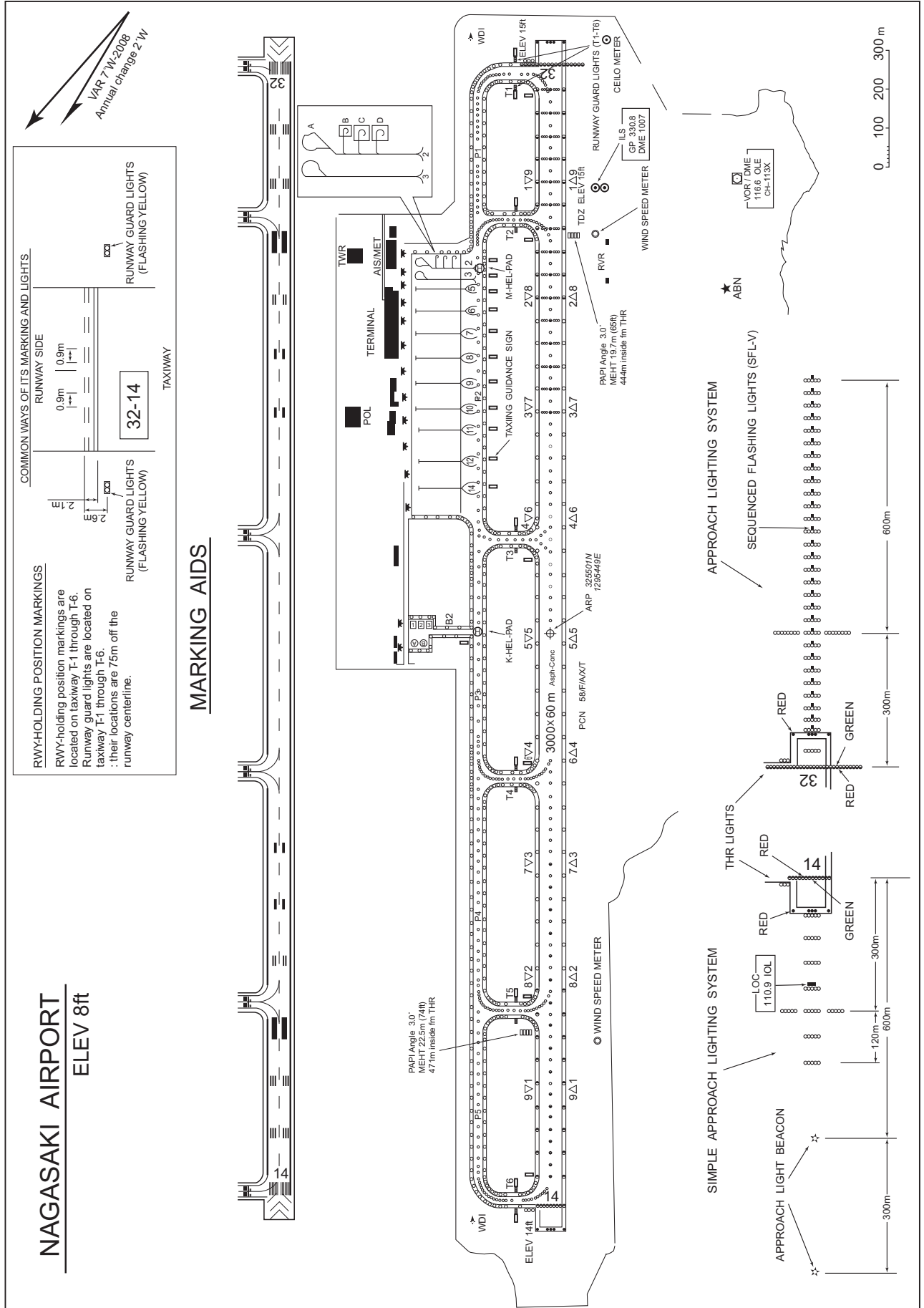


## AD CHART

**NAGASAKI AIRPORT**  
ELEV 8ft

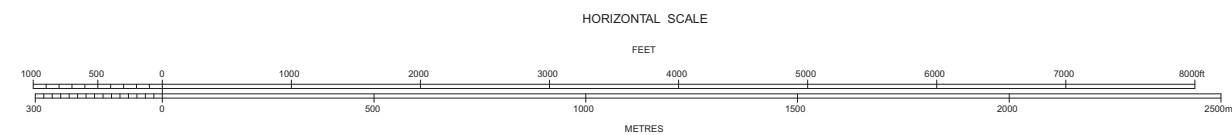
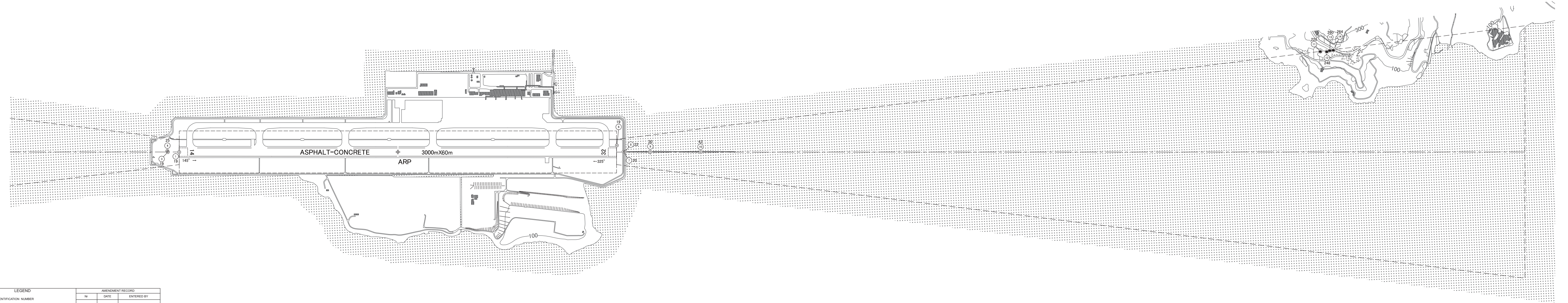
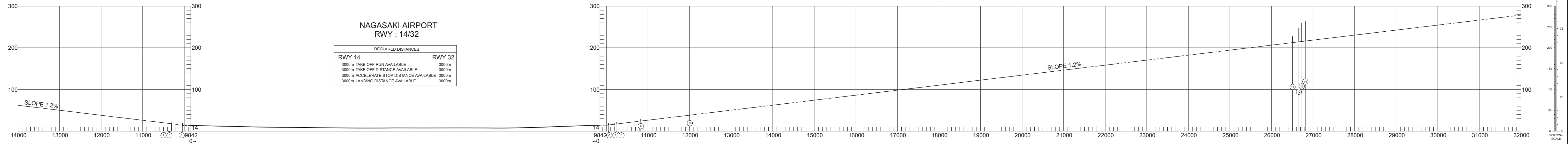















**INTENTIONALLY LEFT BLANK**

DIMENSIONS AND ELEVATIONS IN FEET    BEARINGS ARE MAGNETIC

NAGASAKI AIRPORT  
RWY : 14/32

DECLARED DISTANCES	
<b>RWY 14</b>	<b>RWY 32</b>
3000m TAKE OFF RUN AVAILABLE	3000m
3000m TAKE OFF DISTANCE AVAILABLE	3000m
3000m ACCELERATE STOP DISTANCE AVAILABLE	3000m
3000m LANDING DISTANCE AVAILABLE	3000m



LEGEND		AMENDMENT RECORD		
		No	DATE	ENTERED BY
	IDENTIFICATION NUMBER			
	POLE, TOWER, SPIRE, ANTENNA, ETC			
	AERONAUTICAL GROUND LIGHT			
	OBSTRUCTION LIGHT			
	BUILDING OR LARGE STRUCTURE			
	RAILROAD  TRIANGULATION POINT			
	TRANSMISSION LINE OR OVERHEAD CABLE			
	LEVEE			
	THREE			
	LAKE			
	CONTOURS(S)			
	RIVER			



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC





STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

SID

NORTH ONE DEPARTURE

RWY 14: Climb RWY HDG to 500FT, via OLE R144 to 6.0 DME,  
turn right HDG324° until crossing OLE R258, turn right HDG016°  
to intercept and proceed via OLE R331 to PEARL....

RWY 32: Climb via OLE R331 to PEARL....

