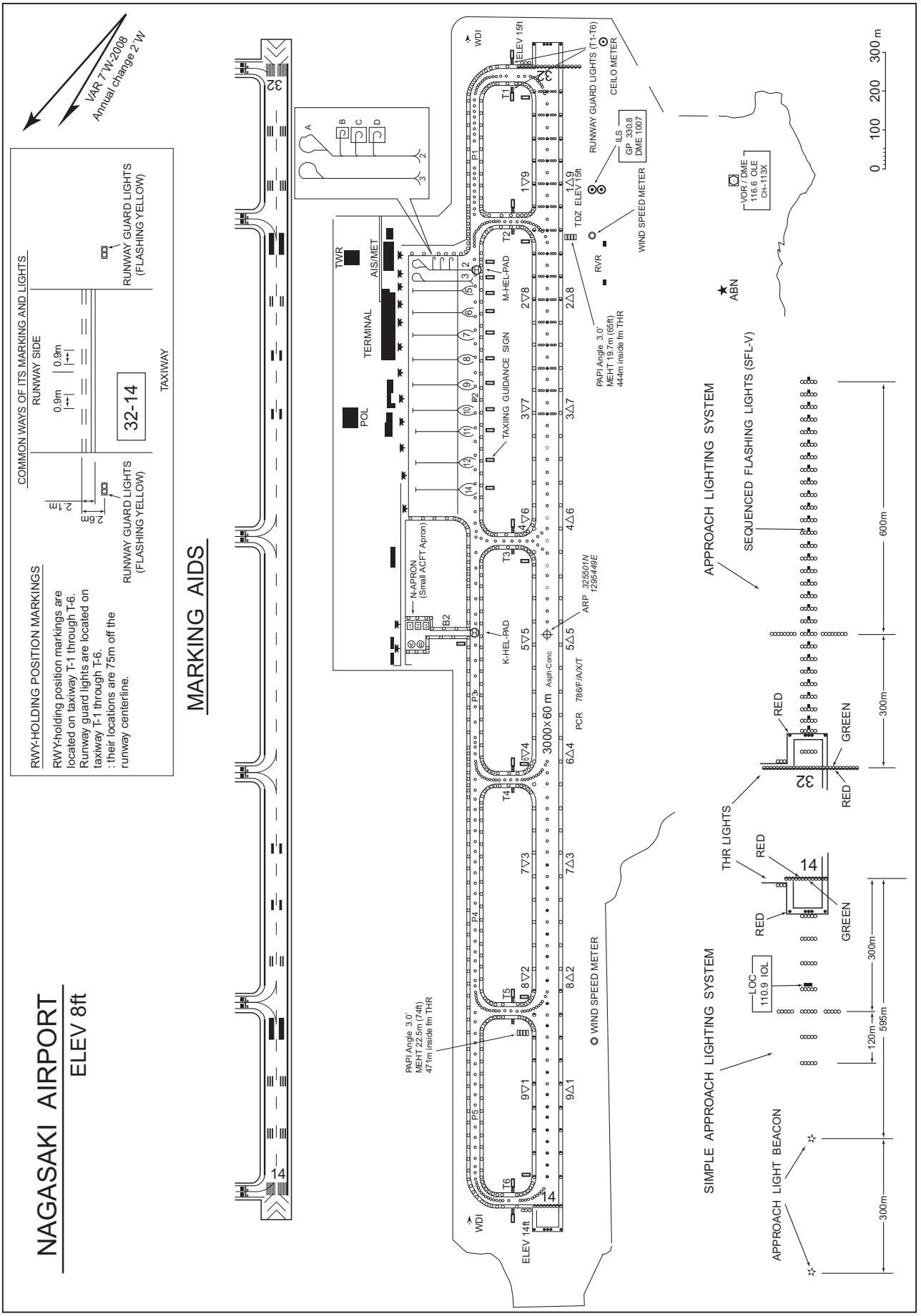
RJFU / NAGASAKI AD CHART

CHANGE : Description of strength of pavement.

NAGASAKI AIRPORT

ELEV 8ft

MARKING AIDS



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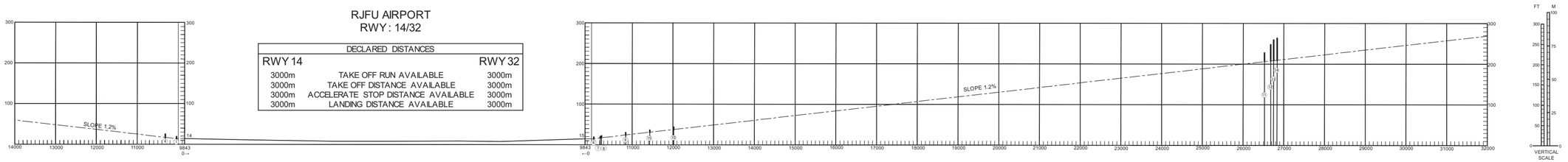
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
Transverse Mercator Projection

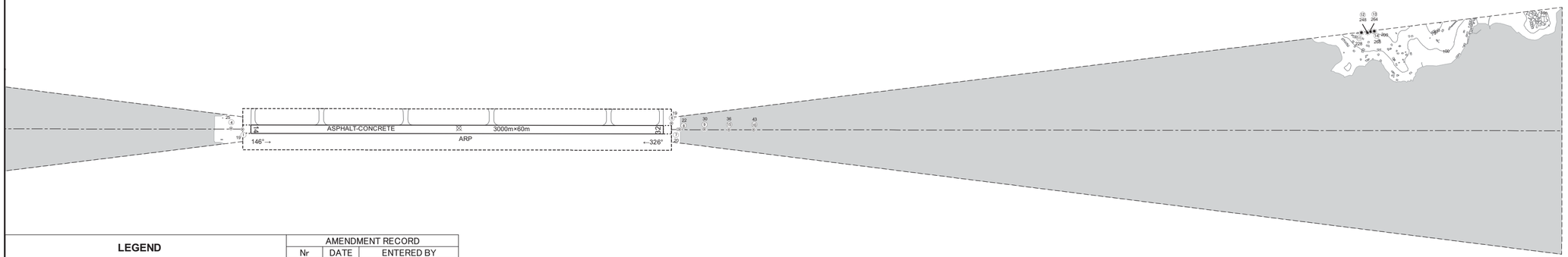
AERDROME OBSTACLE CHART - ICAO
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 8°W - JUN 2023

