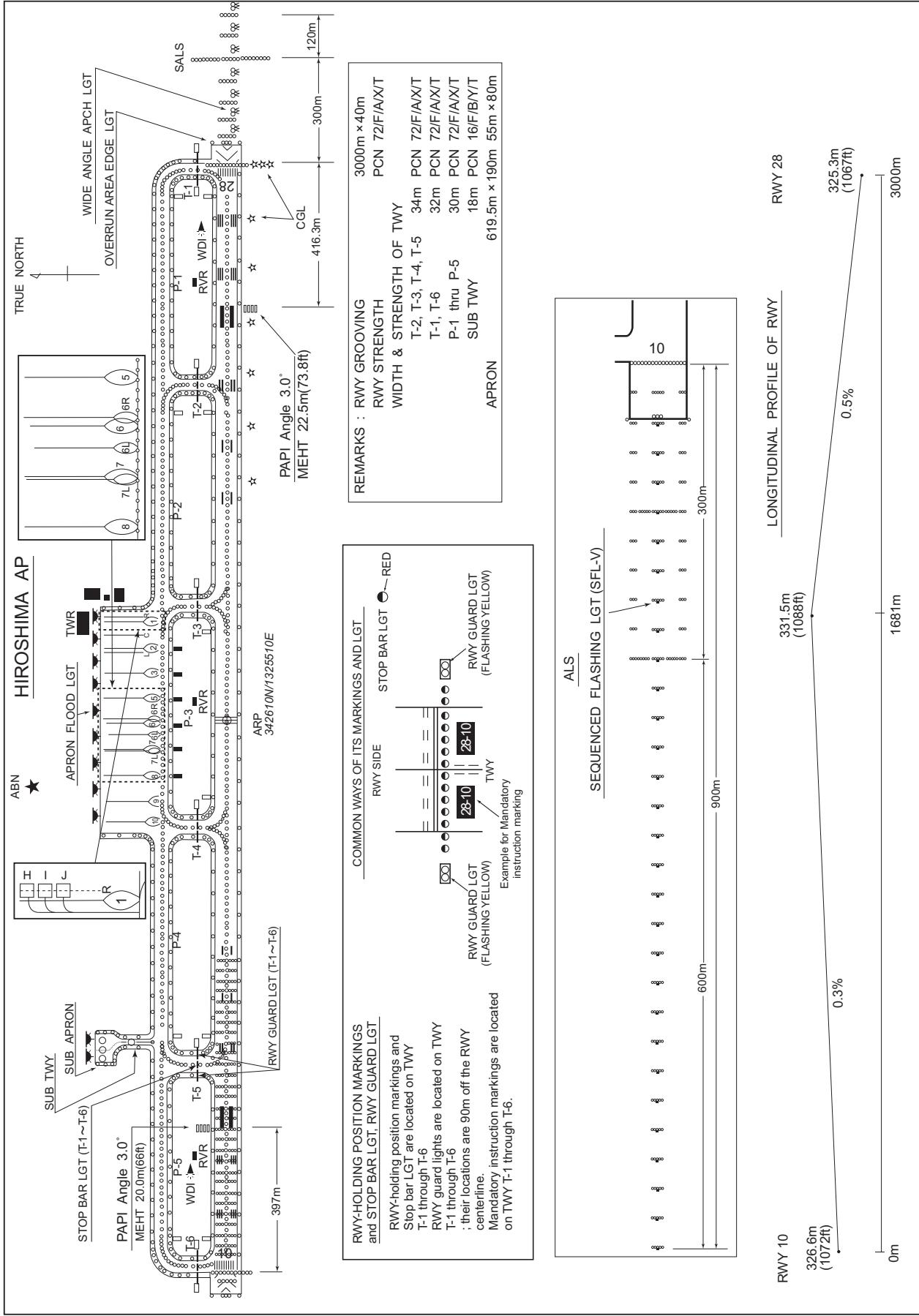


RJOA / HIROSHIMA

AD CHART

CHANGE : Marking added(spot H,I,J).

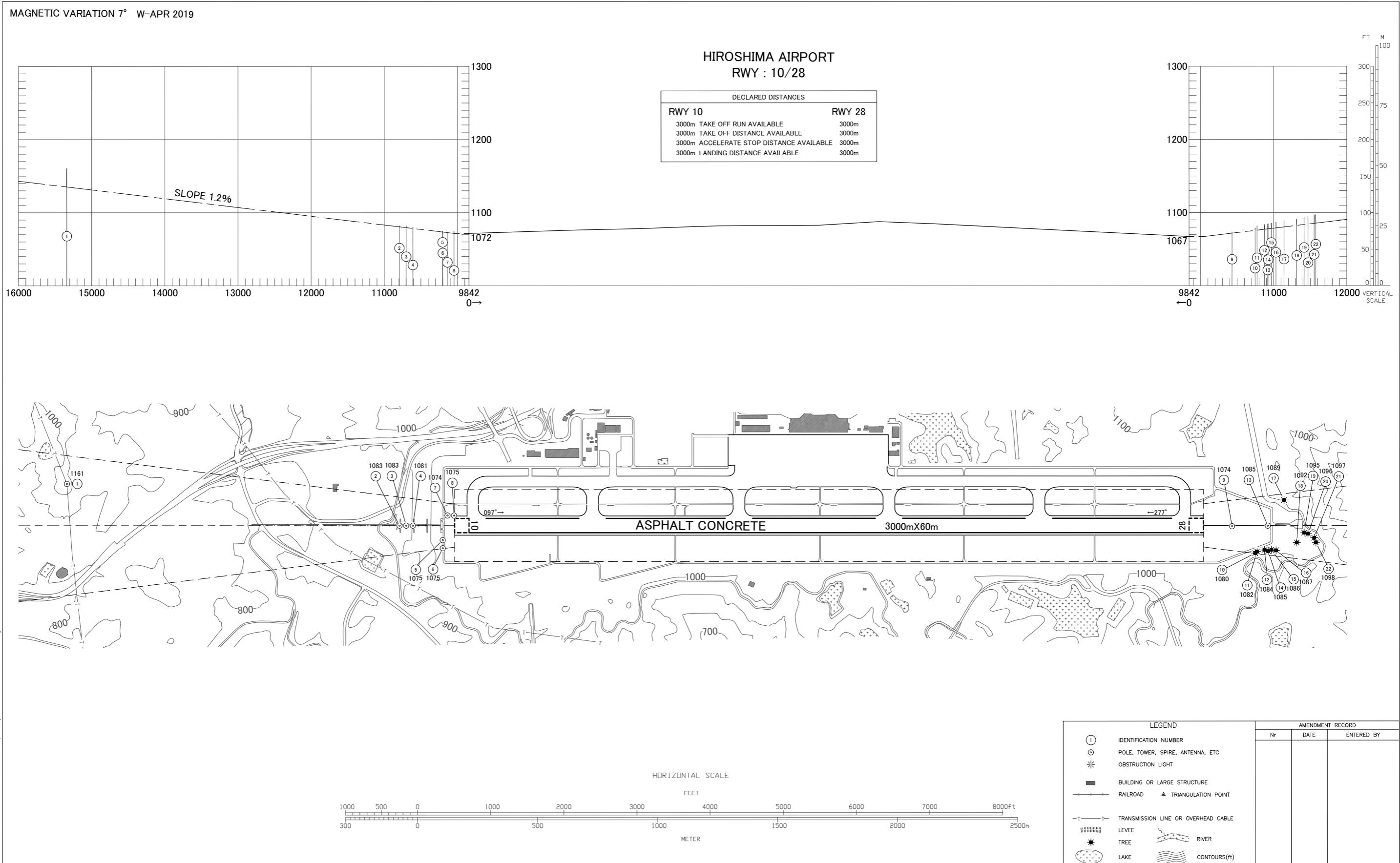


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AERODROME OBSTACLE CHART-ICAO TYPE A (OPERATING LIMITATIONS)

