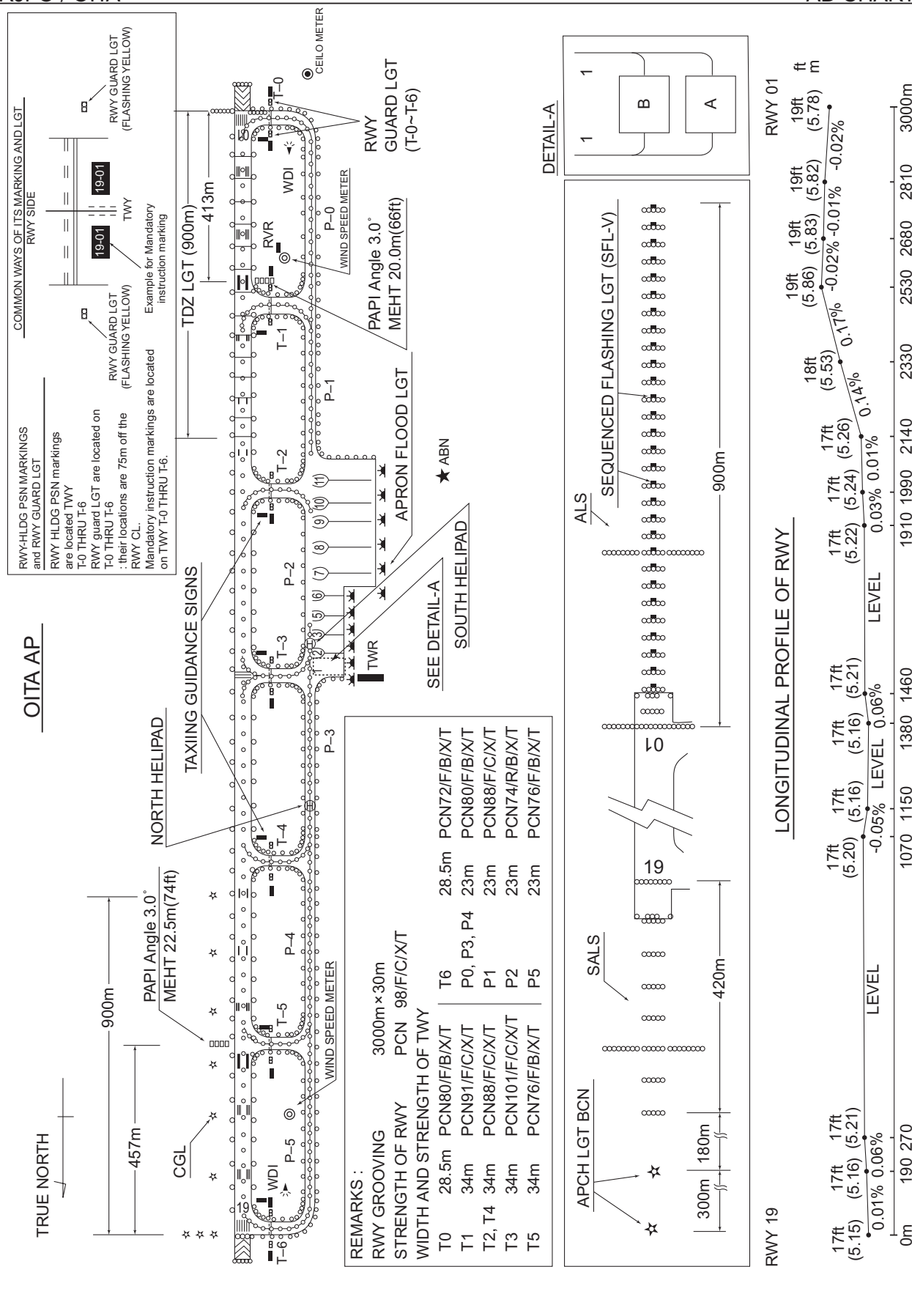


OITA AP



AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 7°17' W-APR 2016



AERODROME OBSTACLE CHART-ICAO  
TYPE B

STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

SID

MUSASHI REVERSAL TWO DEPARTURE

RWY01 : Climb RWY HDG to 500FT, turn right HDG177° to intercept and proceed via  
TFE R132 to TFE 10.0DME,...

RWY19 : Turn left, climb via TFE R132 to TFE 10.0DME,...  
...turn right, direct to TFE VOR/DME.  
Cross TFE VOR/DME at or above 4000FT.

Note RWY01 : 5.0% climb gradient required up to 500FT.

OBST ALT 266FT located at 2.5NM 351° FM end of RWY01.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

| EBOSHI TWO DEPARTURE   |                       | RNAV1  |
|--|-----------------------|--|
| Note 1 ) DME/DME/IRU or GNSS required.<br>※ 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.<br>2 ) RADAR service required. | Critical DME          | —  |
|  | DME GAP               | RWY01 : DER ~ 19NM to YANAI<br>RWY19 : DER ~ 26NM to YANAI |
|  | Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1          |

VAR 7°W (2014)

EBOSHI TWO DEPARTURE

RWY01 : Climb on HDG007° at or above 500FT, turn right direct to YANAI.

RWY19 : Climb on HDG187° at or above 500FT, turn left direct to YANAI.

Note RWY01 : 5.0% climb gradient required up to 500FT.

OBST ALT 266FT located at 2.5NM 351° FM end of RWY01.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

EBOSHI TWO DEPARTURE

## RWY01

| 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              | —                   | —        | 007<br>(000.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | YANAI               | —        | —              | -7.0               | —             | R              | —             | —            | —              | RNAV1                    |

## RWY19

| 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              | —                   | —        | 187<br>(180.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | YANAI               | —        | —              | -7.0               | —             | L              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

| TOYO THREE DEPARTURE  |                       | RNAV1  |
|---|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required.<br>※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.<br>2) RADAR service required. | Critical DME          | —  |
|   | DME GAP               | RWY01 : DER ~ 9NM to TACHI<br>RWY19 : DER ~ 3NM to FO901 |
|   | Inappropriate NavAids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1        |

VAR 7°W (2014)

VOR/DME  
MUSASHI  
117.7 TFE  
CH-124X  
33°29'23"N/131°43'44"E  
100FT

007°

500

TOYO THREE DEPARTURE

500

TACHI  
332524.3N  
1314958.2E

FO901  
332251.1N  
1314410.5E

9.8

197°

13.8

215°

OOITA  
331313.2N  
1314211.7E

4000

TOYO THREE DEPARTURE

RWY01 : Climb on HDG007° at or above 500FT, turn right direct to TACHI,...

 RWY19 : Climb on HDG187° at or above 500FT, direct to FO901,...  
 ...to OOITA at or above 4000FT.

 Note RWY01 : 5.0% climb gradient required up to 500FT.  
 OBST ALT 266FT located at 2.5NM 351° FM end of RWY01.

