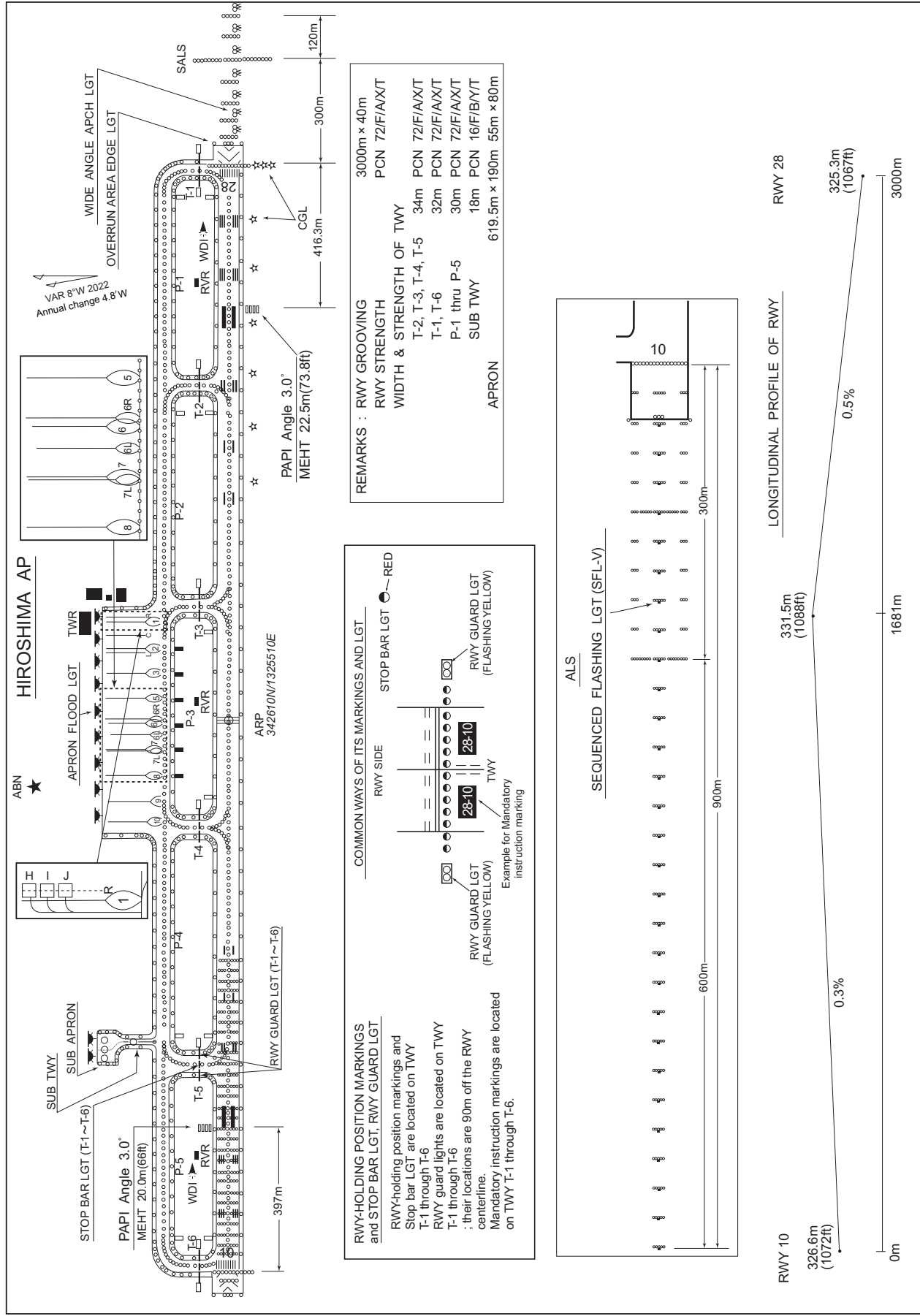


RJOA / HIROSHIMA

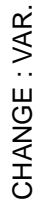
AD CHART

CHANGE : VAR.



**INTENTIONALLY LEFT BLANK**

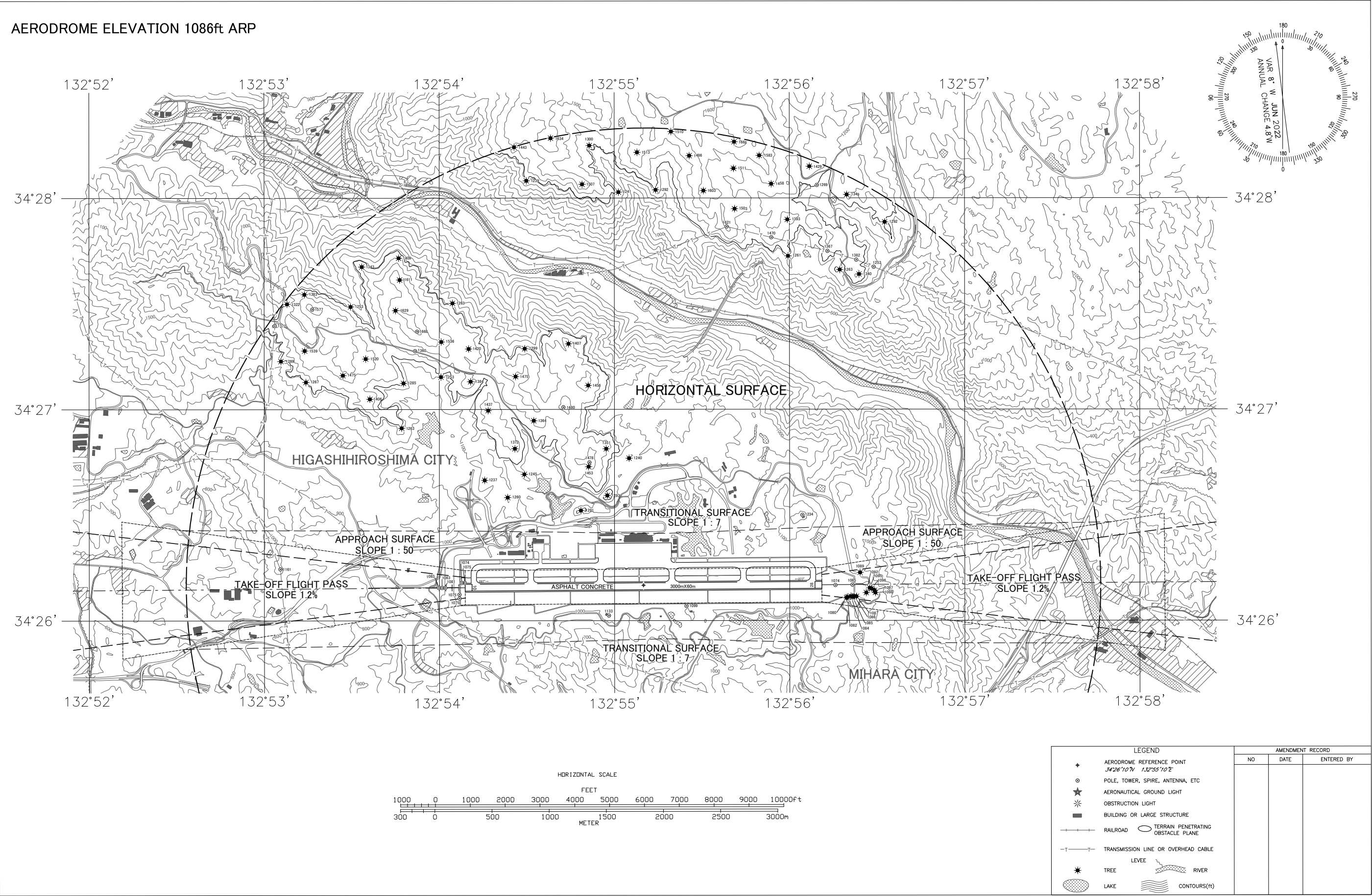
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



AERODROME OBSTACLE CHART-ICAO  
TYPE B (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