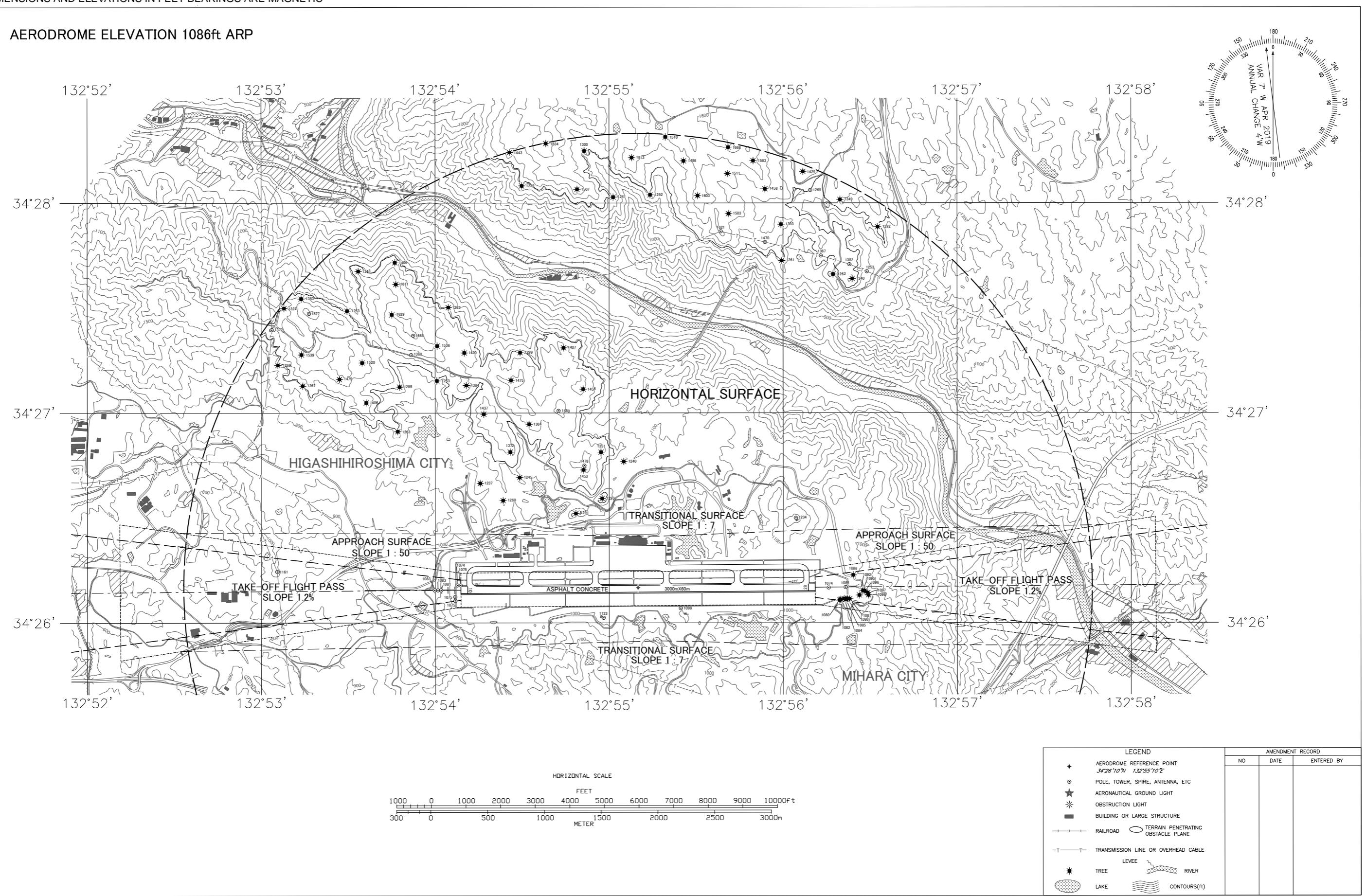
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 7° W-APR 2019



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO
TYPE B (OPERATING LIMITATIONS)



PRECISION APPROACH TERRAIN CHART-ICAO

PRECISION APPROACH TERRAIN CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

SID and TRANSITION

TOJYO THREE DEPARTURE

RWY 10 : Climb RWY HDG to HGE 2.5DME(1.9NM FM DER), turn left to intercept and proceed via HGE R040 to TOJYO...

RWY 28 : Climb on HDG 270° to HGE 5.0DME(4.0NM FM DER), turn right HDG 085° to intercept and proceed via HGE R-040 to TOJYO...
...Cross TOJYO at or above 12000FT.

Note : RWY10 : 3.5% climb gradient required up to 1900FT.

OBST ALT 1579FT located at 023°/3.31NM FM DER.

RWY28 : 3.4% climb gradient required up to 1600FT.

OBST ALT 2484FT located at 337°/7.77NM FM DER.

MIYAZU TRANSITION

From over TOJYO, proceed via YME R256 to YME VOR/DME.

OPERA THREE DEPARTURE

RWY 10 : Climb RWY HDG to HGE 2.5DME(1.9NM FM DER), turn left HDG 313°....

RWY 28 : Climb on HDG 270° to HGE 5.0DME(4.0NM FM DER), turn right HDG 043°....
....to intercept and proceed via HGE R358 to OPERA, via AKANA.
Cross AKANA at or above 11000FT, cross OPERA at or above FL150.

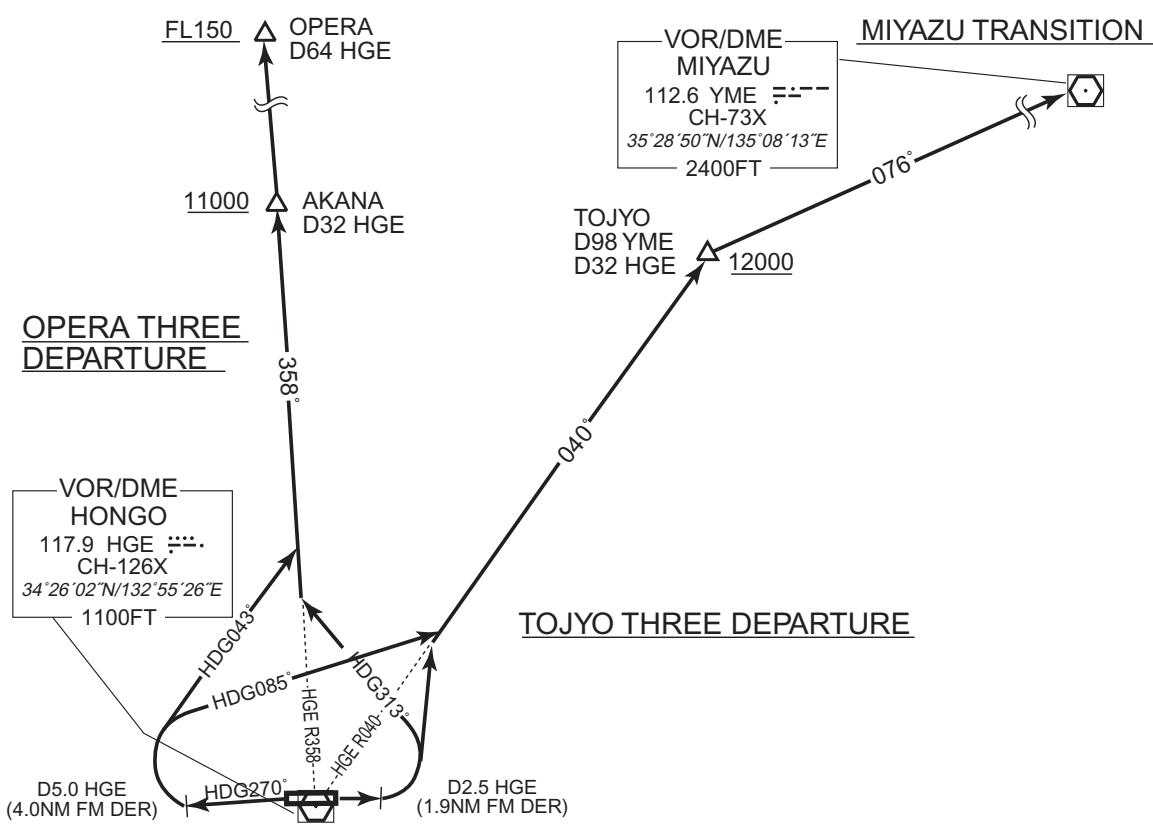
Note : RWY10 : 3.5% climb gradient required up to 1900FT.

OBST ALT 1579FT located at 023°/3.31NM FM DER.

RWY28 : 3.8% climb gradient required up to 3300FT.

OBST ALT 3025FT located at 329°/11.0NM FM DER.

CHANGE: OTSU TRANSITION abolished. OTSU VOR/DME(CUE) abolished.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

SID

BINGO FOUR DEPARTURE

RWY 10 : Climb RWY HDG to HGE 2.5DME(1.9NM FM DER), turn right....

RWY 28 : Climb on HDG 270° to HGE 5.0DME(4.0NM FM DER), turn left HDG 059°....
....to intercept and proceed via HGE R104 to BINGO.

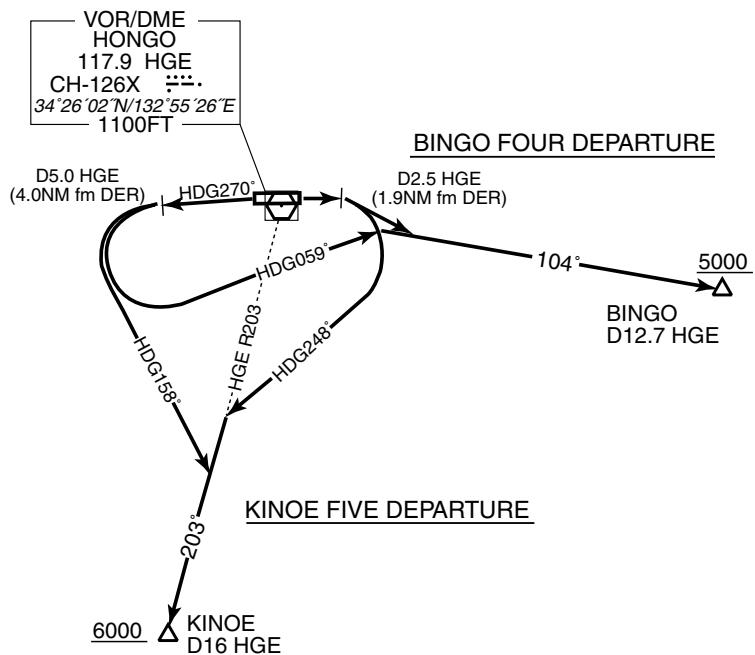
Cross BINGO at or above 5000FT.

