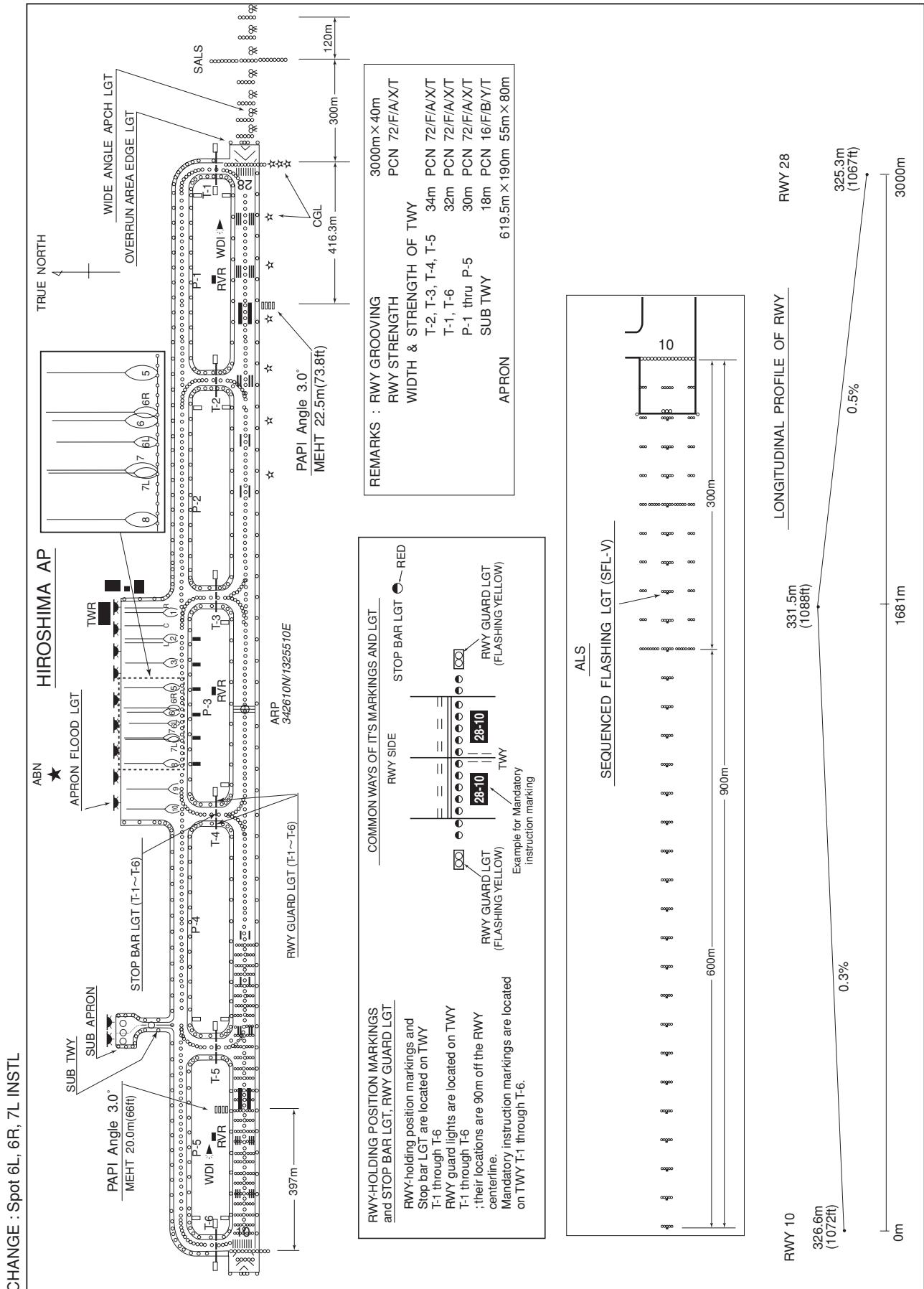


RJOA / HIROSHIMA

AD CHART

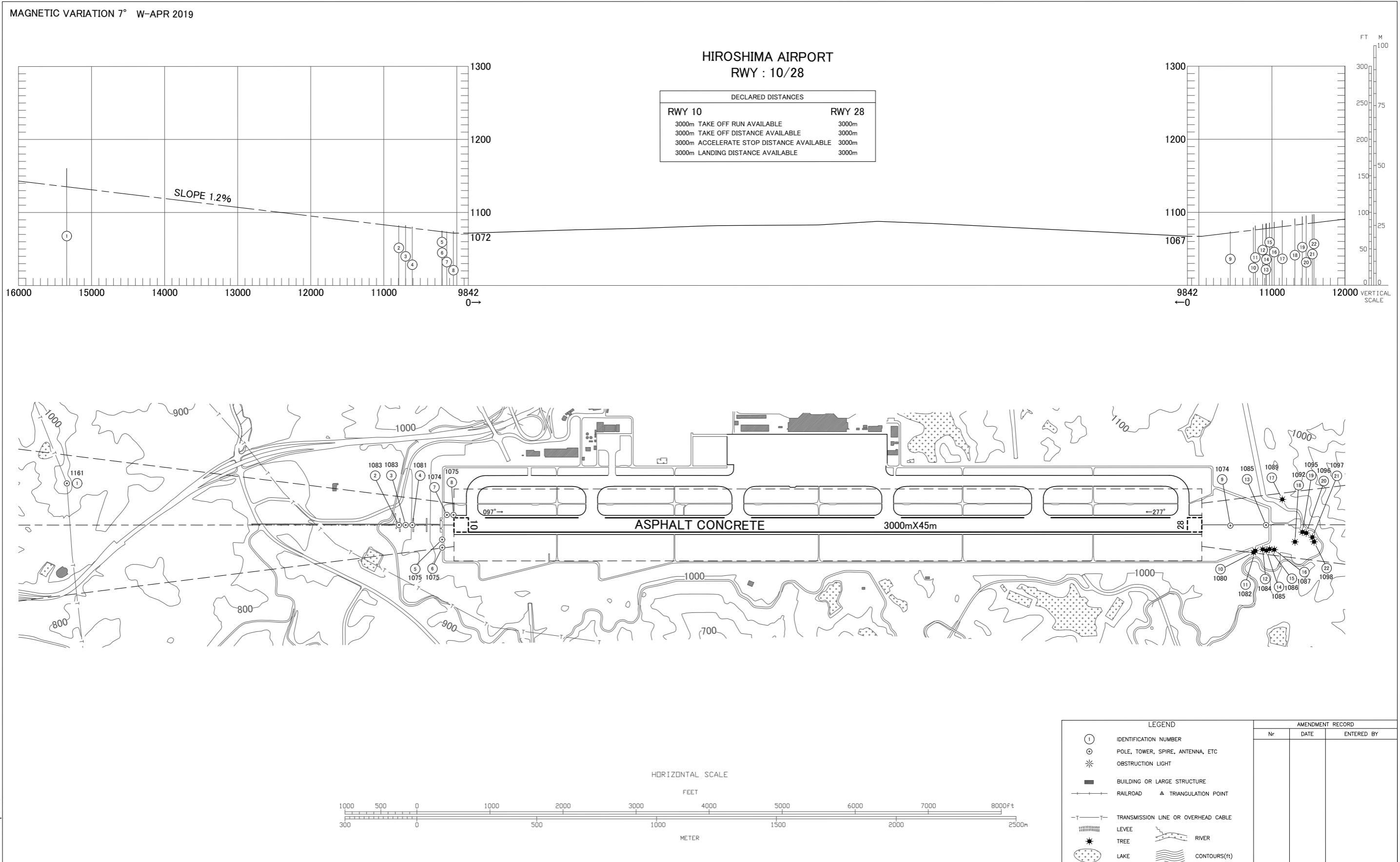


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AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

