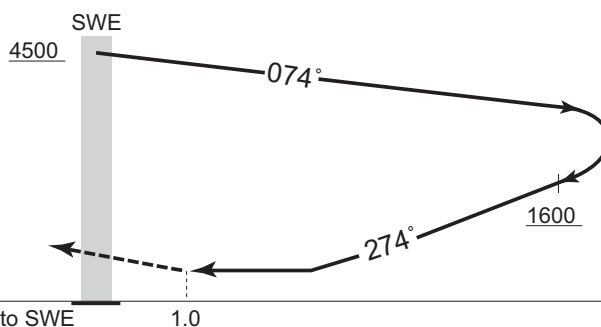
| | | | | |
|-------------------------------|--|------------------------------------|--|----------------------------------|
| TSUIKI APP 119.225 – 315.9 | SUOH VOR/DME 113.85 SWE CH-85Y 33°51'24"N / 131°01'46"E | KITAKYUSHU TOWER 118.85 - 126.2 | 1315 – 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport Office | RADAR AVBL CALL TSUIKI APP |
|-------------------------------|--|------------------------------------|--|----------------------------------|



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

MISSED APPROACH
At 1.0DME prior to SWE VOR/DME,
turn left and climb to 4000FT
via SWE R084 to ASARI and hold.
Contact TSUIKI APP.

Remain within SWE 10DME



| MINIMA | | AD elev. 21 |
|--------|-----------|-------------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 500 (479) | 1600 |
| B | | 2400 |
| C | | 3200 |
| D | 580 (559) | 3200 |

Circling to East side of RWY only.

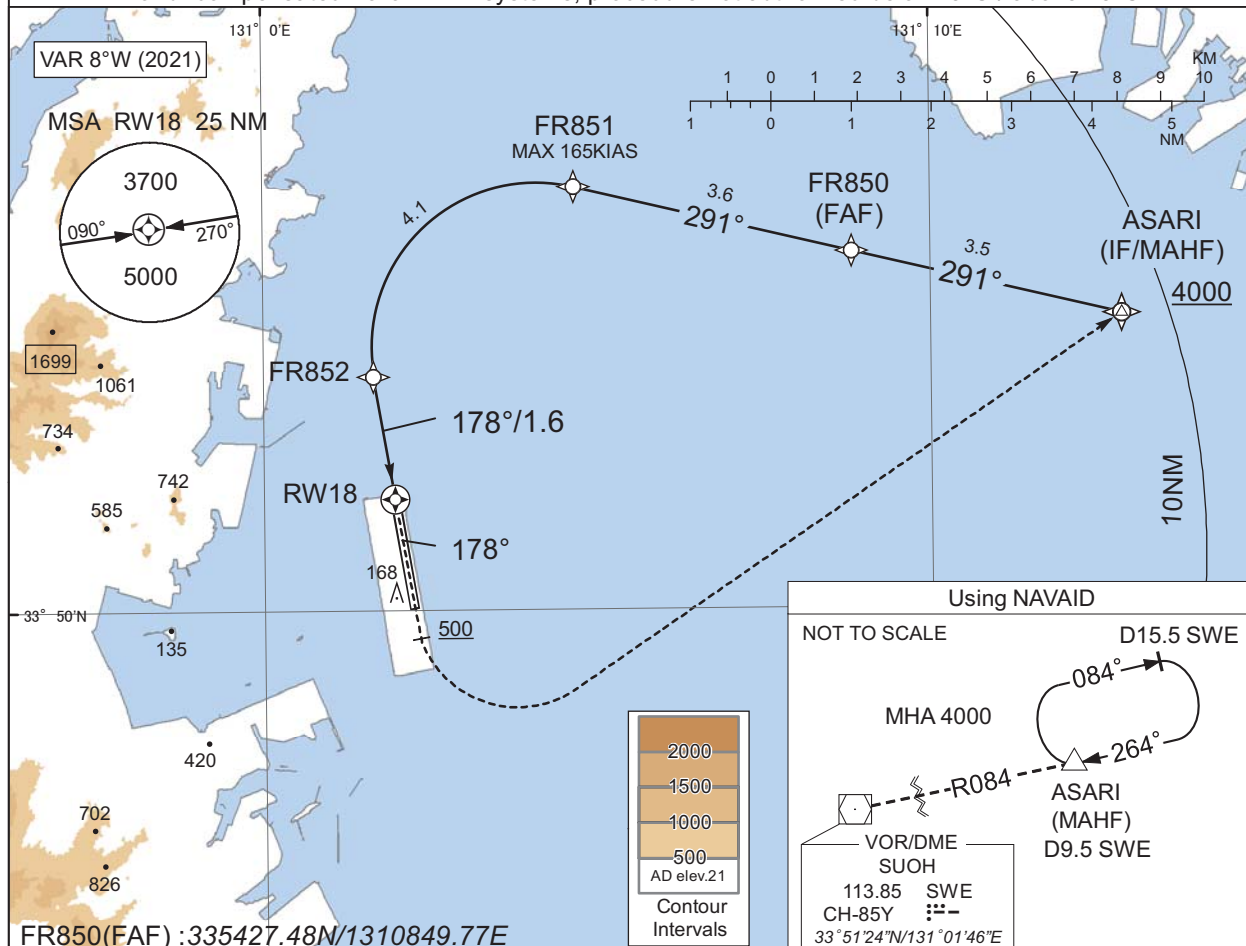
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNP RWY18(AR)