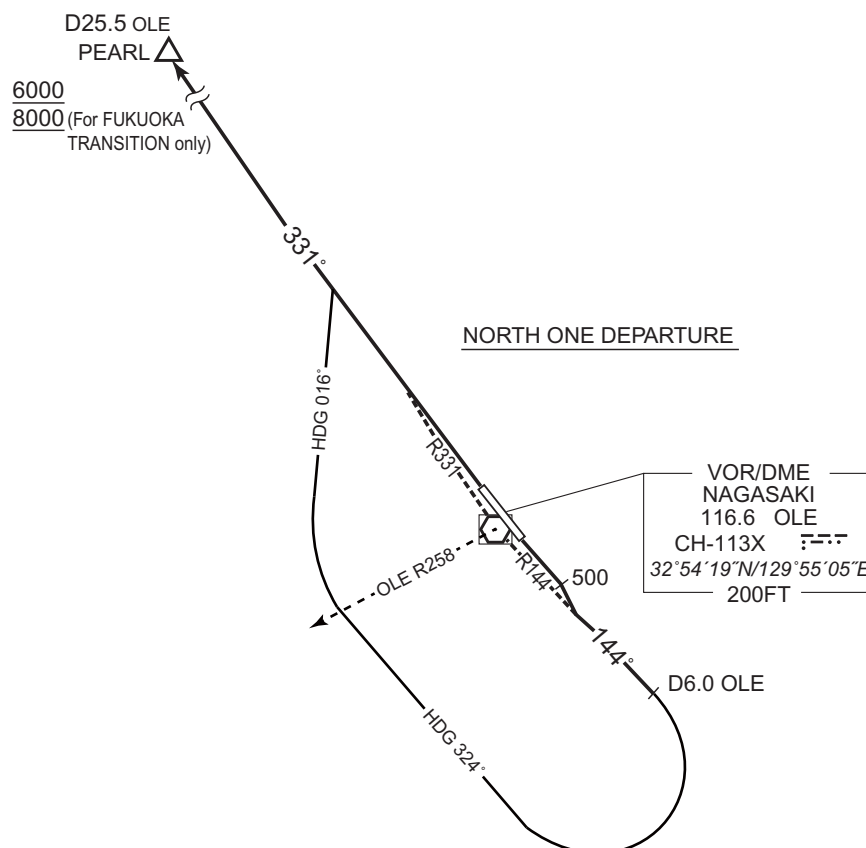
... Cross PEARL at or above 6000FT(\*).

\* For FUKUOKA TRANSITION : Cross PEARL at or above 8000FT.

Note RWY 14: 5.0% climb gradient required up to 1200FT.

OBST ALT 1411FT located at 6.9NM 158° FM end of RWY14.

OBST ALT 1575FT located at 7.7NM 165° FM end of RWY14.



CHANGE : PROC renamed. PROC course. Note(PDG, OBST).

## STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

TRANSITION

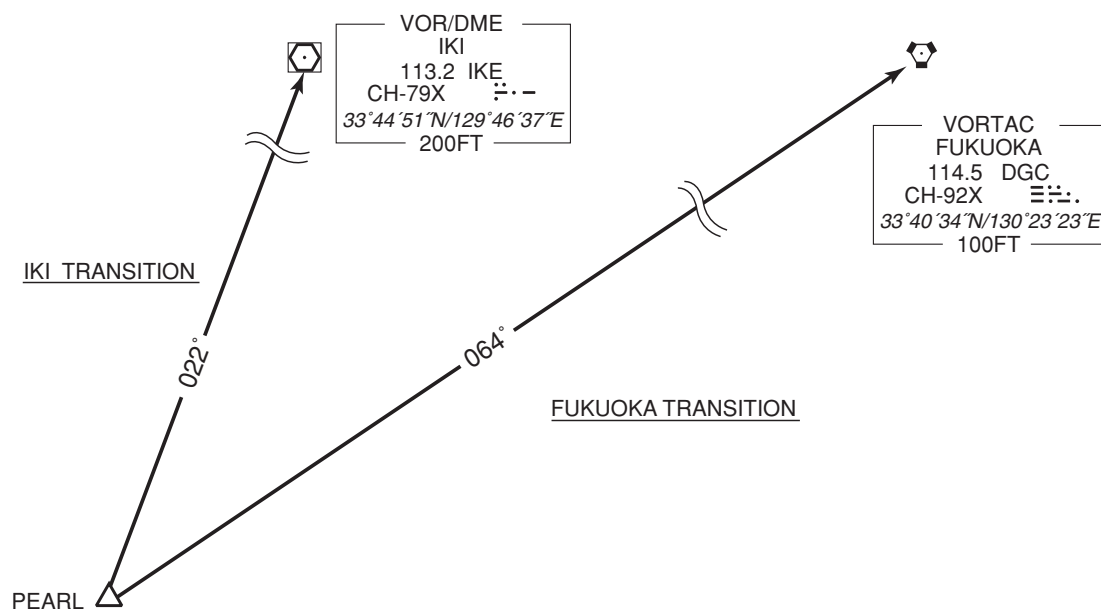
FUKUOKA TRANSITION

From over PEARL, via DGC R244 to DGC VORTAC.

Note : Not applicable for aircraft equipped with TACAN only.

IKI TRANSITION

From over PEARL, via IKE R202 to IKE VOR/DME.



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

SID

WEST SEVEN DEPARTURE

RWY 14: Climb RWY HDG to 500FT, climb via OLE R144 to 1800FT,  
turn right HDG292° to intercept and proceed via OLE R247...

RWY 32: Climb RWY HDG 1500FT, turn left HDG202° to intercept  
and proceed via OLE R247...

... to SUMOU.

Cross SUMOU at or above 4000FT.

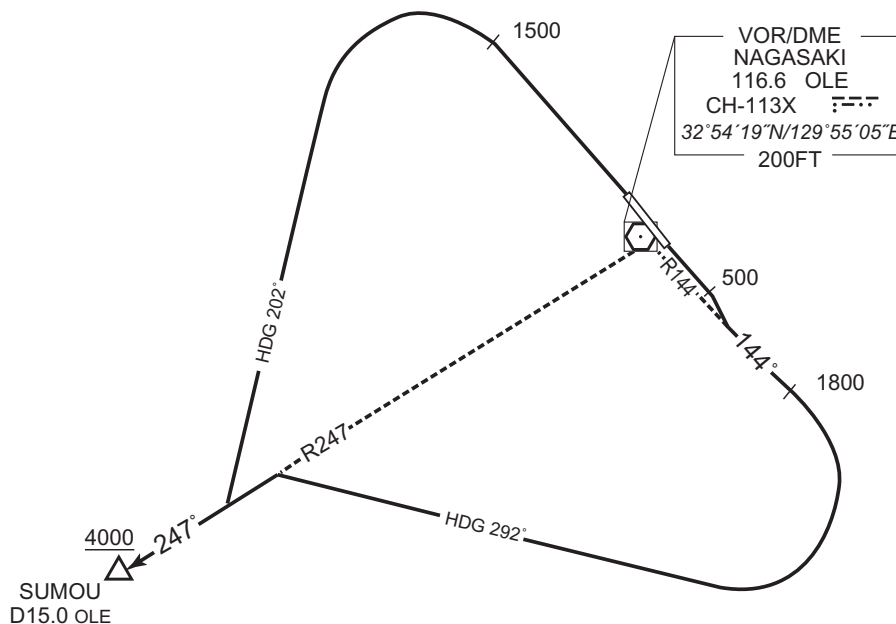
Note RWY 14: 5.0% climb gradient required up to 1800FT.

OBST ALT 854FT located at 3.4NM 170° FM end of RWY14.

RWY 32: 5.0% climb gradient required up to 1500FT.

OBST ALT 1969FT located at 8.0NM 272° FM end of RWY32.

WEST SEVEN DEPARTURE



CHANGE : PROC renamed. PROC course. Note RWY14, RWY32 (OBST).

## STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

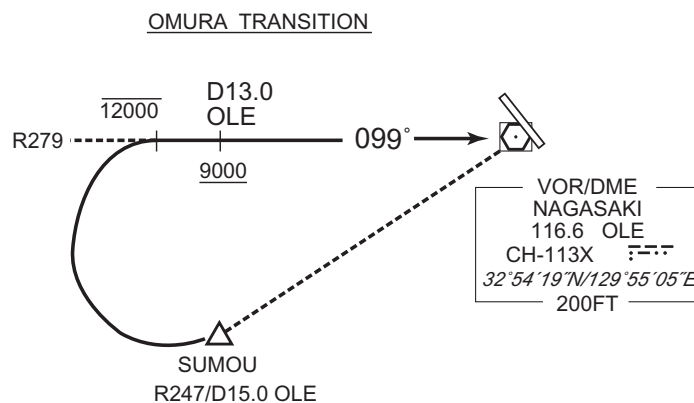
TRANSITION

OMURA TRANSITION

From over SUMOU, turn right to intercept and proceed via OLE R279 to OLE VOR/DME.

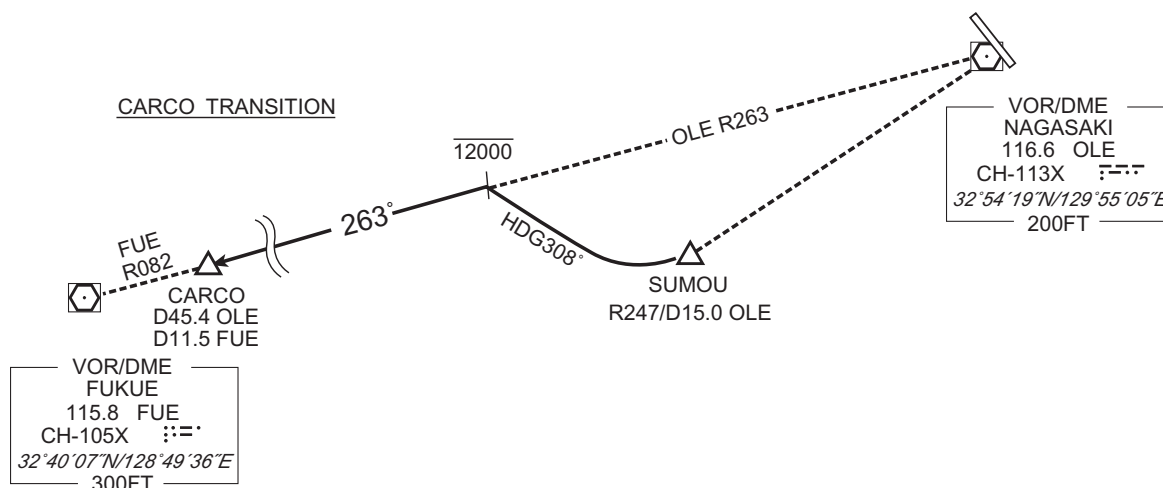
Maintain 12000FT or below until intercepting OLE R279.