## STANDARD DEPARTURE CHART- INSTRUMENT

RJFO / OITA

RNAV SID

TOYO THREE DEPARTURE

## RWY01

| 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              | —                   | —        | 007<br>(000.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | TACHI               | —        | —              | -7.0               | —             | R              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OOITA               | —        | 215<br>(208.1) | -7.0               | 13.8          | —              | +4000         | —            | —              | RNAV1                    |

## RWY19

| 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              | —                   | —        | 187<br>(180.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FO901               | —        | —              | -7.0               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | OOITA               | —        | 197<br>(189.8) | -7.0               | 9.8           | —              | +4000         | —            | —              | RNAV1                    |



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV SID

FUSHA ONE DEPARTURE

## RWY01

| 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              | —                   | —        | 007<br>(000.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FUSHA               | —        | —              | -7.0               | —             | R              | —             | —            | —              | RNAV1                    |

## RWY19

| 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              | —                   | —        | 187<br>(180.4) | -7.0               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FUSHA               | —        | —              | -7.0               | —             | L              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV TRANSITION

| DONAR TRANSITION / DOUGO TRANSITION / FIATO TRANSITION<br>SALTY TRANSITION / SPIDE TRANSITION / ASHIZURI TRANSITION |  |  | RNAV1  |
|---|--|--|--|
| Note 1) DME/DME/IRU or GNSS required.<br>2) RADAR service required.   |  |  |  |
| Critical DME  |  |  | —  |
| DME GAP   |  |  | —  |
| Inappropriate Nav aids  |  |  | See AD1.1.6.10.3. Inappropriate NAV AIDs for RNAV1 |
| <div>VAR 7°W (2017)</div>   |  |  |  |
| <u>DONAR TRANSITION</u><br>From FUSHA, to DONAR at or above FL160.  |  |  |  |
| <u>DOUGO TRANSITION</u><br>From FUSHA, to DONAR at or above FL160, to MYE.  |  |  |  |
| <u>FIATO TRANSITION</u><br>From FUSHA, to DONAR at or above FL160, to SALTY, to FIATO.                              |  |  |  |
| <u>SALTY TRANSITION</u><br>From FUSHA, to DONAR at or above FL160, to SALTY.  |  |  |  |
| <u>SPIDE TRANSITION</u><br>From FUSHA, to DONAR at or above FL160, to SPIDE.  |  |  |  |
| <u>ASHIZURI TRANSITION</u><br>From FUSHA, to SUC.   |  |  |  |

CHANGE : Critical DME deleted.

## STANDARD DEPARTURE CHART - INSTRUMENT

## RJFO / OITA

## RNAV TRANSITION

DONAR 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DONAR               | —        | 086<br>(078.7) | -7.4               | 17.8          | —              | +FL160        | —            | —              | 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DONAR               | —        | 086<br>(078.7) | -7.4               | 17.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | MYE                 | —        | 027<br>(019.8) | -7.4               | 30.6          | —              | —             | —            | —              | RNAV1                    |

FIATO 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DONAR               | —        | 086<br>(078.7) | -7.4               | 17.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | SALTY               | —        | 043<br>(036.1) | -7.4               | 37.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | FIATO               | —        | 044<br>(036.3) | -7.4               | 11.8          | —              | —             | —            | —              | RNAV1                    |

SALTY 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DONAR               | —        | 086<br>(078.7) | -7.4               | 17.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | SALTY               | —        | 043<br>(036.1) | -7.4               | 37.3          | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFO / OITA

RNAV TRANSITION

SPIDE 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | DONAR               | —        | 086<br>(078.7) | -7.4               | 17.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | SPIDE               | —        | 061<br>(054.1) | -7.4               | 30.1          | —              | —             | —            | —              | RNAV1                    |

ASHIZURI 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              | FUSHA               | —        | —              | -7.4               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | SUC                 | —        | 134<br>(126.5) | -7.4               | 54.0          | —              | —             | —            | —              | RNAV1                    |

STANDARD ARRIVAL CHART- INSTRUMENT

RJFO / OITA

STAR

JEWEL ARRIVAL

From over DONKO, via TFE R038 to JEWEL.

Cross DONKO at or above 5000FT, cross JEWEL at or above 3000FT.



## STANDARD ARRIVAL CHART- INSTRUMENT

RJFO / OITA

RNAV STAR

KABOS ARRIVAL / BAIEN ARRIVAL  
HOVER ARRIVAL / TANSO ARRIVAL

RNAV1

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 7°W(2017)



## STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR

KABOS ARRIVAL

From YANAI at or above 5000FT, to KABOS at or above 3000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | YANAI               | —        | —              | -7.4               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | KABOS               | —        | 243<br>(236.2) | -7.4               | 9.0           | —              | +3000         | —            | —              | RNAV1                    |

HOVER ARRIVAL

From YANAI at or above 5000FT, to FO161 at or above 3000FT, to SELEN, to METAL, to HOVER at or above 1800FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | YANAI               | —        | —              | -7.4               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | FO161               | —        | 203<br>(196.4) | -7.4               | 7.4           | —              | +3000         | —            | —              | RNAV1                    |
| 003           | TF              | SELEN               | —        | 203<br>(196.4) | -7.4               | 21.9          | —              | —             | -220         | —              | RNAV1                    |
| 004           | TF              | METAL               | —        | 277<br>(270.5) | -7.4               | 3.1           | —              | —             | -220         | —              | RNAV1                    |
| 005           | TF              | HOVER               | —        | 338<br>(330.5) | -7.4               | 2.6           | —              | +1800         | —            | —              | RNAV1                    |



## STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

RNAV STAR

BAIEN ARRIVAL

From YANAI at or above 5000FT, to BAIEN at or above 3000FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | YANAI               | —        | —              | -7.4               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | BAIEN               | —        | 224<br>(217.4) | -7.4               | 11.4          | —              | +3000         | —            | —              | RNAV1                    |

TANSO ARRIVAL

From YANAI at or above 5000FT, to FO162 at or above 3000FT, to TANSO at or above 2400FT.

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | YANAI               | —        | —              | -7.4               | —             | —              | +5000         | —            | —              | RNAV1                    |
| 002           | TF              | FO162               | —        | 206<br>(199.4) | -7.4               | 7.2           | —              | +3000         | —            | —              | RNAV1                    |
| 003           | TF              | TANSO               | —        | 206<br>(199.4) | -7.4               | 12.2          | —              | +2400         | —            | —              | RNAV1                    |

STANDARD ARRIVAL CHART - INSTRUMENT

RJFO / OITA

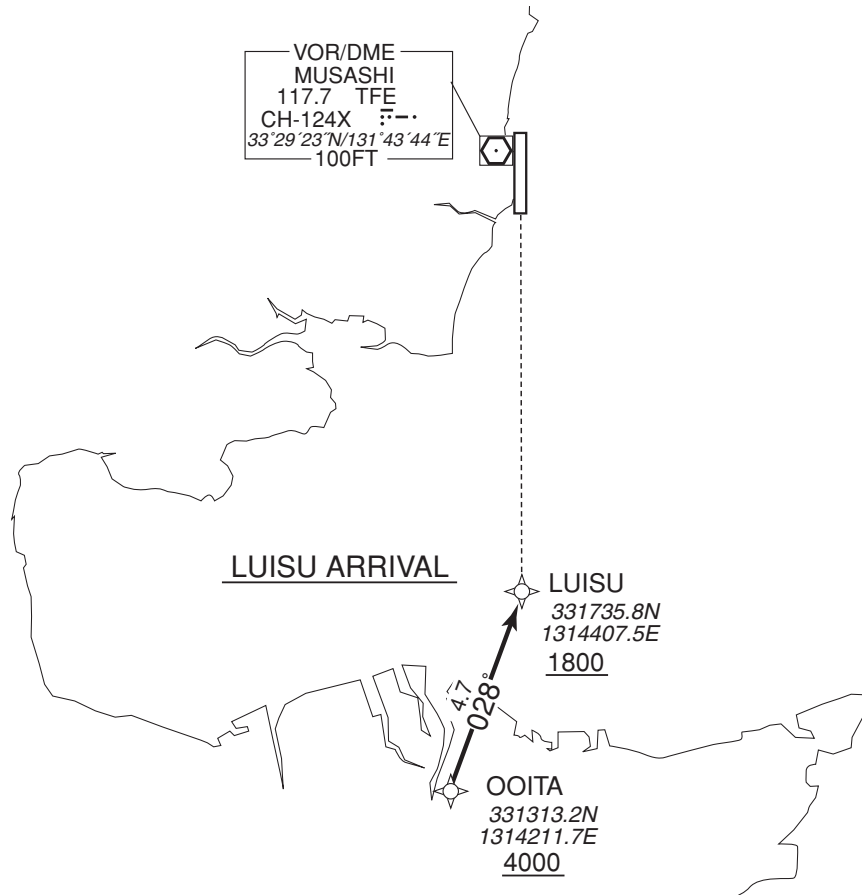
RNAV STAR

LUISU ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.  
2) RADAR service required.