KINOE FIVE DEPARTURE

RWY 10 : Climb RWY HDG to HGE 2.5DME(1.9NM FM DER), turn right HDG 248°....

RWY 28 : Climb on HDG 270° to HGE 5.0DME(4.0NM FM DER), turn left HDG 158°....
....to intercept and proceed via HGE R203 to KINOE.

Cross KINOE at or above 6000FT.



STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

SID and TRANSITION

HONGO REVERSAL THREE DEPARTURE

RWY 10 : Climb RWY HDG to HGE 4.6DME(4.0NM FM DER), turn left....,

RWY 28 : Climb on HDG 270° to HGE 5.0DME(4.0NM FM DER), turn right....,
....direct to HGE VOR/DME. Cross HGE VOR/DME at or above 5000FT.

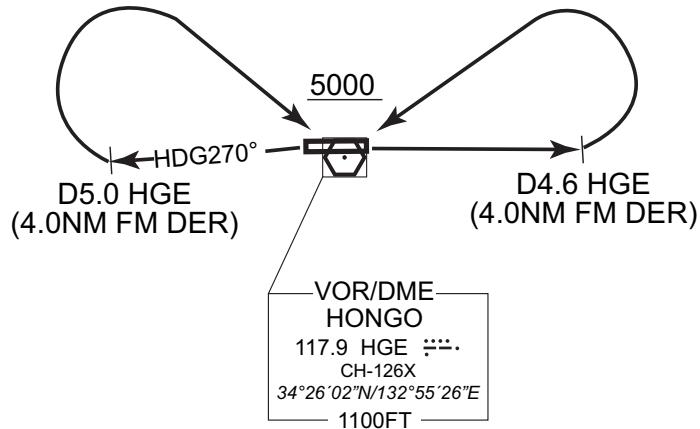
Note : RWY10 : 3.8% climb gradient required up to 2300FT.

OBST ALT 2002FT located at 093°/5.73NM FM DER.

RWY28 : 3.4% climb gradient required up to 1600FT.

OBST ALT 2484FT located at 337°/7.77NM FM DER.

HONGO REVERSAL THREE DEPARTURE



STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID

| MARCO ONE 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 rolling. | | Critical DME | — |
| 2) RADAR service required. | | DME GAP | RWY10 : DER – OA021 RWY28 : DER – 2NM to OA811 |
| Inappropriate Navaids | | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 | |
| VAR 8°W (2016) | | | <p>The map shows the departure route from Marco. It starts at MARCO (34°04'48"N/132°08'51"E, 2100FT) and heads towards LEMON (34°13'28.9"N/132°27'48.9"E). From LEMON, the route continues to OA811 (34°25'40.3"N/132°49'23.3"E, 1600FT) and OA021 (34°26'09.6"N/132°59'00.8"E, 1500FT). The route is labeled HDG278° and HDG098°. A callout box for VOR/DME HONGO (117.9 HGE, CH-126X, 34°26'02"N/132°55'26"E, 1100FT) is also shown.</p> |

MARCO ONE DEPARTURE

RWY10 : Climb on HDG098° at or above 1500FT, direct to OA021, turn right direct to LEMON at or above 11000FT, to MARCO.

RWY28 : Climb on HDG278° at or above 1600FT, direct to OA811, turn left direct to LEMON at or above 11000FT, to MARCO.

NOTE RWY10 : 5.0% climb gradient required up to 1500FT.

RWY28 : 3.6% climb gradient required up to 1600FT.

MARCO ONE DEPARTURE

RWY10

| 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 | — | — | 098 (090.0) | -7.6 | — | — | +1500 | — | — | RNAV1 |
| 002 | DF | OA021 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | LEMON | — | — | -7.6 | — | R | +11000 | — | — | RNAV1 |
| 004 | TF | MARCO | — | 249 (241.1) | -7.6 | 18.0 | — | — | — | — | RNAV1 |

RWY28

| 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 | — | — | 278 (270.0) | -7.6 | — | — | +1600 | — | — | RNAV1 |
| 002 | DF | OA811 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | LEMON | — | — | -7.6 | — | L | +11000 | — | — | RNAV1 |
| 004 | TF | MARCO | — | 249 (241.1) | -7.6 | 18.0 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

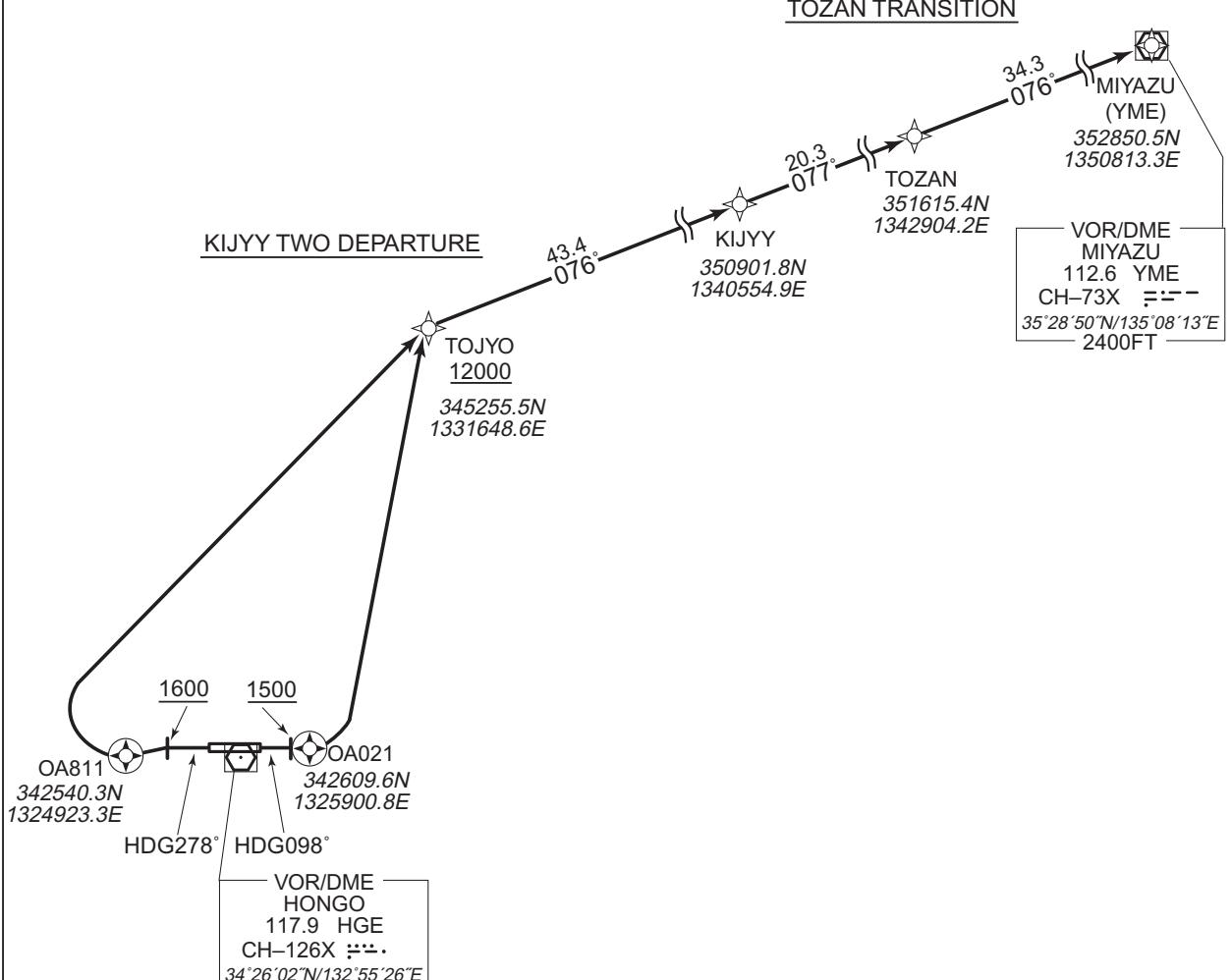
RNAV SID and TRANSITION

| KIJYY 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. | Critical DME | HGE : OA021 ~ 27NM to TOJYO TGT : OA021 ~ 24NM to TOJYO |
| 2) RADAR service required. | DME GAP | RWY10 : DER - OA021 RWY28 : DER - 2NM to OA811 |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVADS for RNAV1 |

VAR 8°W (2016)

CHANGE: Correction of misdescription (Course FM TOZAN to MIYAZU).

KIJYY TWO DEPARTURE



KIJYY TWO DEPARTURE

RWY10 : Climb on HDG098° at or above 1500FT, direct to OA021, turn left direct to TOJYO at or above 12000FT, to KIJYY.

RWY28 : Climb on HDG278° at or above 1600FT, direct to OA811, turn right direct to TOJYO at or above 12000FT, to KIJYY.

NOTE RWY10 : 5.0% climb gradient required up to 1600FT.

OBST ALT 2090FT located at 5.74NM 087° FM end of RWY10.