Cross OLE R279/13.0DME at or above 9000FT.

CARCO TRANSITION

From over SUMOU, turn right HDG308° to intercept and proceed via OLE R263 /FUE R082 to CARCO.

Maintain 12000FT or below until intercepting OLE R263.



CHANGE : PROC course(OMURA TRANSITION, CARCO TRANSITION). Radial/DIST FM OLE added(SUMOU).  
DIST FM OLE, FUE added(CARCO).



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

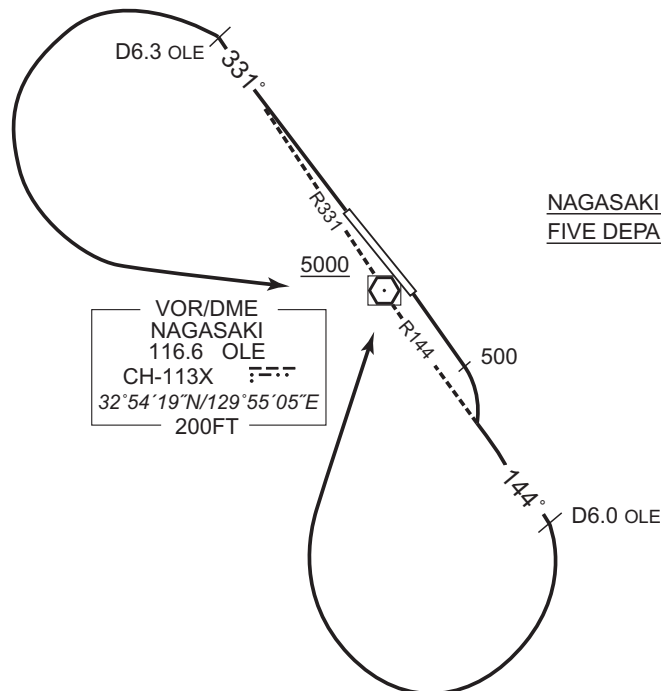
SID

NAGASAKI REVERSAL FIVE DEPARTURE

RWY 14: Climb RWY HDG to 500FT, climb via OLE R144 to 6.0DME, turn right, direct to OLE VOR/DME.  
Cross OLE VOR/DME at or above 5000FT.

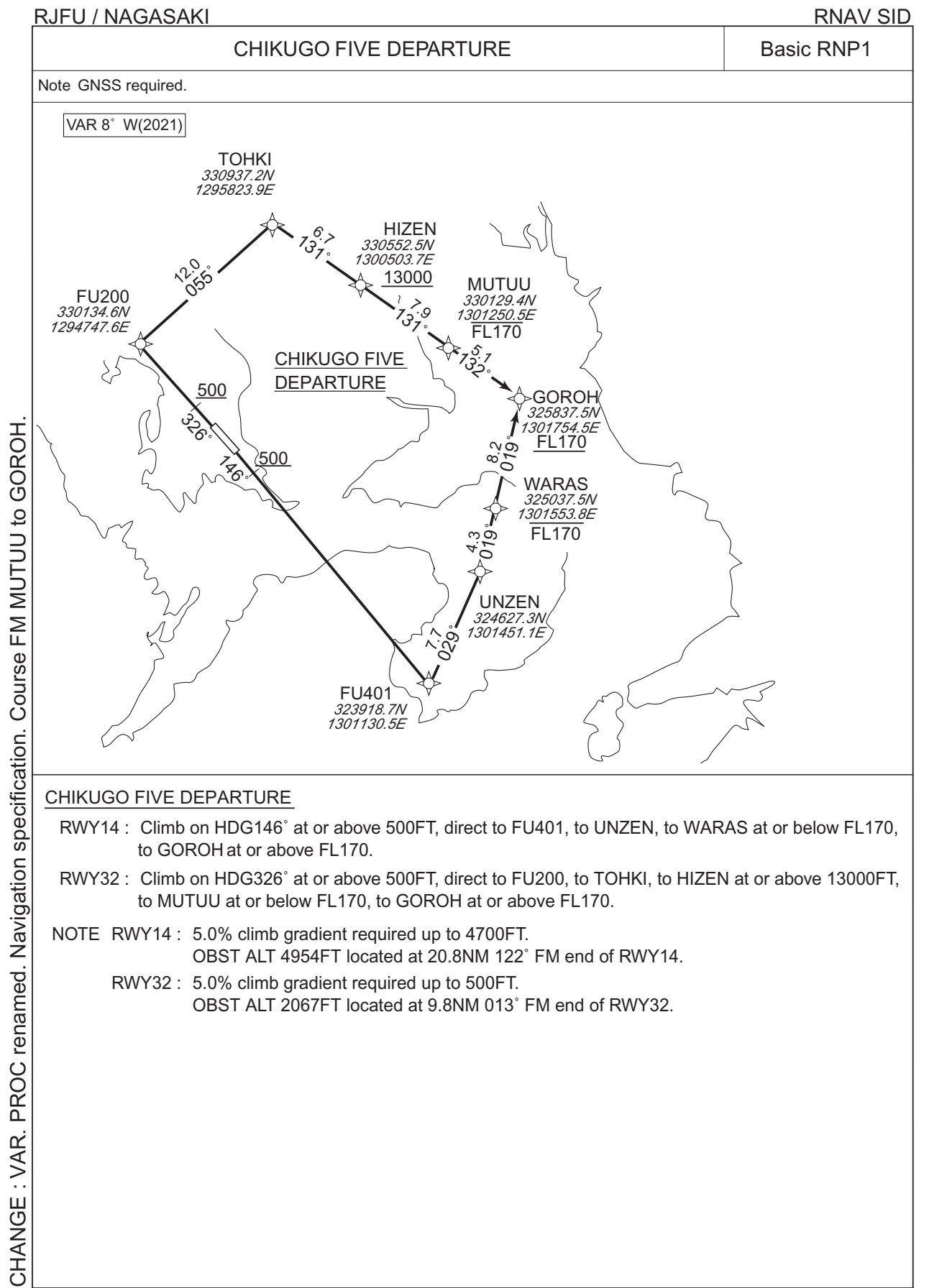
RWY 32: Climb via OLE R331 to 6.3DME, turn left, direct to OLE VOR/DME.  
Cross OLE VOR/DME at or above 5000FT.

Note RWY 14: 5.0% climb gradient required up to 1800FT.  
OBST ALT 1575FT located at 7.7NM 165° FM end of RWY14.  
RWY 32: 5.0% climb gradient required up to 1600FT.  
OBST ALT 1969FT located at 8.0NM 272° FM end of RWY32.



CHANGE : PROC renamed. PROC course. Note RWY14, RWY32 (OBST).

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : VAR. PROC renamed. Navigation specification. Course FM MUTUU to GOROH.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

CHIKUGO FIVE DEPARTURE

## RWY14

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	—	—	146 (138.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU401	—	—	-7.6	—	—	—	—	—	Basic RNP1
003	TF	UNZEN	—	029 (021.5)	-7.6	7.7	—	—	—	—	Basic RNP1
004	TF	WARAS	—	019 (011.9)	-7.6	4.3	—	-FL170	—	—	Basic RNP1
005	TF	GOROH	—	019 (011.9)	-7.6	8.2	—	+FL170	—	—	Basic RNP1

## RWY32

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	—	—	326 (318.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU200	—	—	-7.6	—	—	—	—	—	Basic RNP1
003	TF	TOHKI	—	055 (047.8)	-7.6	12.0	—	—	—	—	Basic RNP1
004	TF	HIZEN	—	131 (123.8)	-7.6	6.7	—	+13000	—	—	Basic RNP1
005	TF	MUTUU	—	131 (123.9)	-7.6	7.9	—	-FL170	—	—	Basic RNP1
006	TF	GOROH	—	132 (124.0)	-7.6	5.1	—	+FL170	—	—	Basic RNP1

CHANGE : VAR. PROC renamed. Course FM MUTUU to GOROH.

## STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

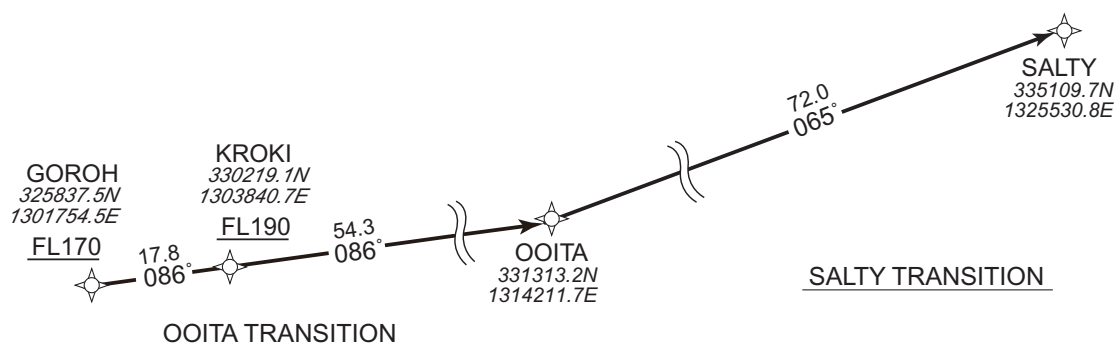
RNAV TRANSITION

SALTY TRANSITION / OOITA TRANSITION

Basic RNP1

Note GNSS required.

VAR 8° W(2021)

SALTY TRANSITION

From GOROH at or above FL170, to KROKI at or above FL190, to OOITA, to SALTY.

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	GOROH	—	—	-7.6	—	—	+FL170	—	—	Basic RNP1
002	TF	KROKI	—	086 (077.9)	-7.6	17.8	—	+FL190	—	—	Basic RNP1
003	TF	OOITA	—	086 (078.1)	-7.6	54.3	—	—	—	—	Basic RNP1
004	TF	SALTY	—	065 (057.8)	-7.6	72.0	—	—	—	—	Basic RNP1

OOITA TRANSITION

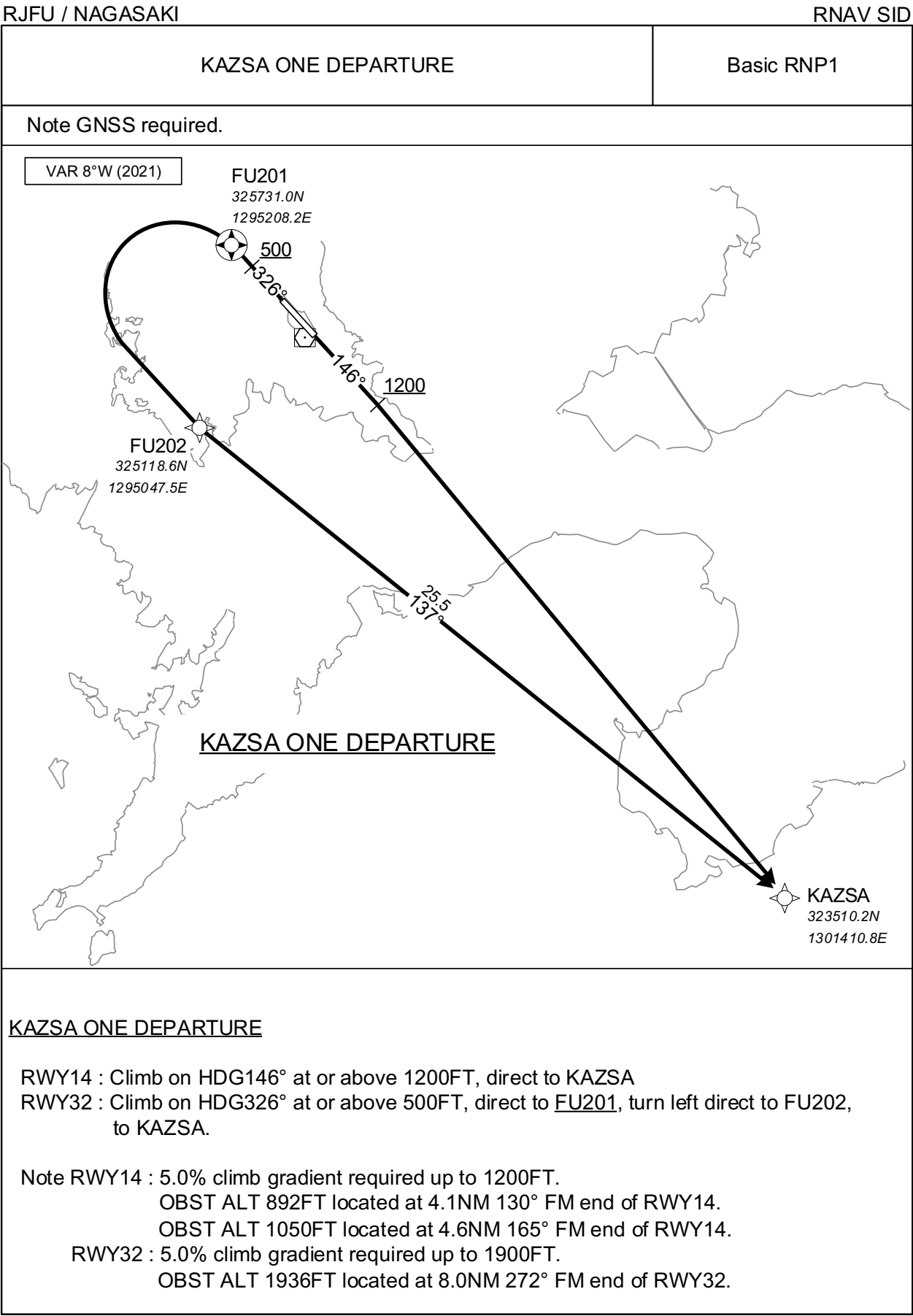
From GOROH at or above FL170, to KROKI at or above FL190, to OOITA.

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	GOROH	—	—	-7.6	—	—	+FL170	—	—	Basic RNP1
002	TF	KROKI	—	086 (077.9)	-7.6	17.8	—	+FL190	—	—	Basic RNP1
003	TF	OOITA	—	086 (078.1)	-7.6	54.3	—	—	—	—	Basic RNP1

CHANGE : VAR. Navigation specification. Course FM GOROH to KROKI.



STANDARD DEPARTURE CHART -INSTRUMENT



## STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

KAZSA ONE DEPARTURE

## RWY14

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	—	—	146 (138.1)	-7.6	—	—	+1200	—	—	Basic RNP1
002	DF	KAZSA	—	—	-7.6	—	—	—	—	—	Basic RNP1

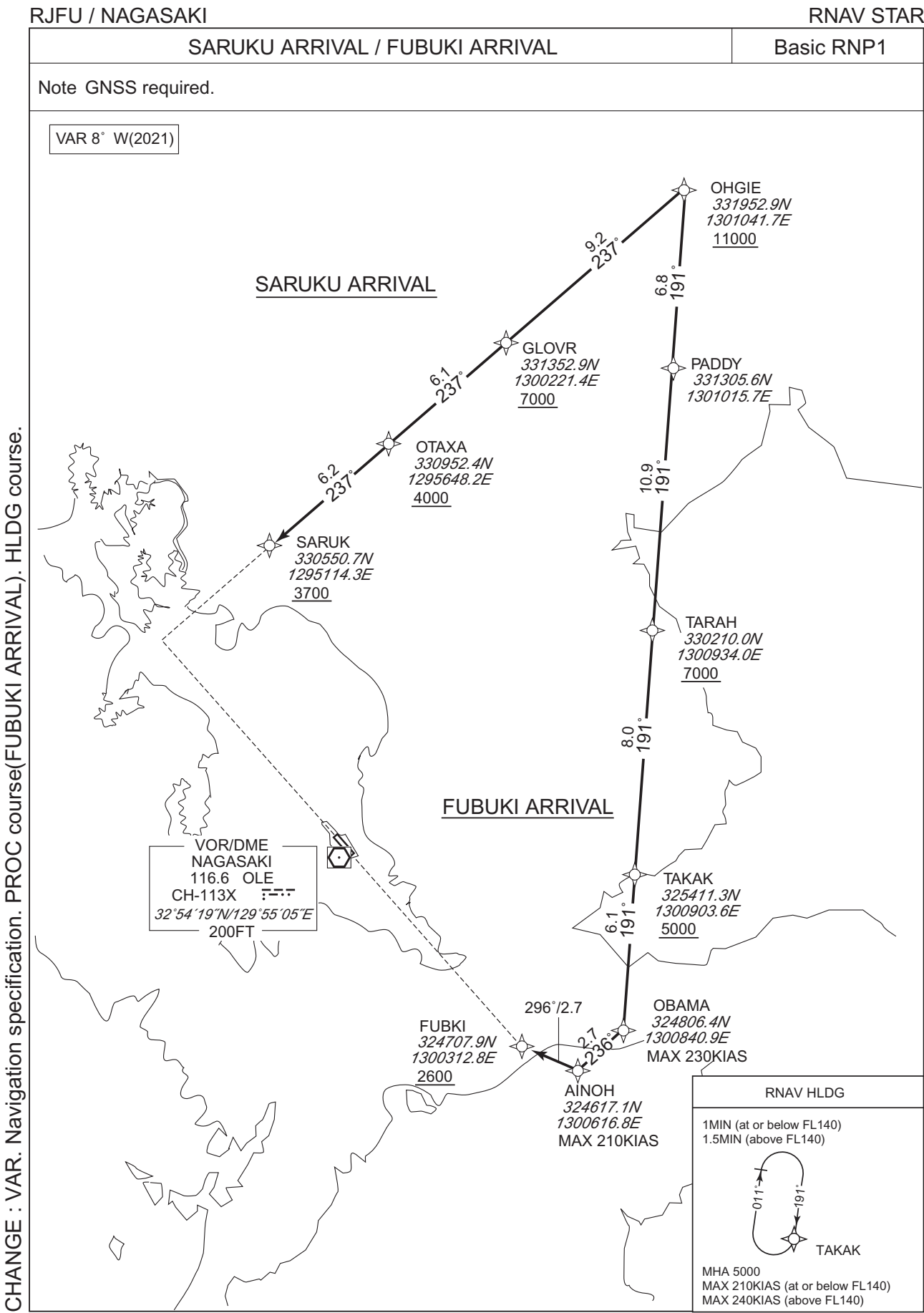
## RWY32

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	—	—	326 (318.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU201	Y	—	-7.6	—	—	—	—	—	Basic RNP1
003	DF	FU202	—	—	-7.6	—	L	—	—	—	Basic RNP1
004	TF	KAZSA	—	137 (129.3)	-7.6	25.5	—	—	—	—	Basic RNP1

CHANGE : New PROC.