VAR 7°W(2016)

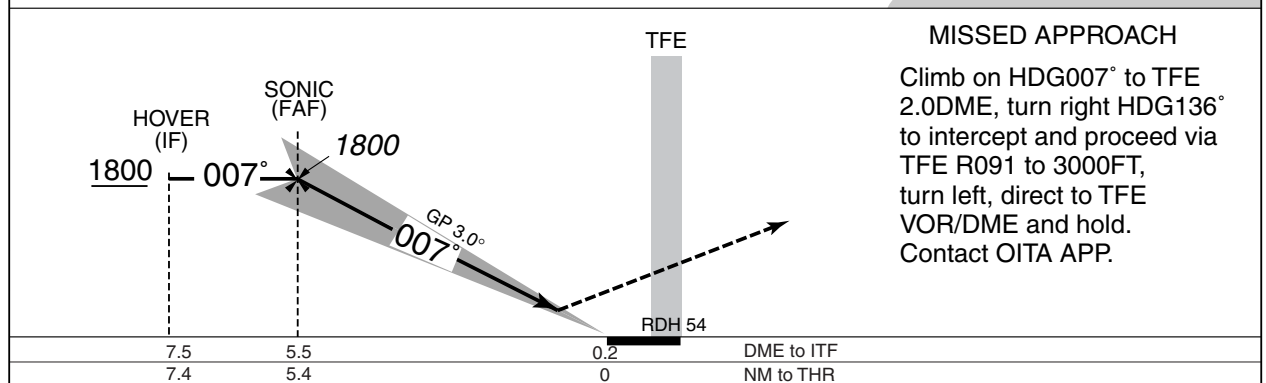
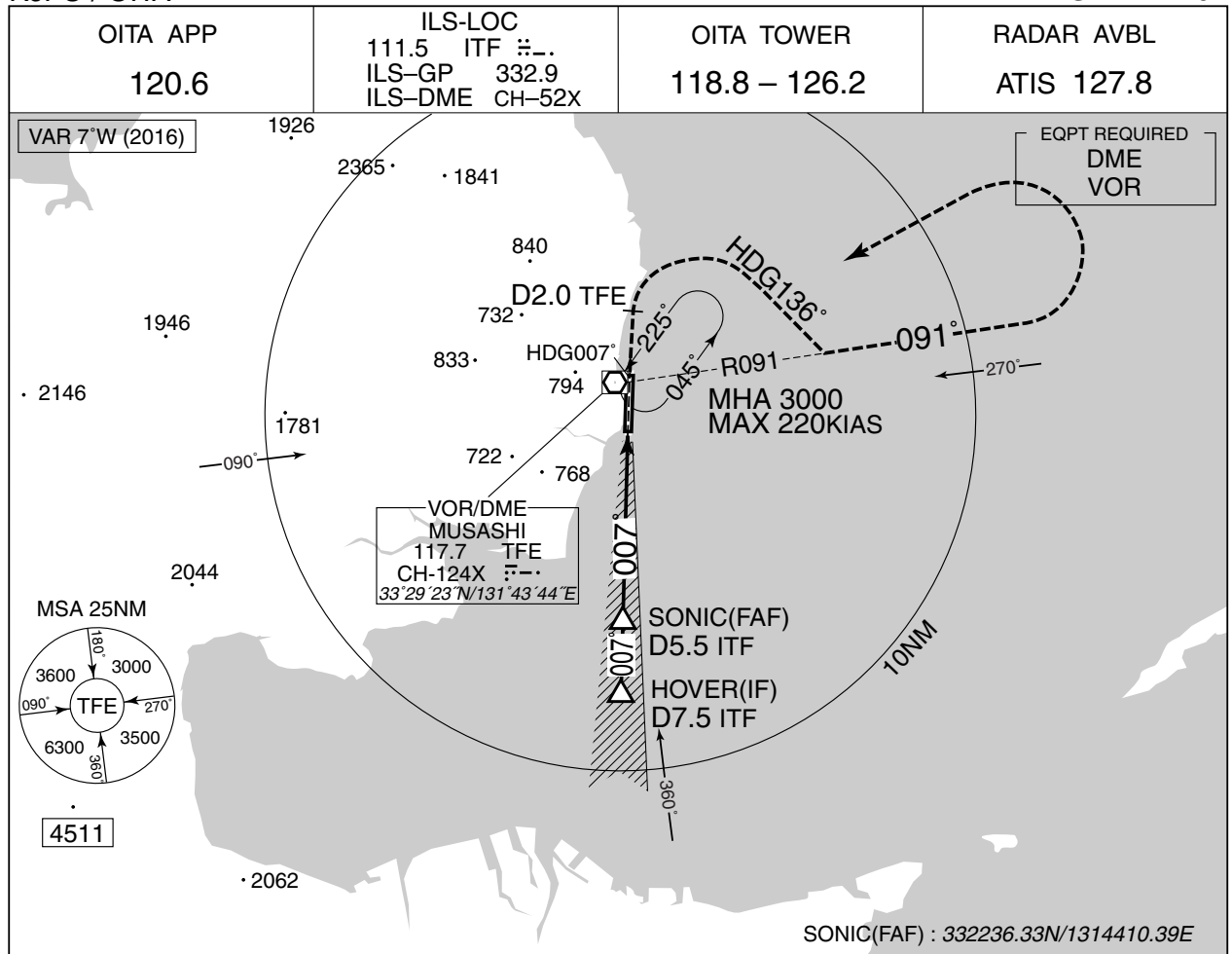


LUISU ARRIVAL

From OOKITA at or above 4000FT, to LUISU at or above 1800FT.

|                       |   |
|-----------------------|---|
| Critical DME          | —   |
| DME GAP               | —   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | OOKITA              | —        | —             | -7.3               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | LUISU               | —        | 028 (020.2)   | -7.3               | 4.7           | —              | +1800         | —            | —              | RNAV1                    |

**INSTRUMENT APPROACH CHART**
**RJFO / OITA**
**ILS Z RWY01**


Missed APCH climb gradient MNM 4.0%.