RJFU AIRPORT
RWY : 14/32

DECLARED DISTANCES		
RWY 14		RWY 32
3000m	TAKE OFF RUN AVAILABLE	3000m
3000m	TAKE OFF DISTANCE AVAILABLE	3000m
3000m	ACCELERATE STOP DISTANCE AVAILABLE	3000m
3000m	LANDING DISTANCE AVAILABLE	3000m





LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- TREE
- LEVEE
- RAILROAD
- RIVER
- TRIANGULATION POINT
- AERONAUTICAL GROUND LIGHT
- BUILDING OR LARGE STRUCTURE
- CONTOURS(ft)

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

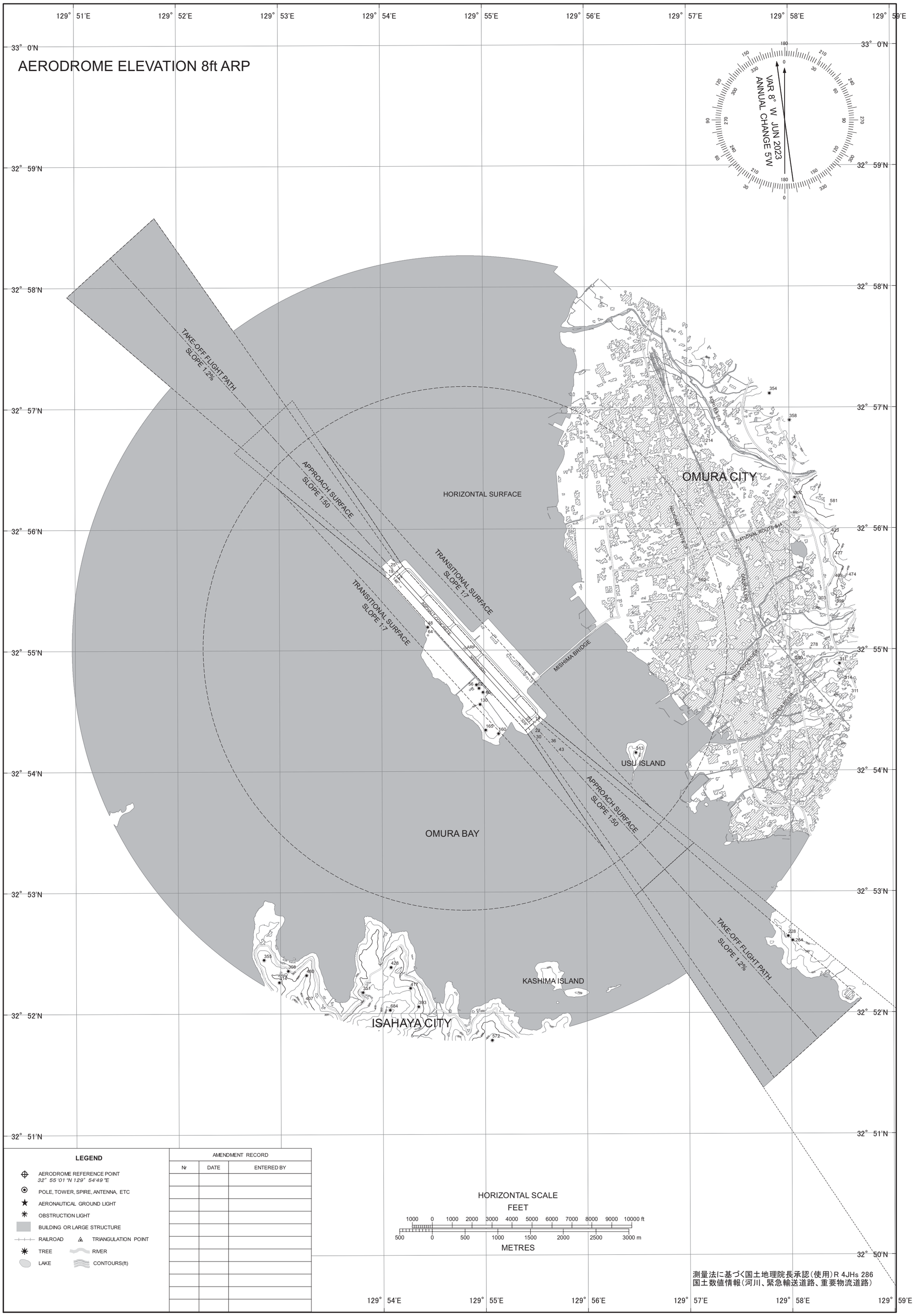
HORIZONTAL SCALE
FEET
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 ft
500 0 500 1000 1500 2000 2500 3000 m
METRES

測量法に基づく国土地理院長承認（使用） R 4JHs 286

CHANGE: Update

AERDROME OBSTACLE CHART - ICAO
TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC
Transverse Mercator Projection