STANDARD ARRIVAL CHART-INSTRUMENT



## STANDARD ARRIVAL CHART-INSTRUMENT

RJFU / NAGASAKI

RNAV STAR

SARUKU ARRIVAL

From OHGIE at or above 11000FT, to GLOVR at or above 7000FT, to OTAXA at or above 4000FT, to SARUK at or above 3700FT.

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	OHGIE	—	—	-7.6	—	—	+11000	—	—	Basic RNP1
002	TF	GLOVR	—	237 (229.3)	-7.6	9.2	—	+7000	—	—	Basic RNP1
003	TF	OTAXA	—	237 (229.2)	-7.6	6.1	—	+4000	—	—	Basic RNP1
004	TF	SARUK	—	237 (229.2)	-7.6	6.2	—	+3700	—	—	Basic RNP1

FUBUKI ARRIVAL

From OHGIE at or above 11000FT, to PADDY, to TARAH at or above 7000FT, to TAKAK at or above 5000FT, to OBAMA, to AINOH, to FUBKI at or above 2600FT.

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	OHGIE	—	—	-7.6	—	—	+11000	—	—	Basic RNP1
002	TF	PADDY	—	191 (183.1)	-7.6	6.8	—	—	—	—	Basic RNP1
003	TF	TARAH	—	191 (183.1)	-7.6	10.9	—	+7000	—	—	Basic RNP1
004	TF	TAKAK	—	191 (183.0)	-7.6	8.0	—	+5000	—	—	Basic RNP1
005	TF	OBAMA	—	191 (183.0)	-7.6	6.1	—	—	-230	—	Basic RNP1
006	TF	AINOH	—	236 (228.0)	-7.6	2.7	—	—	-210	—	Basic RNP1
007	TF	FUBKI	—	296 (288.2)	-7.6	2.7	—	+2600	—	—	Basic RNP1

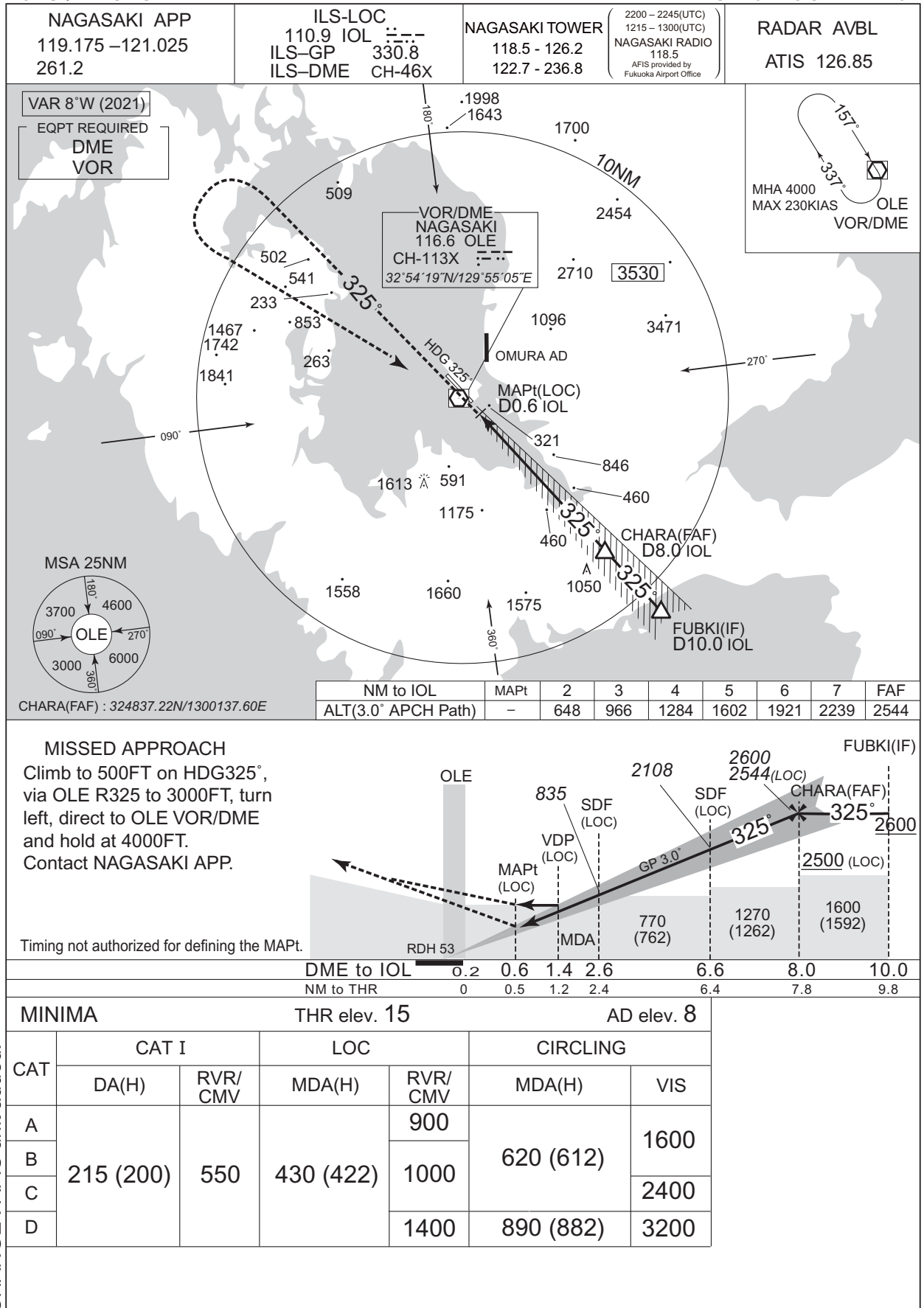
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	TAKAK	191 (183.0)	-7.6	1.0(-14000) 1.5(+14001)	R	5000	—	-210(-14000) -240(+14001)	Basic RNP1

CHANGE : VAR. Navigation specification: PROC course(FUBUKI ARRIVAL). HLDG course.

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

ILS Z or LOC Z RWY32



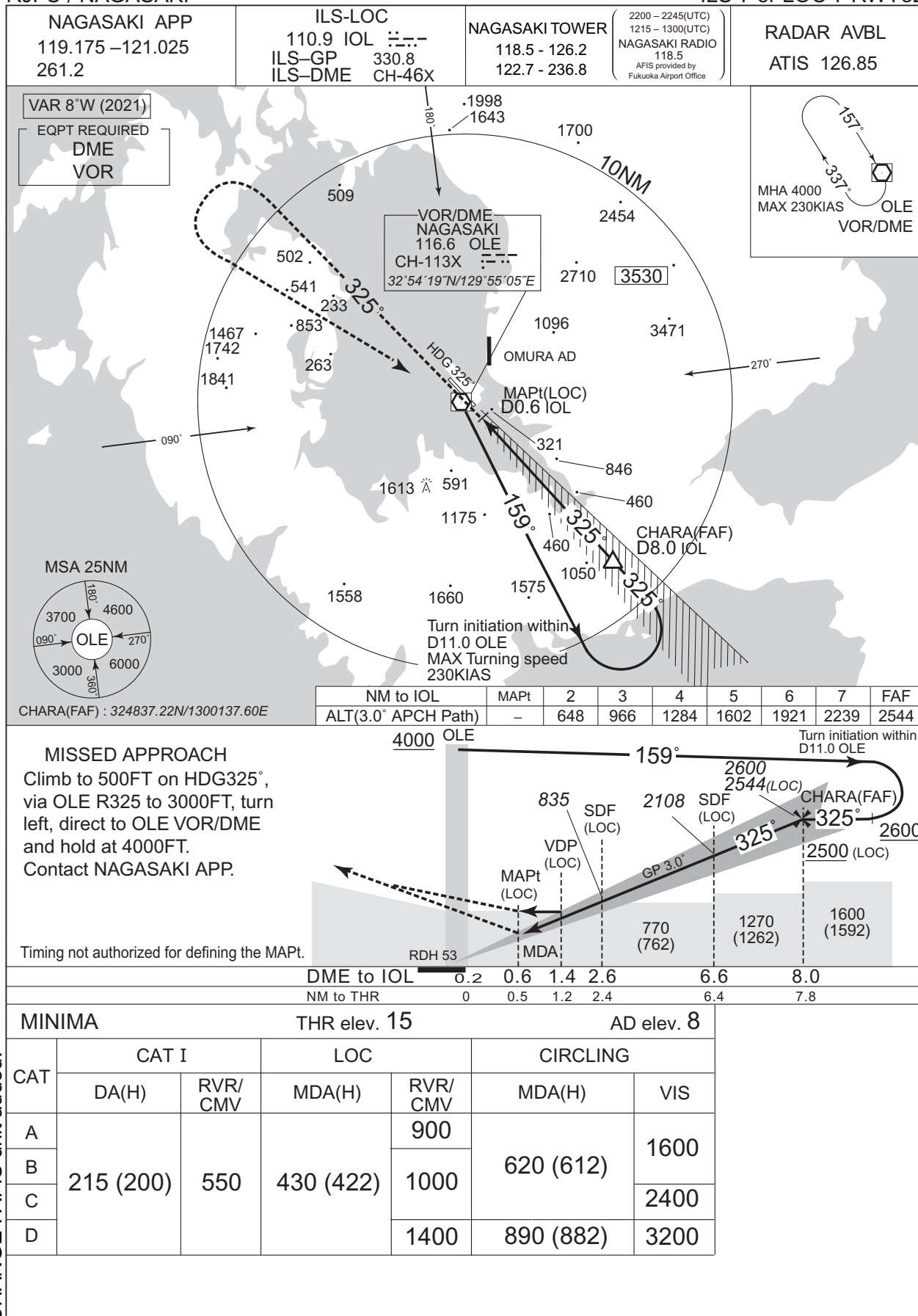
CHANGE : AFIS unit added.



## INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

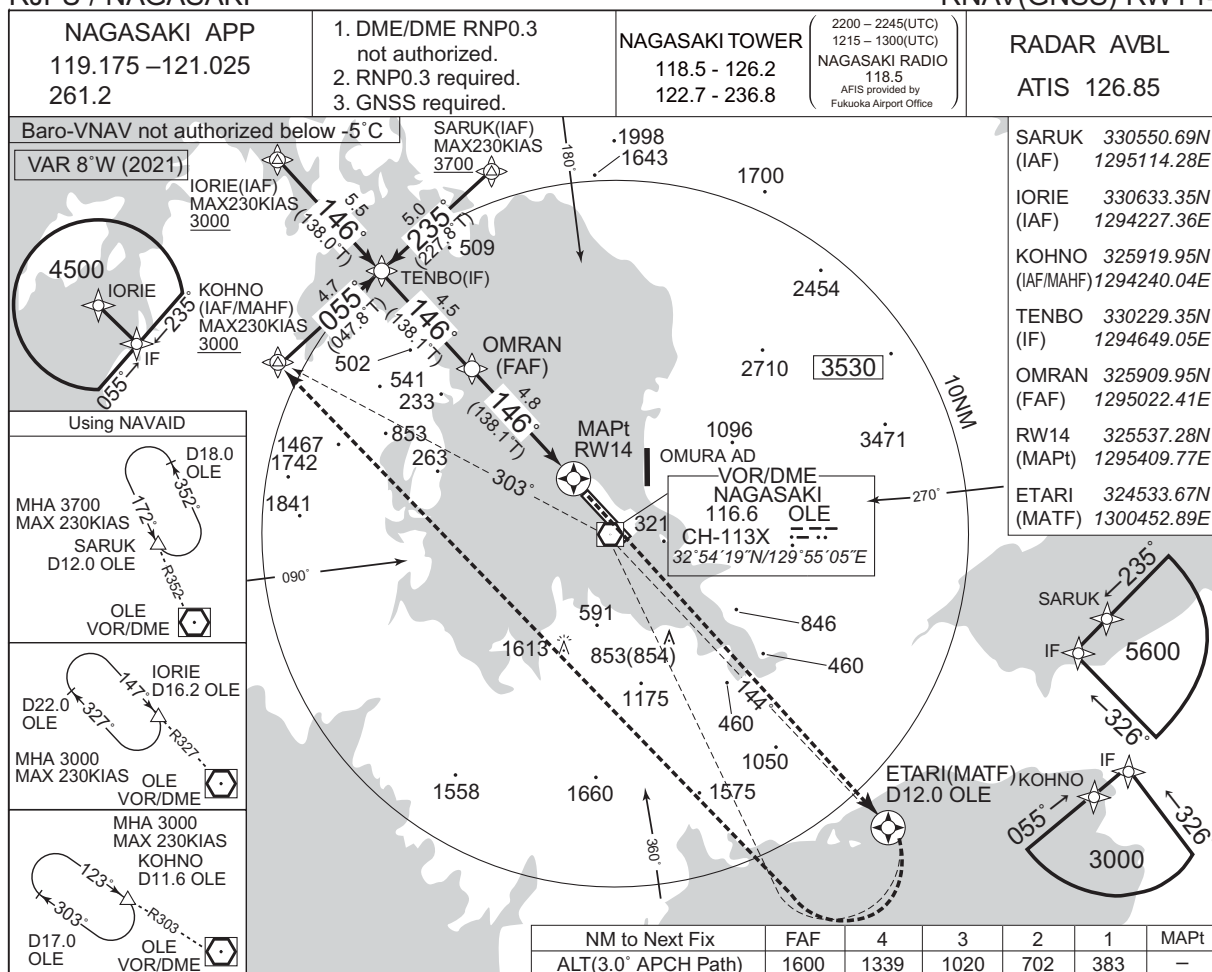
ILS Y or LOC Y RWY32



CHANGE : AFIS unit added.

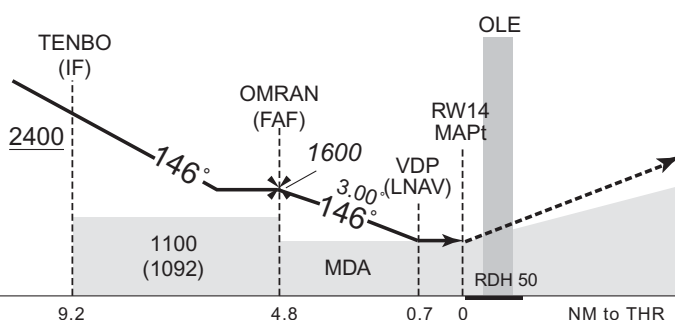
## RJFU / NAGASAKI

RNAV(GNSS) RWY14



Direct to ETARI, turn right direct to  
KOHNO and hold at 3000FT.  
Contact NAGASAKI APP.

(For using VOR/DME)  
Climb via OLE R144 to ETARI, turn  
right, direct to OLE VOR/DME, via  
OLE R303 to KOHNO and hold at  
3000FT.  
Contact NAGASAKI APP.



Missed APCH climb gradient MNM 3.0%

MINIMA		THR elev. 14		AD elev. 8		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	290 (276)	1000	290 (282)	1000	620 (612)	1600
B		1100		1100		
C		1200		1200		
D		1400		1400	890(882)	3200

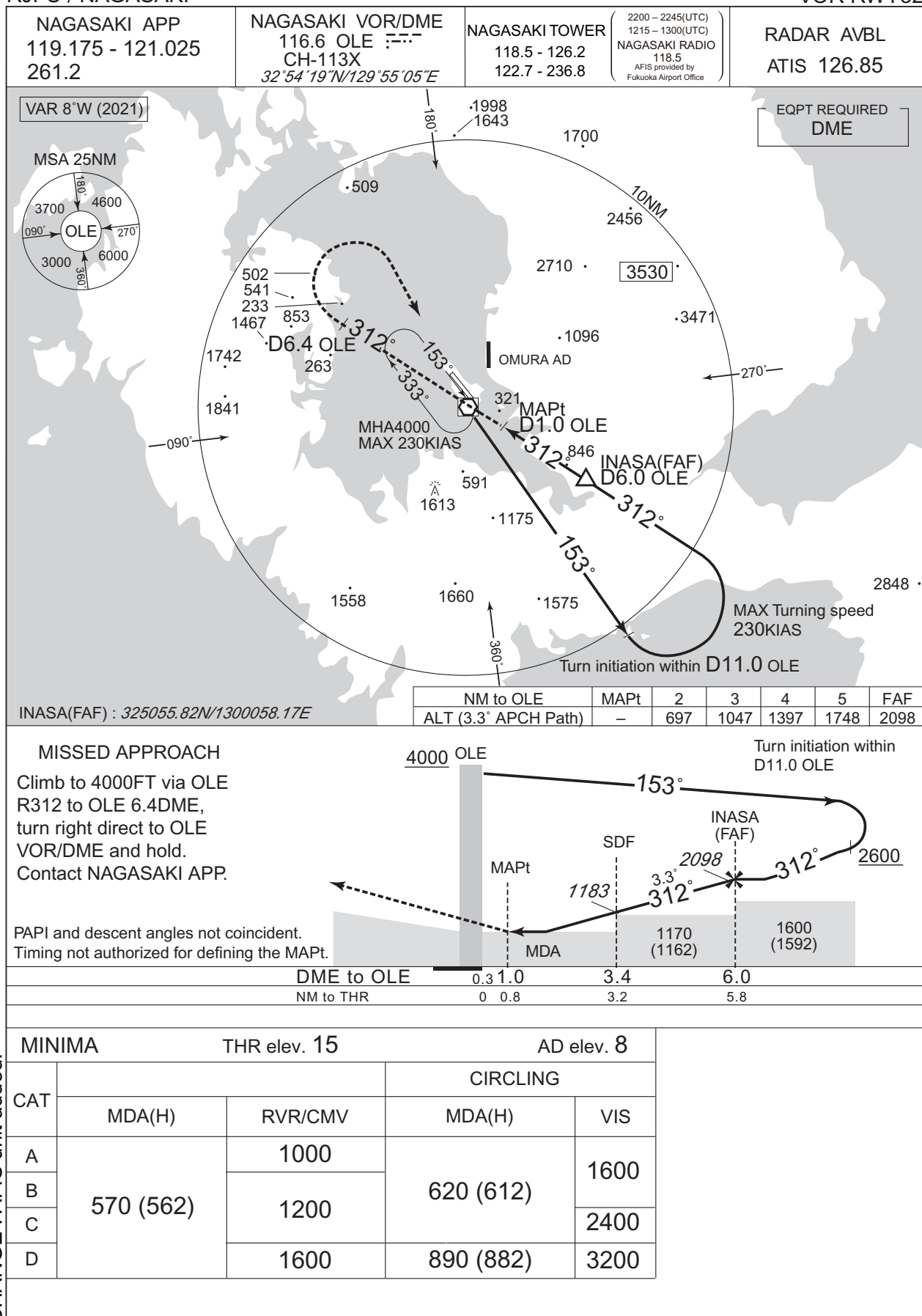
MINIMA with Missed APCH climb gradient 2.5% are not established.