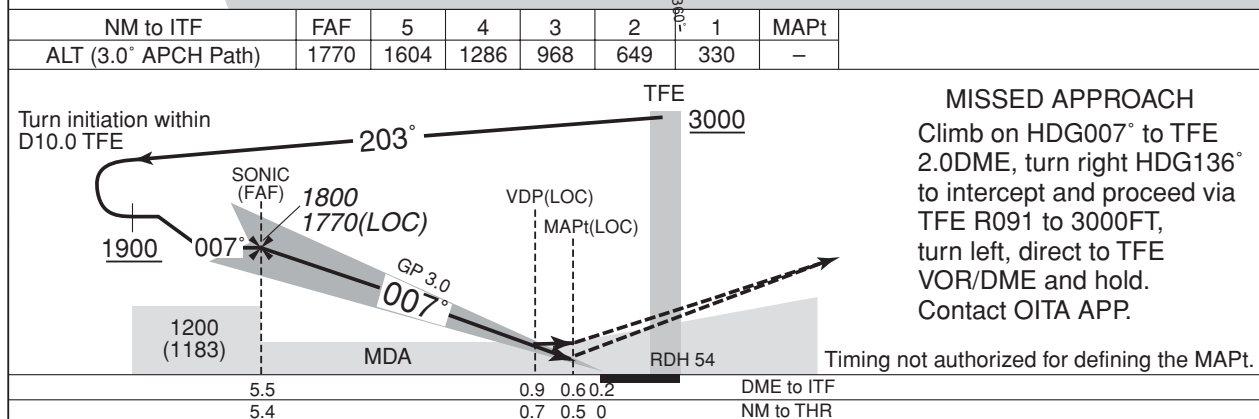
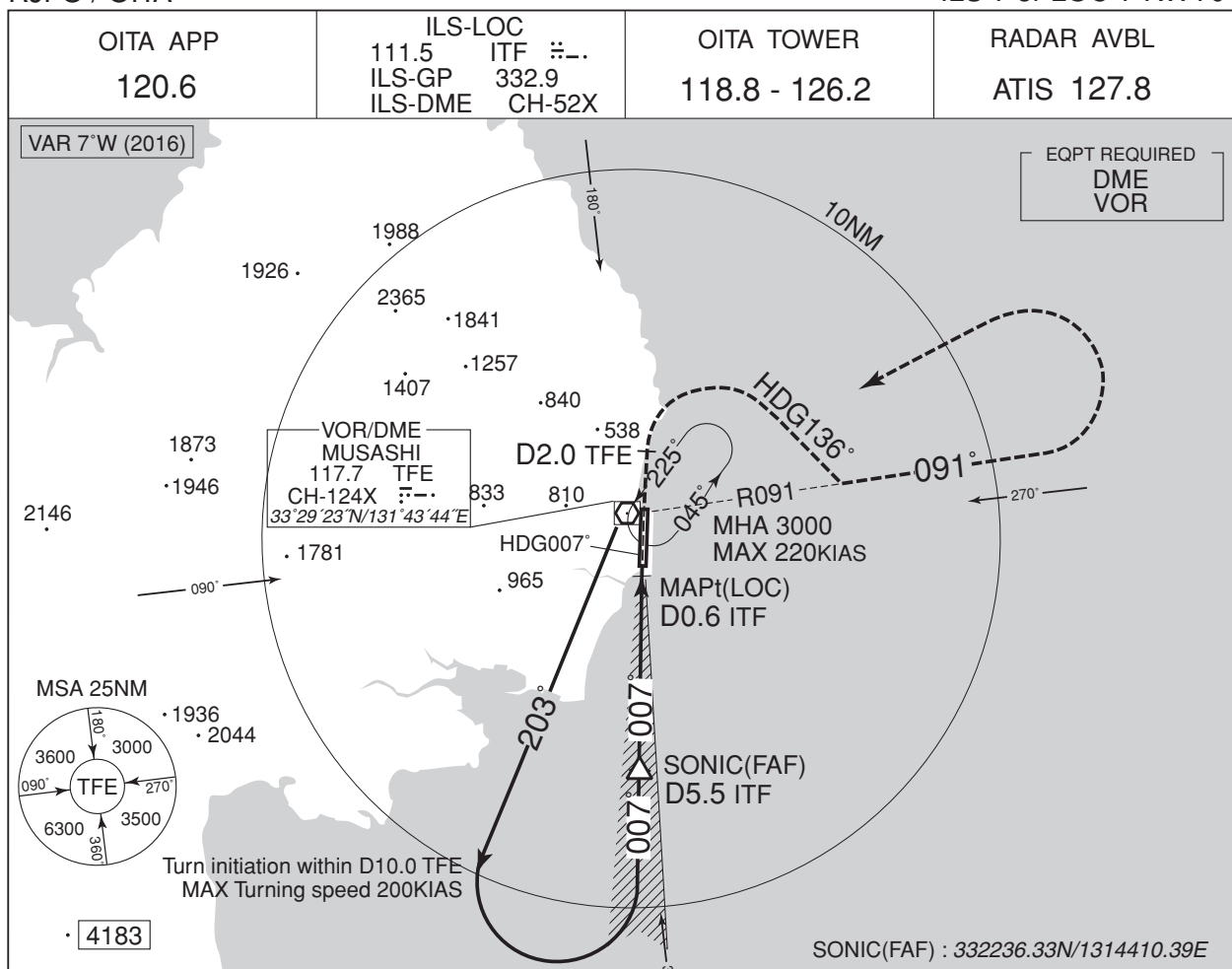
| MINIMA |           | THR elev. 19 | AD elev. 17 |      |
|--------|-----------|--------------|-------------|------|
| CAT    | CAT I     |              | CIRCLING    |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)      | VIS  |
| A      | 219 (200) | 550          | 430 (413)   | 1600 |
| B      |           |              | 470 (453)   |      |
| C      |           |              | 690 (673)   | 2400 |
| D      |           |              | 760 (743)   | 3200 |

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

## INSTRUMENT APPROACH CHART

RJFO / OITA

ILS Y or LOC Y RWY01



Missed APCH climb gradient MNM 4.0%.

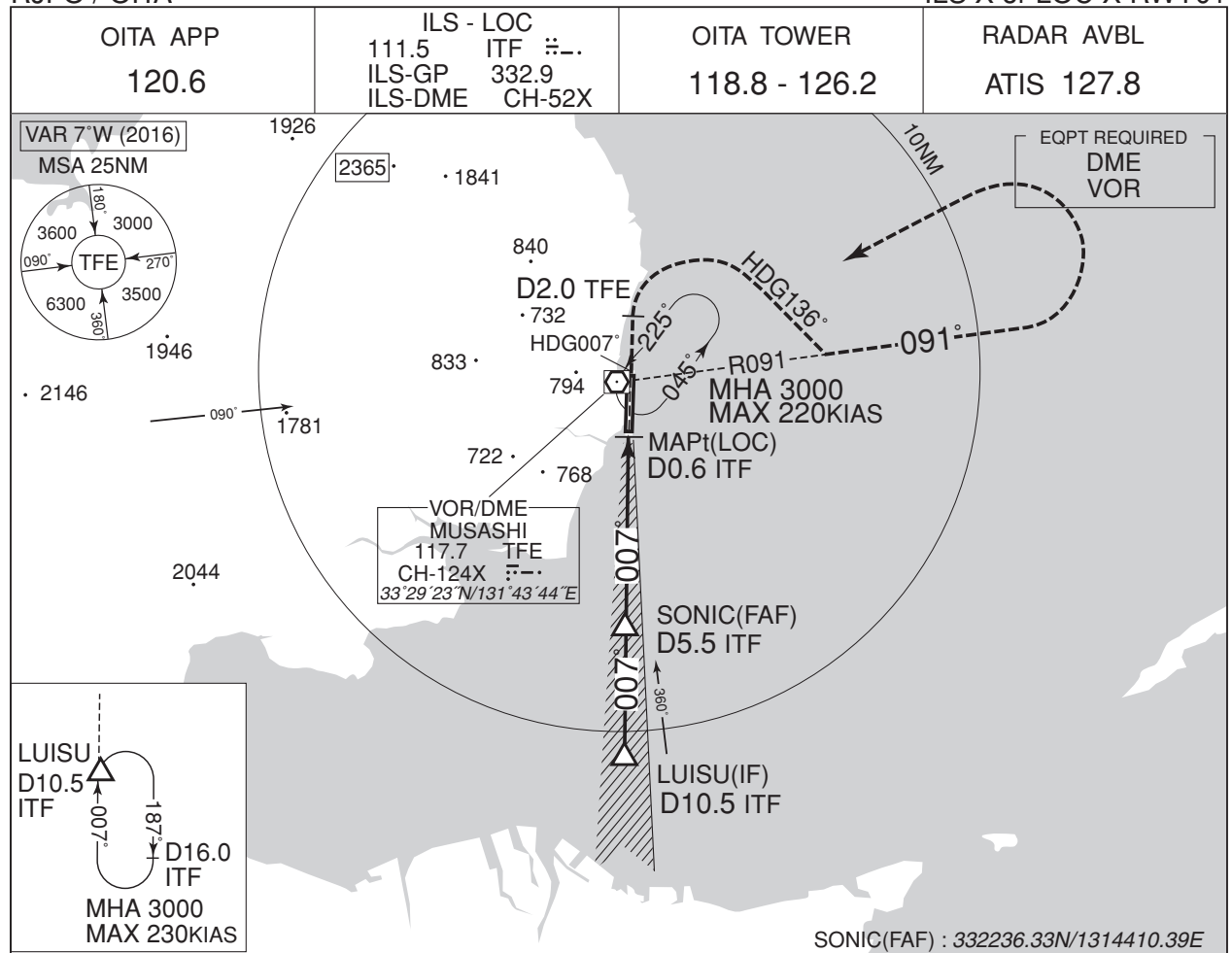
| MINIMA |           | THR elev. 19 |           | AD elev. 17 |            |
|--------|-----------|--------------|-----------|-------------|------------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING   |
|        | DA(H)     | RVR/CMV      | MDA(H)    | RVR/CMV     | MDA(H) VIS |
| A      | 219 (200) | 550          | 300 (283) | 800         | 430 (413)  |
| B      |           |              |           |             | 470 (453)  |
| C      |           |              |           |             | 690 (673)  |
| D      |           |              |           |             | 760 (743)  |