RWY28 : 3.6% climb gradient required up to 2700FT.

OBST ALT 2570FT located at 7.71NM 337° FM end of RWY28.

TOZAN TRANSITION

From KIJYY, to TOZAN, to YME.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

KIJYY TWO DEPARTURE

RWY10

| 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 | — | — | 098 (090.0) | -7.6 | — | — | +1500 | — | — | RNAV1 |
| 002 | DF | OA021 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | TOJYO | — | — | -7.6 | — | L | +12000 | — | — | RNAV1 |
| 004 | TF | KIJYY | — | 076 (067.9) | -7.6 | 43.4 | — | — | — | — | RNAV1 |

RWY28

| 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 | — | — | 278 (270.0) | -7.6 | — | — | +1600 | — | — | RNAV1 |
| 002 | DF | OA811 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | TOJYO | — | — | -7.6 | — | R | +12000 | — | — | RNAV1 |
| 004 | TF | KIJYY | — | 076 (067.9) | -7.6 | 43.4 | — | — | — | — | RNAV1 |

TOZAN 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 | KIJYY | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | TOZAN | — | 077 (069.0) | -7.6 | 20.3 | — | — | — | — | RNAV1 |
| 003 | TF | YME | — | 076 (068.3) | -7.6 | 34.3 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

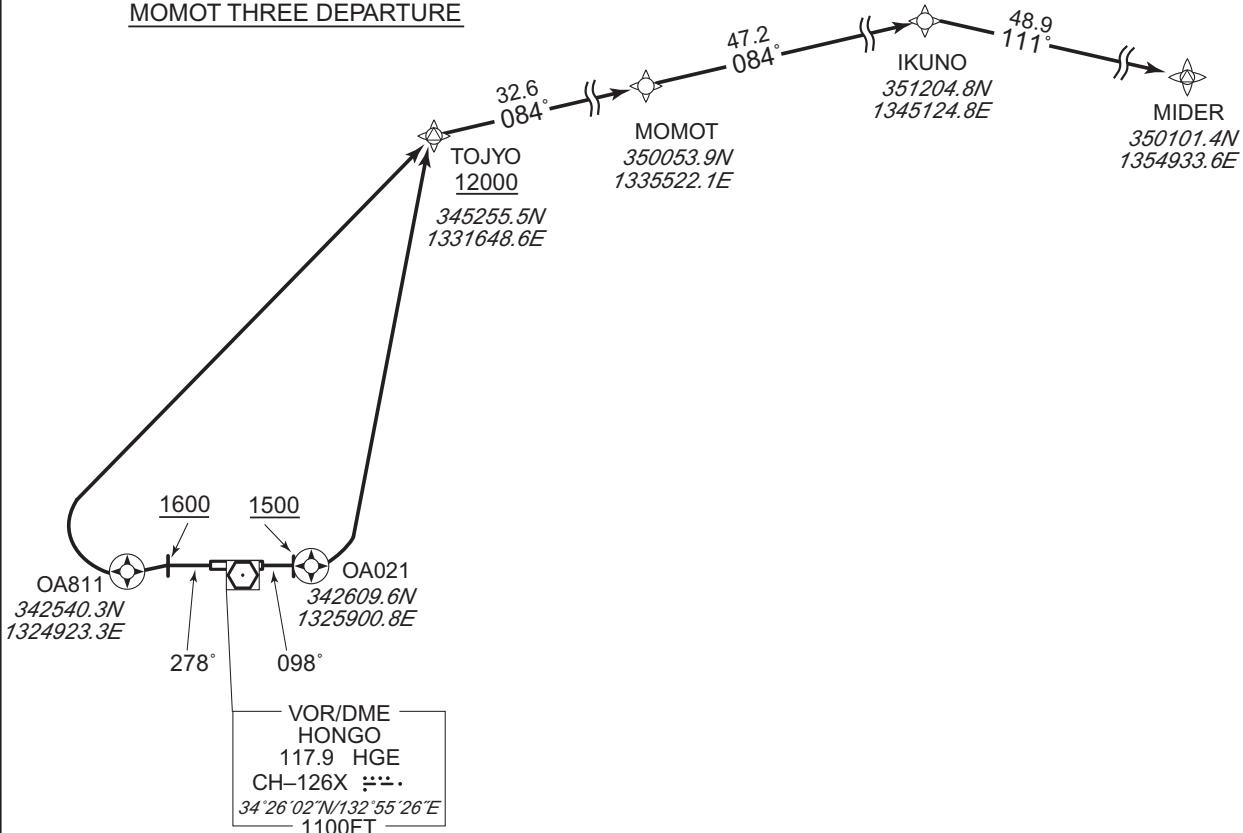
| MOMOT THREE DEPARTURE | | RNAV1 |
|--|-----------------------|---|
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. | Critical DME | HGE : OA021 ~ 27NM to TOJYO TGT : OA021 ~ 24NM to TOJYO OKT : 25NM to IKUNO ~ 19NM to IKUNO |
| 2) RADAR service required. | DME GAP | RWY10 : DER – OA021 RWY28 : DER – 2NM to OA811 |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 8°W (2020)

IKUNO TRANSITION

CHANGE: VAR. PROC course. SID renamed. OTSU VOR/DME(CUE) abolished. MIDER established.

MOMOT THREE DEPARTURE



MOMOT THREE DEPARTURE

RWY10 : Climb on HDG098° at or above 1500FT, direct to OA021, turn left direct to TOJYO at or above 12000FT, to MOMOT.

RWY28 : Climb on HDG278° at or above 1600FT, direct to OA811, turn right direct to TOJYO at or above 12000FT, to MOMOT.

NOTE RWY10 : 5.0% climb gradient required up to 1600FT.

OBST ALT 2090FT located at 5.74NM 087° FM end of RWY10.

RWY28 : 3.6% climb gradient required up to 2700FT.

OBST ALT 2570FT located at 7.71NM 337° FM end of RWY28.

IKUNO TRANSITION

From MOMOT, to IKUNO, to MIDER.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

MOMOT THREE DEPARTURE

RWY10

| 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 | — | — | 098 (090.0) | -7.9 | — | — | +1500 | — | — | RNAV1 |
| 002 | DF | OA021 | Y | — | -7.9 | — | — | — | — | — | RNAV1 |
| 003 | DF | TOJYO | — | — | -7.9 | — | L | +12000 | — | — | RNAV1 |
| 004 | TF | MOMOT | — | 084 (075.7) | -7.9 | 32.6 | — | — | — | — | RNAV1 |

RWY28

| 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 | — | — | 278 (270.0) | -7.9 | — | — | +1600 | — | — | RNAV1 |
| 002 | DF | OA811 | Y | — | -7.9 | — | — | — | — | — | RNAV1 |
| 003 | DF | TOJYO | — | — | -7.9 | — | R | +12000 | — | — | RNAV1 |
| 004 | TF | MOMOT | — | 084 (075.7) | -7.9 | 32.6 | — | — | — | — | RNAV1 |

IKUNO 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 | MOMOT | — | — | -7.9 | — | — | — | — | — | RNAV1 |
| 002 | TF | IKUNO | — | 084 (076.0) | -7.9 | 47.2 | — | — | — | — | RNAV1 |
| 003 | TF | MIDER | — | 111 (102.8) | -7.9 | 48.9 | — | — | — | — | RNAV1 |

CHANGE: VAR. Course FM TOJYO to MOMOT. CUE abolished. MIDER established.

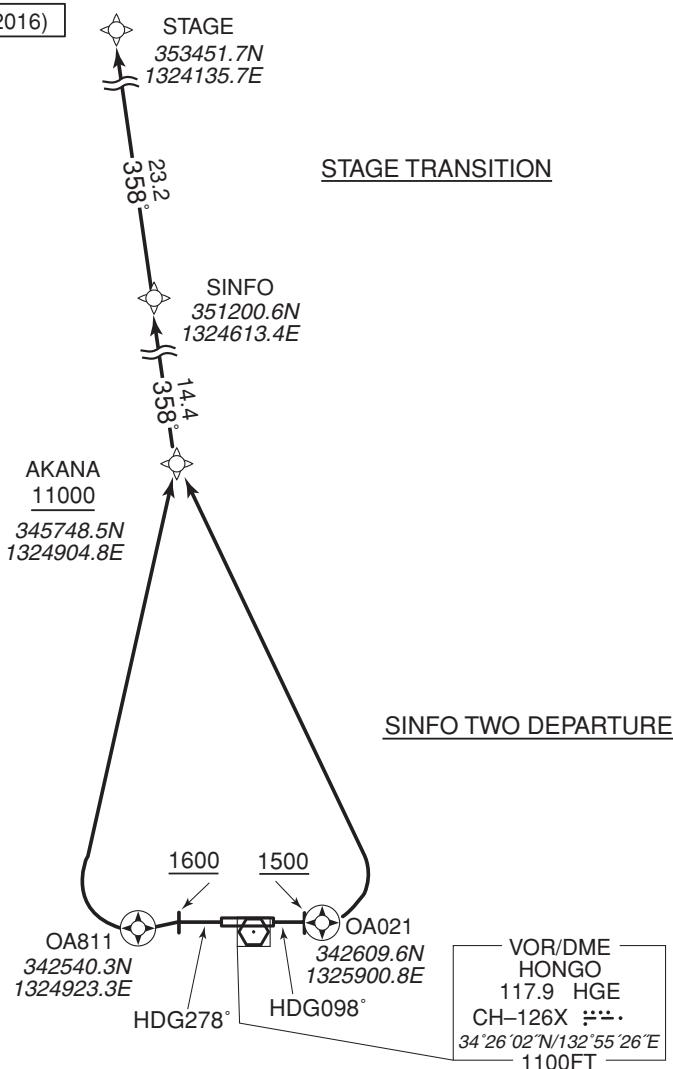
STANDARD DEPARTURE CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

| SINFO 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. | Critical DME | MYE : OA021 ~ 31NM to AKANA TRE : SINFO ~ STAGE |
| 2) RADAR service required. | DME GAP | RWY10 : DER – OA021 RWY28 : DER – 2NM to OA811 |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 8°W (2016)



SINFO TWO DEPARTURE

RWY10 : Climb on HDG098° at or above 1500FT, direct to OA021, turn left direct to AKANA at or above 11000FT, to SINFO.

