

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



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



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.
 ※ 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.
 2) RADAR service required.

Critical DME

—

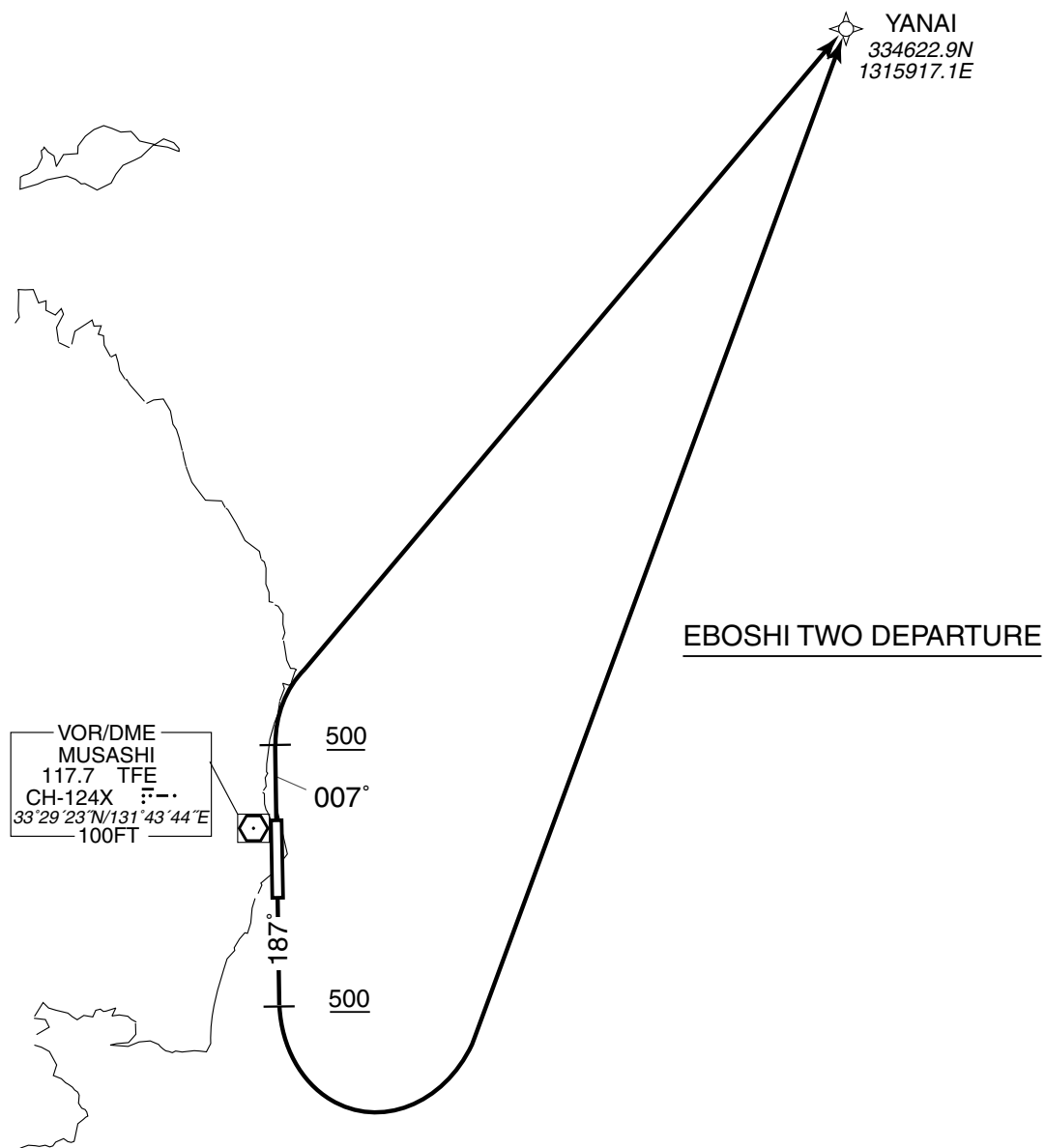
DME GAP

RWY01 : DER ~ 19NM to YANAI
 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 (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 (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. ※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. 2) RADAR service required. | Critical DME | — |
| | DME GAP | RWY01 : DER ~ 9NM to TACHI 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 (000.4) | -7.0 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | TACHI | — | — | -7.0 | — | R | — | — | — | RNAV1 |
| 003 | TF | OOITA | — | 215 (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 (180.4) | -7.0 | — | — | +500 | — | — | RNAV1 |
| 002 | DF | FO901 | — | — | -7.0 | — | — | — | — | — | RNAV1 |
| 003 | TF | OOITA | — | 197 (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 (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 (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 SALTY TRANSITION / SPIDE TRANSITION / ASHIZURI TRANSITION | | | RNAV1 |
|---|--|--|--|
| Note 1) DME/DME/IRU or GNSS required. 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> From FUSHA, to DONAR at or above FL160. | | | |
| <u>DOUGO TRANSITION</u> From FUSHA, to DONAR at or above FL160, to MYE. | | | |
| <u>FIATO TRANSITION</u> From FUSHA, to DONAR at or above FL160, to SALTY, to FIATO. | | | |
| <u>SALTY TRANSITION</u> From FUSHA, to DONAR at or above FL160, to SALTY. | | | |
| <u>SPIDE TRANSITION</u> From FUSHA, to DONAR at or above FL160, to SPIDE. | | | |
| <u>ASHIZURI TRANSITION</u> 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 (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 (078.7) | -7.4 | 17.8 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | MYE | — | 027 (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 (078.7) | -7.4 | 17.8 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | SALTY | — | 043 (036.1) | -7.4 | 37.3 | — | — | — | — | RNAV1 |
| 004 | TF | FIATO | — | 044 (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 (078.7) | -7.4 | 17.8 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | SALTY | — | 043 (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 (078.7) | -7.4 | 17.8 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | SPIDE | — | 061 (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 (126.5) | -7.4 | 54.0 | — | — | — | — | RNAV1 |