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

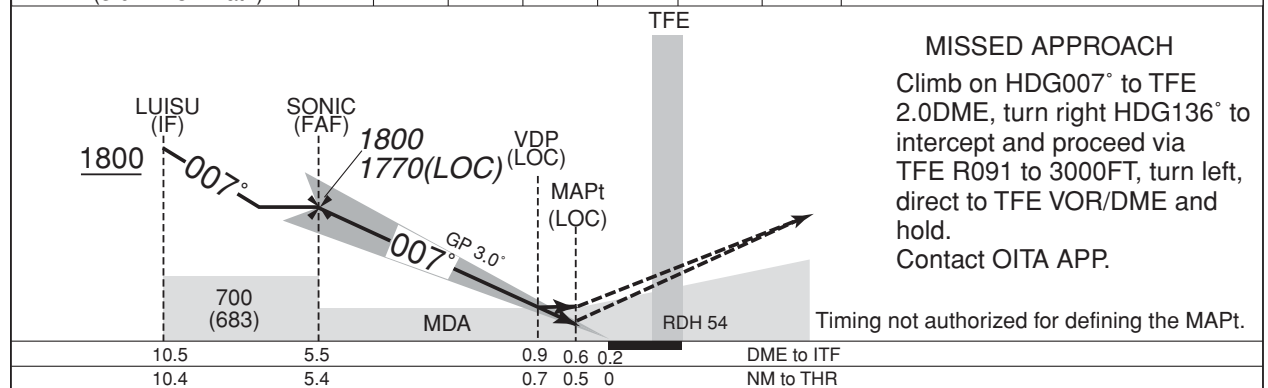
## INSTRUMENT APPROACH CHART

RJFO / OITA

ILS X or LOC X RWY01



| NM to ITF            | FAF  | 5    | 4    | 3   | 2   | 1   | MAPt |
|----------------------|------|------|------|-----|-----|-----|------|
| ALT (3.0° APCH Path) | 1770 | 1604 | 1286 | 968 | 649 | 330 | —    |



Missed APCH climb gradient MNM 4.0%.

MINIMA THR elev. 19 AD elev. 17

| CAT | CAT I     |         | LOC       |         | CIRCLING  |      |
|-----|-----------|---------|-----------|---------|-----------|------|
|     | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A   | 219 (200) | 550     | 300 (283) | 800     | 430 (413) | 1600 |
| B   |           |         |           |         | 470 (453) |      |
| C   |           |         |           |         | 690 (673) |      |
| D   |           |         |           | 1200    | 760 (743) | 3200 |

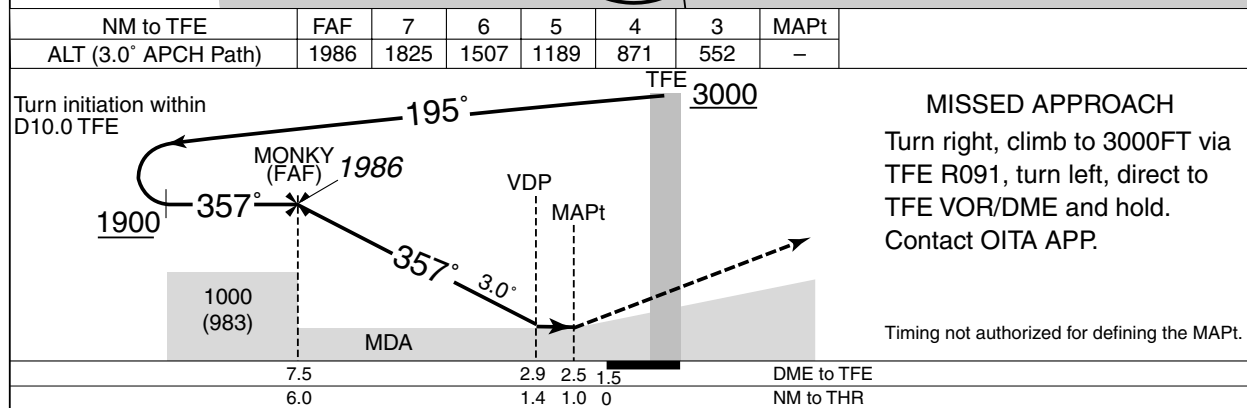
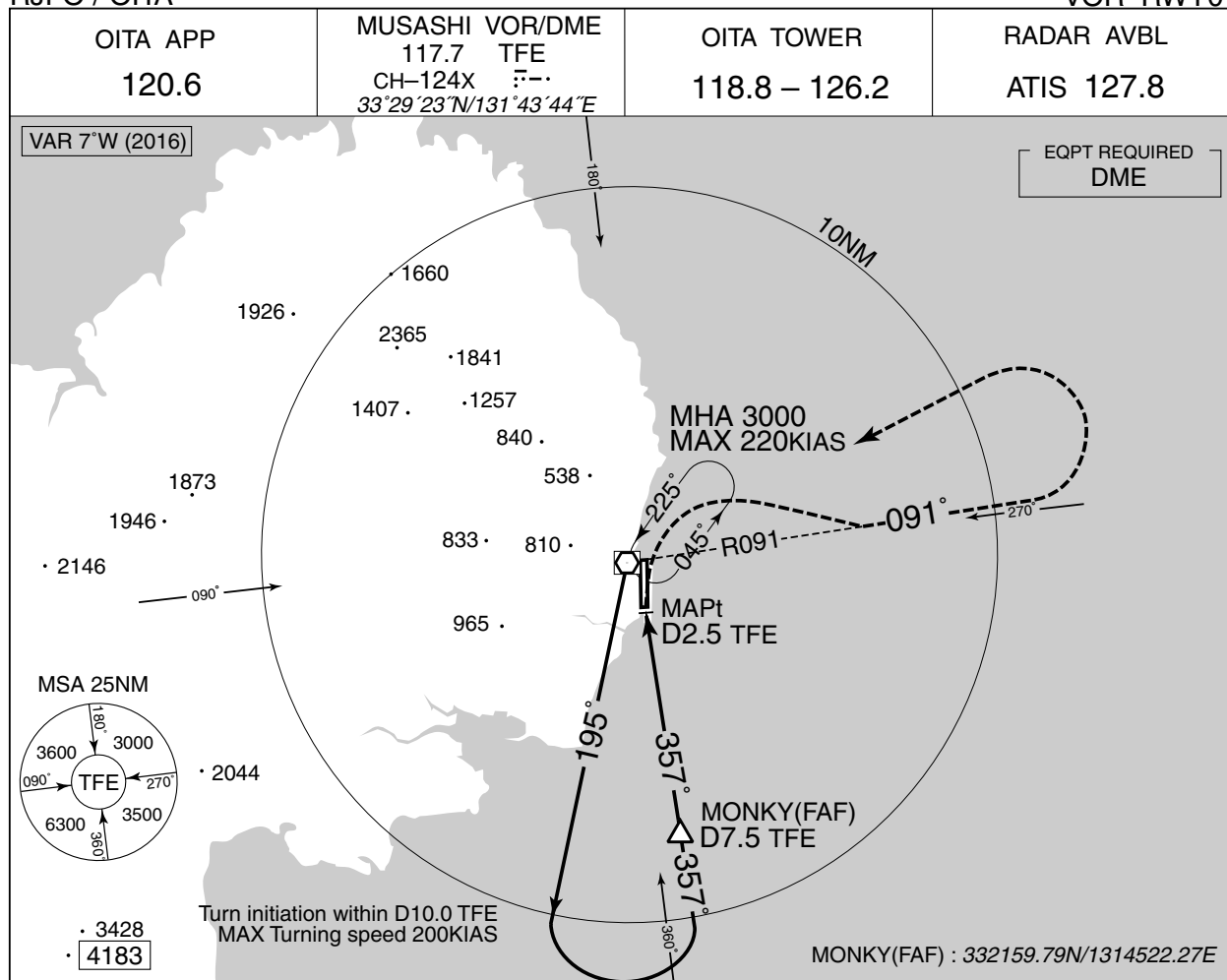
MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circling to EAST side of RWY only.