CHANGE: Update

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI SID

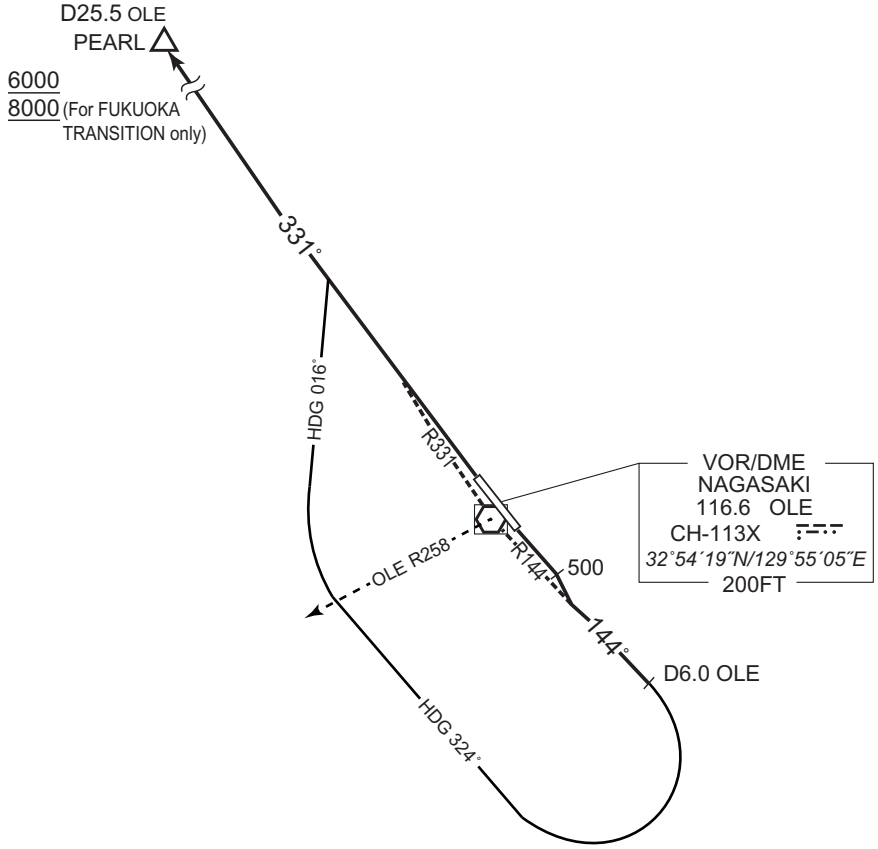
NORTH ONE DEPARTURE

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 : Description of PROC name.

STANDARD DEPARTURE CHART -INSTRUMENT

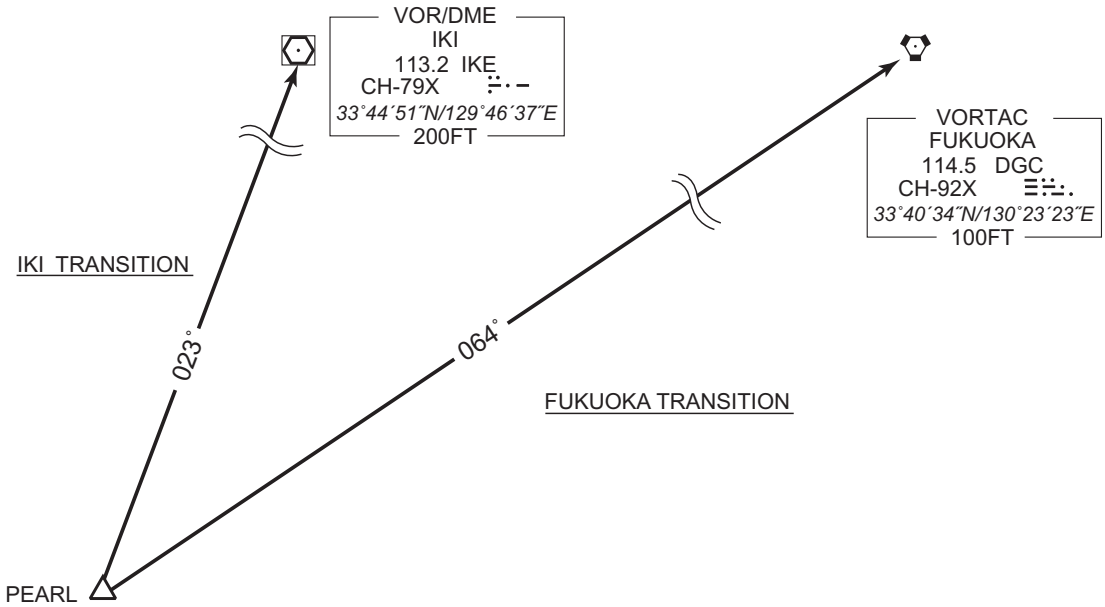
RJFU / NAGASAKI TRANSITION

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 R203 to IKE VOR/DME.



CHANGE : Course FM PEARL to IKE.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI SID