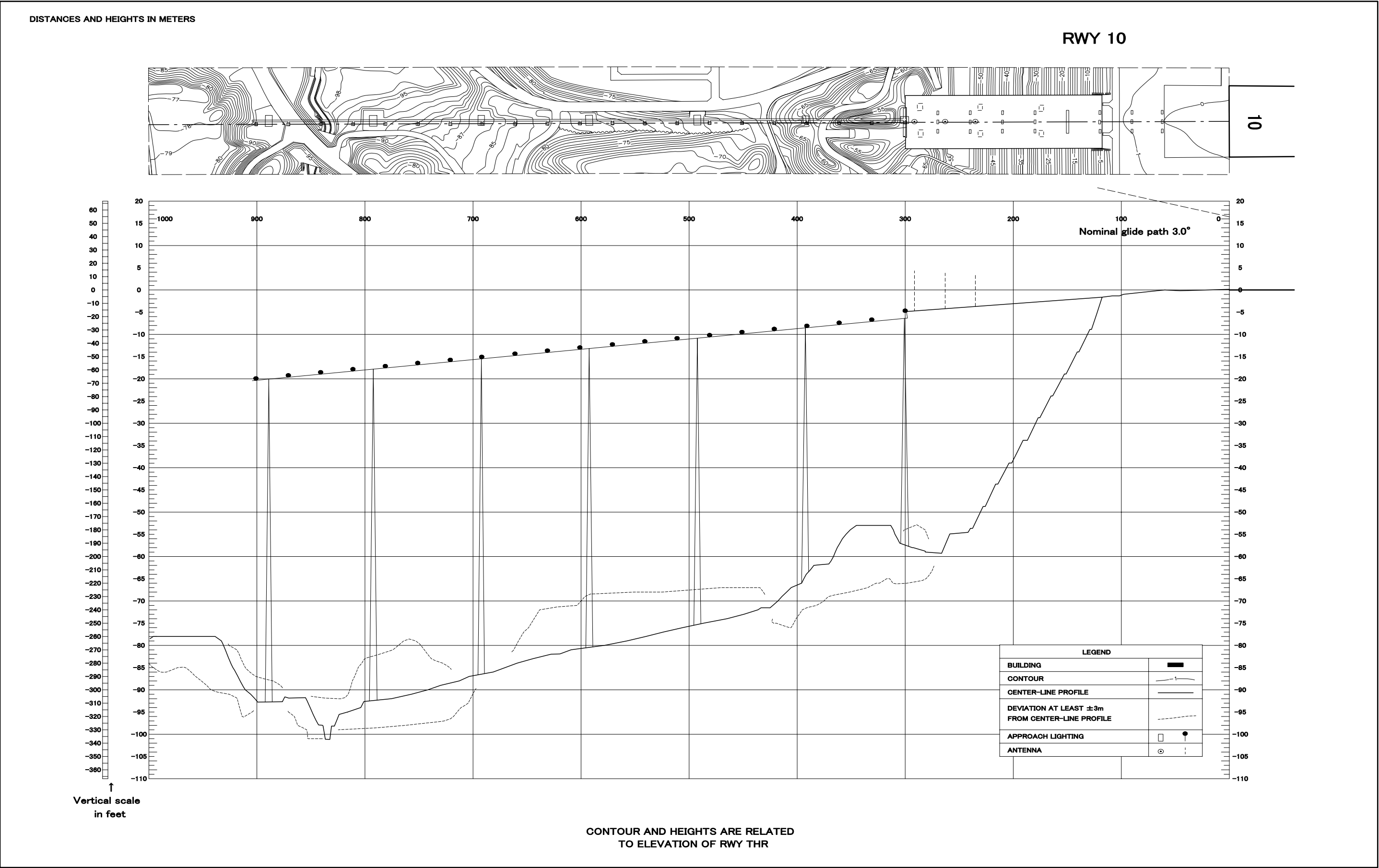
AERODROME ELEVATION 1086ft ARP



CHANGE : VAR.

PRECISION APPROACH TERRAIN CHART-ICAO

PRCISION APPROACH TERRAIN CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

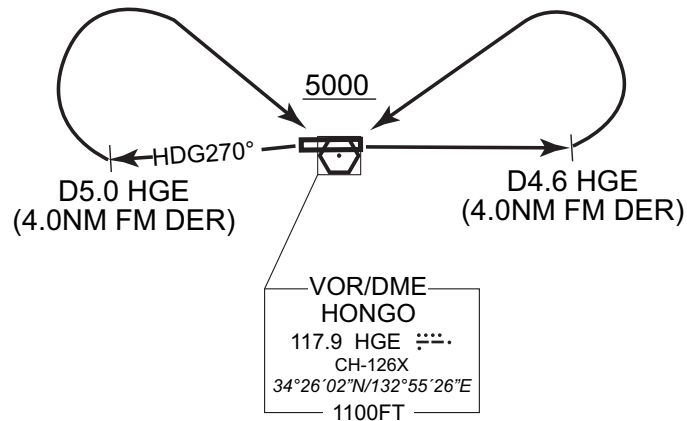
SID and TRANSITION

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

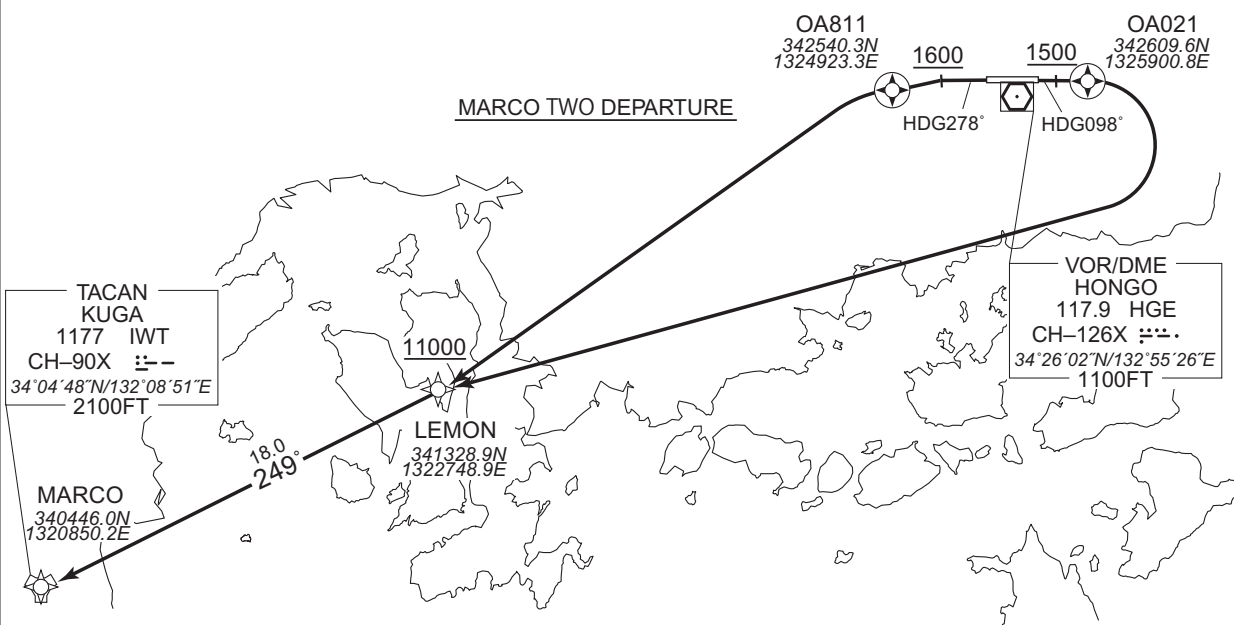
RNAV SID

## MARCO TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 8°W (2022)



## MARCO TWO 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 TWO DEPARTURE

## RWY10

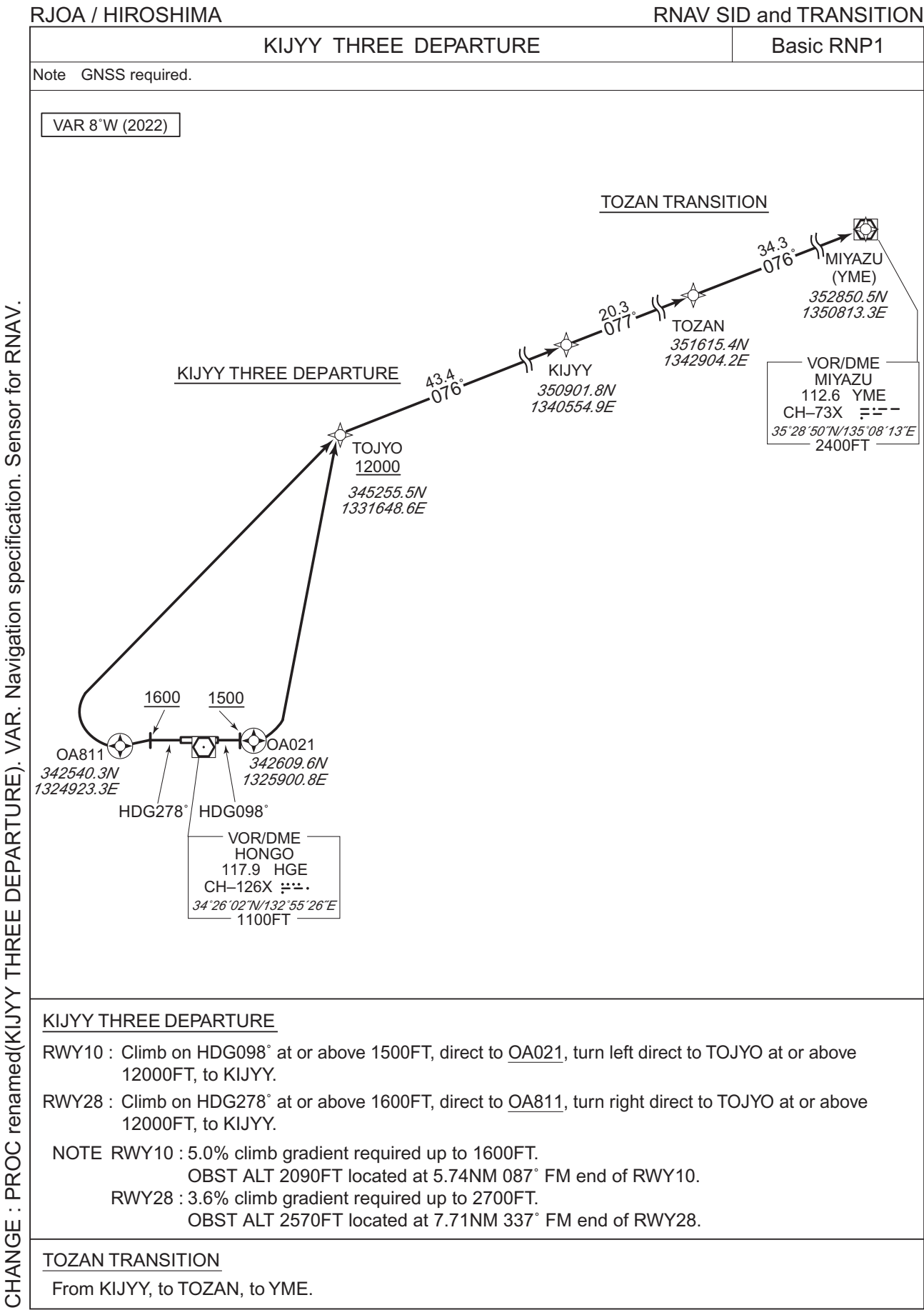
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	098 (090.0)	-8.1	—	—	+1500	—	—	Basic RNP1
002	DF	OA021	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	LEMON	—	—	-8.1	—	R	+11000	—	—	Basic RNP1
004	TF	MARCO	—	249 (241.1)	-8.1	18.0	—	—	—	—	Basic RNP1