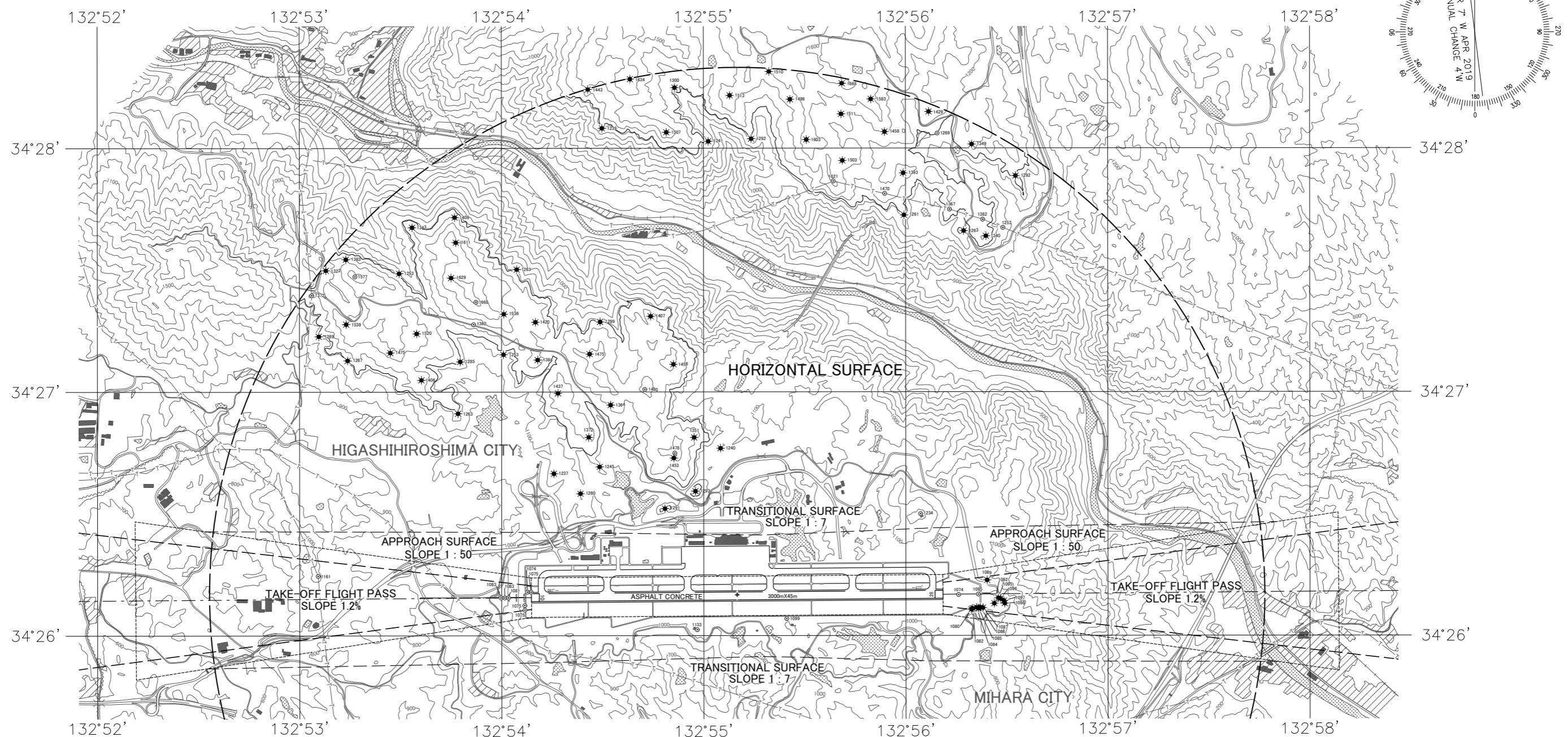
MAGNETIC VARIATION 7° W-APR 2019



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO
TYPE B (OPERATING LIMITATIONS)

AERODROME ELEVATION 1086ft ARP



LEGEND			AMENDMENT RECORD		
NO	DATE	ENTERED BY			
			+ AERODROME REFERENCE POINT 34°26'10"N 132°55'10"E		
			◎ POLE, TOWER, SPIRE, ANTENNA, ETC		
			★ AERONAUTICAL GROUND LIGHT		
			* OBSTRUCTION LIGHT		
			- - - BUILDING OR LARGE STRUCTURE		
			— RAILROAD	○ TERRAIN PENETRATING OBSTACLE PLANE	
			- - - TRANSMISSION LINE OR OVERHEAD CABLE		
			*	LEVEE	
				RIVER	
				LAKE	
				WAVES	
				CONTOURS(ft)	

CHANGE:Update

PRECISION APPROACH TERRAIN CHART-ICAO

PRCISION 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.

OTSU TRANSITION

From over TOJYO, proceed via YME R256 to TOZAN, via CUE R291 to CUE 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.

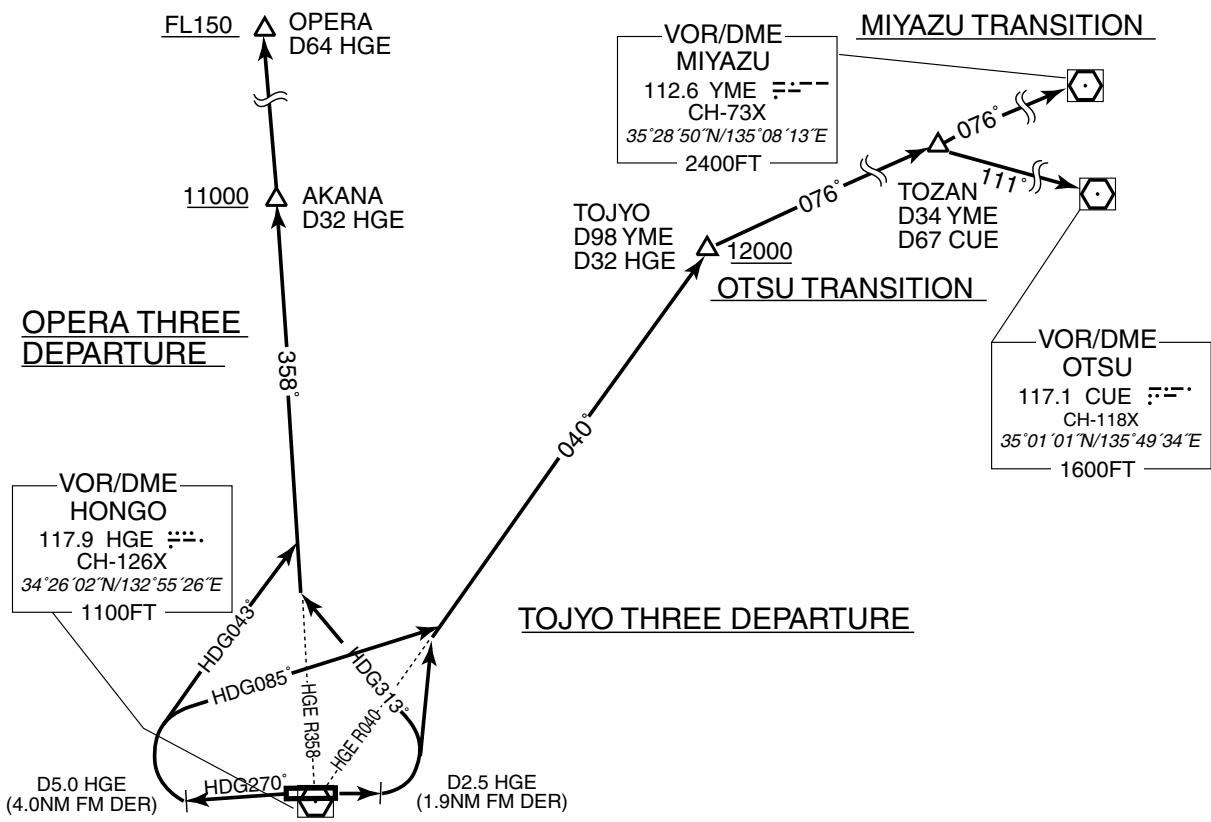
Cross AKANA at or above 11000FT, cross OPERA at or above FL150.