STANDARD ARRIVAL CHART- INSTRUMENT

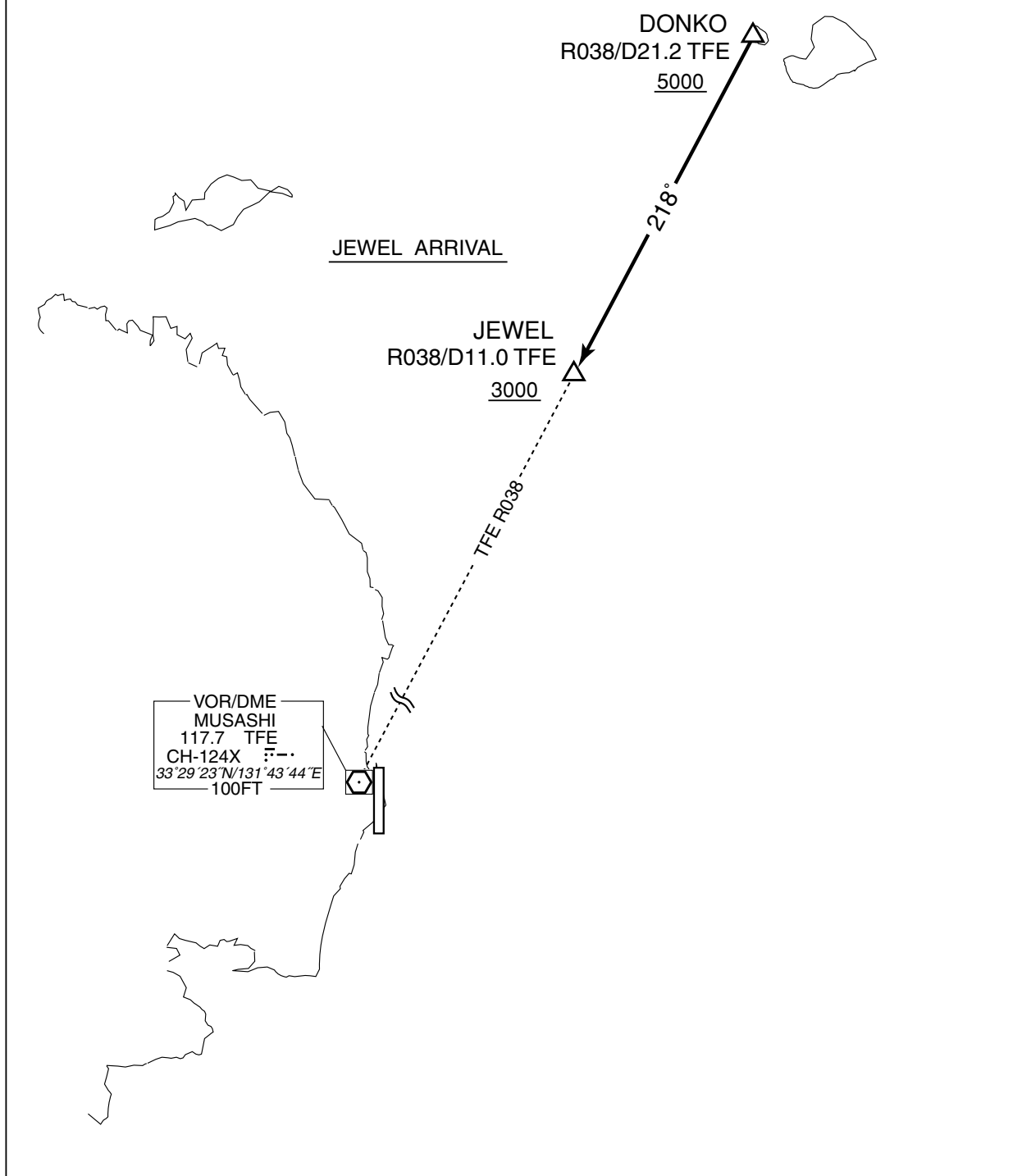
RJFO / OITA

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

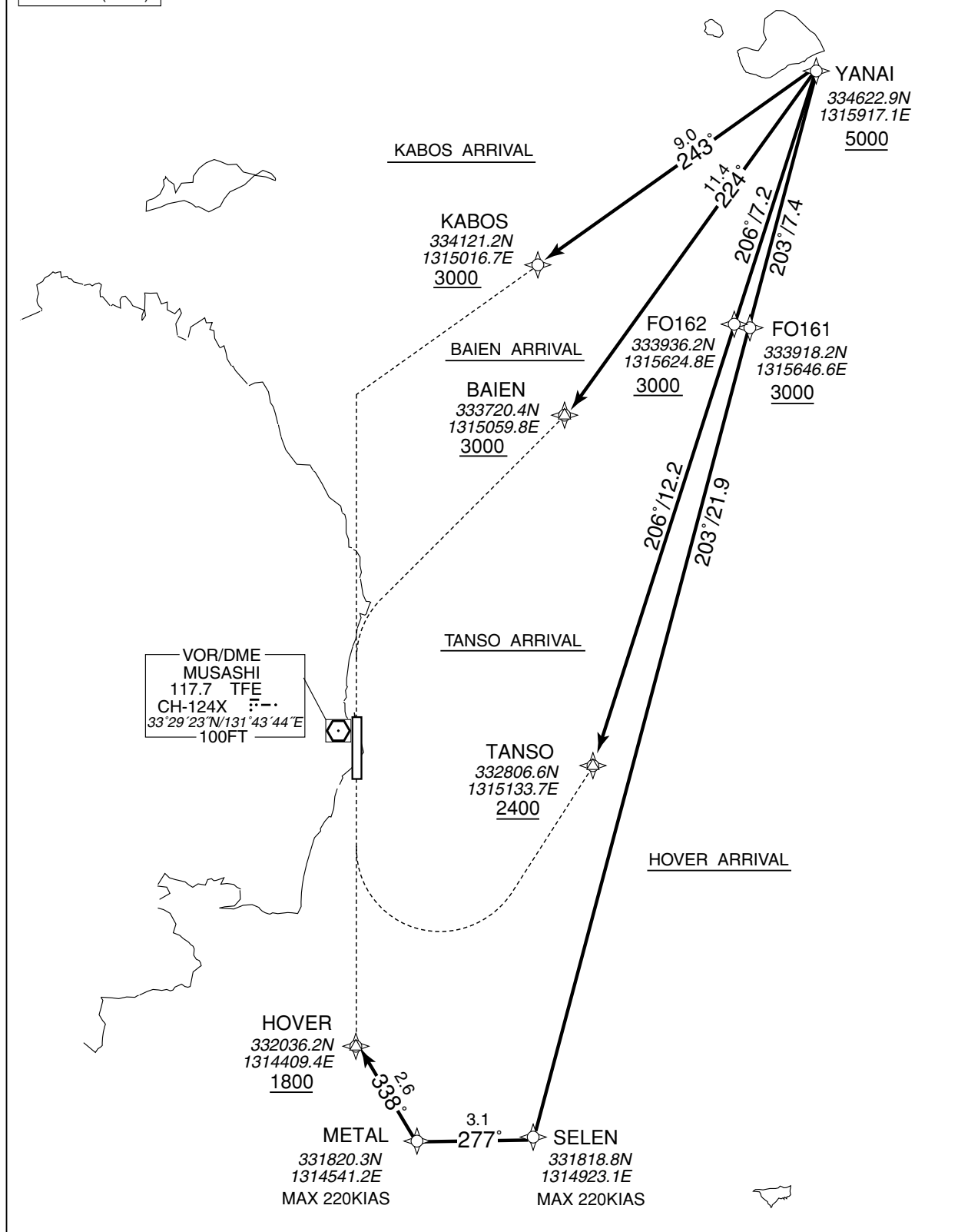
RNAV STAR

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 (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 (196.4) | -7.4 | 7.4 | — | +3000 | — | — | RNAV1 |
| 003 | TF | SELEN | — | 203 (196.4) | -7.4 | 21.9 | — | — | -220 | — | RNAV1 |
| 004 | TF | METAL | — | 277 (270.5) | -7.4 | 3.1 | — | — | -220 | — | RNAV1 |
| 005 | TF | HOVER | — | 338 (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 (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 (199.4) | -7.4 | 7.2 | — | +3000 | — | — | RNAV1 |
| 003 | TF | TANSO | — | 206 (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 OITA 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 | OITA | — | — | -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%.