CHANGE : MDA(H), VDP

## INSTRUMENT APPROACH CHART

RJFO / OITA

VOR RWY01



| MINIMA                             |           | THR elev. 19 | AD elev. 17 |           |
|------------------------------------|-----------|--------------|-------------|-----------|
| CAT                                |           |              | CIRCLING    |           |
|                                    | MDA(H)    | RVR/<br>CMV  | MDA(H)      | VIS       |
| A                                  | 500 (483) | 1000         | 500 (483)   | 1600      |
| B                                  |           | 1200         |             |           |
| C                                  |           |              | 690 (673)   | 2400      |
| D                                  |           |              | 1600        | 760 (743) |
| Circling to EAST side of RWY only. |           |              |             |           |

## RJFO / OITA

VOR A

VAR 7°W (2016)

EQPT REQUIRED  
DME

MSA 25NM

TFE

180°

090°

270°

360°

3600

3000

6300

3500

1926 .

1660

2365

1841

1257

840 .

538 .

833 .

810 .

965

1936

2044

3428

4183

MELDY (FAF)  
D6.0 TFE

MAPt  
D1.7 TFE

JEWEL (IF)  
D11.0 TFE

MHA 3000  
MAX 200KIAS

218°

218°

218°

218°

091°

038°

D16.0 TFE

D13.0 TFE ARC

R047

HDG046°

10NM

MELDY (FAF) : 333433.48N/1314722.26E

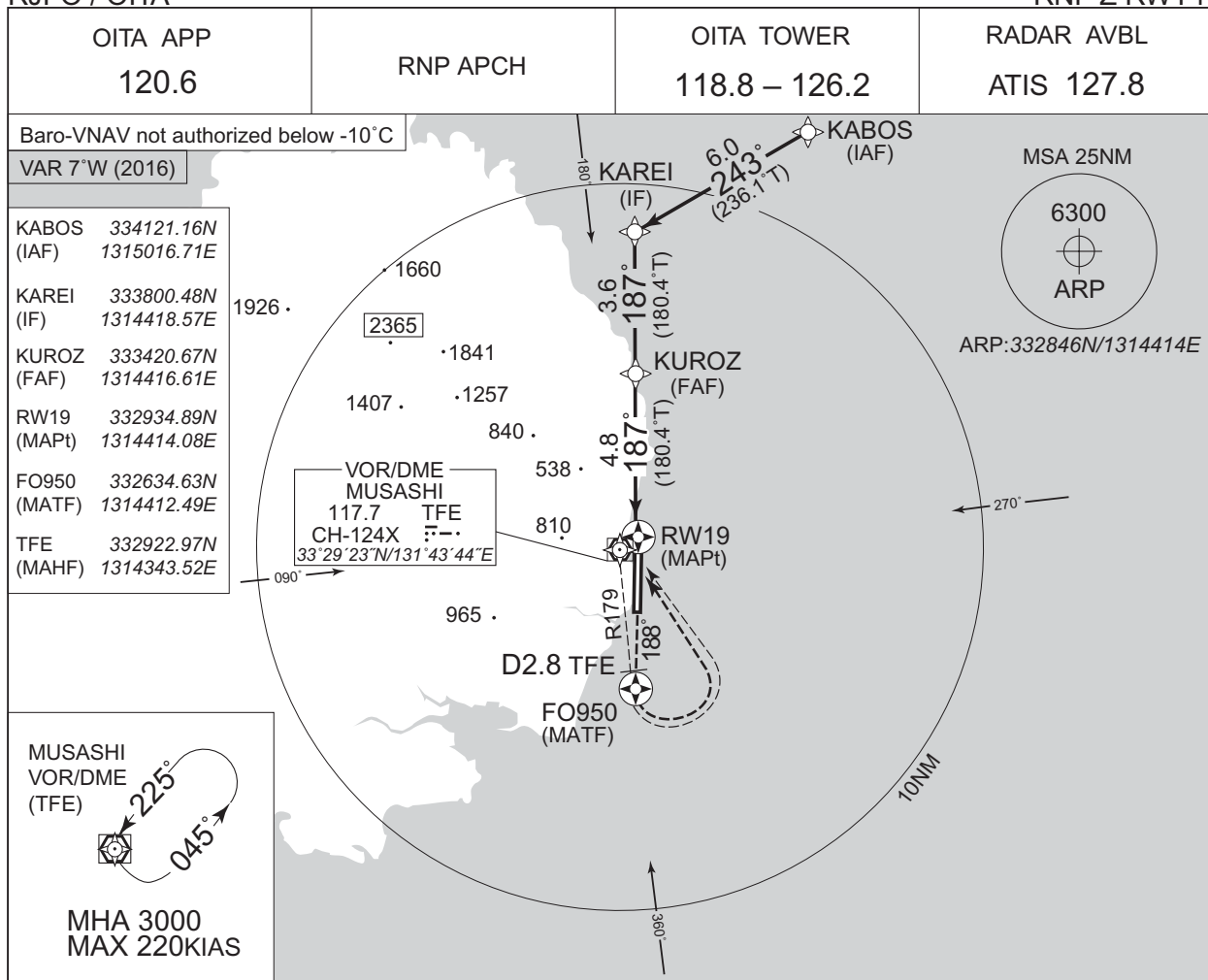
|        |           |             |
|--------|-----------|-------------|
| MINIMA |           | AD elev. 17 |
| CAT    | CIRCLING  |             |
|        | MDA(H)    | VIS         |
| A      | 440 (423) | 1600        |
| B      | 480 (463) |             |
| C      | 660 (643) | 2400        |
| D      | 760 (743) | 3200        |

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

## INSTRUMENT APPROACH CHART

RJFO / OITA

RNP Z RWY19

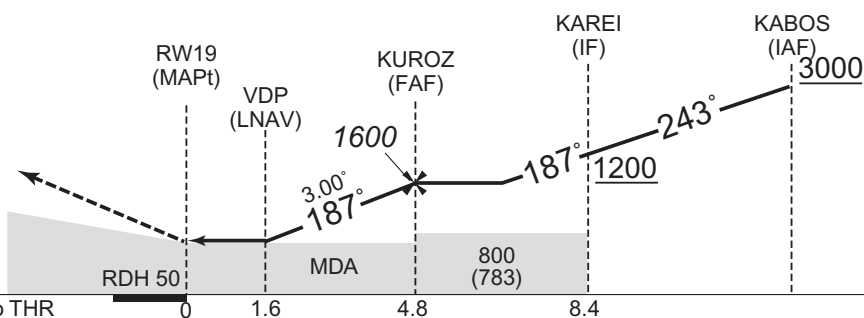


| NM to Next Fix       | MAPt | 2   | 3    | 4    | FAF  |
|----------------------|------|-----|------|------|------|
| ALT (3.0° APCH Path) | —    | 703 | 1021 | 1340 | 1600 |

## MISSED APPROACH

Climb direct to FO950, turn left  
direct to TFE and hold at  
3000FT.  
Contact OITA APP.