RWY28 : Climb on HDG278° at or above 1600FT, direct to OA811, turn right direct to AKANA at or above 11000FT, to SINFO.

NOTE RWY10 : 5.0% climb gradient required up to 1800FT.

OBST ALT 1780FT located at 2.30NM 006° FM end of RWY10.

RWY28 : 3.8% climb gradient required up to 3700FT.

OBST ALT 3150FT located at 11.02NM 322° FM end of RWY28.

STAGE TRANSITION

From SINFO, to STAGE.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

SINFO TWO DEPARTURE

RWY10

| 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 | — | — | 098 (090.0) | -7.6 | — | — | +1500 | — | — | RNAV1 |
| 002 | DF | OA021 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | AKANA | — | — | -7.6 | — | L | +11000 | — | — | RNAV1 |
| 004 | TF | SINFO | — | 358 (350.7) | -7.6 | 14.4 | — | — | — | — | RNAV1 |

RWY28

| 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 | — | — | 278 (270.0) | -7.6 | — | — | +1600 | — | — | RNAV1 |
| 002 | DF | OA811 | Y | — | -7.6 | — | — | — | — | — | RNAV1 |
| 003 | DF | AKANA | — | — | -7.6 | — | R | +11000 | — | — | RNAV1 |
| 004 | TF | SINFO | — | 358 (350.7) | -7.6 | 14.4 | — | — | — | — | RNAV1 |

STAGE 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 | SINFO | — | — | -7.6 | — | — | — | — | — | RNAV1 |
| 002 | TF | STAGE | — | 358 (350.6) | -7.6 | 23.2 | — | — | — | — | RNAV1 |

STANDARD ARRIVAL CHART -INSTRUMENT

RJOA / HIROSHIMA

STAR

HONGO ARRIVAL

From over HGE VOR/DME, via HGE R248 to intercept and proceed via HGE 14.0DME clockwise ARC to MISEN.

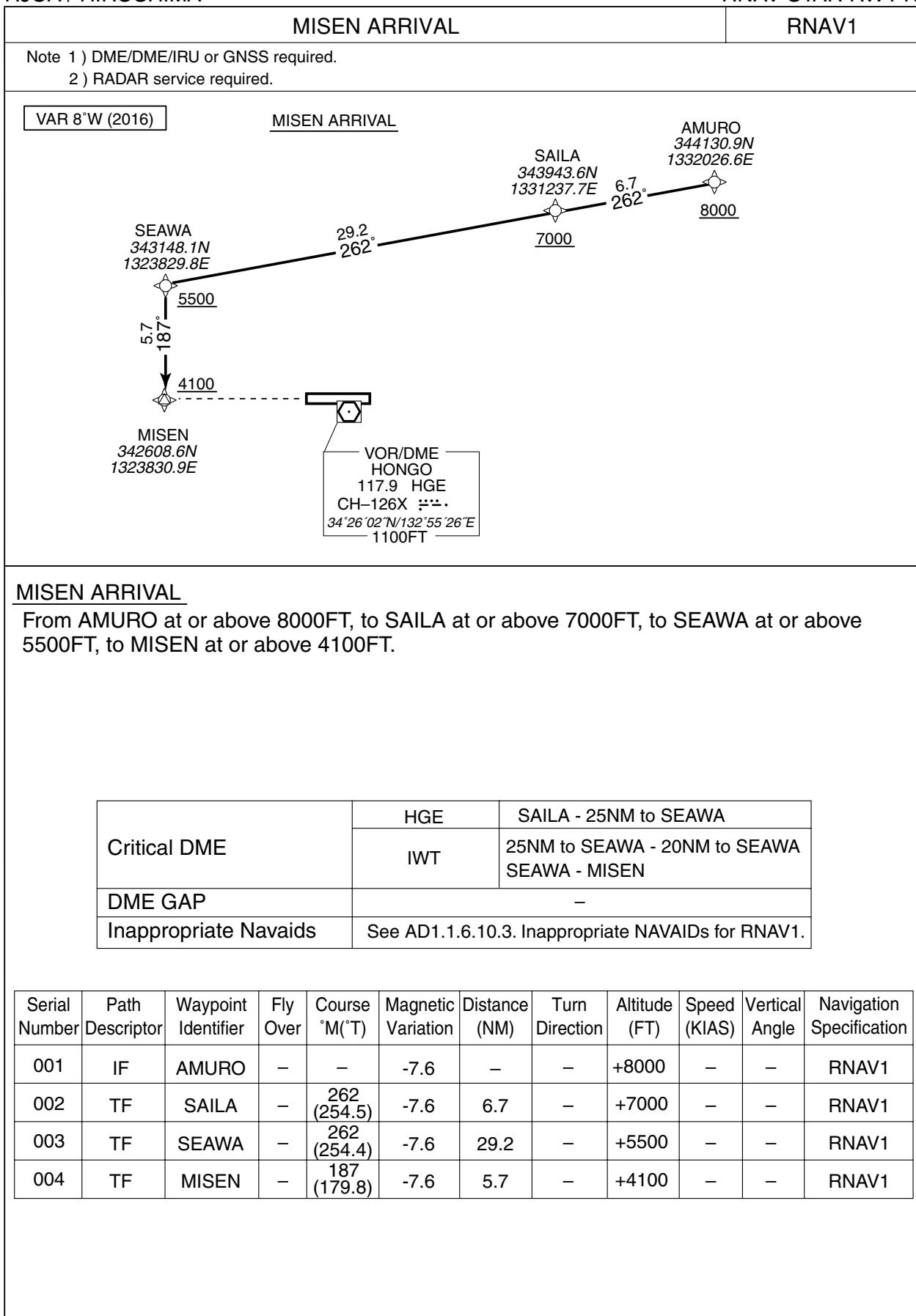
Cross MISEN at or above 4100FT.



STANDARD ARRIVAL CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY10



STANDARD ARRIVAL CHART-INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY10



AXELA ARRIVAL

From AMURO at or above 8000FT, to CAROL between 8000FT and 6000FT, to TIIDA at or above 4000FT, to VISTA, to ATENZ, to AXELA at or above 3300FT.

| | | | |
|-----------------------|--|--|--|
| 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 | AMURO | - | - | -7.6 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | CAROL | - | 221 (213.0) | -7.6 | 6.7 | - | -8000 +6000 | - | - | RNAV1 |
| 003 | TF | TIIDA | - | 221 (213.0) | -7.6 | 5.9 | - | +4000 | - | - | RNAV1 |
| 004 | TF | VISTA | - | 221 (212.9) | -7.6 | 5.7 | - | - | - | - | RNAV1 |
| 005 | TF | ATENZ | - | 221 (212.9) | -7.6 | 6.6 | - | - | - | - | RNAV1 |
| 006 | TF | AXELA | - | 278 (270.1) | -7.6 | 6.9 | - | +3300 | - | - | RNAV1 |

STANDARD ARRIVAL CHART-INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY10

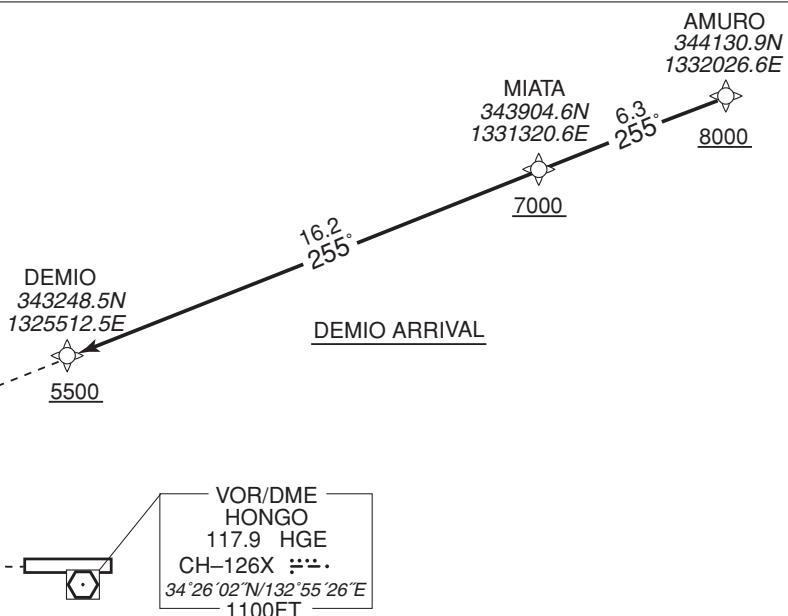
DEMIO ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.