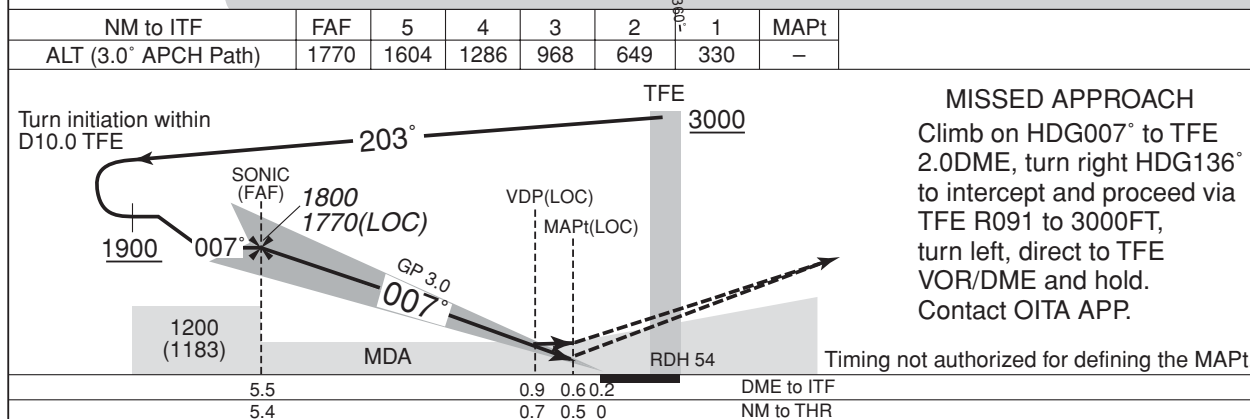
| MINIMA | | THR elev. 19 | AD elev. 17 | |
|--------|-----------|--------------|-------------|------|
| CAT | CAT I | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 219 (200) | 550 | 430 (413) | 1600 |
| B | | | 470 (453) | |
| C | | | 690 (673) | |
| D | | | 760 (743) | |

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 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) | 1600 |
| 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.

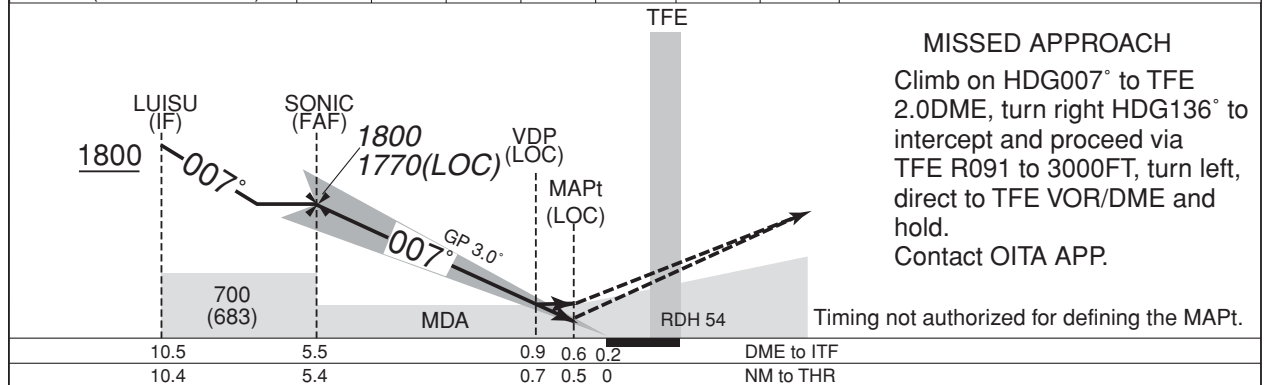
INSTRUMENT APPROACH CHART

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.

INSTRUMENT APPROACH CHART

RJFO / OITA

VOR RWY01



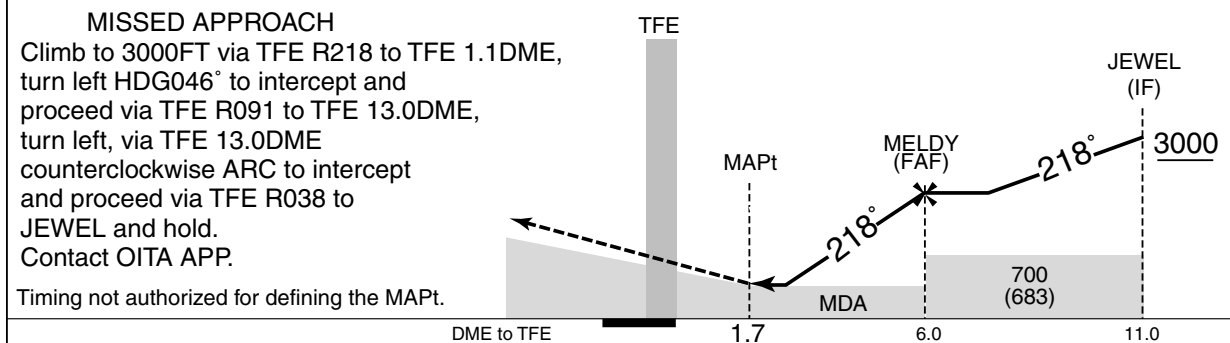
| MINIMA | | THR elev. 19 | AD elev. 17 |
|--------|-----------|--------------|----------------|
| CAT | MDA(H) | RVR/CMV | CIRCLING |
| A | 500 (483) | 1000 | 500 (483) 1600 |
| B | | 1200 | 690 (673) 2400 |
| C | | 1600 | 760 (743) 3200 |
| D | | | |

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJFO / OITA

VOR A



Missed APCH climb gradient MNM 5.0%.