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.



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.

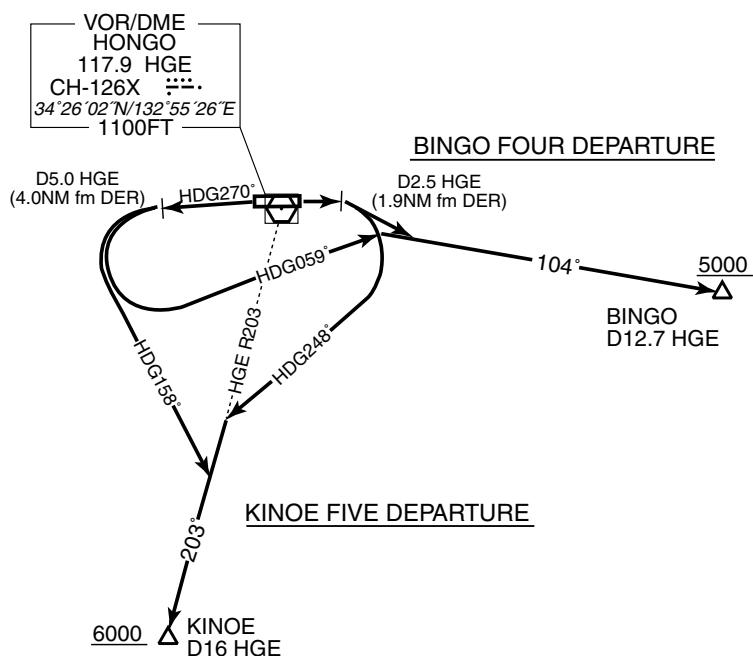
Cross BINGO at or above 5000FT.

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.

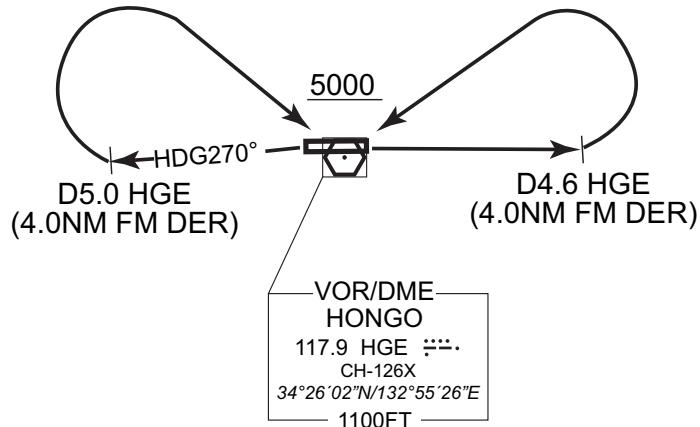
Note : RWY10 : 3.8% climb gradient required up to 2300FT.

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 HDG098° and HDG278°. 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

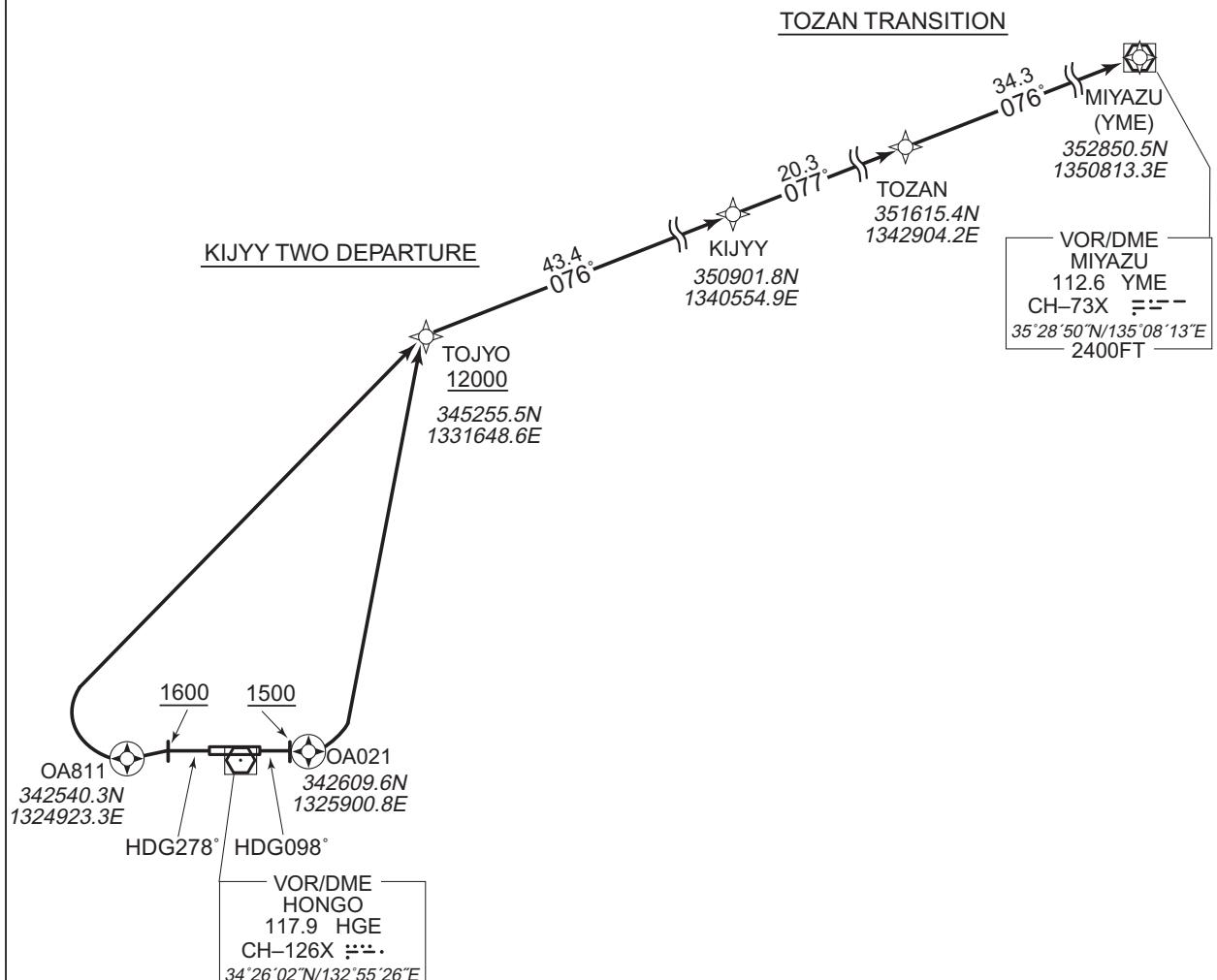
RJOA / HIROSHIMA

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 TZT : 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 NAV/AIDs for RNAV1	

VAR 8°W (2016)

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° EM end of RWY10

BEST ALT 2000FT located at 3.74NM 087
RWY28 : 3.6% climb gradient required up to 2700FT