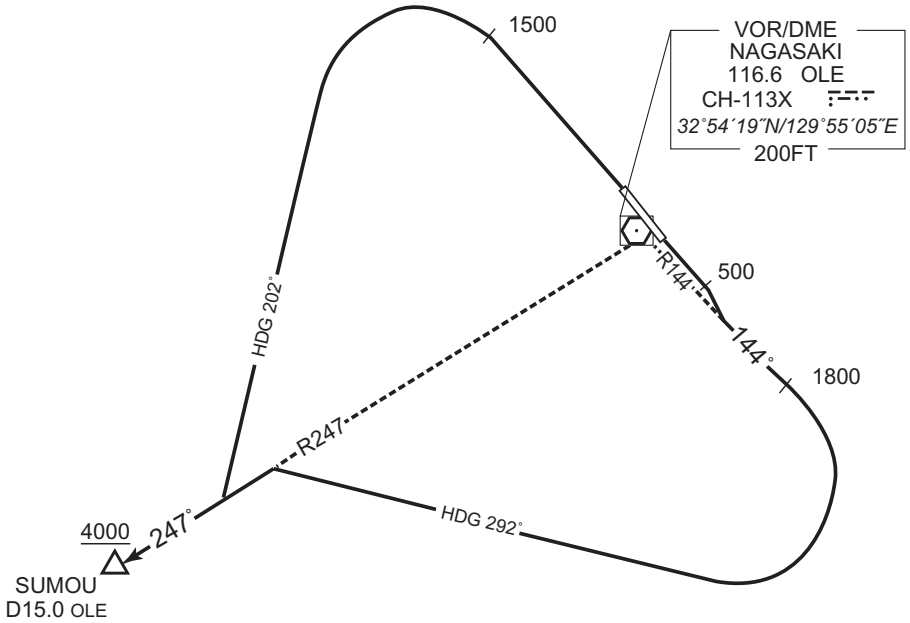
WEST SEVEN DEPARTURE

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.



CHANGE : Description of PROC name.

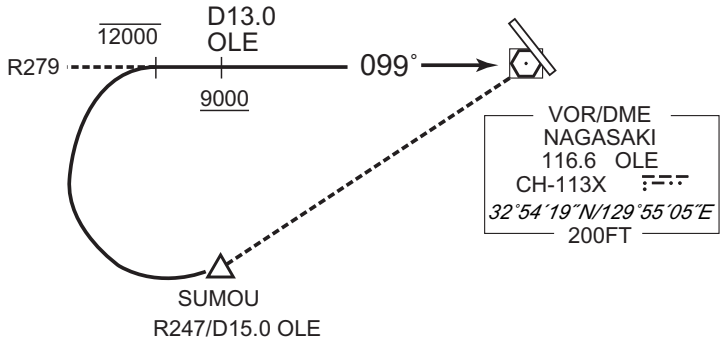
RJFU / NAGASAKI TRANSITION

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.

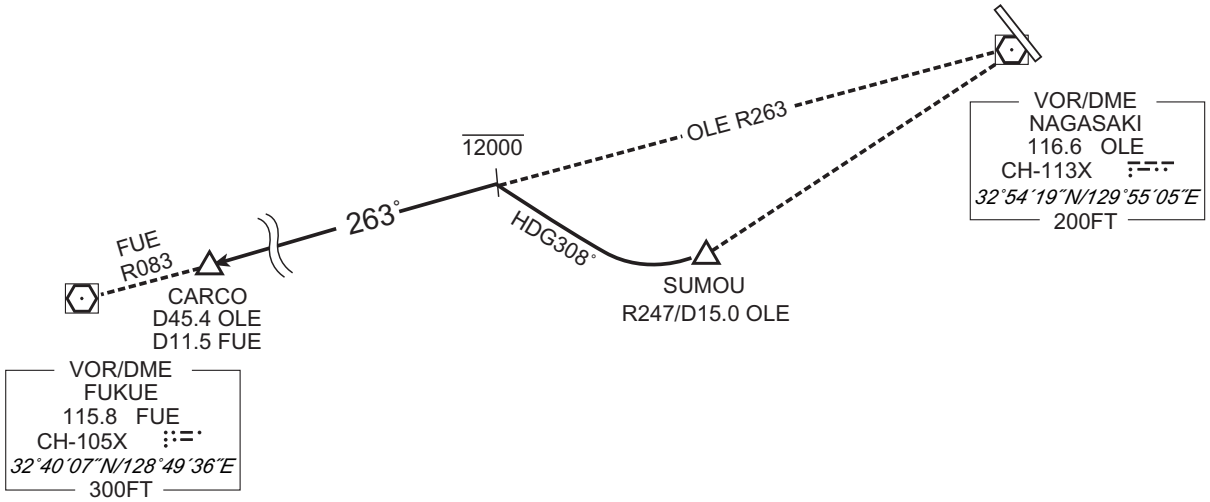
Cross OLE R279/13.0DME at or above 9000FT.



CARCO TRANSITION

From over SUMOU, turn right HDG308˚ to intercept and proceed via OLE R263 /FUE R083 to CARCO.

Maintain 12000FT or below until intercepting OLE R263.



CHANGE : Bearing FM FUE.

STANDARD DEPARTURE CHART -INSTRUMENT

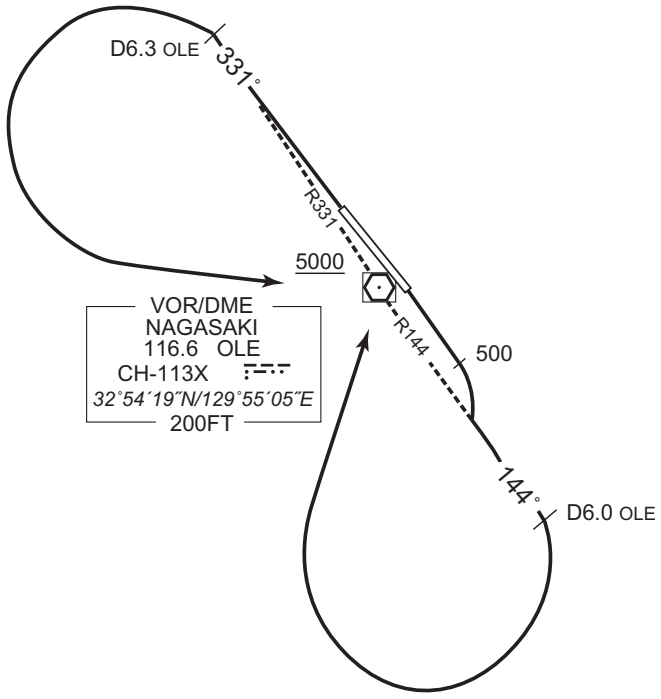
RJFU / NAGASAKI SID

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.