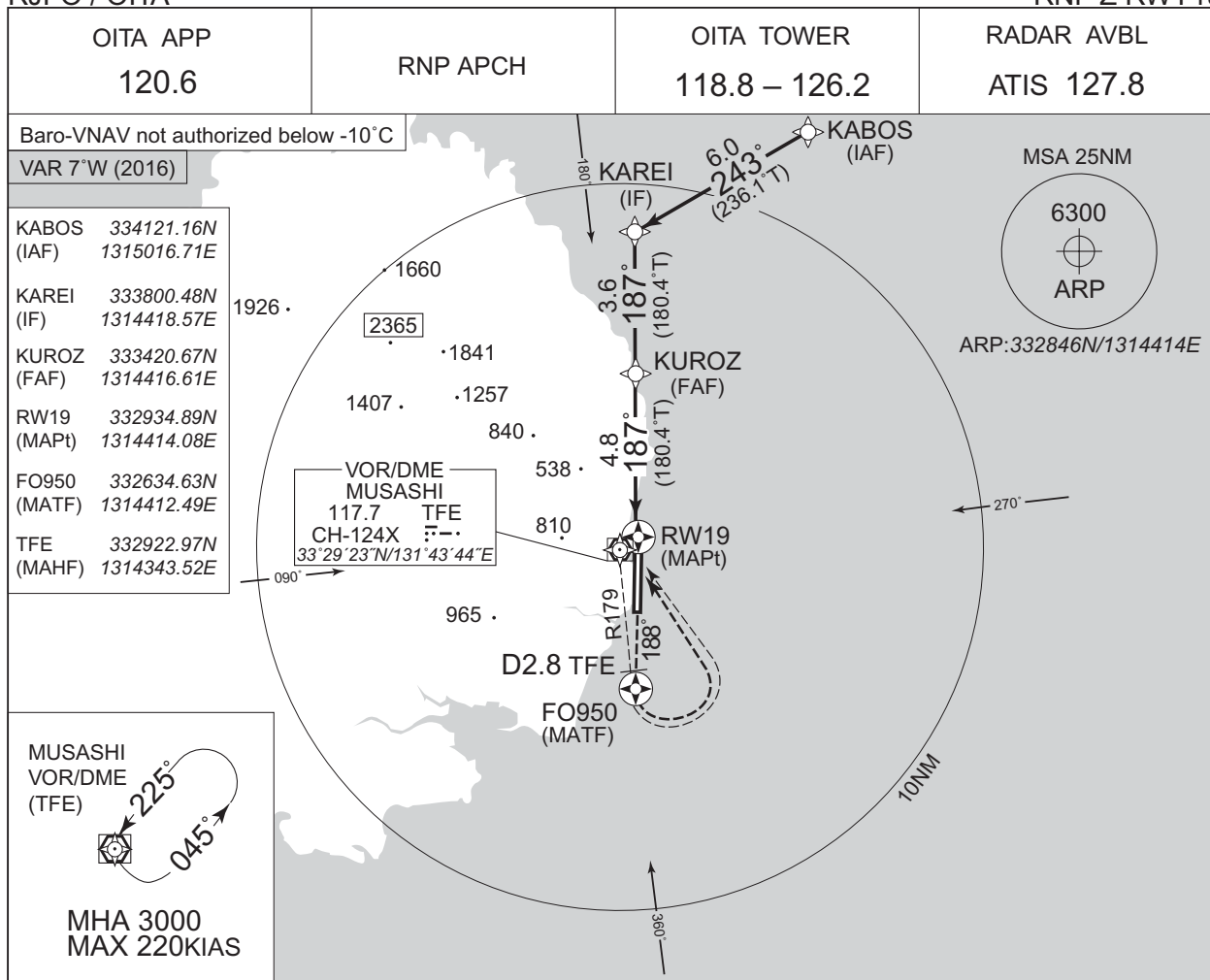
| MINIMA | | AD elev. 17 |
|--------|-----------|-------------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 440 (423) | 1600 |
| B | 480 (463) | |
| C | 660 (643) | 2400 |
| D | 760 (743) | 3200 |

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

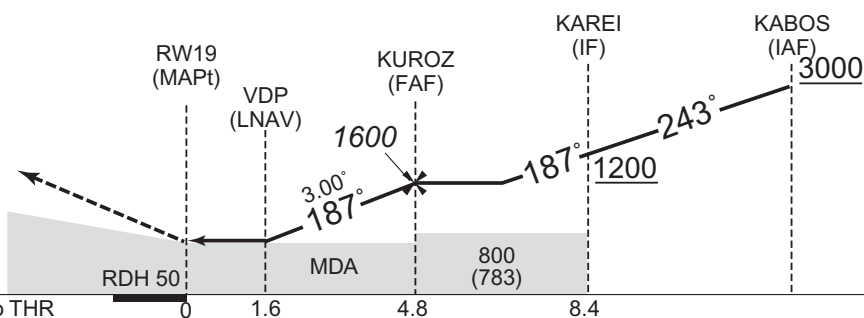


| NM to Next Fix | MAPt | 2 | 3 | 4 | FAF |
|----------------------|------|-----|------|------|------|
| ALT (3.0° APCH Path) | — | 703 | 1021 | 1340 | 1600 |