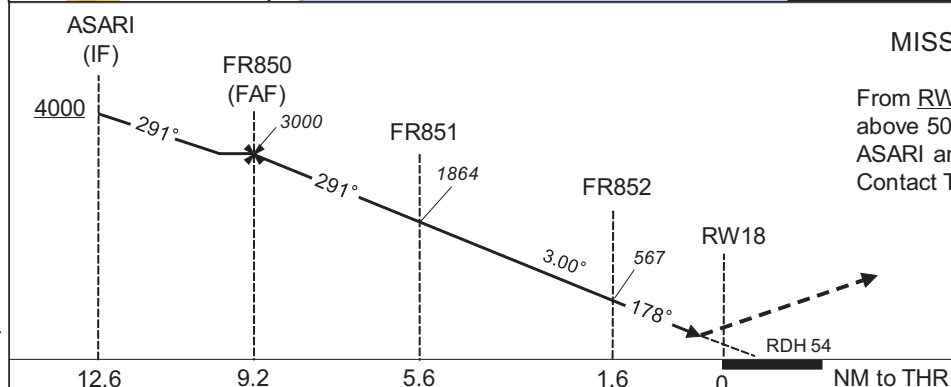
| | | | | |
|-------------------------------|------------------------|------------------------------------|--|----------------------------------|
| TSUIKI APP 119.225 - 315.9 | RNP AR RF required. | KITAKYUSHU TOWER 118.85 - 126.2 | 1315 - 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport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

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



MISSED APPROACH

From RW18 on track 178°, at or above 500FT turn left, direct to ASARI and hold at 4000FT. Contact TSUIKI APP.



Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 22 | AD elev. 21 |
|--------|--------------|-------------|
| CAT | RNP 0.30 | |
| | DA(H) | RVR/CMV |
| A | - | - |
| B | - | - |
| C | 322(300) | 1000 |
| D | | 1400 |

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

Authorization Required

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNP RWY18(AR)