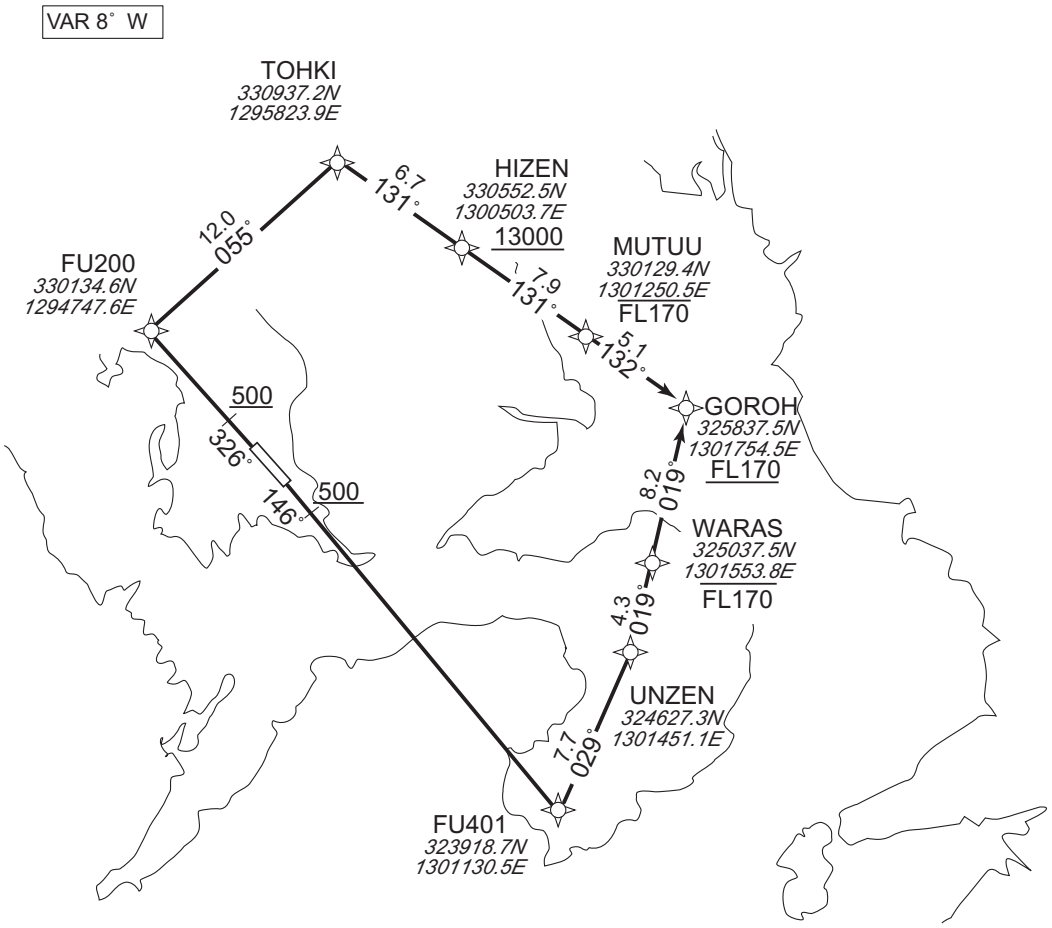
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI RNAV SID

CHIKUGO FIVE DEPARTURE	RNP1

Note GNSS required.



RWY14 : Climb on HDG146° at or above 500FT, direct to FU401, to UNZEN, to WARAS at or below FL170, to GOROH at or above FL170.

RWY32 : Climb on HDG326° at or above 500FT, direct to FU200, to TOHKI, to HIZEN at or above 13000FT, to MUTUU at or below FL170, to GOROH at or above FL170.

NOTE RWY14 : 5.0% climb gradient required up to 4700FT.
OBST ALT 4954FT located at 20.8NM 122° FM end of RWY14.

RWY32 : 5.0% climb gradient required up to 500FT.
OBST ALT 2067FT located at 9.8NM 013° FM end of RWY32.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	RNP1
002	DF	FU401	-	-	-7.6	-	-	-	-	-	RNP1
003	TF	UNZEN	-	029 (021.5)	-7.6	7.7	-	-	-	-	RNP1
004	TF	WARAS	-	019 (011.9)	-7.6	4.3	-	-FL170	-	-	RNP1
005	TF	GOROH	-	019 (011.9)	-7.6	8.2	-	+FL170	-	-	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	-	-	RNP1
002	DF	FU200	-	-	-7.6	-	-	-	-	-	RNP1
003	TF	TOHKI	-	055 (047.8)	-7.6	12.0	-	-	-	-	RNP1
004	TF	HIZEN	-	131 (123.8)	-7.6	6.7	-	+13000	-	-	RNP1
005	TF	MUTUU	-	131 (123.9)	-7.6	7.9	-	-FL170	-	-	RNP1
006	TF	GOROH	-	132 (124.0)	-7.6	5.1	-	+FL170	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

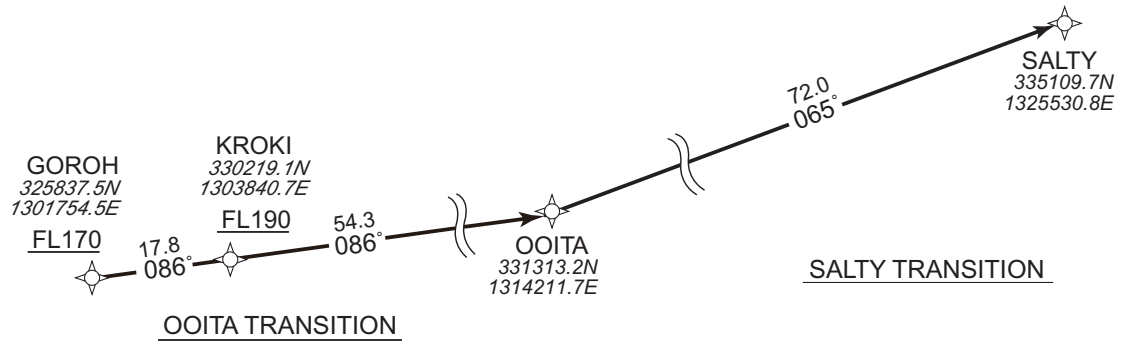
STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI — RNAV TRANSITION

SALTY TRANSITION / OOITA TRANSITION	RNP1

Note GNSS required.