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 | LNNAV/VNAV | LNNAV | CIRCLING | | |
| | DA(H) | CMV | MDA(H) | CMV | VIS |
| A | 580 (563) | 1400 | 580 (563) | 1400 | 1600 |
| B | | 1500 | | 1500 | |
| C | | 1600 | | 1600 | |
| D | | 1800 | | 1800 | |

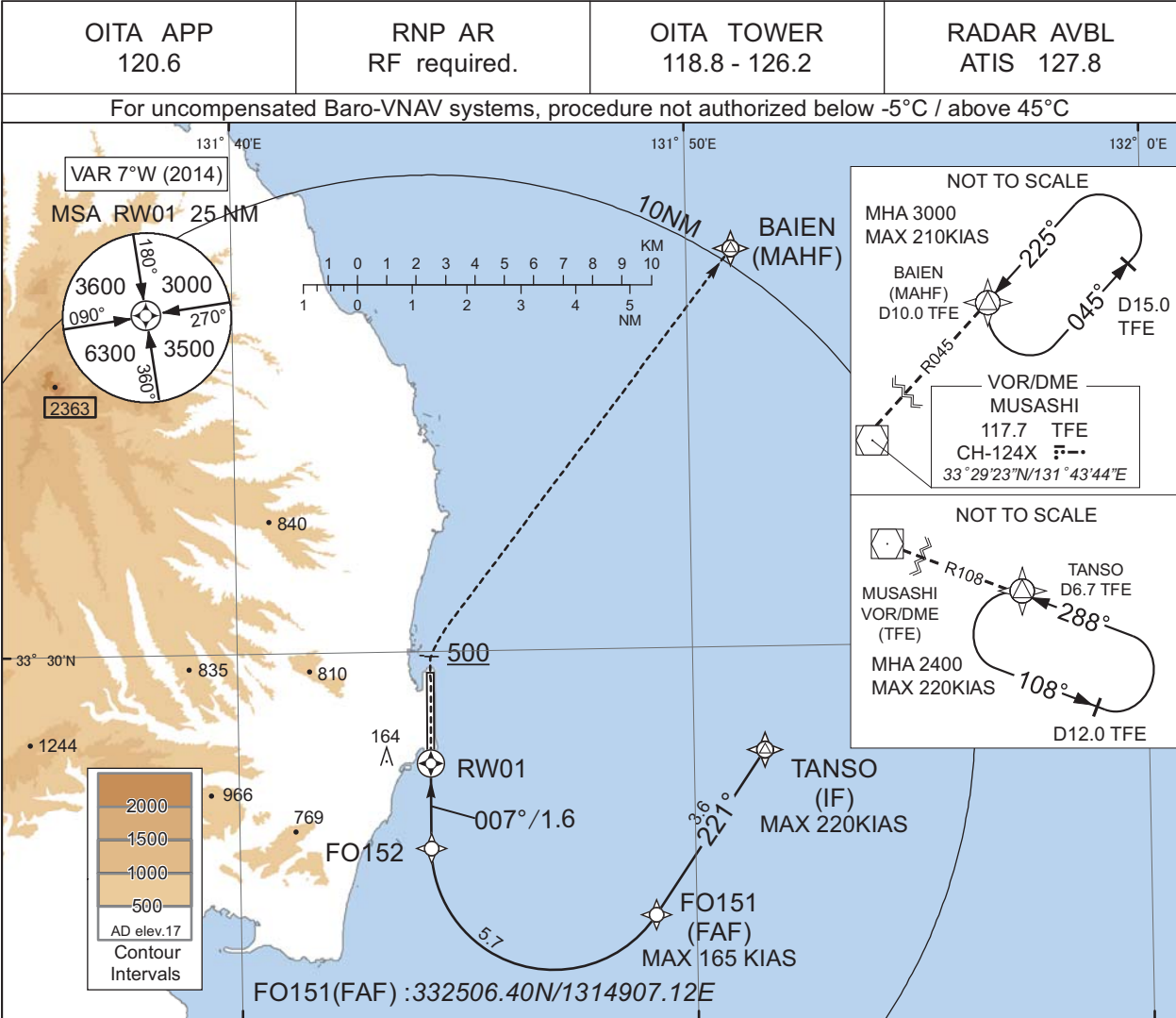
Circling to EAST side of RWY only

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.

Misssed 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 | | 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.