Coding 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

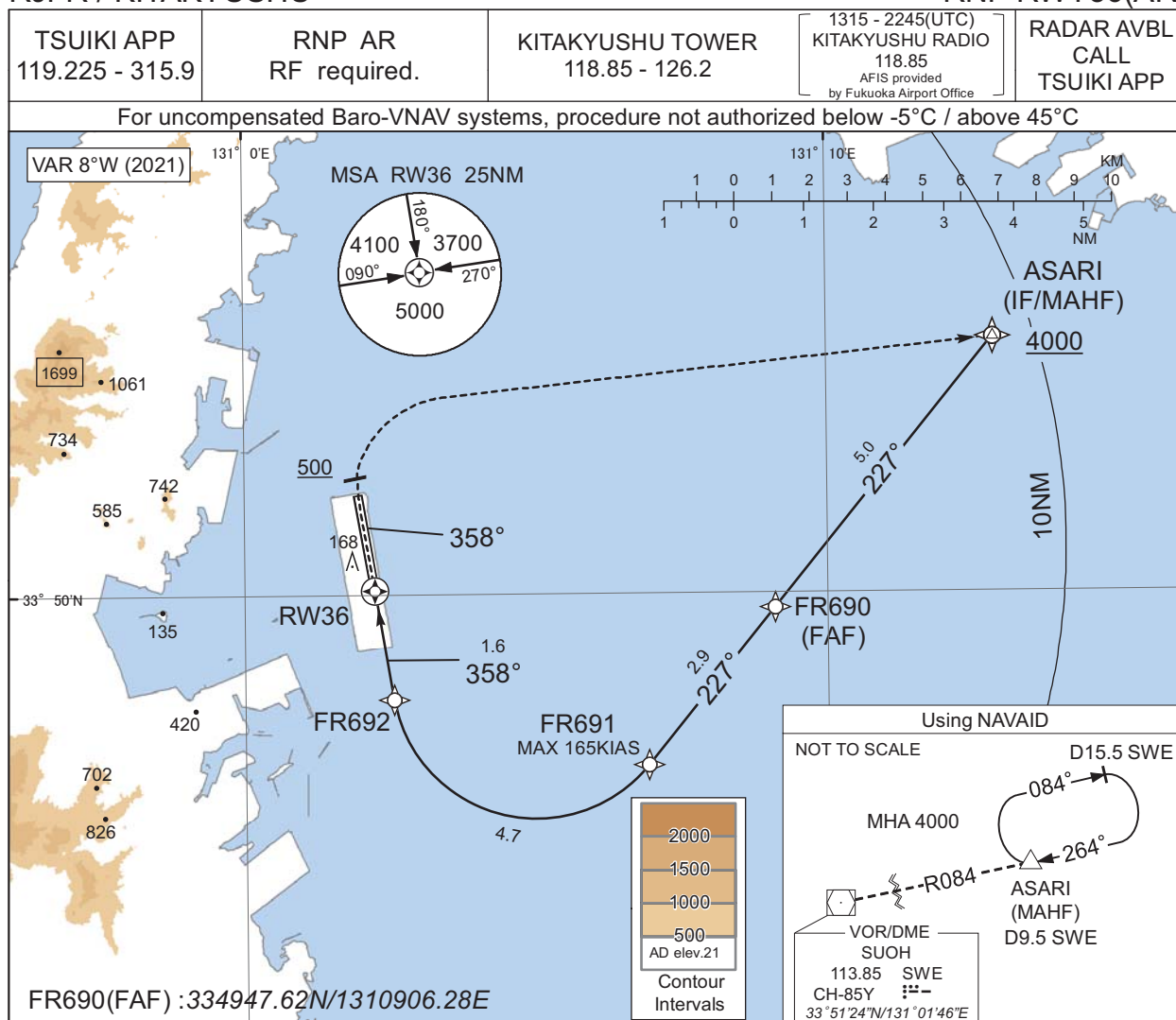
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ASARI | 335338.98N / 1311252.32E | FRRF1 | 335316.61N / 1310405.62E |
| FR850 | 335427.48N / 1310849.77E | | |
| FR851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

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

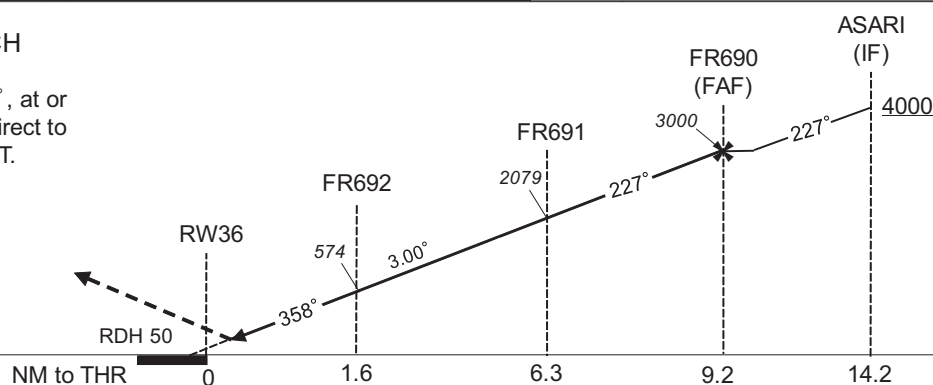
RJFR / KITAKYUSHU

RNP RWY36(AR)



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.