## 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)	-8.1	—	—	+1600	—	—	Basic RNP1
002	DF	OA811	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	LEMON	—	—	-8.1	—	L	+11000	—	—	Basic RNP1
004	TF	MARCO	—	249 (241.1)	-8.1	18.0	—	—	—	—	Basic RNP1

CHANGE : PROC renamed(MARCO TWO DEPARTURE). VAR. Navigation specification. Sensor for RNAV.

STANDARD DEPARTURE CHART - INSTRUMENT





## STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

KIJYY 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)	-8.1	—	—	+1500	—	—	Basic RNP1
002	DF	OA021	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	TOJYO	—	—	-8.1	—	L	+12000	—	—	Basic RNP1
004	TF	KIJYY	—	076 (067.9)	-8.1	43.4	—	—	—	—	Basic RNP1

## 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)	-8.1	—	—	+1600	—	—	Basic RNP1
002	DF	OA811	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	TOJYO	—	—	-8.1	—	R	+12000	—	—	Basic RNP1
004	TF	KIJYY	—	076 (067.9)	-8.1	43.4	—	—	—	—	Basic RNP1

TOZAN TRANSITION

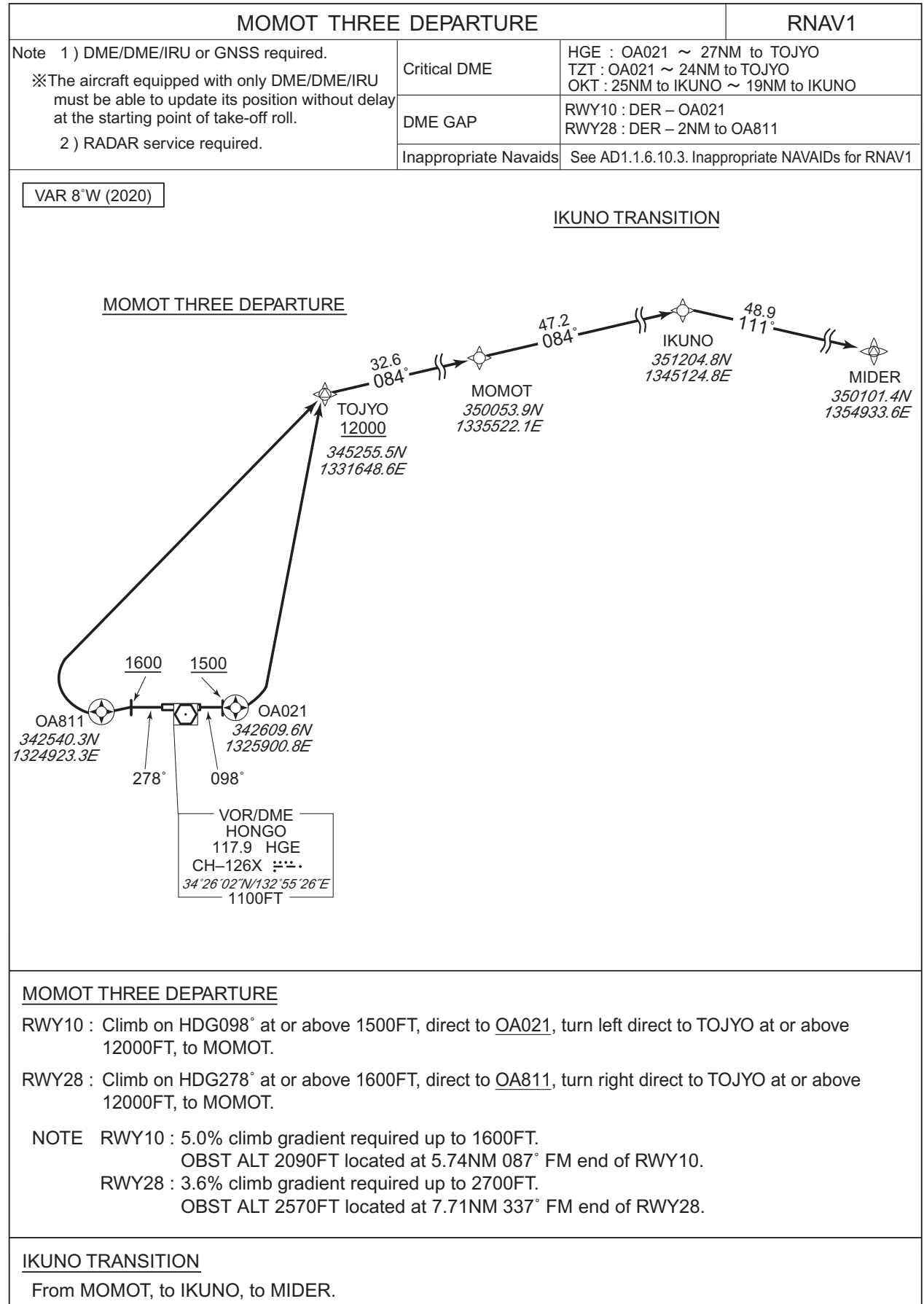
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KIJYY	—	—	-8.1	—	—	—	—	—	Basic RNP1
002	TF	TOZAN	—	077 (069.0)	-8.1	20.3	—	—	—	—	Basic RNP1
003	TF	YME	—	076 (068.3)	-8.1	34.3	—	—	—	—	Basic RNP1

CHANGE : PROC renamed(KIJYY THREE DEPARTURE). VAR. Navigation specification.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION



## 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

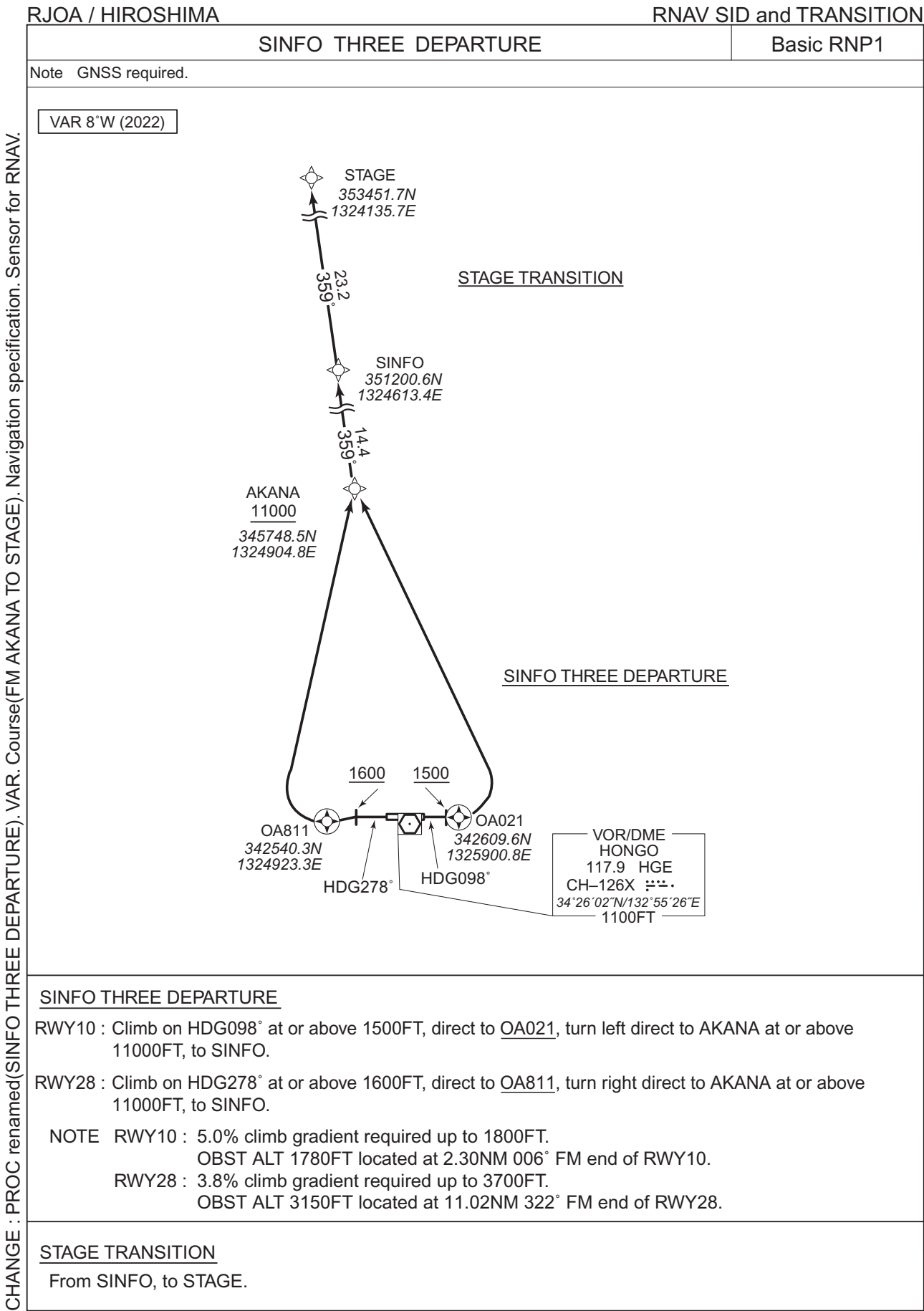
## RWY28

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

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : PROC renamed(SINFO THREE DEPARTURE). VAR: Course(FM AKANA TO STAGE). Navigation specification. Sensor for RNAV.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJOA / HIROSHIMA

RNAV SID and TRANSITION

SINFO 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)	-8.1	—	—	+1500	—	—	Basic RNP1
002	DF	OA021	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	AKANA	—	—	-8.1	—	L	+11000	—	—	Basic RNP1
004	TF	SINFO	—	359 (350.7)	-8.1	14.4	—	—	—	—	Basic RNP1

## 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)	-8.1	—	—	+1600	—	—	Basic RNP1
002	DF	OA811	Y	—	-8.1	—	—	—	—	—	Basic RNP1
003	DF	AKANA	—	—	-8.1	—	R	+11000	—	—	Basic RNP1
004	TF	SINFO	—	359 (350.7)	-8.1	14.4	—	—	—	—	Basic RNP1

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	—	—	-8.1	—	—	—	—	—	Basic RNP1
002	TF	STAGE	—	359 (350.6)	-8.1	23.2	—	—	—	—	Basic RNP1

CHANGE : PROC renamed(SINFO THREE DEPARTURE). VAR. Course(FM AKANA TO STAGE). Navigation specification.

STANDARD ARRIVAL CHART -INSTRUMENT

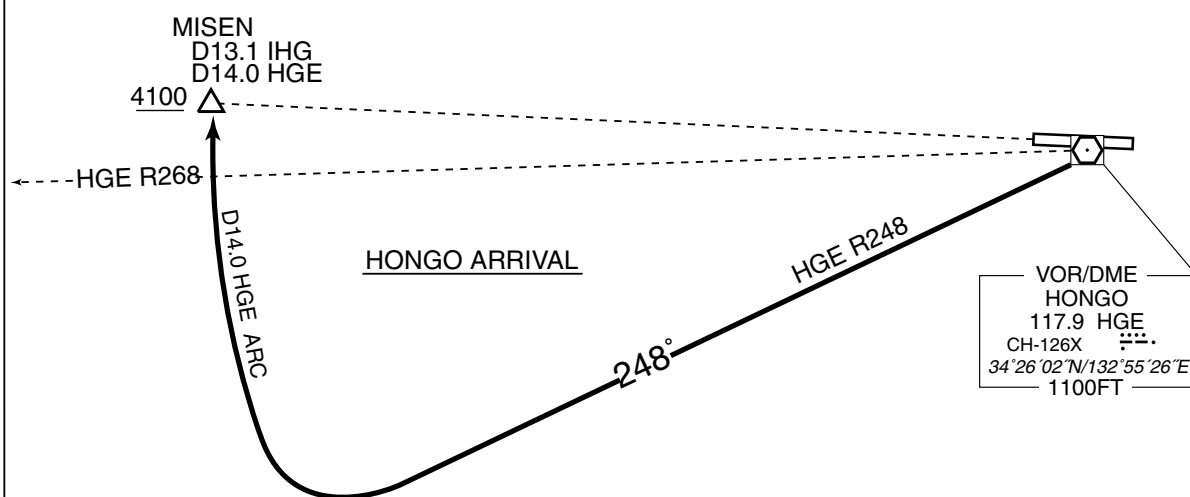
RJOA / HIROSHIMA

STAR

HONGO ARRIVAL

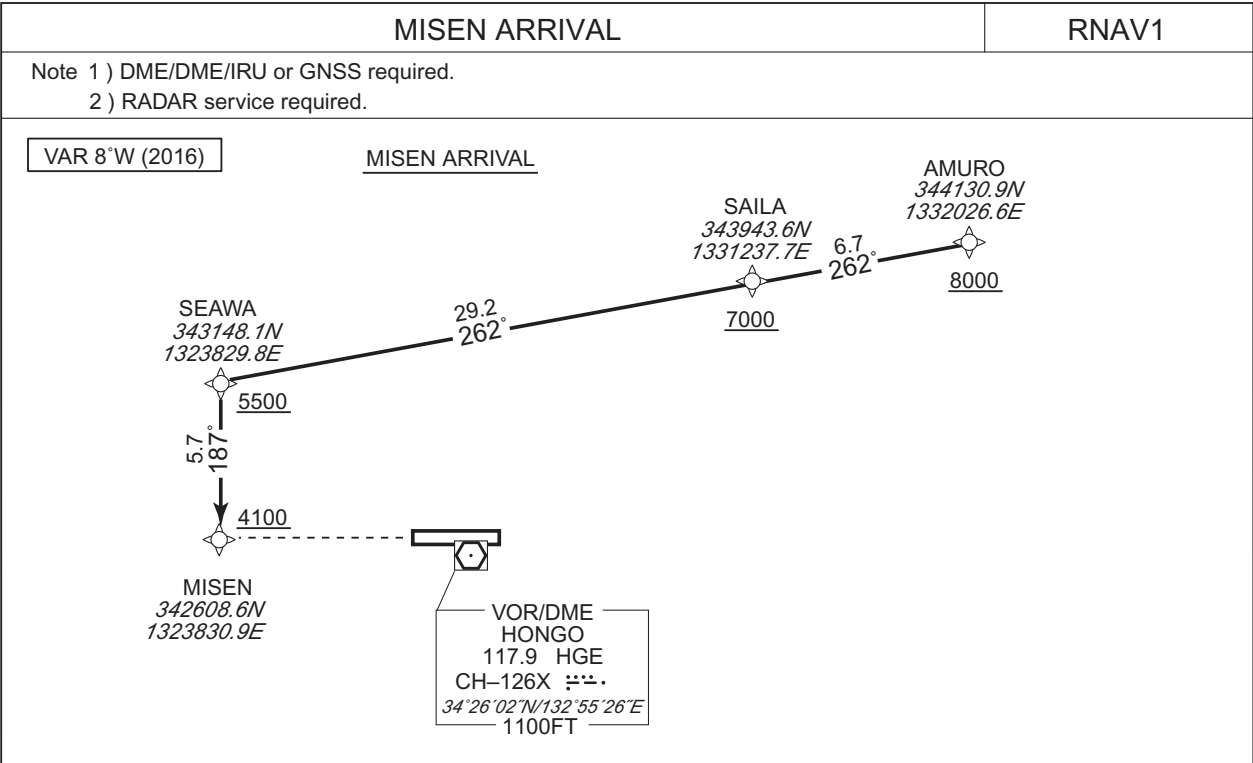
From over HGE VOR/DME, via HGE R248 to intercept and proceed via HGE 14.0DME clockwise ARC to MISEN.

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	—
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

CHANGE : Critical DME deleted.

## STANDARD ARRIVAL CHART-INSTRUMENT

RJOA / HIROSHIMA

RNAV STAR RWY10

## AXELA ARRIVAL

Basic RNP1

Note GNSS required.