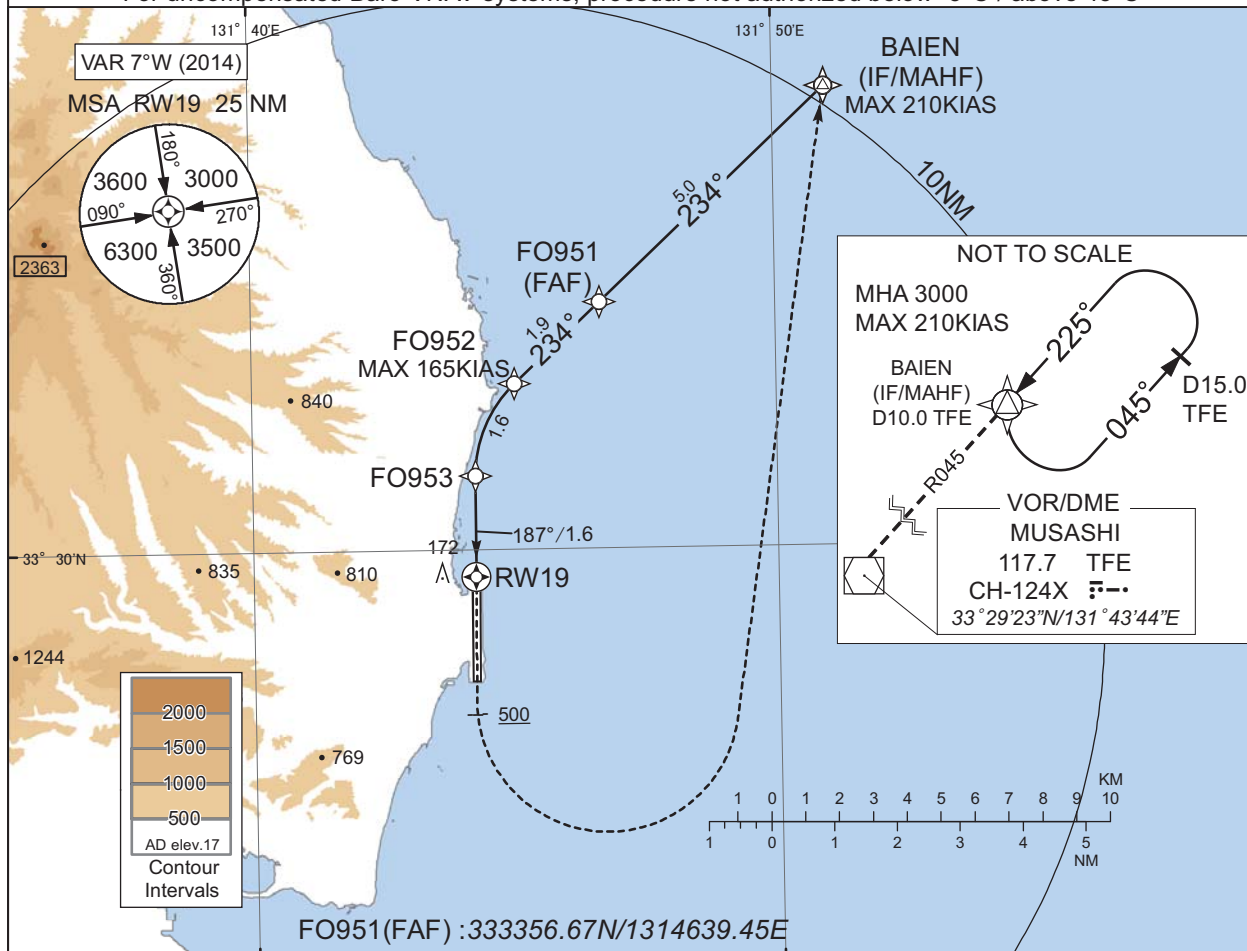
INSTRUMENT APPROACH CHART

RJFO / OITA

RNP Y RWY19(AR)

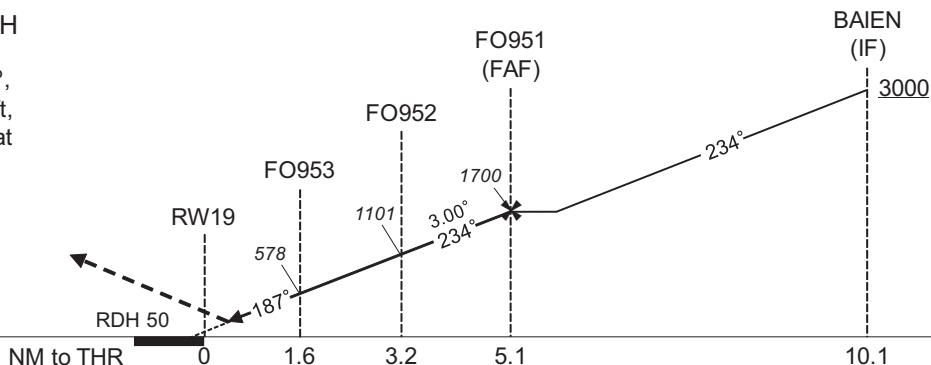
| | | | |
|-------------------|------------------------|-----------------------------|--------------------------|
| OITA APP 120.6 | RNP AR RF required. | OITA TOWER 118.8 - 126.2 | RADAR AVBL ATIS 127.8 |
|-------------------|------------------------|-----------------------------|--------------------------|