Authorization Required

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNP RWY36(AR)

Coding 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 (219.1) | -7.9 | 5.0 | - | 3000 | - | - | 1.0 |
| 003 | TF | FR691 | - | 227 (219.0) | -7.9 | 2.9 | - | 2079 | -165 | -3.00 | 0.3 |
| 004 | RF Center: FRRF2 r=2.06NM | FR692 | - | - | -7.9 | 4.7 | R | 574 | - | -3.00 | 0.3 |
| 005 | TF | RW36 | Y | 358 (350.4) | -7.9 | 1.6 | - | 73 | - | -3.00/50 | 0.3 |
| 006 | FA | - | - | 358 (350.4) | -7.9 | - | - | +500 | - | - | 1.0 |
| 007 | DF | ASARI | - | - | -7.9 | - | R | 4000 | - | - | 1.0 |

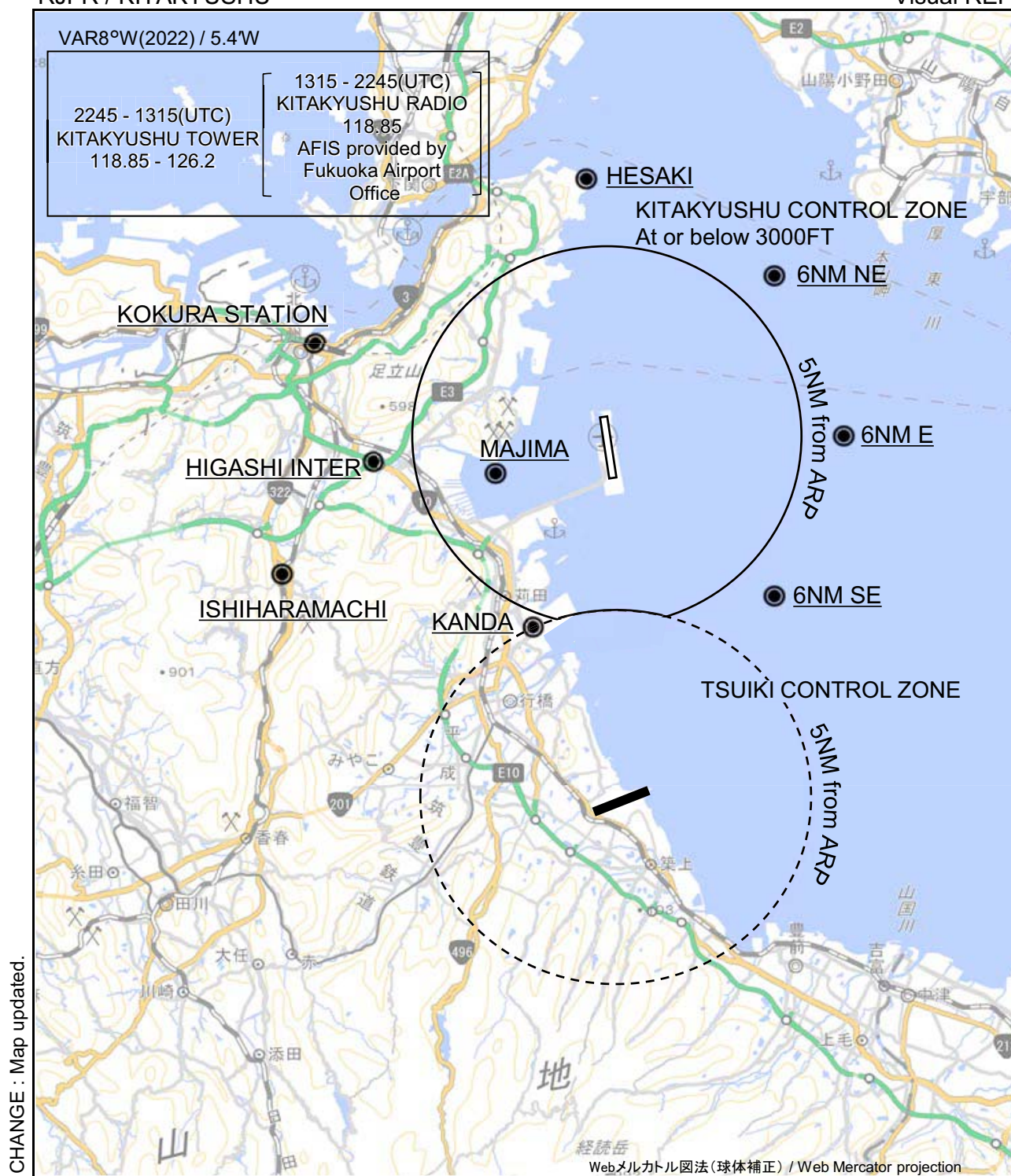
Waypoint Coordinates

| 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 : PROC renamed.