OBST ALT 2570FT located at 7 71NM 337° EM 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

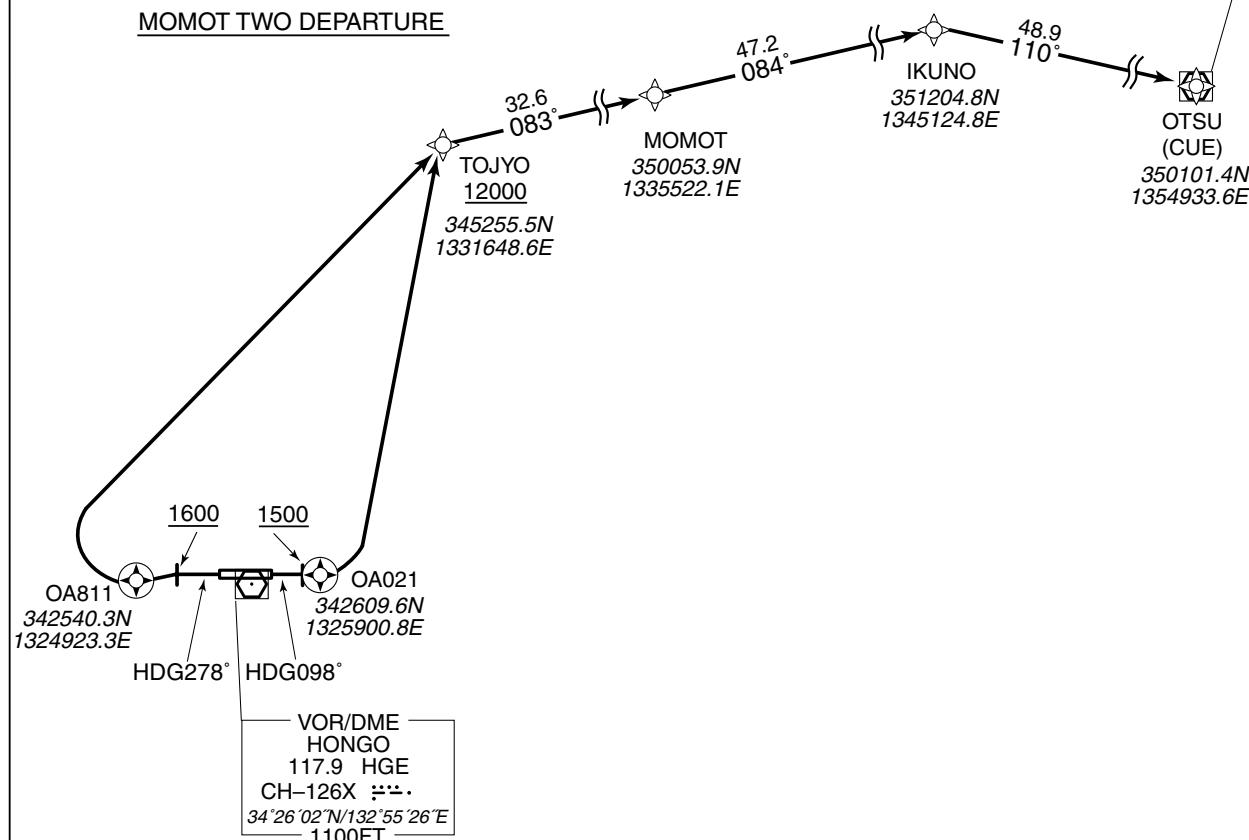
RNAV SID and TRANSITION

MOMOT 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 TZT : 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 (2016)

IKUNO TRANSITION

VOR/DME
OTSU
117.1 CUE
CH-118X 35°01'01"N/135°49'34"E
1600FT



MOMOT TWO 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 CUE.

STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

MOMOT 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	MOMOT	—	083 (075.7)	-7.6	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)	-7.6	—	—	+1600	—	—	RNAV1
002	DF	OA811	Y	—	-7.6	—	—	—	—	—	RNAV1
003	DF	TOJYO	—	—	-7.6	—	R	+12000	—	—	RNAV1
004	TF	MOMOT	—	083 (075.7)	-7.6	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	—	—	-7.6	—	—	—	—	—	RNAV1
002	TF	IKUNO	—	084 (076.0)	-7.6	47.2	—	—	—	—	RNAV1
003	TF	CUE	—	110 (102.8)	-7.6	48.9	—	—	—	—	RNAV1

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.

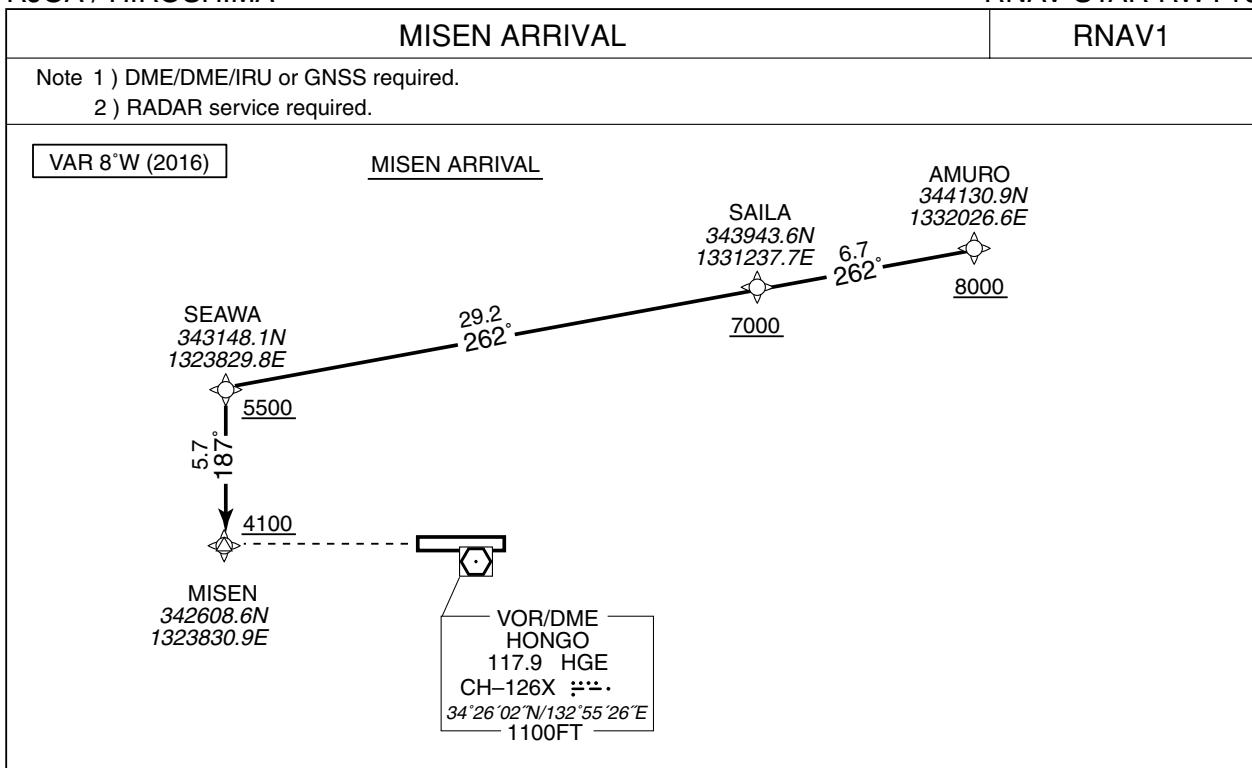
Cross MISEN at or above 4100FT.