VAR 8° W



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

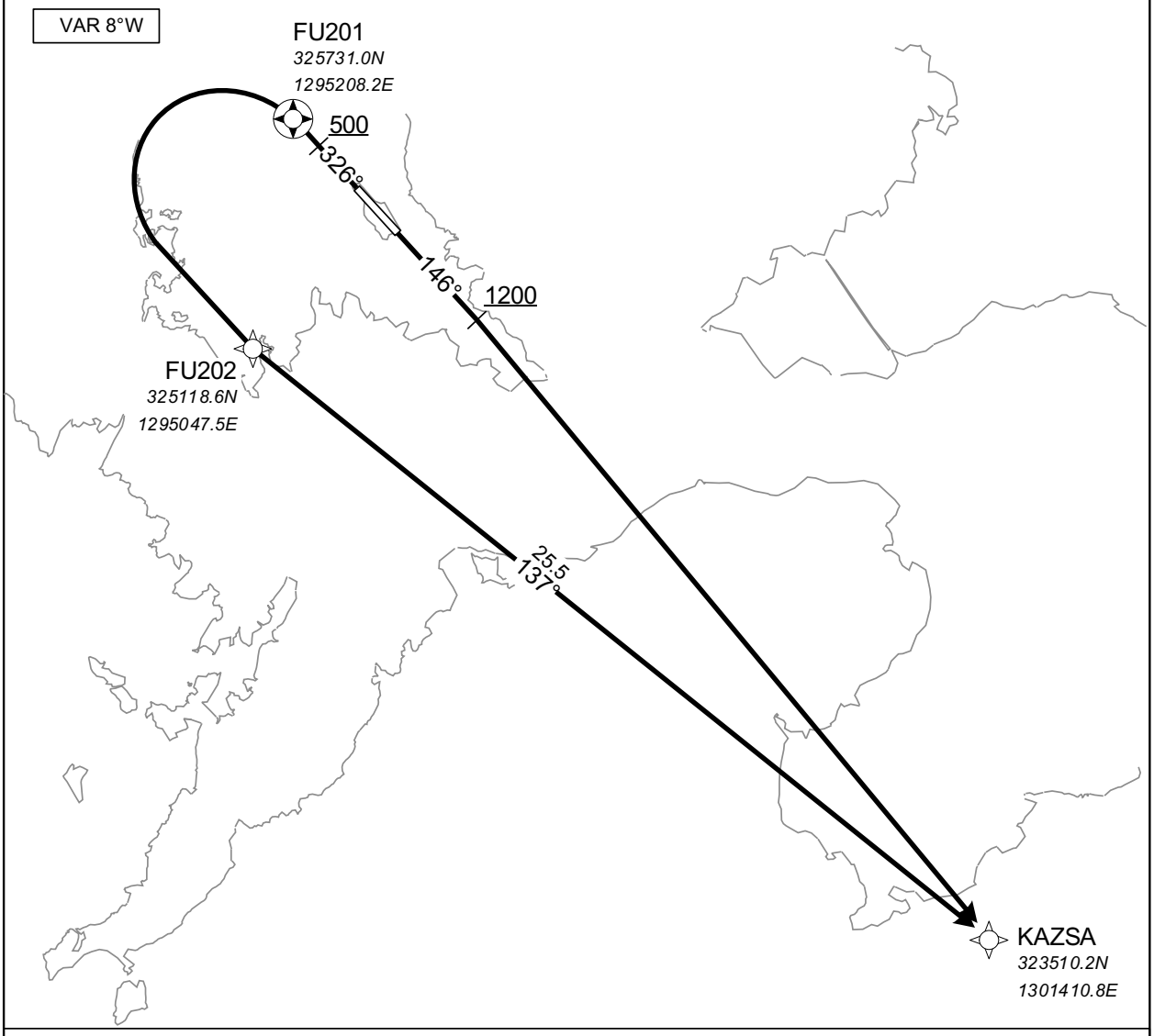
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI RNAV SID

KAZSA ONE DEPARTURE	RNP1

Note GNSS required.



RWY14 : Climb on HDG146° at or above 1200FT, direct to KAZSA
RWY32 : Climb on HDG326° at or above 500FT, direct to FU201, turn left direct to FU202, to KAZSA.