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 (226.8) | -7.0 | 5.0 | - | 1700 | - | - | 1.0 |
| 003 | TF | FO952 | - | 234 (226.8) | -7.0 | 1.9 | - | 1101 | -165 | -3.00 | 0.3 |
| 004 | RF Center: FORF2 r=2.02NM | FO953 | - | - | -7.0 | 1.6 | L | 578 | - | -3.00 | 0.3 |
| 005 | TF | RW19 | Y | 187 (180.4) | -7.0 | 1.6 | - | 67 | - | -3.00/50 | 0.3 |
| 006 | FA | - | - | 187 (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.

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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).

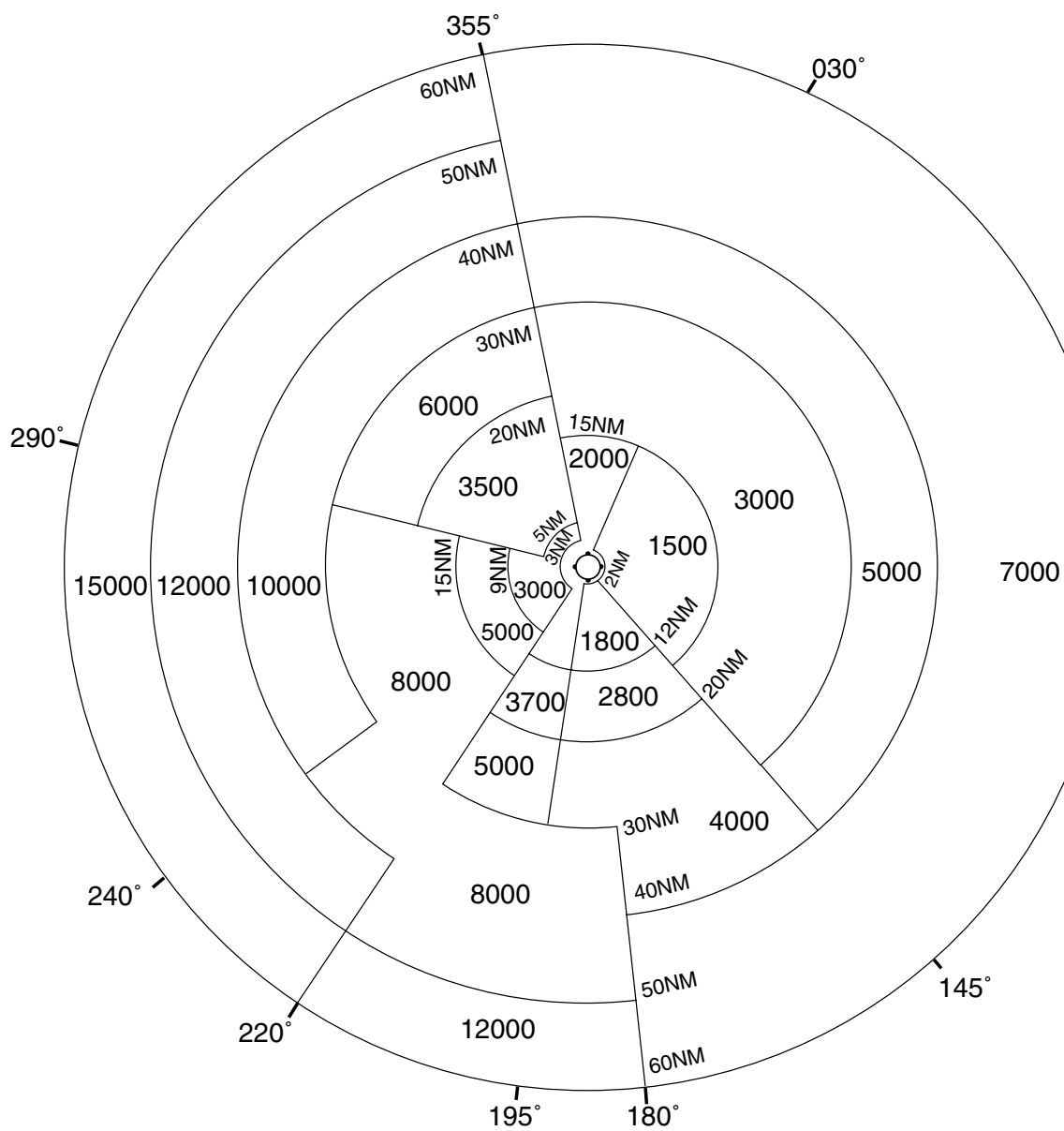
CHANGE : Map updated. BRG/DIST from ARP.

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

RJFO / OITA

Minimum Vectoring Altitude CHART

VAR 7°W (2008)



CENTER : 332842N/1314351E (RADAR SITE)