STANDARD ARRIVAL CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY10

MISEN ARRIVAL

From AMURO at or above 8000FT, to SAILA at or above 7000FT, to SEAWA at or above 5500FT, to MISEN at or above 4100FT.

Critical DME	HGE	SAILA - 25NM to SEAWA
	IWT	25NM to SEAWA - 20NM to SEAWA SEAWA - MISEN
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	SAILA	-	262 (254.5)	-7.6	6.7	-	+7000	-	-	RNAV1
003	TF	SEAWA	-	262 (254.4)	-7.6	29.2	-	+5500	-	-	RNAV1
004	TF	MISEN	-	187 (179.8)	-7.6	5.7	-	+4100	-	-	RNAV1

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

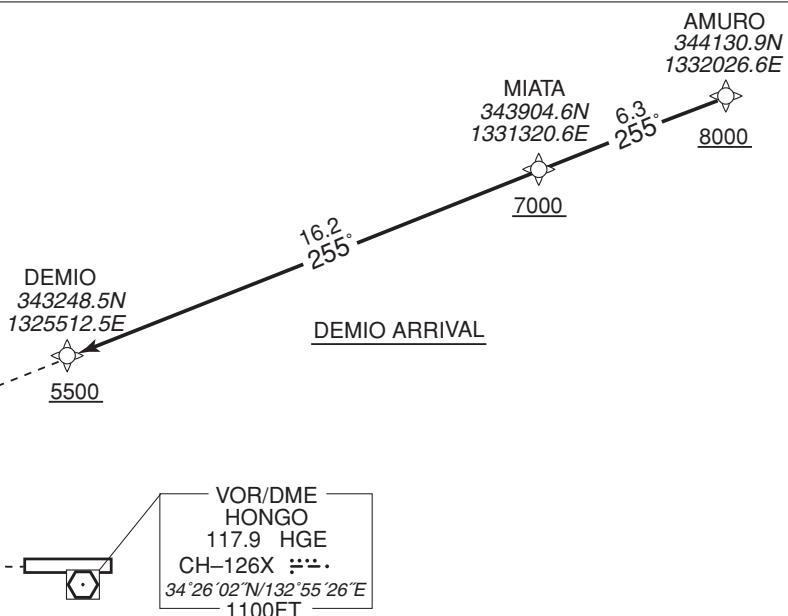
DEMIO ARRIVAL

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.

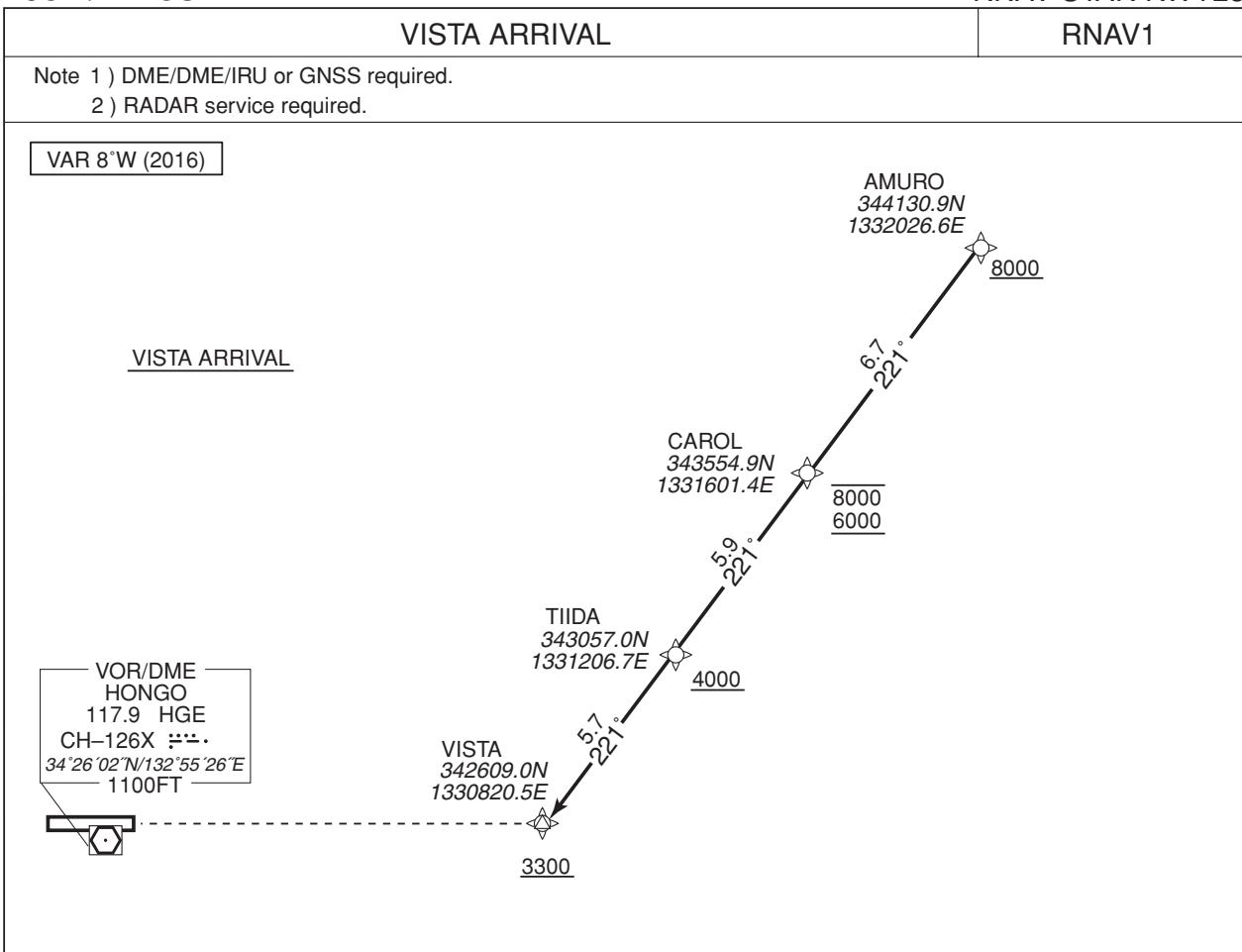
Critical DME	-
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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.