(For using VOR/DME)  
Climb via TFE R179 to TFE  
2.8DME, turn left, direct to TFE  
VOR/DME and hold at 3000FT.  
Contact OITA APP.



| MINIMA |           | THR elev. 17 |           | AD elev. 17 |           |      |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|-----------|------|
| CAT    | LNAV/VNAV |              | LNAV      |             | CIRCLING  |      |           |      |
|        | DA(H)     | CMV          | MDA(H)    | CMV         | MDA(H)    | VIS  |           |      |
| A      | 580 (563) | 1400         | 580 (563) | 1400        | 580 (563) | 1600 |           |      |
| B      |           | 1500         |           | 1500        |           |      |           |      |
| C      |           | 1600         |           | 1600        |           |      | 690 (673) | 2400 |
| D      |           | 1800         |           | 1800        |           |      | 760 (743) | 3200 |

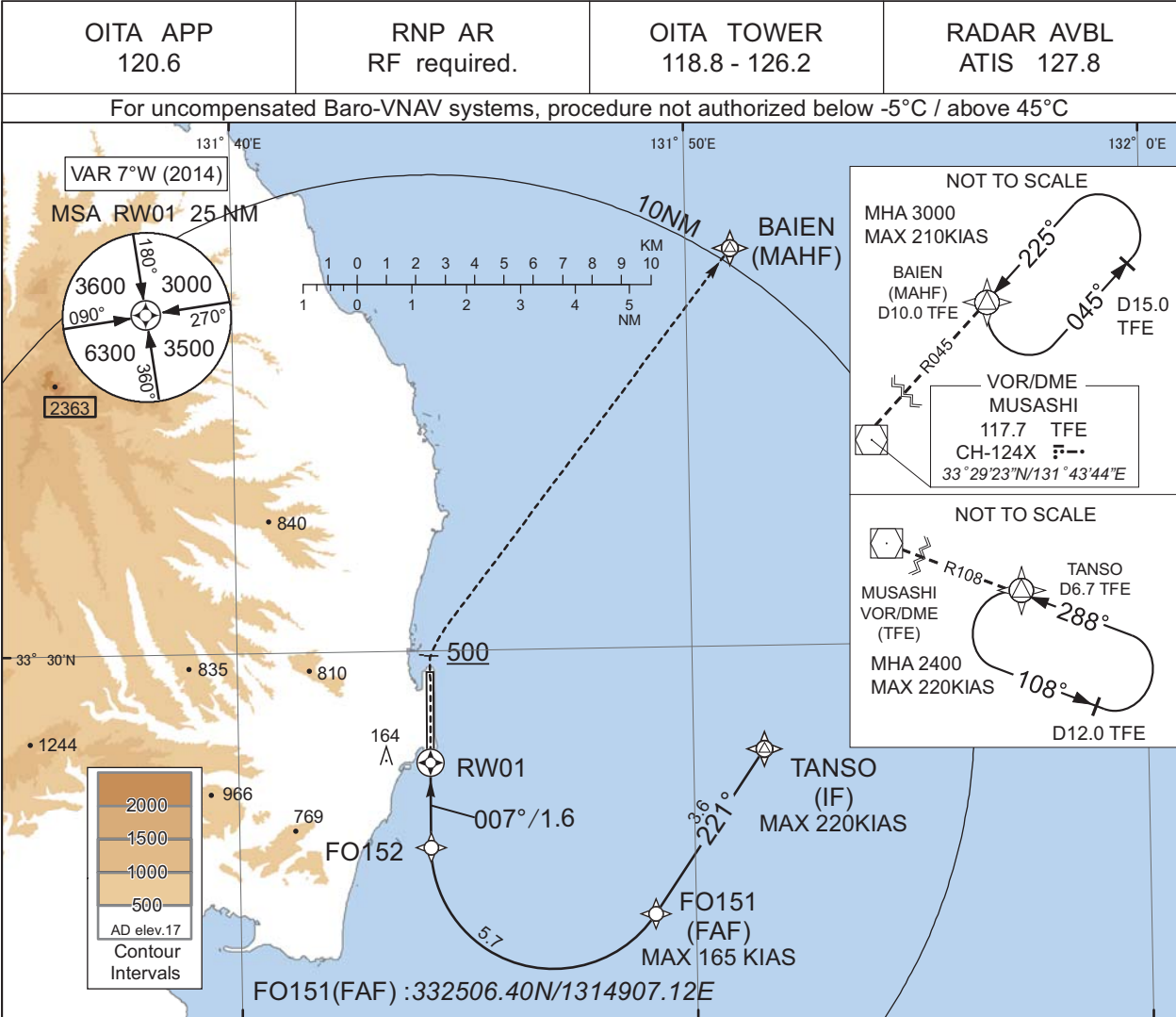
Circling to EAST side of RWY only

CHANGE:PROC renamed. Requirement for RNP.



INSTRUMENT APPROACH CHART

RJFO / OITA RNP RWY01(AR)



CHANGE : PROC renamed. Requirement for RNP:

**MISSED APPROACH**

From RW01 on track 007°, at or above 500FT turn right, direct to BAIEN and hold at 3000FT.  
Contact OITA APP.

Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 19 | AD elev. 17 |
|--------|--------------|-------------|
| CAT    | RNP 0.30     |             |
|        | DA(H)        | RVR/CMV     |
| A      | -            | -           |
| B      | -            | -           |
| C      | 326(307)     | 1000        |
| D      | 326(307)     | 1400        |

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

## Authorization Required

## INSTRUMENT APPROACH CHART

RJFO / OITA

RNP RWY01(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                        | TANSO               | -        | -             | -7.0               | -             | -              | +2400         | -220         | -               | -         |
| 002           | TF                        | FO151               | -        | 221 (214.2)   | -7.0               | 3.6           | -              | 2400          | -165         | -               | 1.0       |
| 003           | RF Center: FORF1 r=2.25NM | FO152               | -        | -             | -7.0               | 5.7           | R              | 570           | -            | -3.00           | 0.3       |
| 004           | TF                        | RW01                | Y        | 007 (000.4)   | -7.0               | 1.6           | -              | 73            | -            | -3.00/54        | 0.3       |
| 005           | FA                        | -                   | -        | 007 (000.4)   | -7.0               | -             | -              | +500          | -            | -               | 1.0       |
| 006           | DF                        | BAIEN               | -        | -             | -7.0               | -             | R              | 3000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| TANSO               | 332806.56N / 1315133.74E | FORF1                    | 332622.64N / 1314653.79E |
| FO151               | 332506.40N / 1314907.12E |                          |                          |
| FO152               | 332623.67N / 1314412.39E |                          |                          |
| RW01                | 332757.53N / 1314413.22E |                          |                          |
| BAIEN               | 333720.39N / 1315059.77E |                          |                          |

CHANGE : PROC renamed.