2) RADAR service required.

VAR 8°W (2016)

DEMIO ARRIVAL

From AMURO at or above 8000FT, to MIATA at or above 7000FT, to DEMIO at or above 5500FT.

| | |
|-----------------------|--|
| 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 | AMURO | - | - | -7.6 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | MIATA | - | 255 (247.4) | -7.6 | 6.3 | - | +7000 | - | - | RNAV1 |
| 003 | TF | DEMIO | - | 255 (247.3) | -7.6 | 16.2 | - | +5500 | - | - | RNAV1 |

STANDARD ARRIVAL CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY28



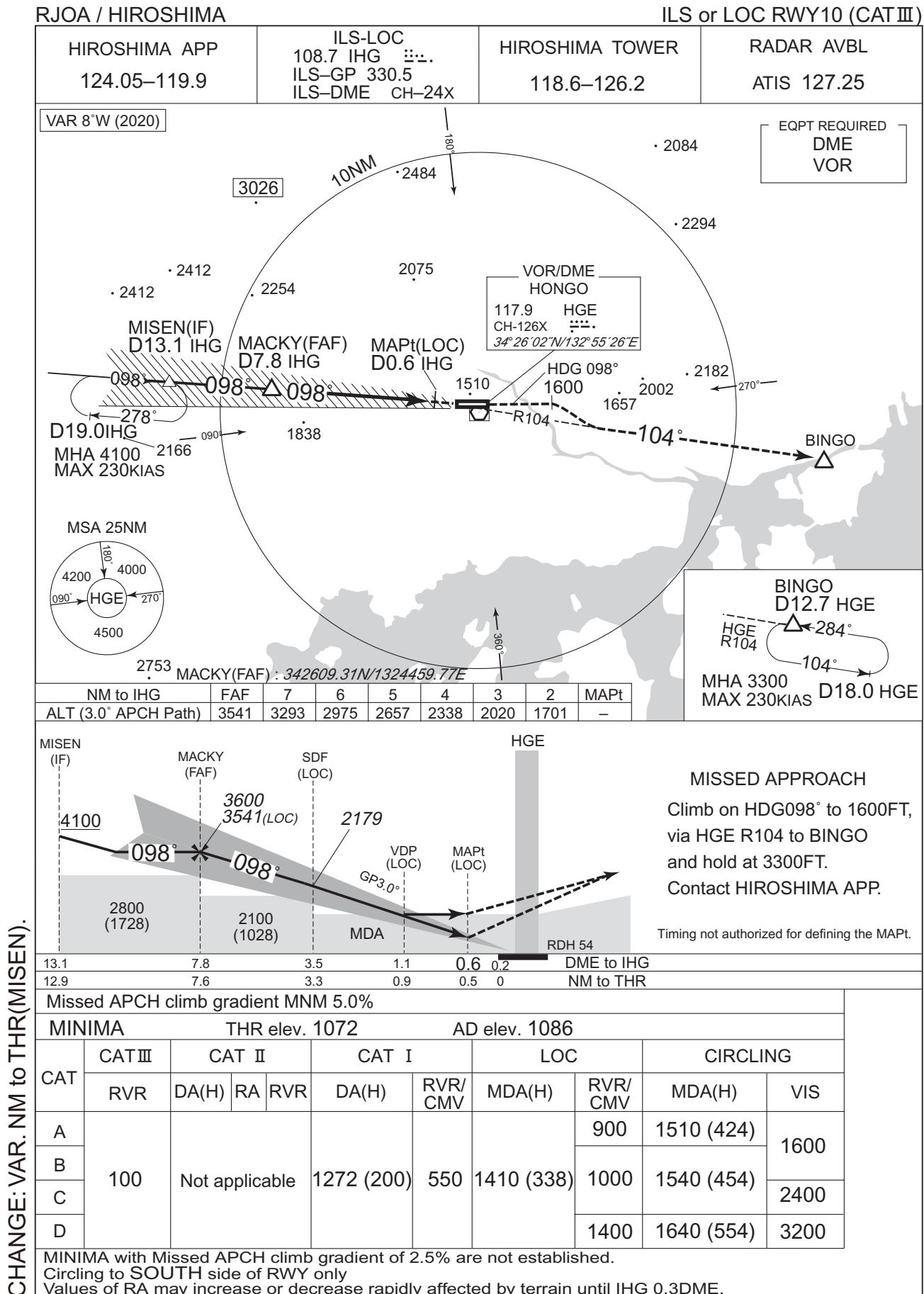
VISTA ARRIVAL

From AMURO at or above 8000FT, to CAROL between 8000FT and 6000FT, to TIIDA at or above 4000FT, to VISTA at or above 3300FT.

| | |
|-----------------------|--|
| 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 | AMURO | - | - | -7.6 | - | - | +8000 | - | - | RNAV1 |
| 002 | TF | CAROL | - | 221 (213.0) | -7.6 | 6.7 | - | -8000 +6000 | - | - | RNAV1 |
| 003 | TF | TIIDA | - | 221 (213.0) | -7.6 | 5.9 | - | +4000 | - | - | RNAV1 |
| 004 | TF | VISTA | - | 221 (212.9) | -7.6 | 5.7 | - | +3300 | - | - | RNAV1 |

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

VOR Y RWY28



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

GNSS and RF required.

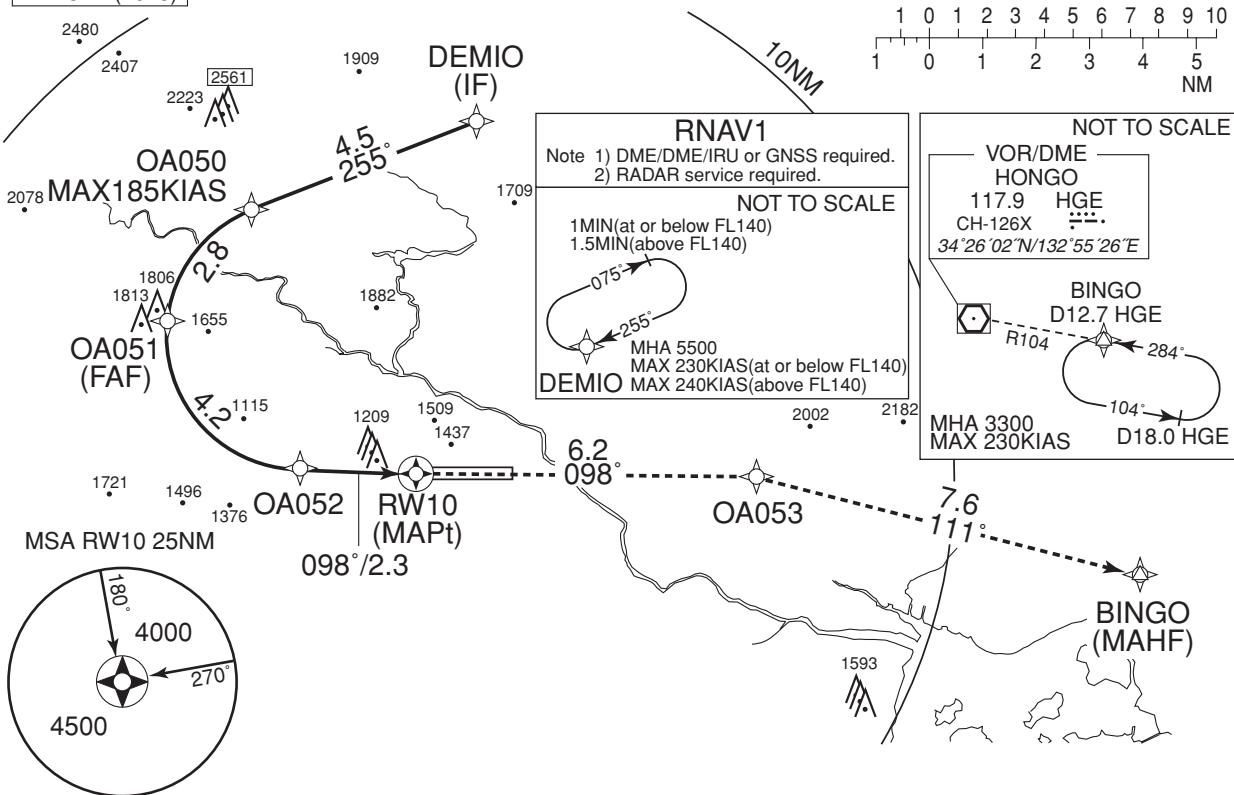
HIROSHIMA TOWER
118.6 - 126.2

AV(RNP) Z RWY10

RADAR AVBL
ATIS 127.25

For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C

VAR 8°W (2016)



OA051(FAF) : 342852.58N/1324816.81E

DEMIO
(IF)

OA050 OA051

0A052

RW10

MISSED APPROACH

Climb to 3300FT, to OA053,
to BINGO and hold.
Contact HIROSHIMA APP.