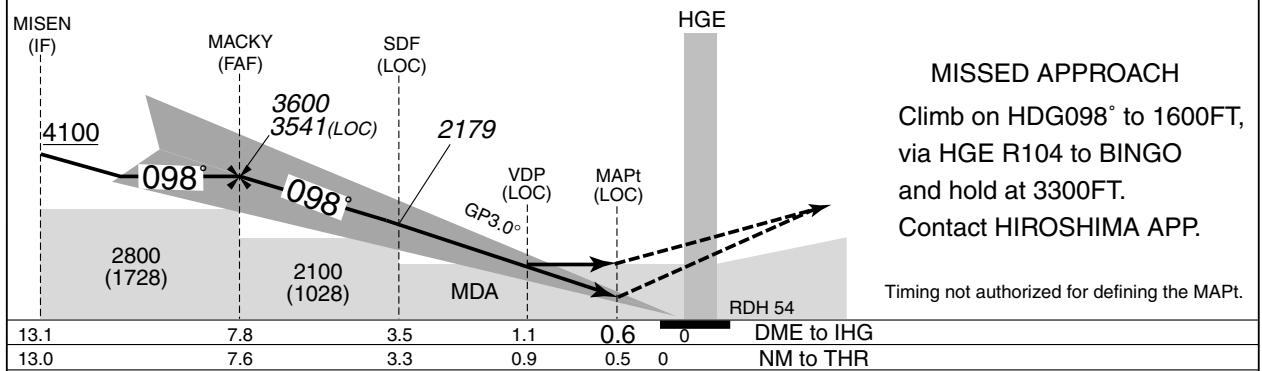
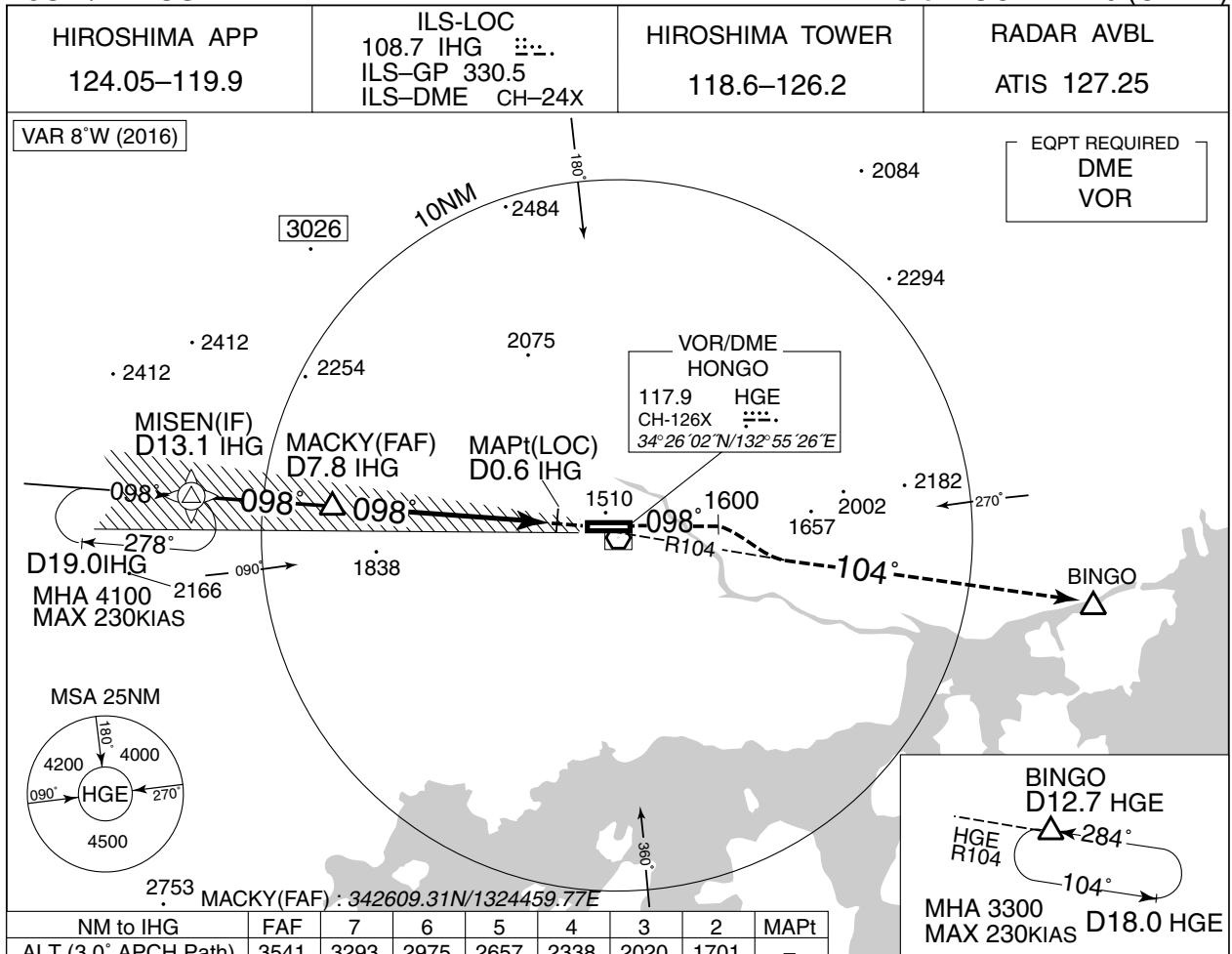
Critical DME	-
DME GAP	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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

RJOA / HIROSHIMA

ILS or LOC RWY10 (CAT III)



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 1072 AD elev. 1086

CAT	CAT III B		CAT III A		CAT II		CAT I		LOC		CIRCLING	
	RVR	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS	
A									900	1510 (424)		1600
B	100	200	Not applicable		1272 (200)	550	1410 (338)		1000	1540 (454)		2400
C									1400	1640 (554)		3200
D												

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

Circling to SOUTH side of RWY only

Values of RA may increase or decrease rapidly affected by terrain until IHG 0.3DME.