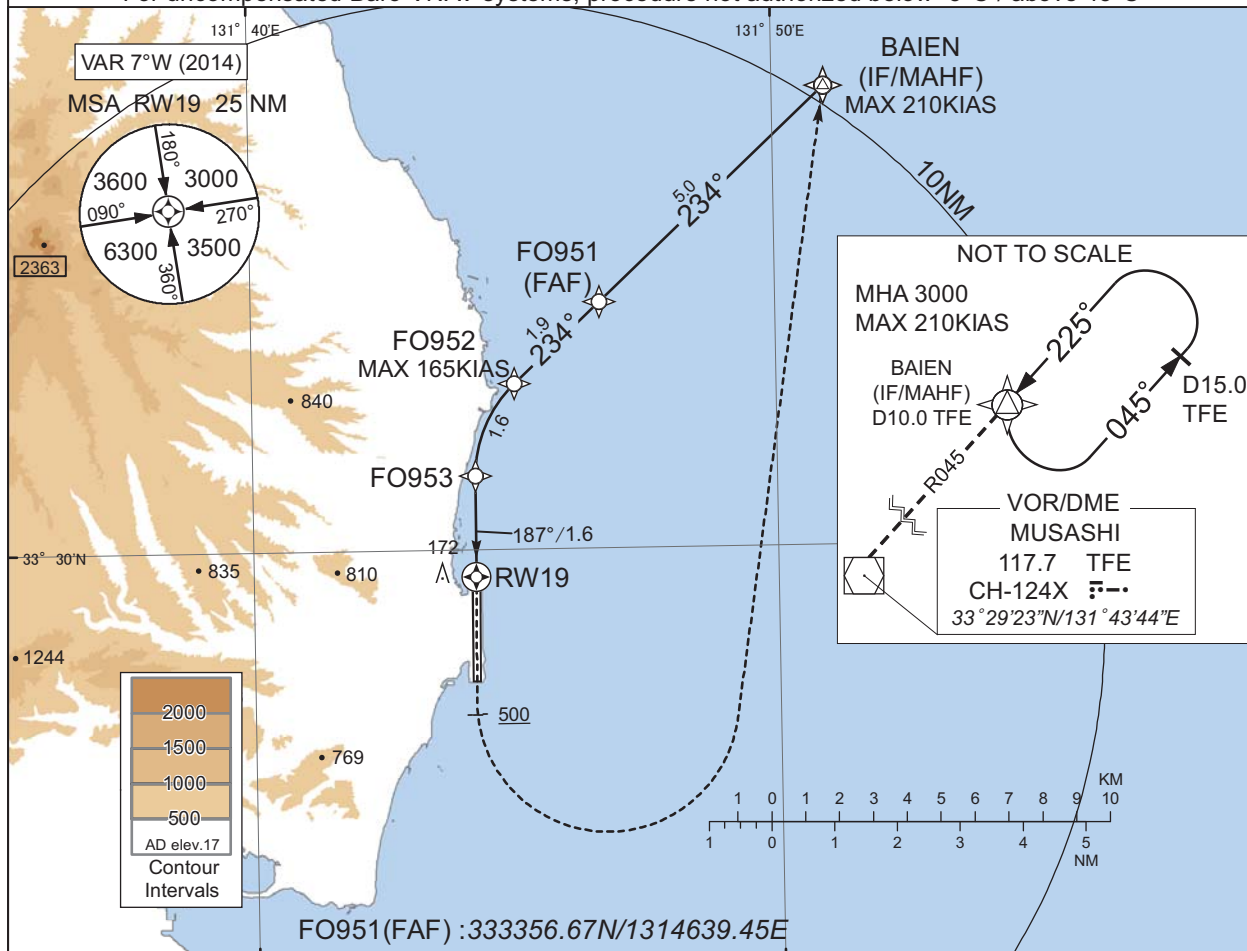
INSTRUMENT APPROACH CHART

RJFO / OITA

RNP Y RWY19(AR)

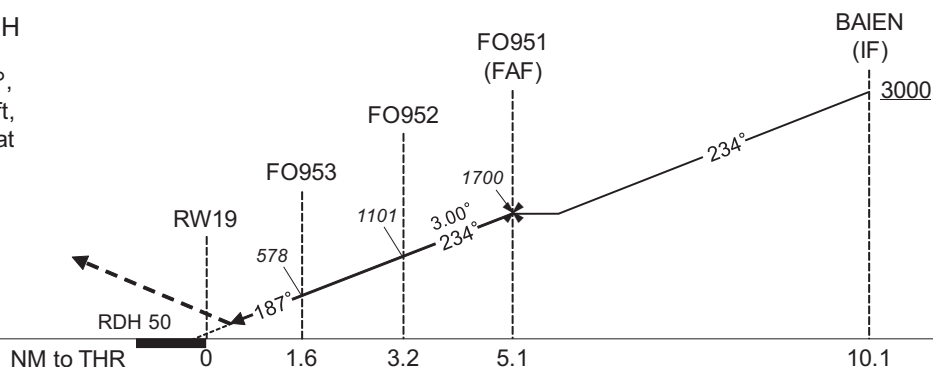
|                   |                        |                             |                          |
|-------------------|------------------------|-----------------------------|--------------------------|
| OITA APP<br>120.6 | RNP AR<br>RF required. | OITA TOWER<br>118.8 - 126.2 | RADAR AVBL<br>ATIS 127.8 |
|-------------------|------------------------|-----------------------------|--------------------------|

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



MISSED APPROACH

From RW19 on track 187°,  
at or above 500FT turn left,  
direct to BAIEN and hold at  
3000FT.  
Contact OITA APP.



Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 17 | AD elev. 17 |
|--------|--------------|-------------|
| CAT    | RNP 0.30     |             |
|        | DA(H)        | CMV         |
| A      | -            | -           |
| B      | -            | -           |
| C      | 334(317)     | 1400        |
| D      |              | 1600        |

**Authorization Required**

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

CHANGE : PROC renamed. Requirement for RNP.

## INSTRUMENT APPROACH CHART

RJFO / OITA

RNP Y RWY19(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                                 | BAIEN               | -        | -              | -7.0               | -             | -              | +3000         | -210         | -               | -         |
| 002           | TF                                 | FO951               | -        | 234<br>(226.8) | -7.0               | 5.0           | -              | 1700          | -            | -               | 1.0       |
| 003           | TF                                 | FO952               | -        | 234<br>(226.8) | -7.0               | 1.9           | -              | 1101          | -165         | -3.00           | 0.3       |
| 004           | RF<br>Center:<br>FORF2<br>r=2.02NM | FO953               | -        | -              | -7.0               | 1.6           | L              | 578           | -            | -3.00           | 0.3       |
| 005           | TF                                 | RW19                | Y        | 187<br>(180.4) | -7.0               | 1.6           | -              | 67            | -            | -3.00/50        | 0.3       |
| 006           | FA                                 | -                   | -        | 187<br>(180.4) | -7.0               | -             | -              | +500          | -            | -               | 1.0       |
| 007           | DF                                 | BAIEN               | -        | -              | -7.0               | -             | L              | 3000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| BAIEN               | 333720.39N / 1315059.77E | FORF2                    | 333110.65N / 1314640.11E |
| FO951               | 333356.67N / 1314639.45E |                          |                          |
| FO952               | 333239.42N / 1314500.88E |                          |                          |
| FO953               | 333111.58N / 1314414.94E |                          |                          |
| RW19                | 332934.89N / 1314414.08E |                          |                          |

CHANGE : PROC renamed.

RJFO / OITA

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 : Map updated. BRG/DIST from ARP.

| Call sign              | BRG / DIST from ARP | Remarks                           |
|------------------------|---------------------|-----------------------------------|
| 姫島<br>Himeshima        | 346°T / 15.3NM      | 島<br>Island                       |
| ゴルフコース<br>Golf course  | 345°T / 9.7NM       | ゴルフ場<br>Golf course               |
| 行入ダム<br>Gyonyu dam     | 321°T / 7.0NM       | ダム<br>Dam                         |
| イーストポイント<br>East point | 090°T / 10.0NM      | 海上<br>Over the sea                |
| 杵築<br>Kitsuki          | 232°T / 6.7NM       | 八坂川河口<br>River mouth (The Yasaka) |
| 佐賀関<br>Saganoseki      | 152°T / 15.0NM      | 精錬所煙突<br>Chimney                  |

RJFO / OITA

Minimum Vectoring Altitude CHART