VAR 8°W (2022)



## 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.

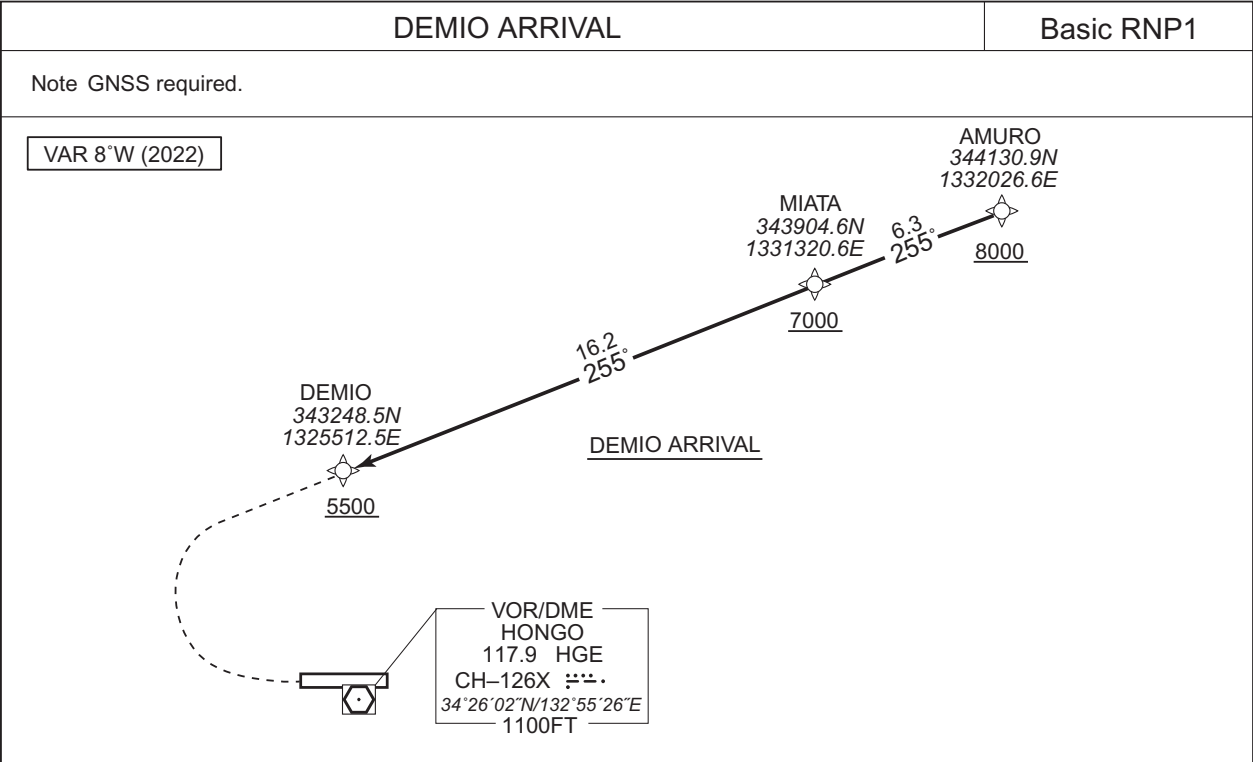
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	AMURO	—	—	-8.1	—	—	+8000	—	—	Basic RNP1
002	TF	CAROL	—	221 (213.0)	-8.1	6.7	—	-8000 +6000	—	—	Basic RNP1
003	TF	TIIDA	—	221 (213.0)	-8.1	5.9	—	+4000	—	—	Basic RNP1
004	TF	VISTA	—	221 (212.9)	-8.1	5.7	—	—	—	—	Basic RNP1
005	TF	ATENZ	—	221 (212.9)	-8.1	6.6	—	—	—	—	Basic RNP1
006	TF	AXELA	—	278 (270.1)	-8.1	6.9	—	+3300	—	—	Basic RNP1

CHANGE : VAR. Navigation specification. Sensor for RNAV.



STANDARD ARRIVAL CHART-INSTRUMENT

RJOA / HIROSHIMARNAV STAR RWY10



DEMIO ARRIVAL

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

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	—	—	-8.1	—	—	+8000	—	—	Basic RNP1
002	TF	MIATA	—	255 (247.4)	-8.1	6.3	—	+7000	—	—	Basic RNP1
003	TF	DEMIO	—	255 (247.3)	-8.1	16.2	—	+5500	—	—	Basic RNP1

CHANGE : VAR. Navigation specification. Sensor for RNAV.

STANDARD ARRIVAL CHART -INSTRUMENT

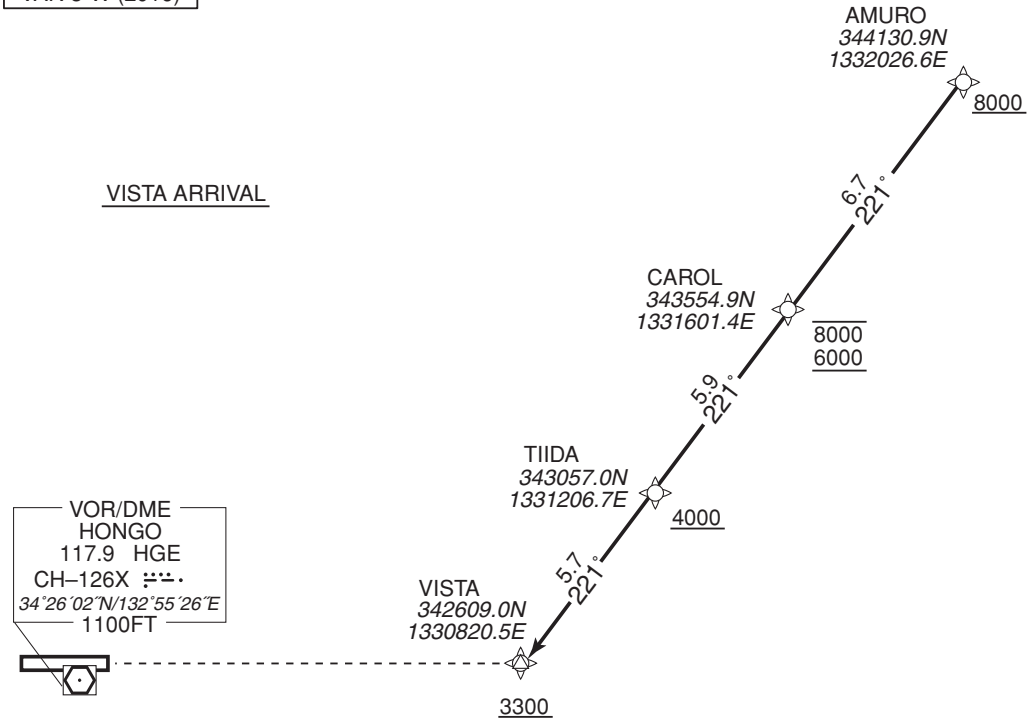
RJOA / HIROSHIMA

RNAV STAR RWY28

VISTA ARRIVAL	RNAV1
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Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 8°W (2016)



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.

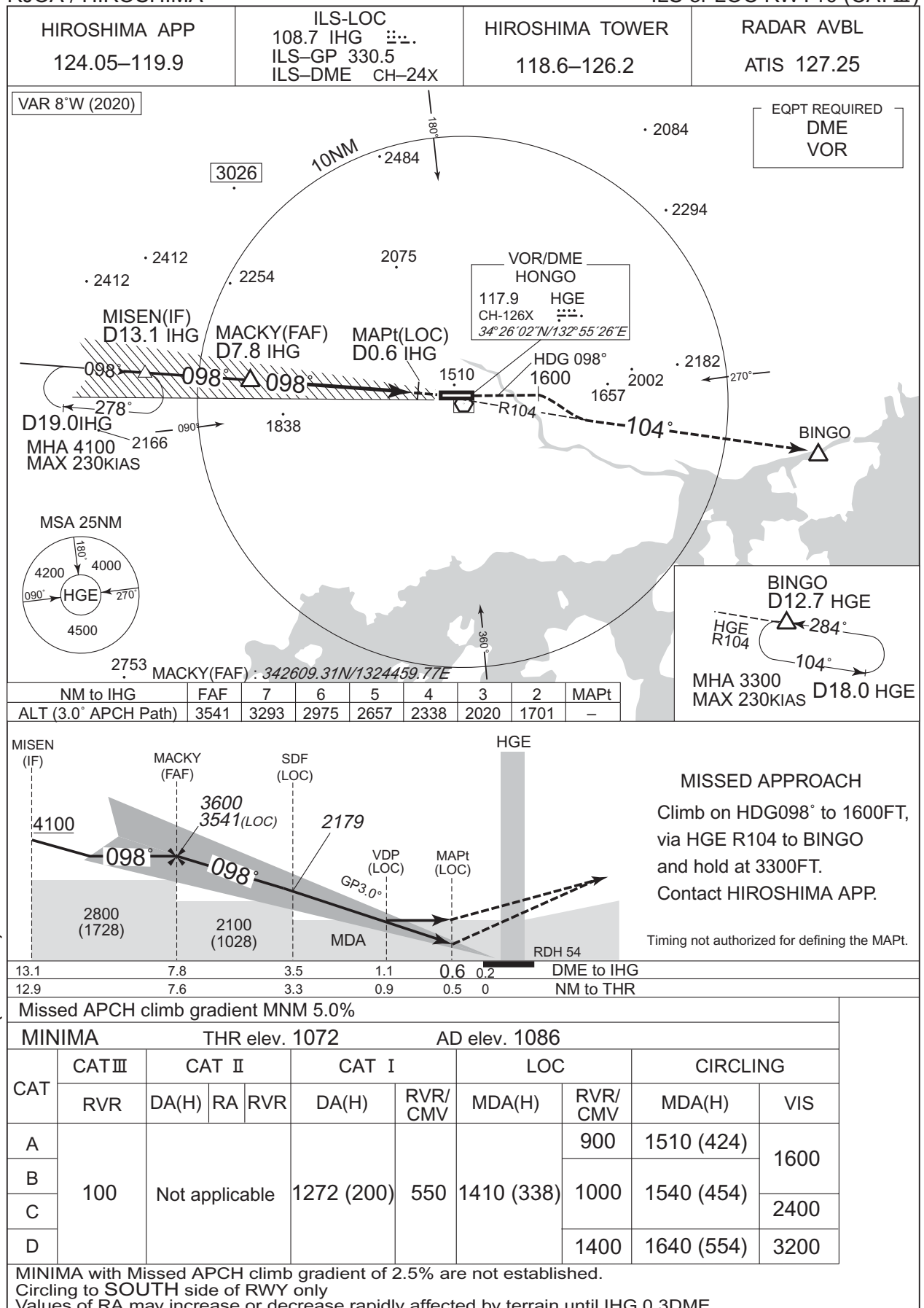
Critical DME	—
DME GAP	—
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.