INSTRUMENT APPROACH CHART

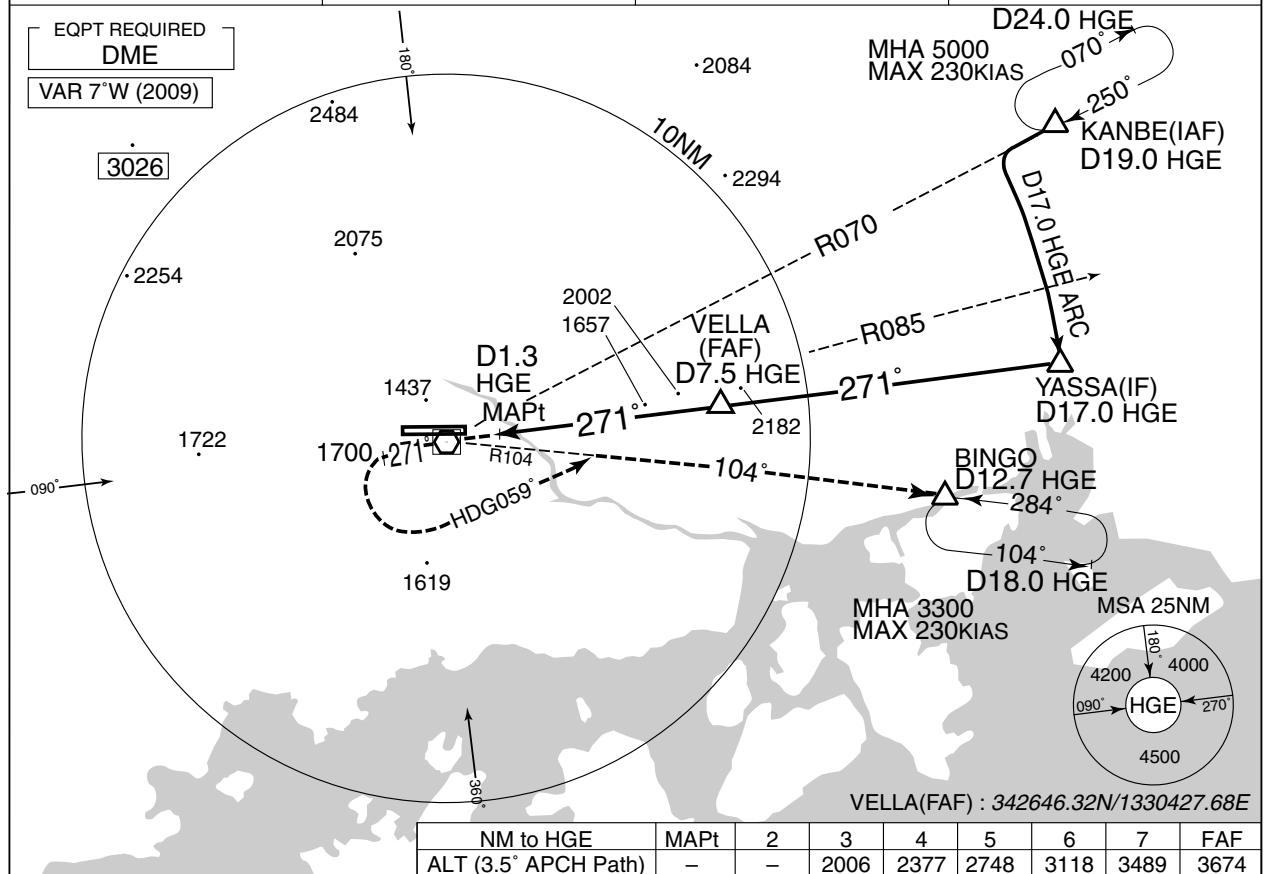


INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

VOR Z RWY28

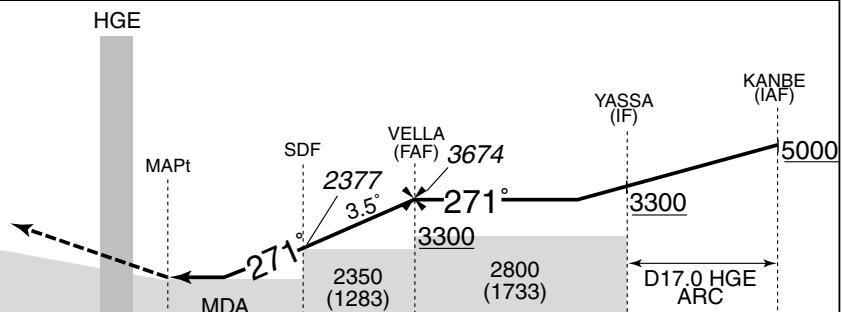
HOKA / HIROSHIMA	HONGO VOR/DME 117.9 HGE CH-126X ♫ 34°26'02"N/132°55'26"E	HIROSHIMA TOWER 118.6 - 126.2	VOR 21 RW12 RADAR AVBL ATIS 127.25
HIROSHIMA APP 124.05 – 119.9			



MISSED APPROACH
Climb to 1700FT on HDG271°,
turn left climb to 3300FT via
HDG059° to intercept and
proceed via HGE R104
to BINGO and hold

Contact HIROSHIMA APP

PAPI and descent angles not coincident.
Timing not authorized for defining the MAPt.



DME to HGE	0	1.3	4.0	7.5	17.0
NM to THR	0	0.8	3.4	6.9	16.4

MINIMA		THR elev. 1067	AD elev. 1086	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	1420 (353)	1200	1510 (424)	1600
B	1450 (383)	1300	1540 (454)	
C	1480 (413)	1400		2400
D	1500 (433)	1600	1640 (554)	3200

Circling to **SOUTH** side of RWY only

VDP not applicable.

INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

VOR Y RWY28



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

GNSS and RF required.

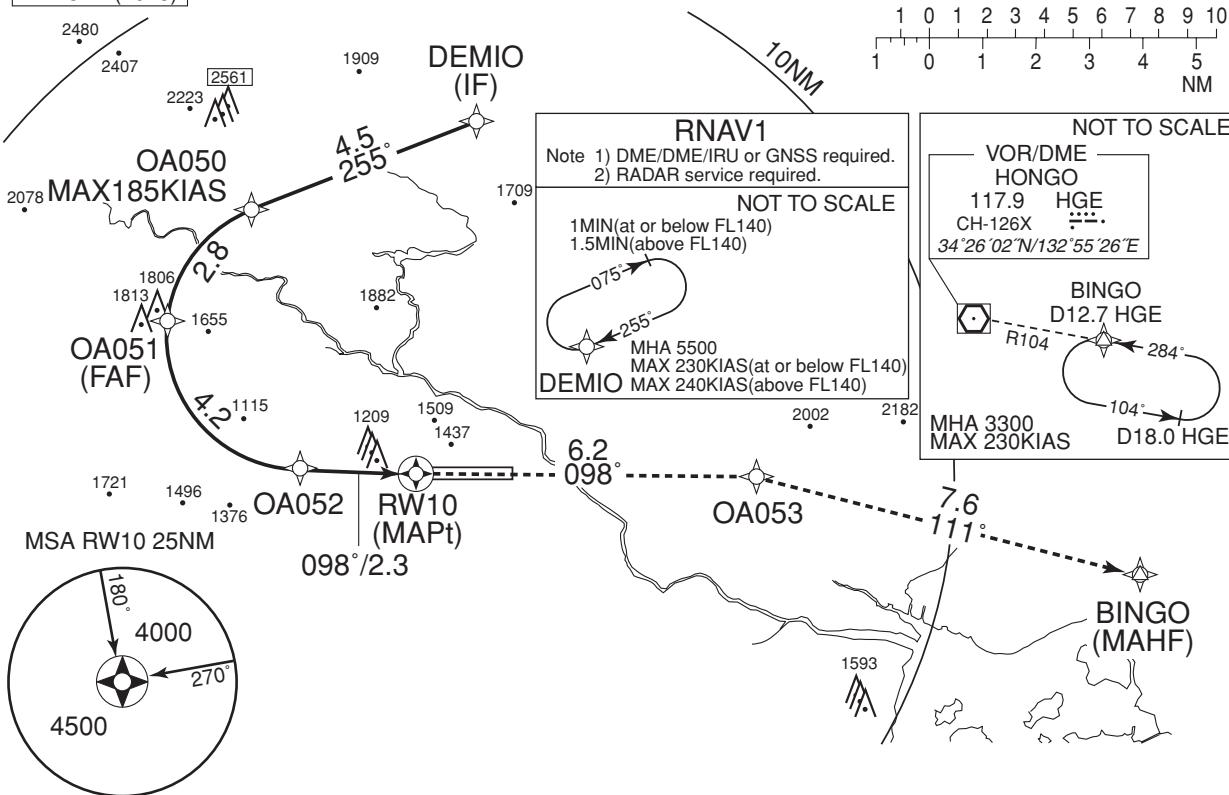
HIROSHIMA TOWER
118.6 120.6

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

OA052

RW10

MISSED APPROACH

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

5500

255°

3200 (FAF)