Note RWY14 : 5.0% climb gradient required up to 1200FT.
OBST ALT 892FT located at 4.1NM 130° FM end of RWY14.
OBST ALT 1050FT located at 4.6NM 165° FM end of RWY14.
RWY32 : 5.0% climb gradient required up to 1900FT.
OBST ALT 1936FT located at 8.0NM 272° FM end of RWY32.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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	-	-	RNP1
002	DF	KAZSA	-	-	-7.6	-	-	-	-	-	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	-	-	RNP1
002	DF	FU201	Y	-	-7.6	-	-	-	-	-	RNP1
003	DF	FU202	-	-	-7.6	-	L	-	-	-	RNP1
004	TF	KAZSA	-	137 (129.3)	-7.6	25.5	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

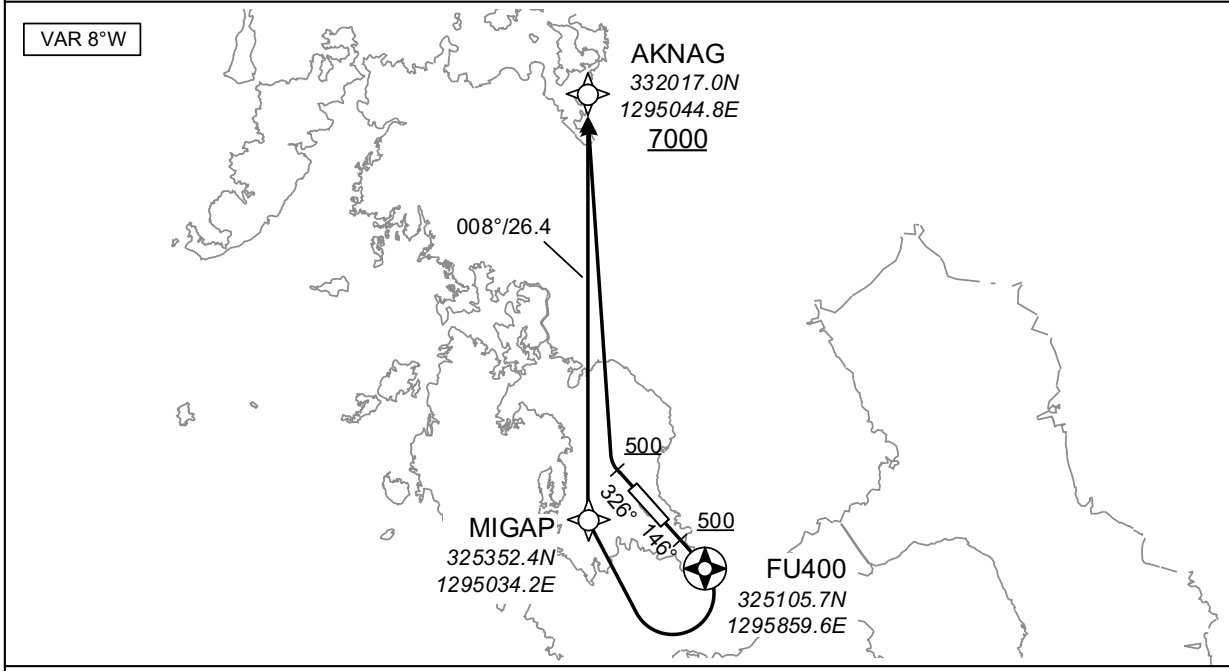
STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

AKNAG ONE DEPARTURE	RNP1

Note GNSS required.



RWY14 : Climb on HDG146° at or above 500FT, direct to FU400, turn right direct to MIGAP, to AKNAG at or above 7000FT.

RWY32 : Climb on HDG326° at or above 500FT, turn right direct to AKNAG at or above 7000FT.

Note RWY14 : 5.0% climb gradient required up to 1800FT.
OBST ALT 1247FT located at 4.2NM 177° FM end of RWY14.
OBST ALT 1634FT located at 3.6NM 211° FM end of RWY14.
RWY32 : 5.0% climb gradient required up to 1200FT.
OBST ALT 1739FT located at 8.7NM 010° FM end of RWY32.

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)	-7.7	-	-	+500	-	-	RNP1
002	DF	FU400	Y	-	-7.7	-	-	-	-	-	RNP1
003	DF	MIGAP	-	-	-7.7	-	R	-	-	-	RNP1
004	TF	AKNAG	-	008 (000.3)	-7.7	26.4	-	+7000	-	-	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)	-7.7	-	-	+500	-	-	RNP1
002	DF	AKNAG	-	-	-7.7	-	R	+7000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

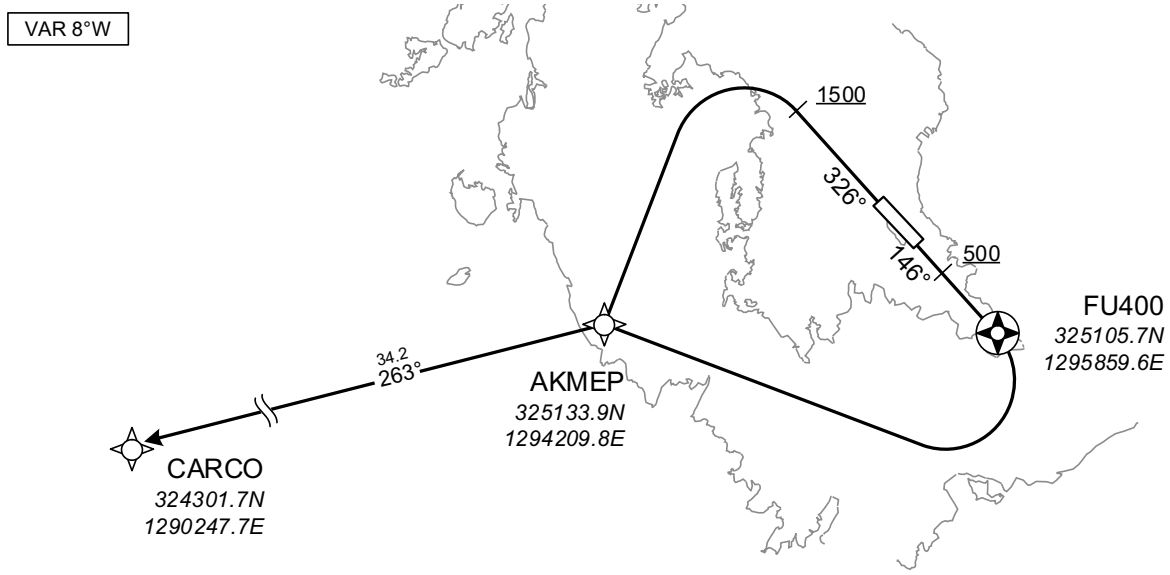
STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI RNAV SID

CARCO ONE DEPARTURE

RNP1

Note GNSS required.