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)

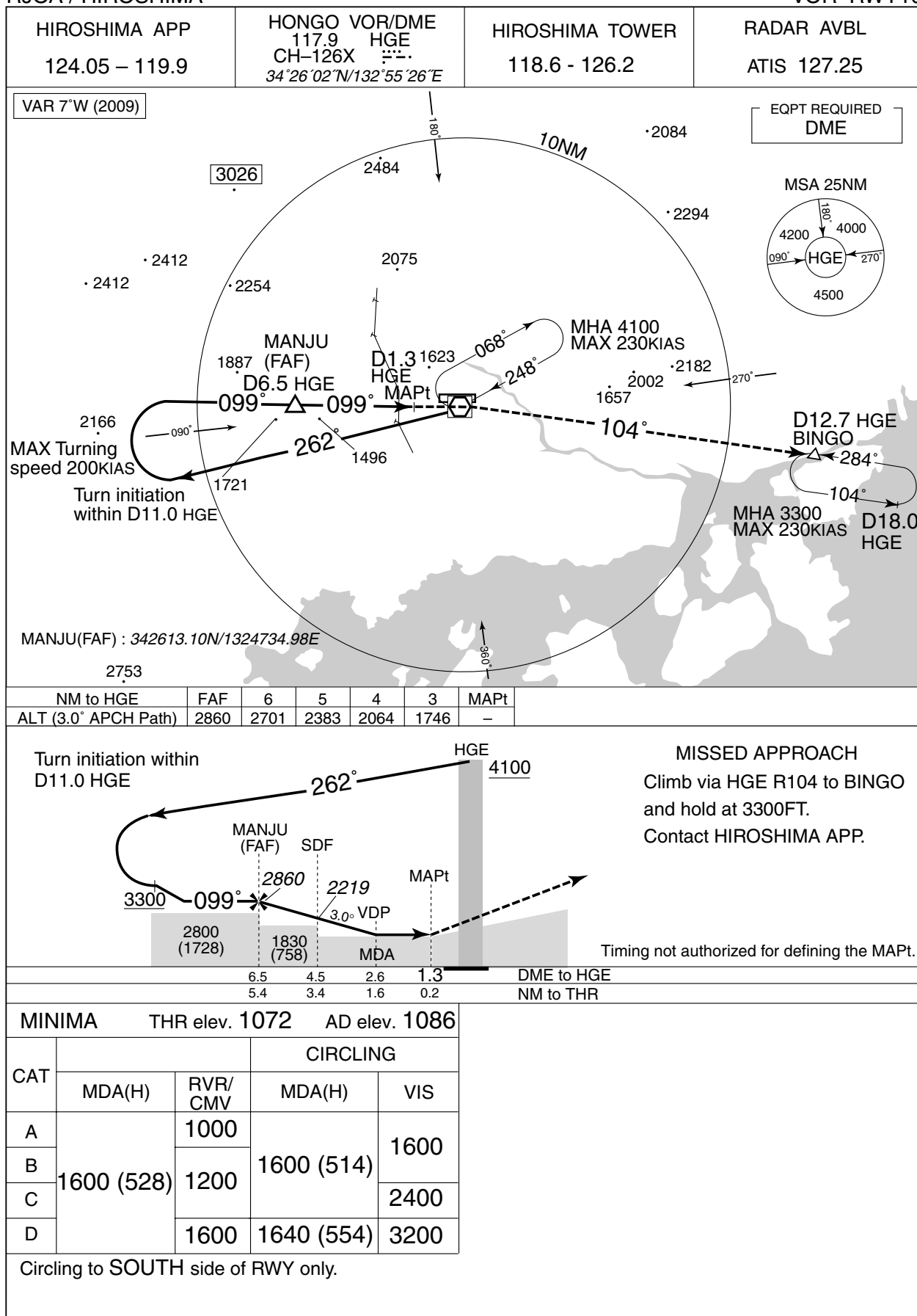


CHANGE: VAR. NM to THR(MISEN).

## INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

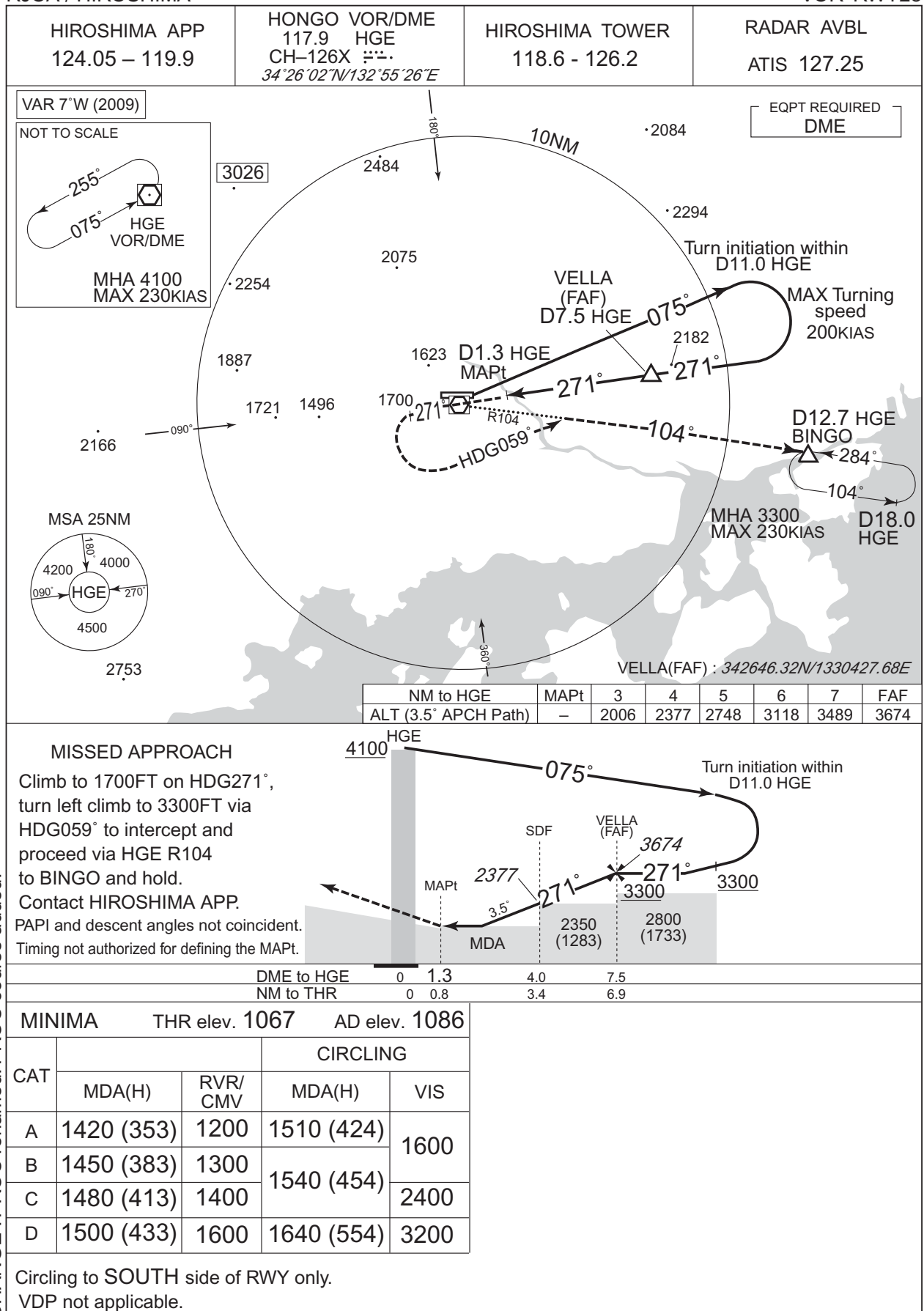
VOR RWY10



INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

VOR RWY28

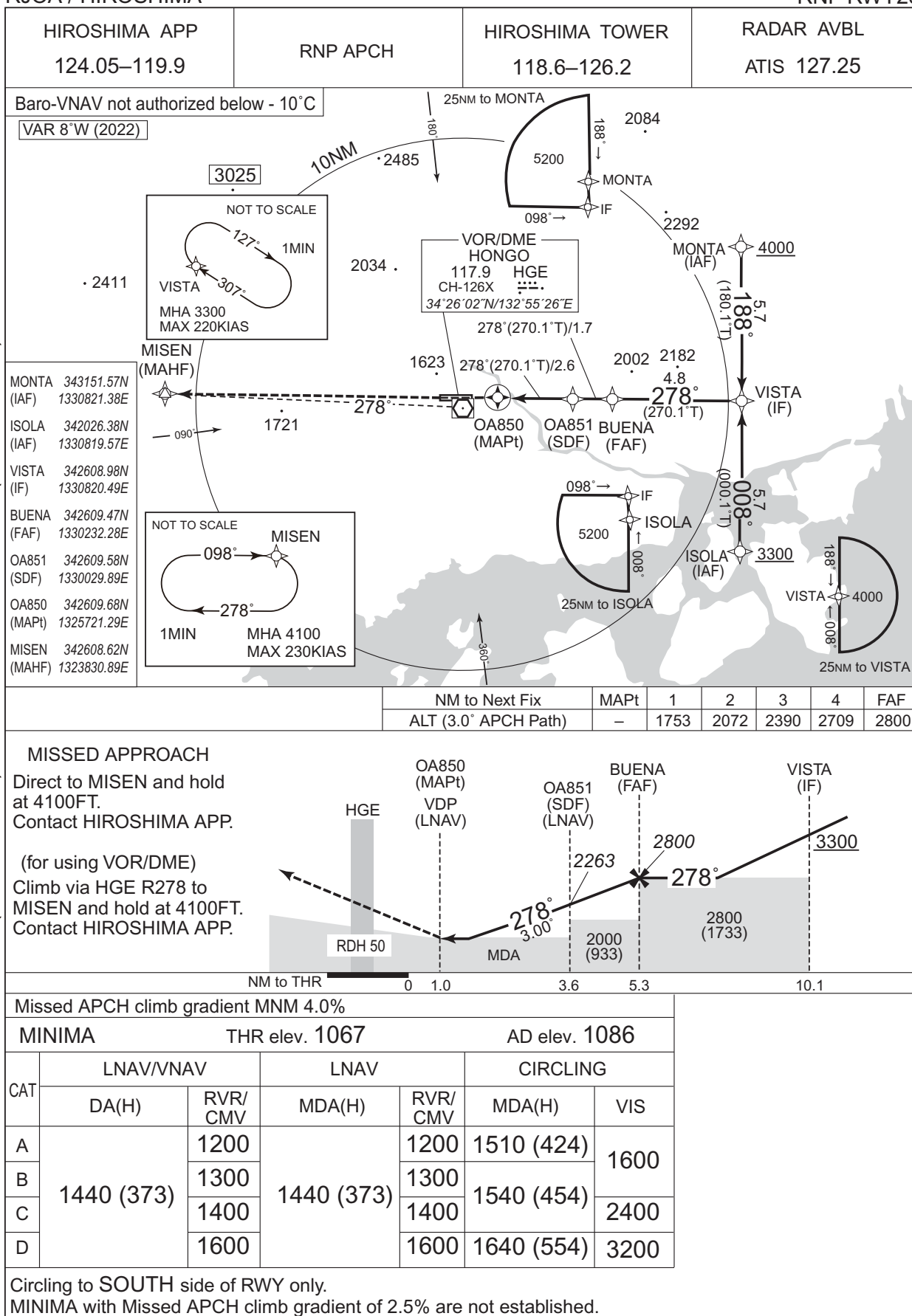


CHANGE : PROC renamed. PROC course added.

## INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

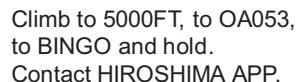
RNP RWY28



## RJOA / HIROSHIMA

RNP Z RWY10(AR)

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



## Authorization Required

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

## INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNP Z RWY10(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	DEMIO	-	-	-8.1	-	-	+5500	-	-	-
002	TF	OA050	-	255 (247.1)	-8.1	4.5	-	+3200	-185	-	1.0
003	RF Center: OARF1 r=2.54NM	OA051	-	-	-8.1	2.8	L	3200	-	-	1.0
004	RF Center: OARF1 r=2.54NM	OA052	-	-	-8.1	4.2	L	1874	-	-3.00	0.10 0.30
005	TF	RW10	Y	098 (090.0)	-8.1	2.3	-	1126	-	-3.00/54	0.10 0.30
006	TF	OA053	-	098 (090.0)	-8.1	6.2	-	-	-	-	1.0
007	TF	BINGO	-	111 (103.2)	-8.1	7.6	-	5000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	DEMIO	255 (247.1)	-8.1	1.0 (-14000)	R	5500	FL140	-230(-14000)	1.0
Hold	BINGO	304 (296.1)	-8.1	1.0 (-14000)	L	5000	FL140	-210(-14000)	1.0

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		

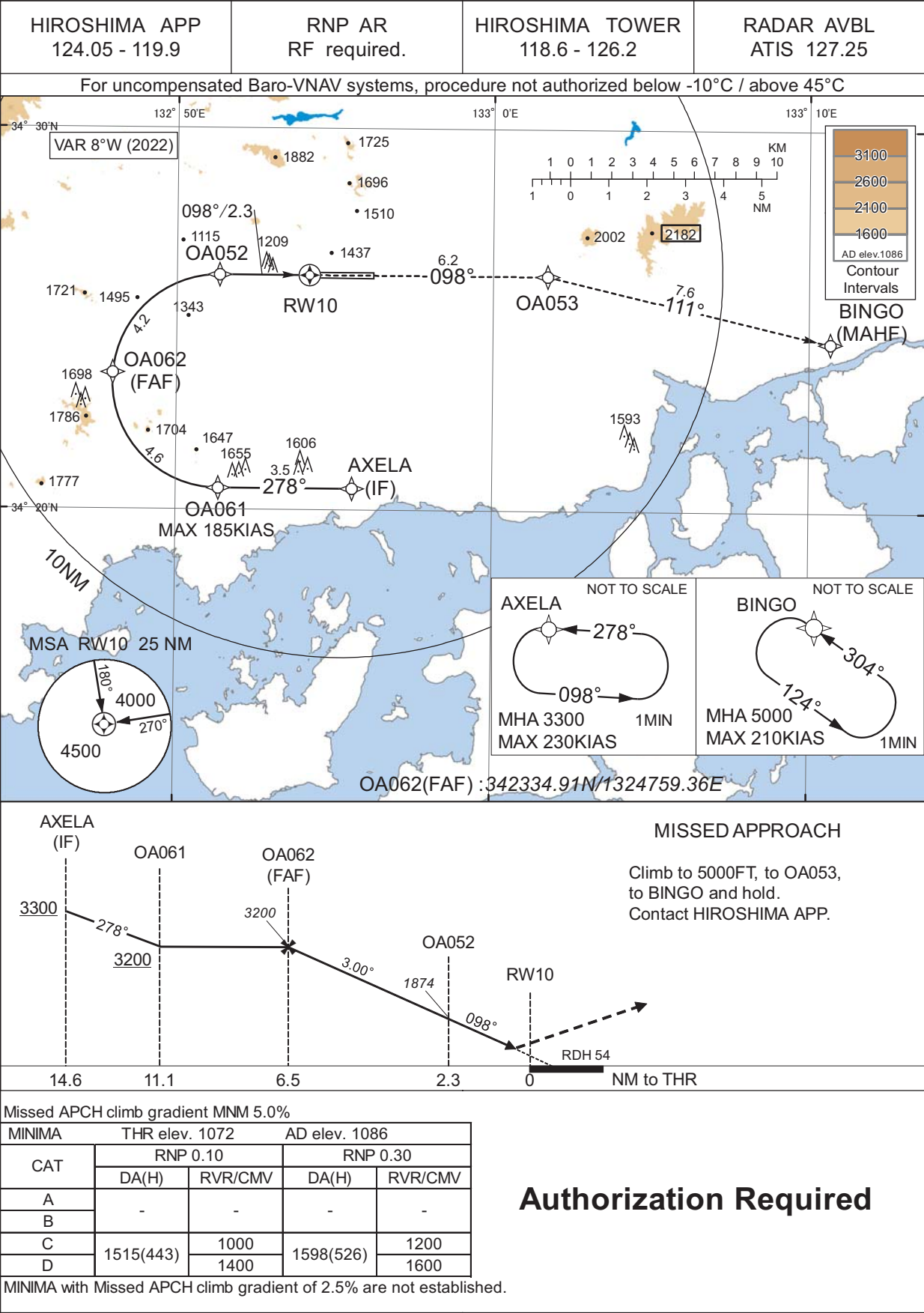
CHANGE : VAR. Altitude for BINGO. RNAV HLDG(DEMIO). RNAV HLDG established(BINGO). Navigation specification.



INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNP Y RWY10(AR)



## INSTRUMENT APPROACH CHART

RJOA / HIROSHIMA

RNP Y RWY10(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	AXELA	-	-	-8.1	-	-	+3300	-	-	1.0
002	TF	OA061	-	278 (270.0)	-8.1	3.5	-	+3200	-185	-	1.0
003	RF Center: OARF2 r=2.79NM	OA062	-	-	-8.1	4.6	R	3200	-	-	1.0
004	RF Center: OARF2 r=2.79NM	OA052	-	-	-8.1	4.2	R	1874	-	-3.00	0.10 0.30
005	TF	RW10	Y	098 (090.0)	-8.1	2.3	-	1126	-	-3.00/54	0.10 0.30
006	TF	OA053	-	098 (090.0)	-8.1	6.2	-	-	-	-	1.0
007	TF	BINGO	-	111 (103.2)	-8.1	7.6	-	5000	-	-	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	AXELA	278 (270.0)	-8.1	1.0 (-14000)	L	3300	FL140	-230(-14000)	1.0
Hold	BINGO	304 (296.1)	-8.1	1.0 (-14000)	L	5000	FL140	-210(-14000)	1.0

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		

CHANGE : VAR. Altitude for BINGO. RNAV HLDG(AXELA). RNAV HLDG established(BINGO). Navigation specification.

RJOA / HIROSHIMA

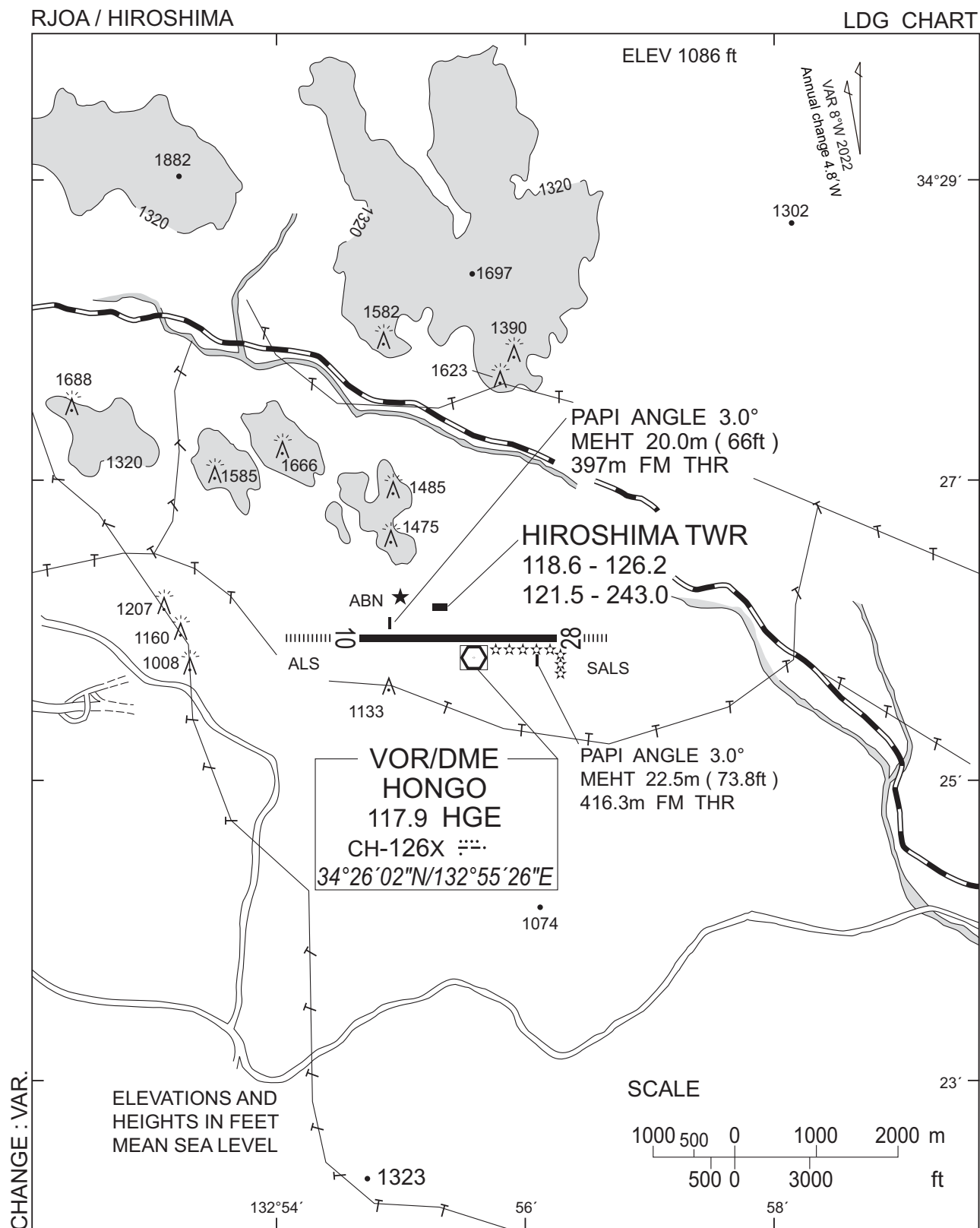
Visual REP



※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 : VAR.

Call sign	BRG / DIST from ARP	Remarks
白竜 Hakuryu	345°T / 4.3NM	湖 Lake
小佐木 Kosagi	115°T / 10.1NM	小佐木島 Kosagi - Island
竹原 Takehara	184°T / 5.8NM	竹原駅 Railway Station
三永サウス Minaga South	251°T / 8.4NM	東広島駅 Railway Station
新庄 Shinjo	209°T / 2.9NM	新庄交差点 Shinjo Intersection

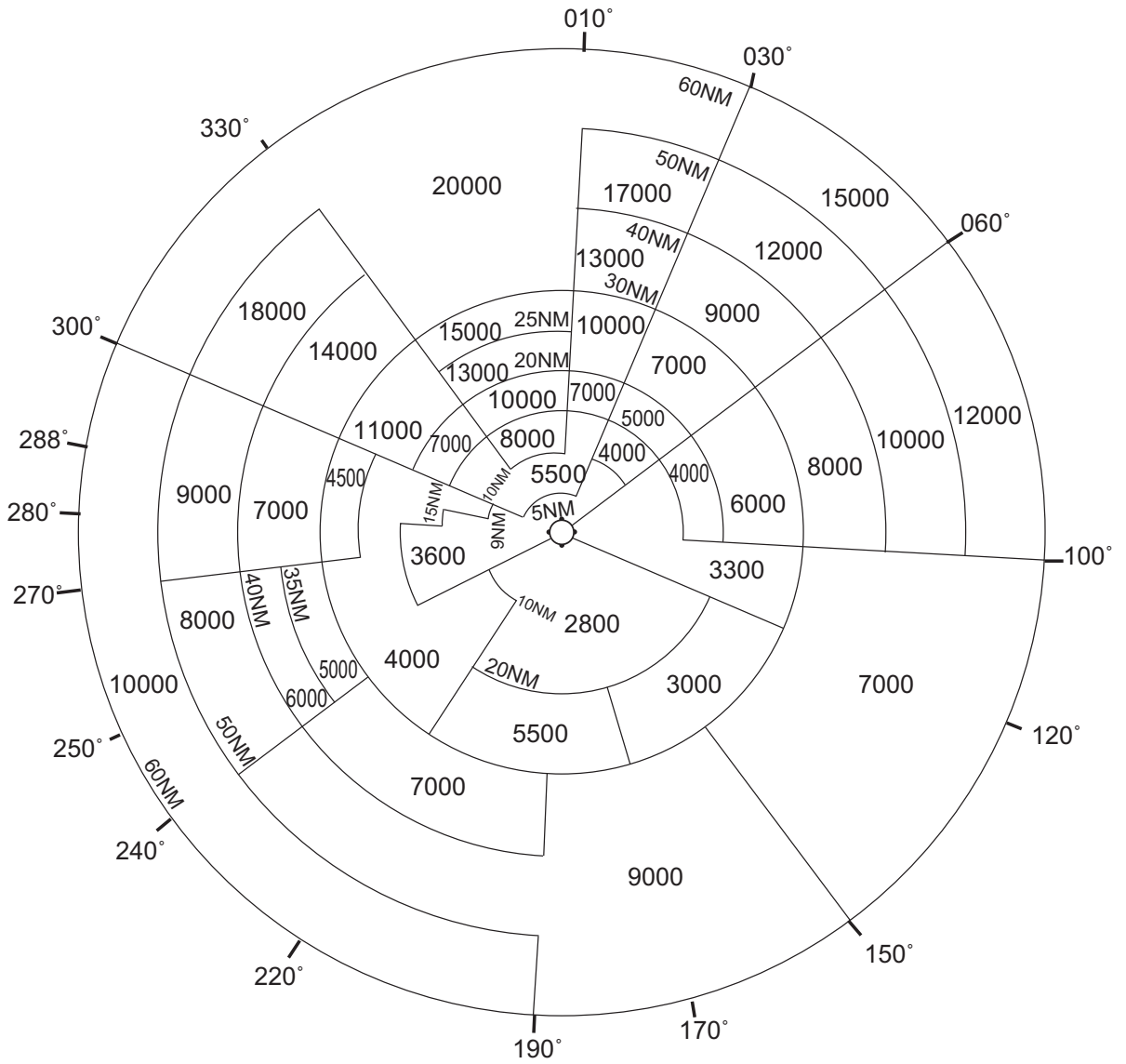


RJOA / HIROSHIMA

Minimum Vectoring Altitude CHART

CHANGE : VAR.

VAR 8°W (2022)



CENTER : 342602N/1325458E (RADAR SITE)