Flight profile diagram:

- Descent from 5500ft to 3200ft over 6.5NM, heading 255°.
- Climb to 3300FT to OA053 (FAF) over 3.00NM, heading 1874°.
- OA053 (FAF) to OA052.
- OA052 to RW10.
- RW10 to RDH54.
- RDH54 to THR.
- Note: Climb to 3300FT, to OA053, to BINGO and hold. Contact HIROSHIMA APP.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 1072 AD elev. 1086

| CAT | RNP 0.10 | | RNP 0.30 | |
|-----|-----------|---------|-----------|---------|
| | DA(H) | RVR/CMV | DA(H) | RVR/CMV |
| A | - | - | - | - |
| B | | | | |
| C | 1515(443) | 1000 | 1598(526) | 1200 |
| D | | 1400 | | 1600 |

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

RNP AR

INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNAV(RNP) Z RWY10

RNAV(RNP) Z RWY10Coding 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 | DEMIO | — | — | -7.6 | — | — | +5500 | — | — | — |
| 002 | TF | OA050 | — | 255 (247.1) | -7.6 | 4.5 | — | +3200 | -185 | — | 1.0 |
| 003 | RF Center: OARF1 r=2.54NM | OA051 | — | — | -7.6 | 2.8 | L | 3200 | — | — | 1.0 |
| 004 | RF Center: OARF1 r=2.54NM | OA052 | — | — | -7.6 | 4.2 | L | 1874 | — | -3.00 | 0.10 0.30 |
| 005 | TF | RW10 | Y | 098 (090.0) | -7.6 | 2.3 | — | 1126 | — | -3.00/54 | 0.10 0.30 |
| 006 | TF | OA053 | — | 098 (090.0) | -7.6 | 6.2 | — | — | — | — | 1.0 |
| 007 | TF | BINGO | — | 111 (103.2) | -7.6 | 7.6 | — | 3300 | — | — | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | DEMIO | 255 (247.1) | -7.6 | 1.0(-14000) 1.5(+14001) | R | 5500 | — | -230(-14000) -240(+14001) | RNAV1 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| DEMIO | 343248.47N/1325512.50E | OARF1 | 342842.28N/1325120.72E |
| OA050 | 343102.99N/1325009.23E | | |
| OA051 | 342852.58N/1324816.81E | | |
| OA052 | 342609.63N/1325120.84E | | |
| RW10 | 342609.69N/1325411.25E | | |
| OA053 | 342609.67N/1330143.51E | | |
| BINGO | 342425.72N/1331040.68E | | |

INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNAV(RNP) Y RWY10

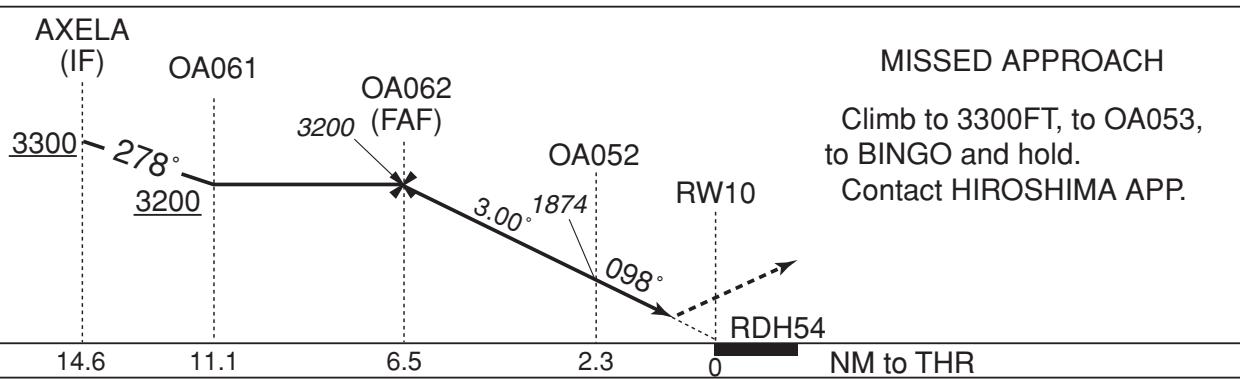
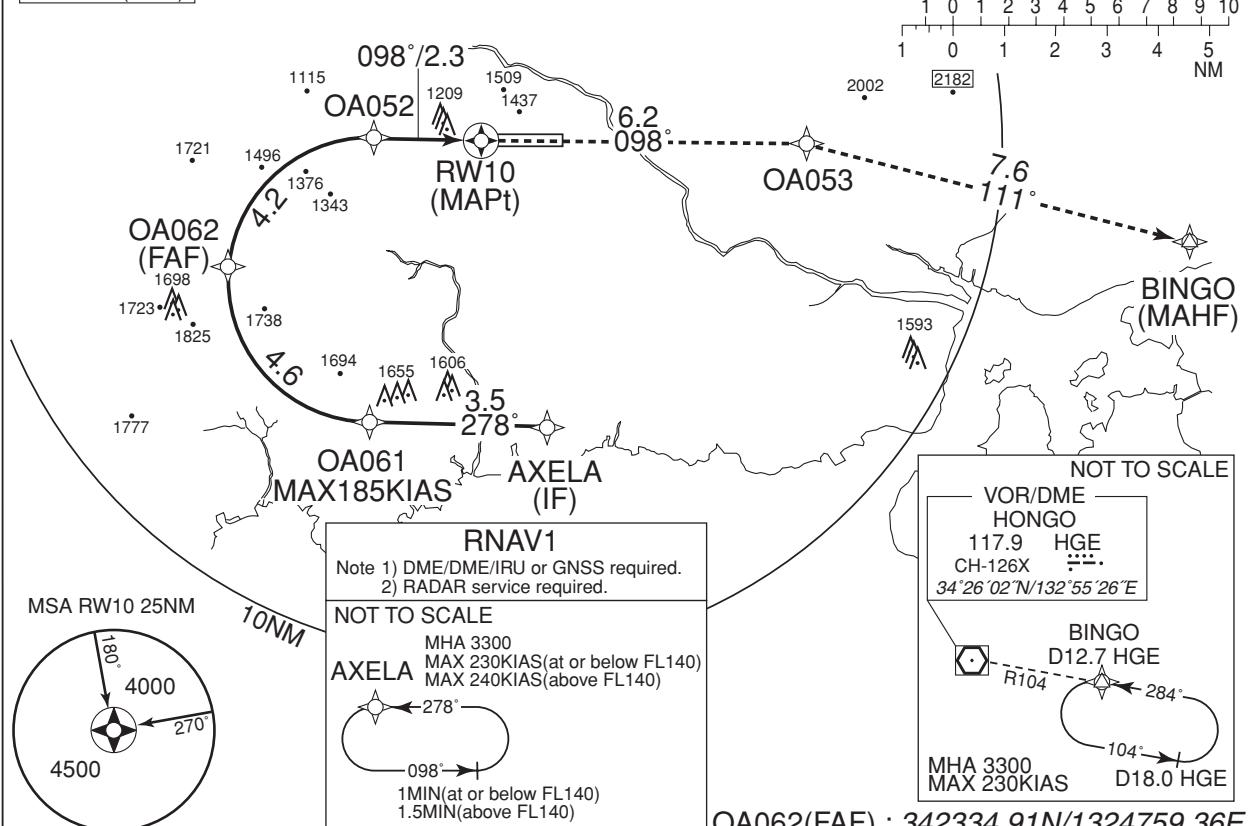
HIROSHIMA APP
124.05–119.9

GNSS and RF required.

HIROSHIMA TOWER
118.6–126.2RADAR AVBL
ATIS 127.25

For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C

VAR 8°W (2016)



MISSSED APPROACH

Climb to 3300FT, to OA053,
to BINGO and hold.
Contact HIROSHIMA APP.

Missed APCH climb gradient MNM 5.0%

| MINIMA | | THR elev. 1072 | | AD elev. 1086 | |
|--------|-----------|----------------|-----------|---------------|--|
| CAT | RNP 0.10 | | RNP 0.30 | | |
| | DA(H) | RVR/CMV | DA(H) | RVR/CMV | |
| A | — | — | — | — | |
| B | | | | | |
| C | 1515(443) | 1000 | 1598(526) | 1200 | |
| D | | 1400 | | 1600 | |

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

RNP AR
Special Authorization Required

INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNAV(RNP) Y RWY10

RNAV(RNP) Y RWY10

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 | AXELA | – | – | -7.6 | – | – | +3300 | – | – | 1.0 |
| 002 | TF | OA061 | – | 278 (270.0) | -7.6 | 3.5 | – | +3200 | -185 | – | 1.0 |
| 003 | RF Center: OARF2 r=2.79NM | OA062 | – | – | -7.6 | 4.6 | R | 3200 | – | – | 1.0 |
| 004 | RF Center: OARF2 r=2.79NM | OA052 | – | – | -7.6 | 4.2 | R | 1874 | – | -3.00 | 0.10 0.30 |
| 005 | TF | RW10 | Y | 098 (090.0) | -7.6 | 2.3 | – | 1126 | – | -3.00/54 | 0.10 0.30 |
| 006 | TF | OA053 | – | 098 (090.0) | -7.6 | 6.2 | – | – | – | – | 1.0 |
| 007 | TF | BINGO | – | 111 (103.2) | -7.6 | 7.6 | – | 3300 | – | – | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | AXELA | 278 (270.0) | -7.6 | 1.0(-14000) 1.5(+14001) | L | 3300 | – | -230(-14000) -240(+14001) | RNAV1 |