RJFR / KITAKYUSHU

Visual REP



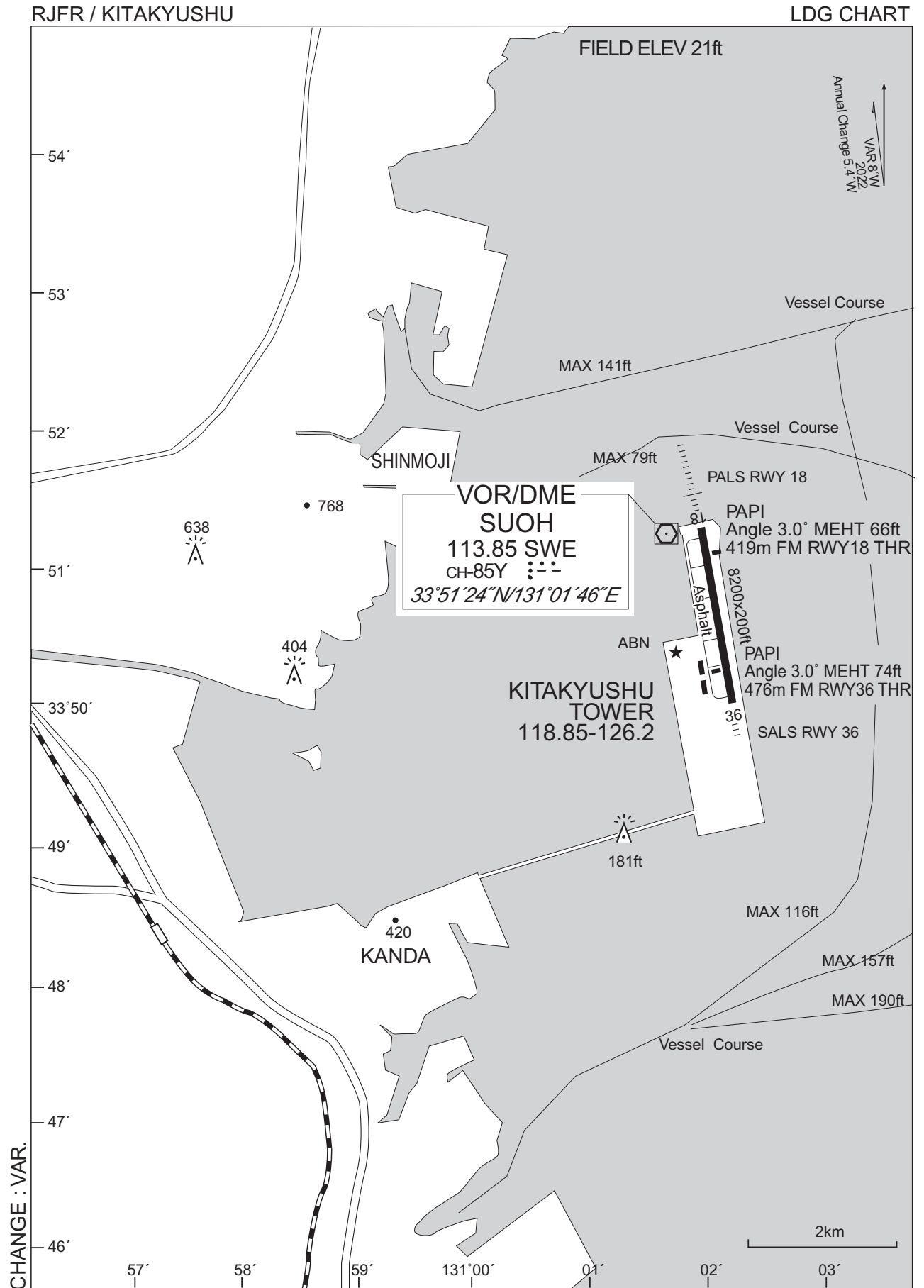
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

RJFR / KITAKYUSHU

Visual REP

| Call sign | BRG / DIST from ARP | Remarks |
|----------------------------|---------------------|---|
| 部崎 Hesaki | 355°T / 6.8NM | 灯台 Lighthouse |
| 6NM NE | 045°T / 6.0NM | 海上 Over the sea |
| 6NM E | 090°T / 6.0NM | 海上 Over the sea |
| 6NM SE | 135°T / 6.0NM | 海上 Over the sea |
| 苅田 Kanda | 202°T / 5.5NM | 日産自動車九州工場 Automobile manufacturing plant |
| 石原町 Ishiharamachi | 247°T / 9.2NM | JR石原町駅 Station |
| 間島 Majima | 252°T / 3.1NM | 島 Island |
| 東インター Higashi Inter | 263°T / 6.2NM | 小倉東I.C.(九州自動車道) Interchange |
| 小倉ステーション Kokura Station | 288°T / 8.0NM | JR小倉駅 Station |