CHANGE : AFIS unit added.

## INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

VOR RWY32



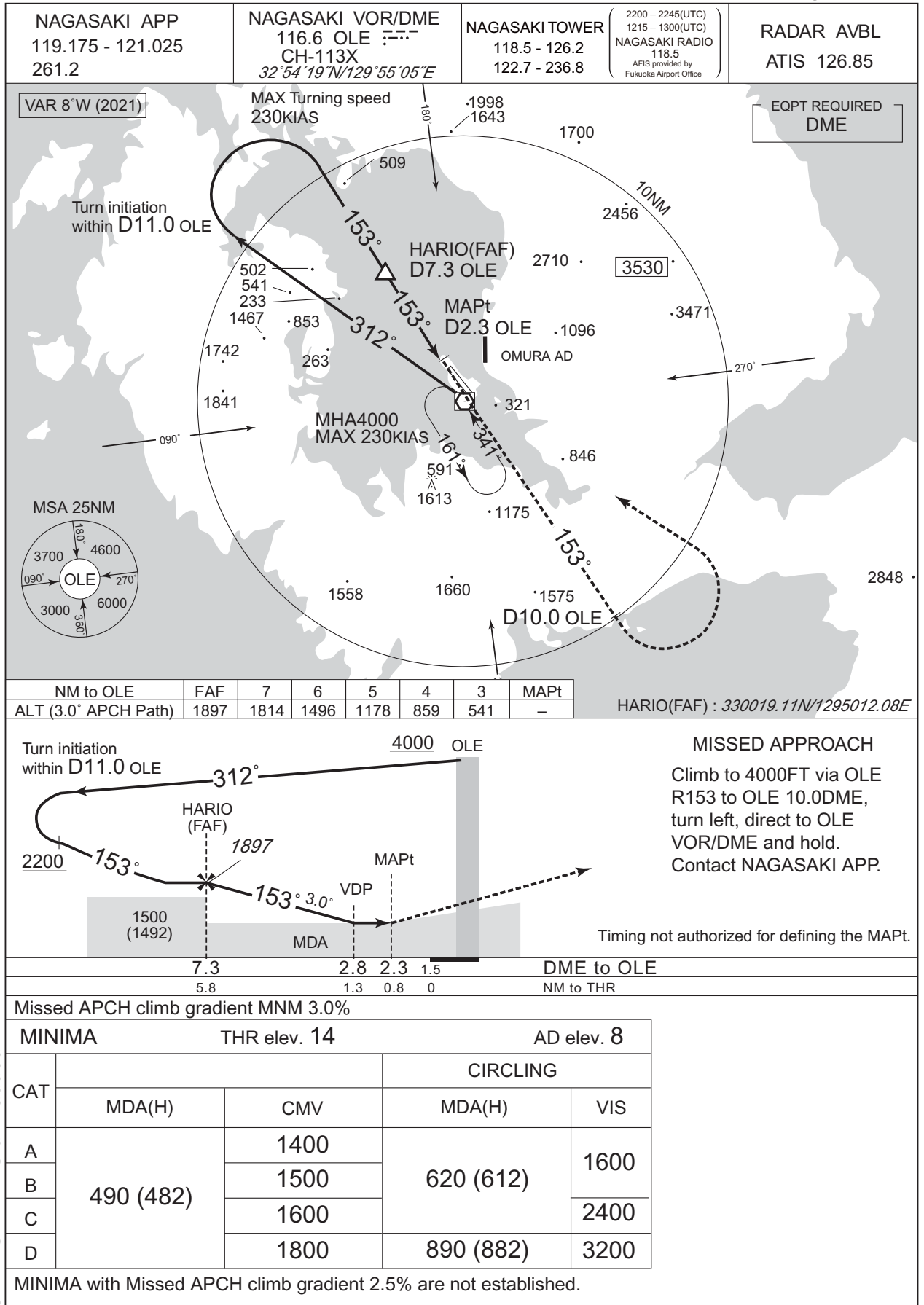
CHANGE : AFIS unit added.



## INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

VOR RWY14



**INTENTIONALLY LEFT BLANK**

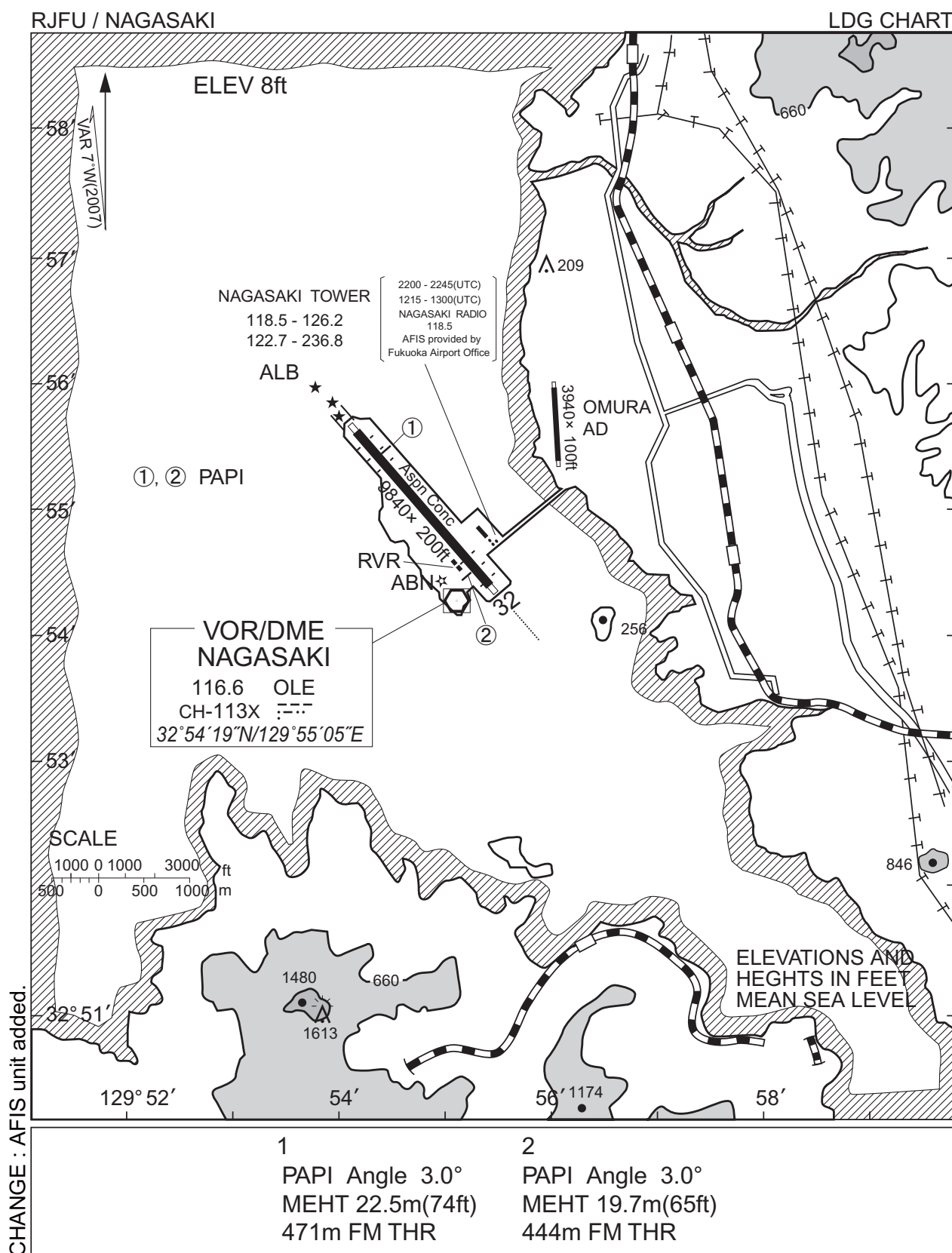


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

Call sign	BRG / DIST from ARP	Remarks
川棚 Kawatana	345°T / 9.4NM	JR駅 JR Station
彼杵 Sonogi	360°T / 7.4NM	JR駅 JR Station
鈴田 Suzuta	113°T / 4.3NM	長崎自動車道と国道34号線の交点 Intersection
長田 Nagata	112°T / 9.4NM	不知火橋 Bridge
西彼 Seihi	301°T / 9.2NM	オランダ村 Windmill
二島 Futashima	244°T / 3.1NM	二島 Island
堂崎 Dozaki	217°T / 2.7NM	堂崎鼻 A point of land
鷹島 Takashima	237°T / 5.4NM	鷹島 Island
時津 Tokitsu	213°T / 6.0NM	時津港 Harbor
三重 Mie	233°T / 11.1NM	三重崎 A point of land

CHANGE : Map updated. BRG/DIST from ARP.