Waypoint Coordinates

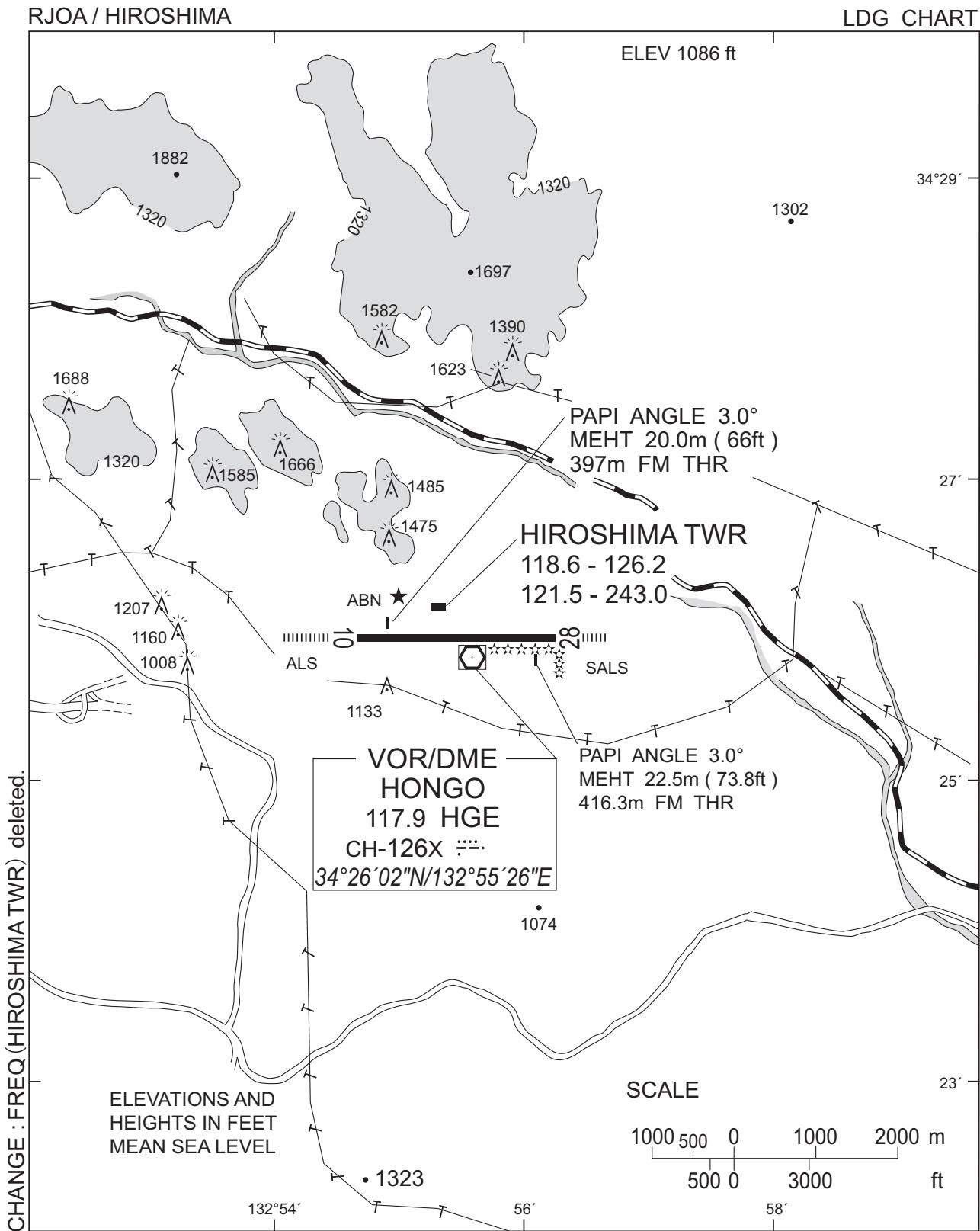
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| AXELA | 342034.40N/1325534.80E | OARF2 | 342321.96N/1325120.96E |
| OA061 | 342034.29N/1325121.21E | | |
| OA062 | 342334.91N/1324759.36E | | |
| OA052 | 342609.63N/1325120.84E | | |
| RW10 | 342609.69N/1325411.25E | | |
| OA053 | 342609.67N/1330143.51E | | |
| BINGO | 342425.72N/1331040.68E | | |

RJOA / HIROSHIMA

Visual REP



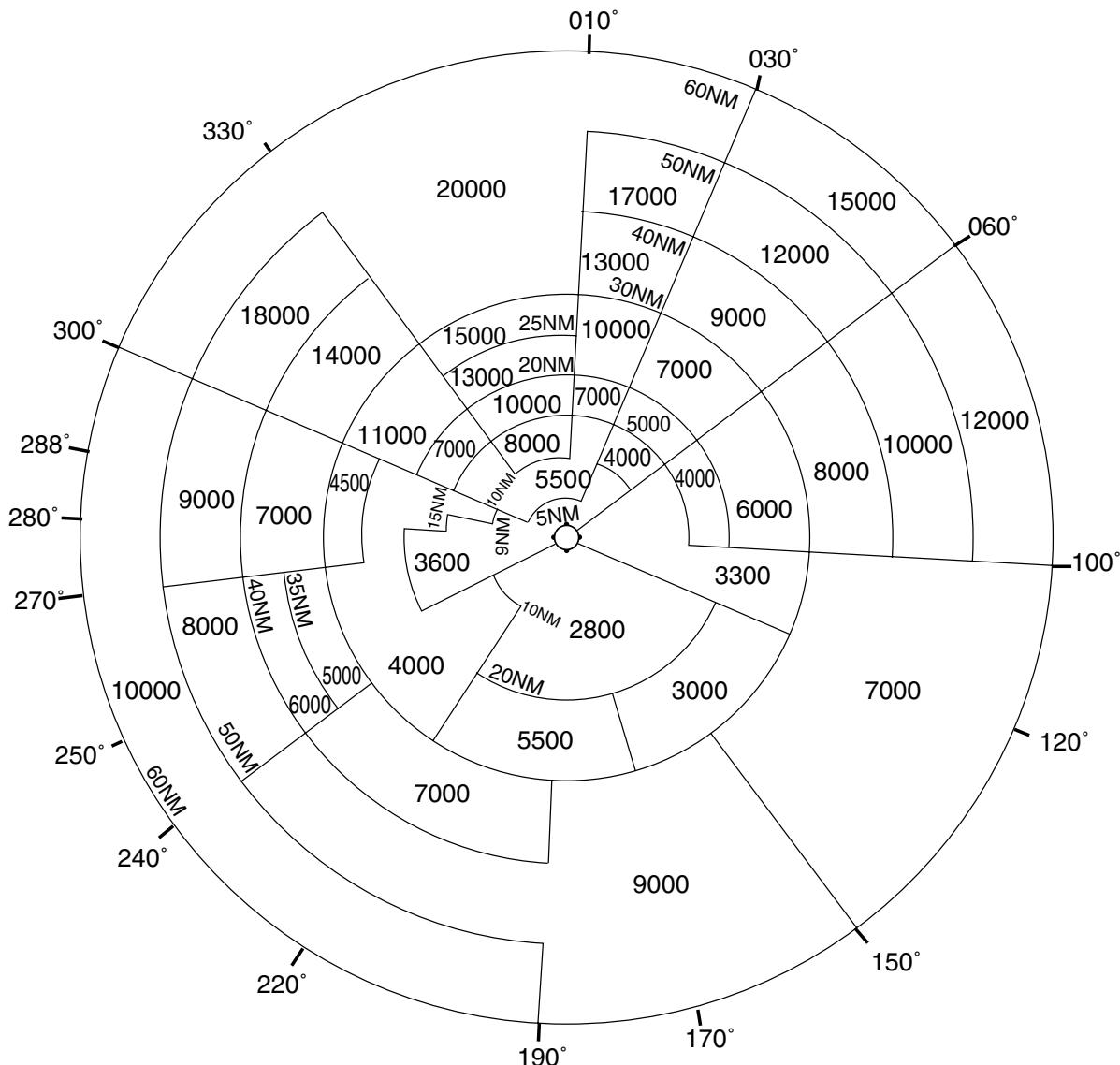
| Call sign | BRG / DIST from ARP | Remarks |
|-----------------------|---------------------|------------------------------|
| 白竜 Hakuryu | 352° / 4.3NM | 湖 Lake |
| 小佐木 Kosagi | 122°/10.1NM | 小佐木島 Kosagi - Island |
| 竹原 Takehara | 192° / 5.8NM | 竹原駅 Railway station |
| 三永サウス Minaga South | 257° / 8.4NM | 東広島駅 Railway station |
| 新庄 Shinjo | 215° / 2.9NM | 新庄交差点 Shinjo Intersection |



RJOA / HIROSHIMA

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



CENTER : 342602N/1325458E (RADAR SITE)