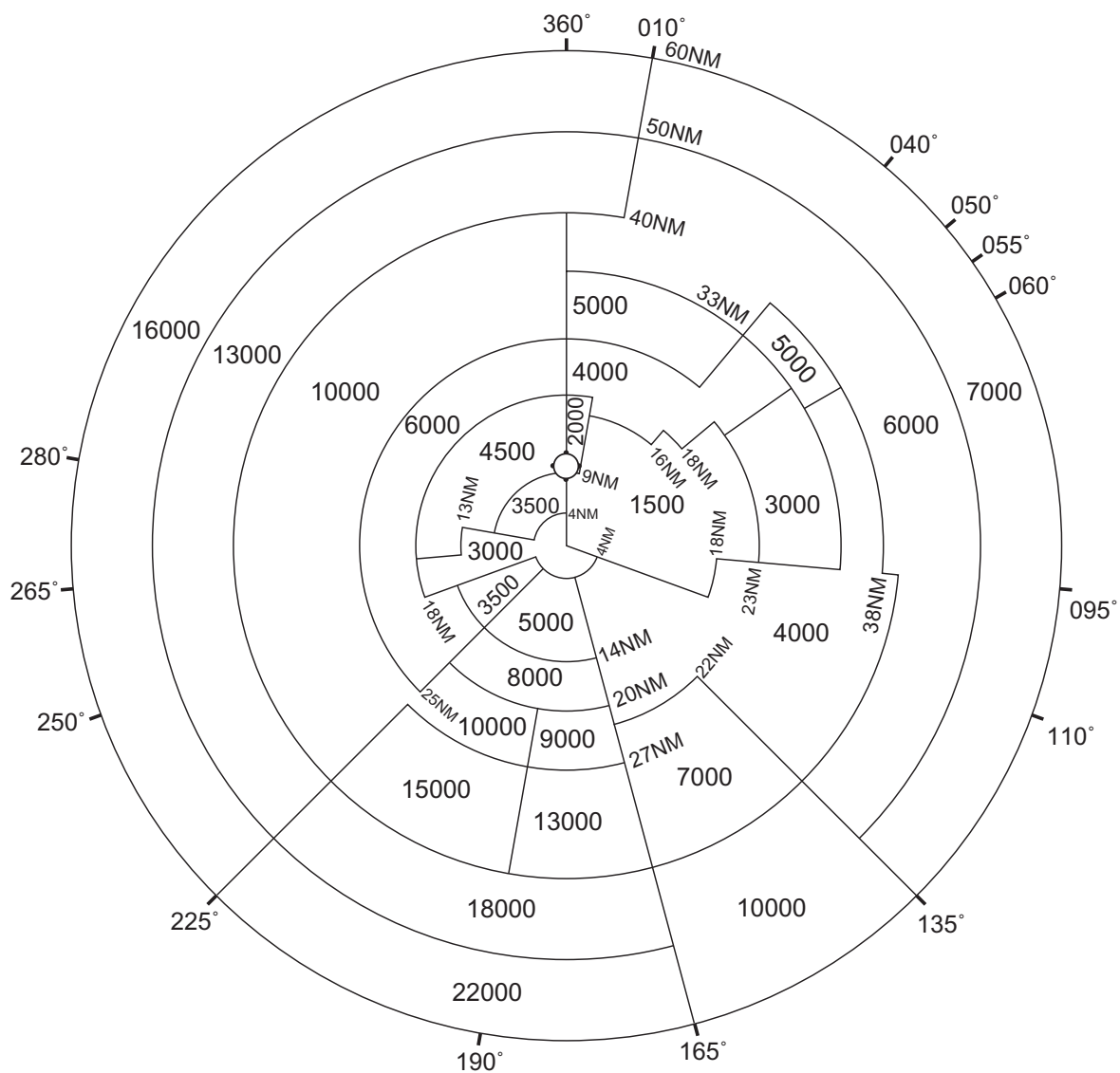
CHANGE : BRG/DIST from ARP. Remarks(Kanda).



RJFR / KITAKYUSHU

Minimum Vectoring Altitude CHART

VAR 8°W (2022)



CHANGE : VAR.