OA051

3.00° 1874

OA052

RW10

098°

RDH54

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

13.8 9.3 6.5 2.3 0 NM to THR

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

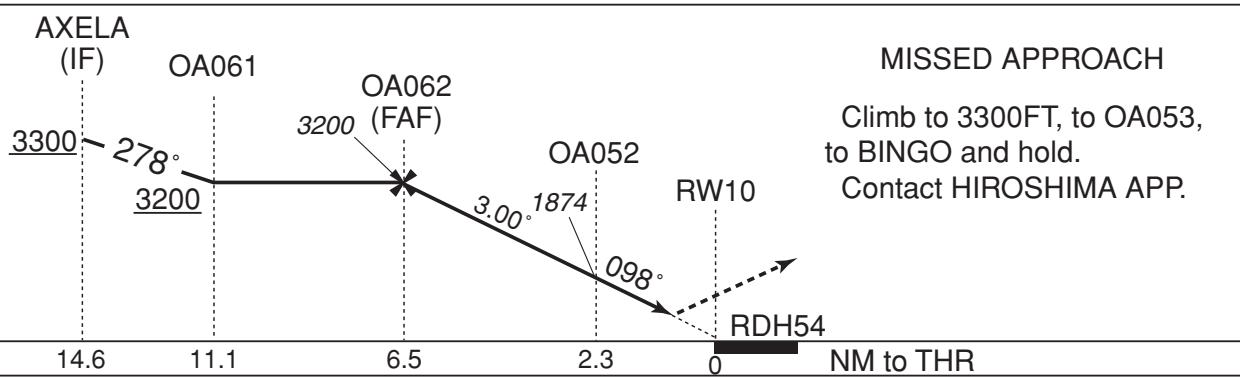
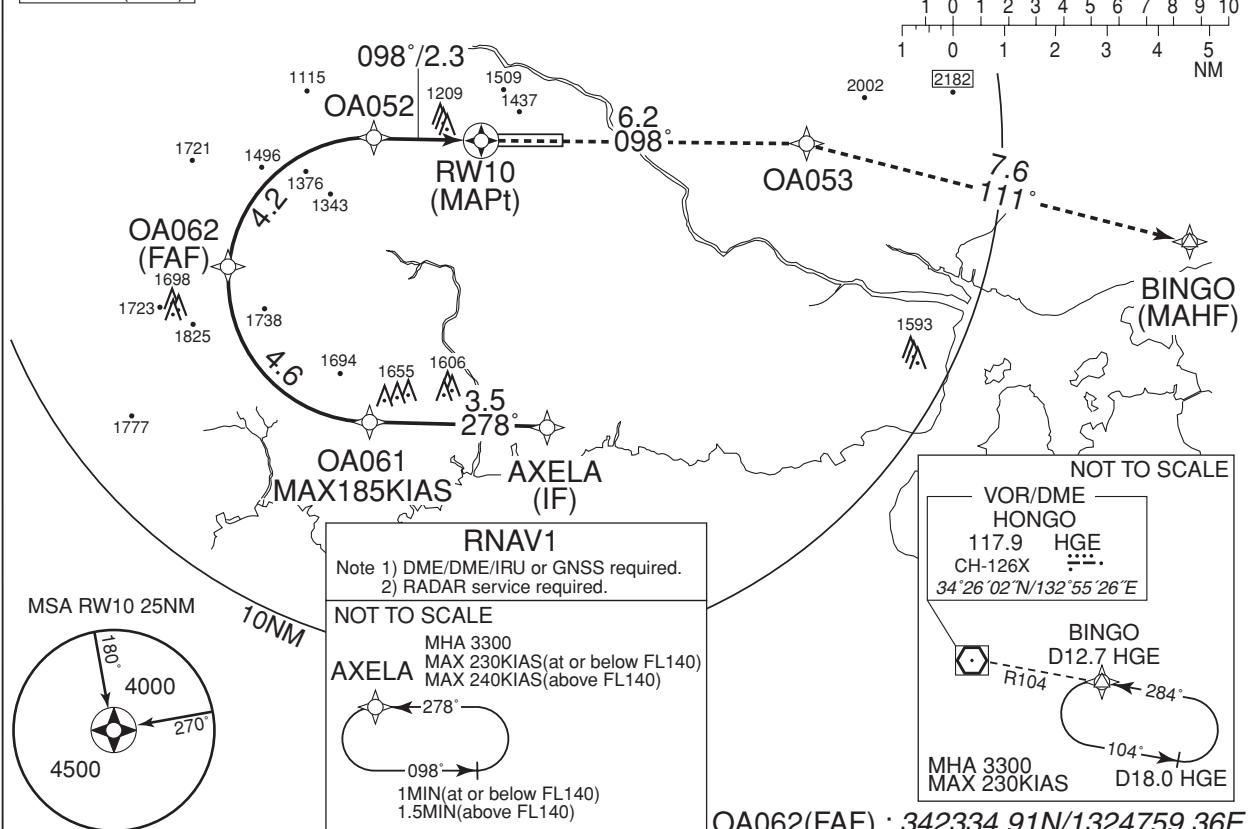
HIROSHIMA APP
124.05–119.9

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

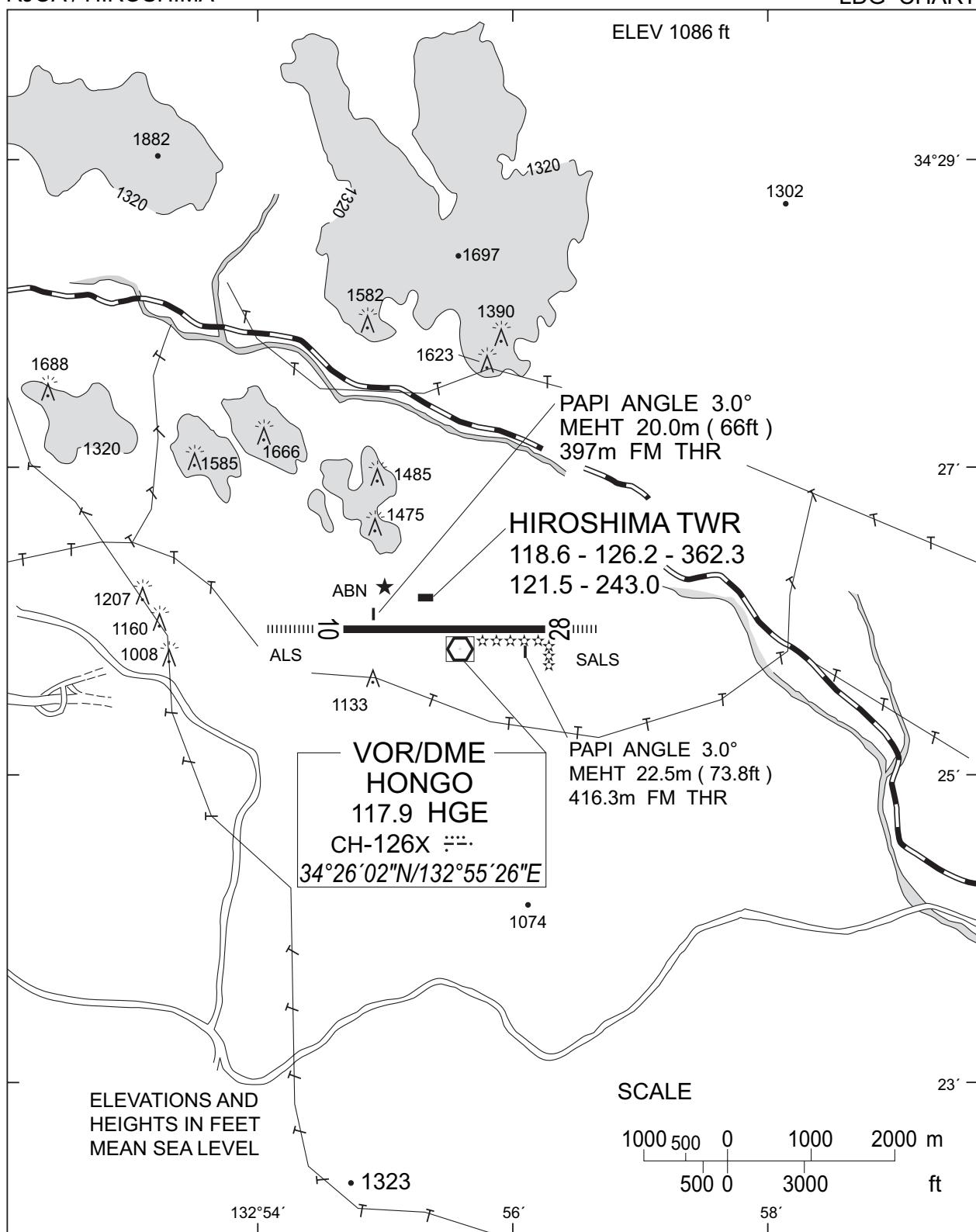
Visual REP



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

LDG CHART



RJOA / HIROSHIMA

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



CENTER : 342602N/1325458E (RADAR SITE)