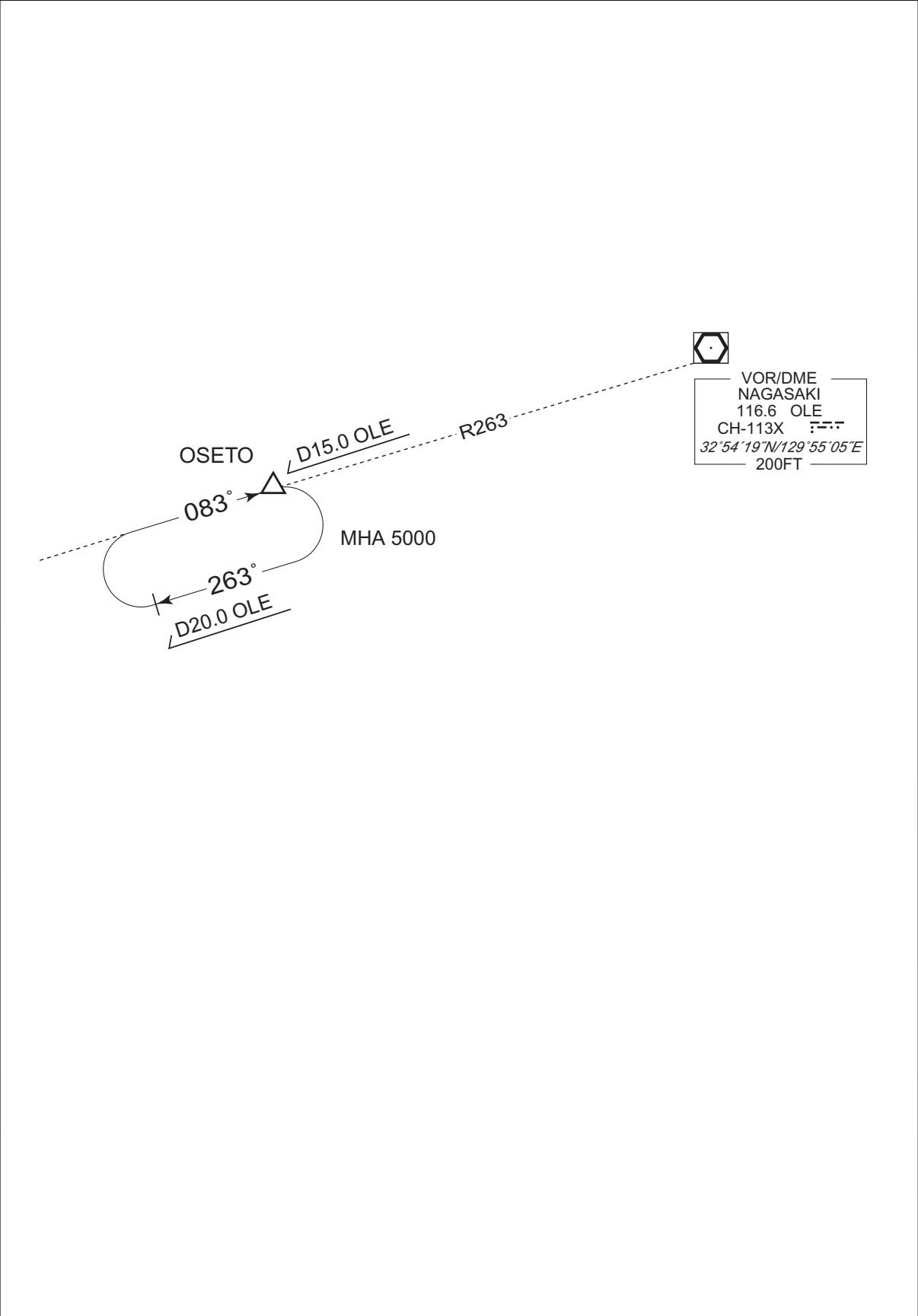




RJFU / NAGASAKI

HOLDING PATTERN

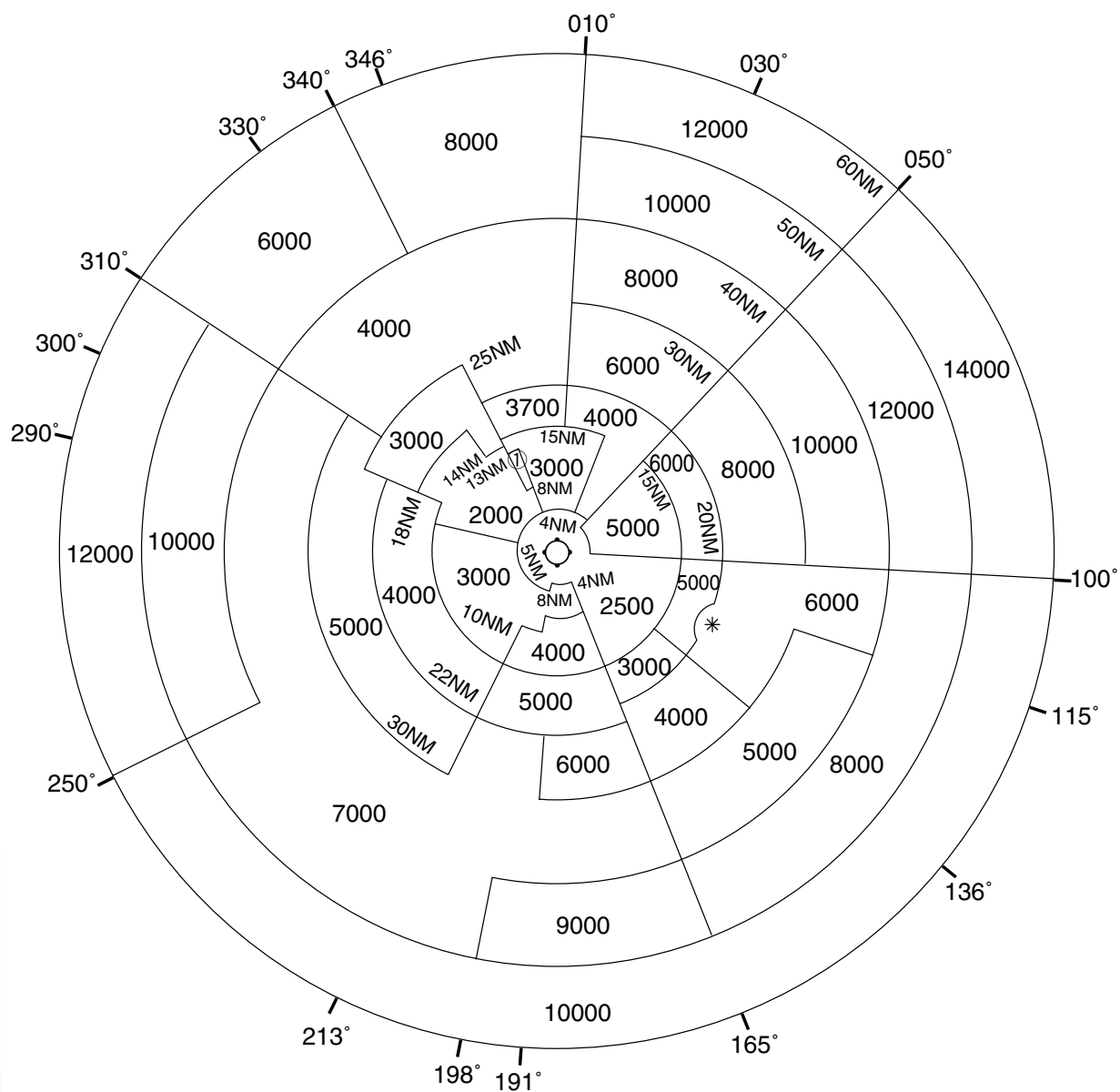
CHANGE : HLDG course.



RJFU / NAGASAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2011)



① 2300

CENTER : 325458N/1295428E (RADAR SITE)

\* : 324540N/1301756E RADIUS : 3NM