RWY14 : Climb on HDG146° at or above 500FT, direct to FU400, turn right direct to AKMEP, to CARCO.

RWY32 : Climb on HDG326° at or above 1500FT, turn left direct to AKMEP, to CARCO.

Note RWY14 : 5.0% climb gradient required up to 1800FT.
OBST ALT 1247FT located at 4.2NM 177° FM end of RWY14.
OBST ALT 1634FT located at 3.6NM 211° FM end of RWY14.
RWY32 : 5.0% climb gradient required up to 1500FT.
OBST ALT 1969FT located at 8.0NM 272° FM end of RWY32.

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)	-7.7	-	-	+500	-	-	RNP1
002	DF	FU400	Y	-	-7.7	-	-	-	-	-	RNP1
003	DF	AKMEP	-	-	-7.7	-	R	-	-	-	RNP1
004	TF	CARCO	-	263 (255.7)	-7.7	34.2	-	-	-	-	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)	-7.7	-	-	+1500	-	-	RNP1
002	DF	AKMEP	-	-	-7.7	-	L	-	-	-	RNP1
003	TF	CARCO	-	263 (255.7)	-7.7	34.2	-	-	-	-	RNP1

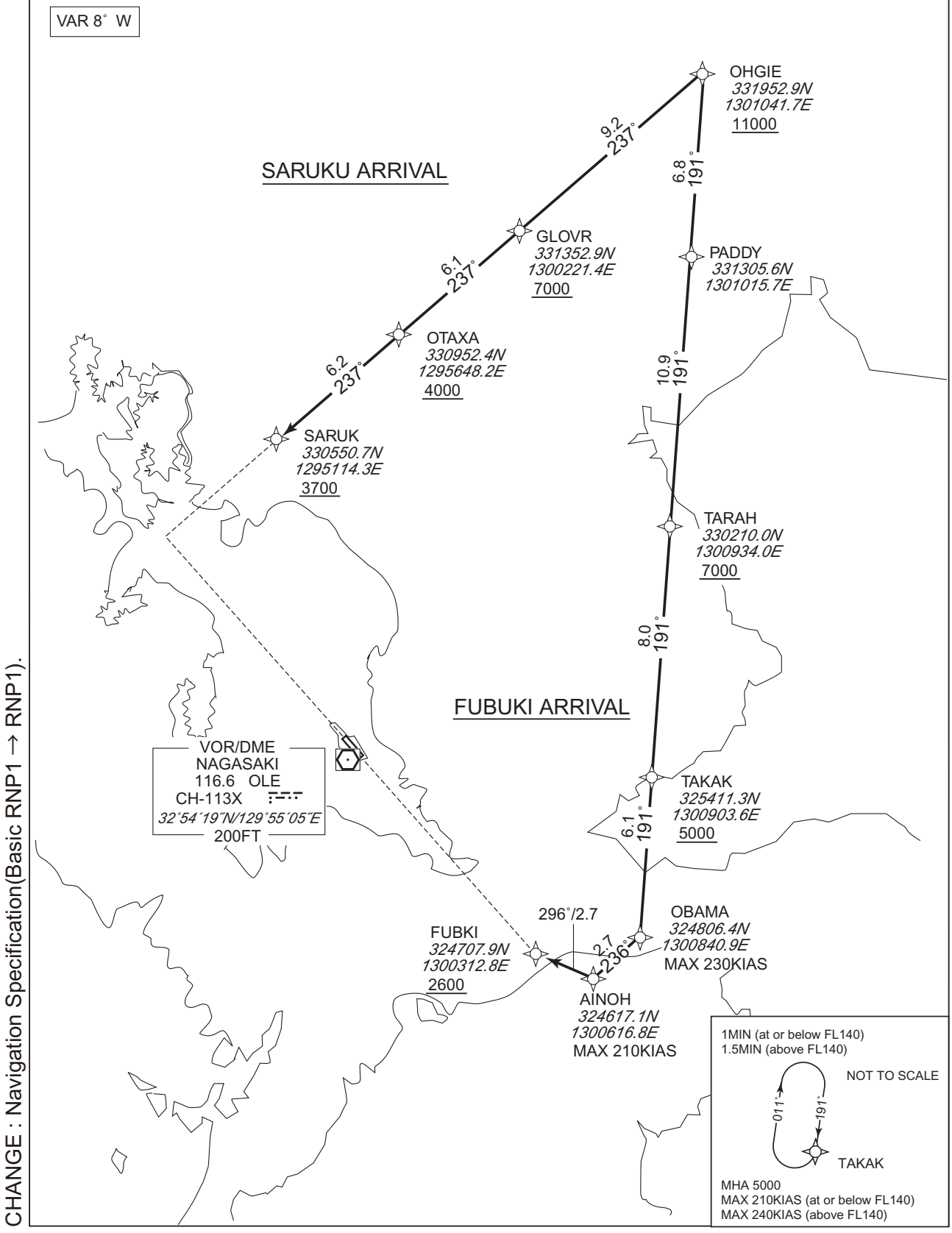
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFU / NAGASAKI — RNAV STAR

SARUKU ARRIVAL / FUBUKI ARRIVAL	RNP1

Note GNSS required.



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFU / NAGASAKI RNAV STAR

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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

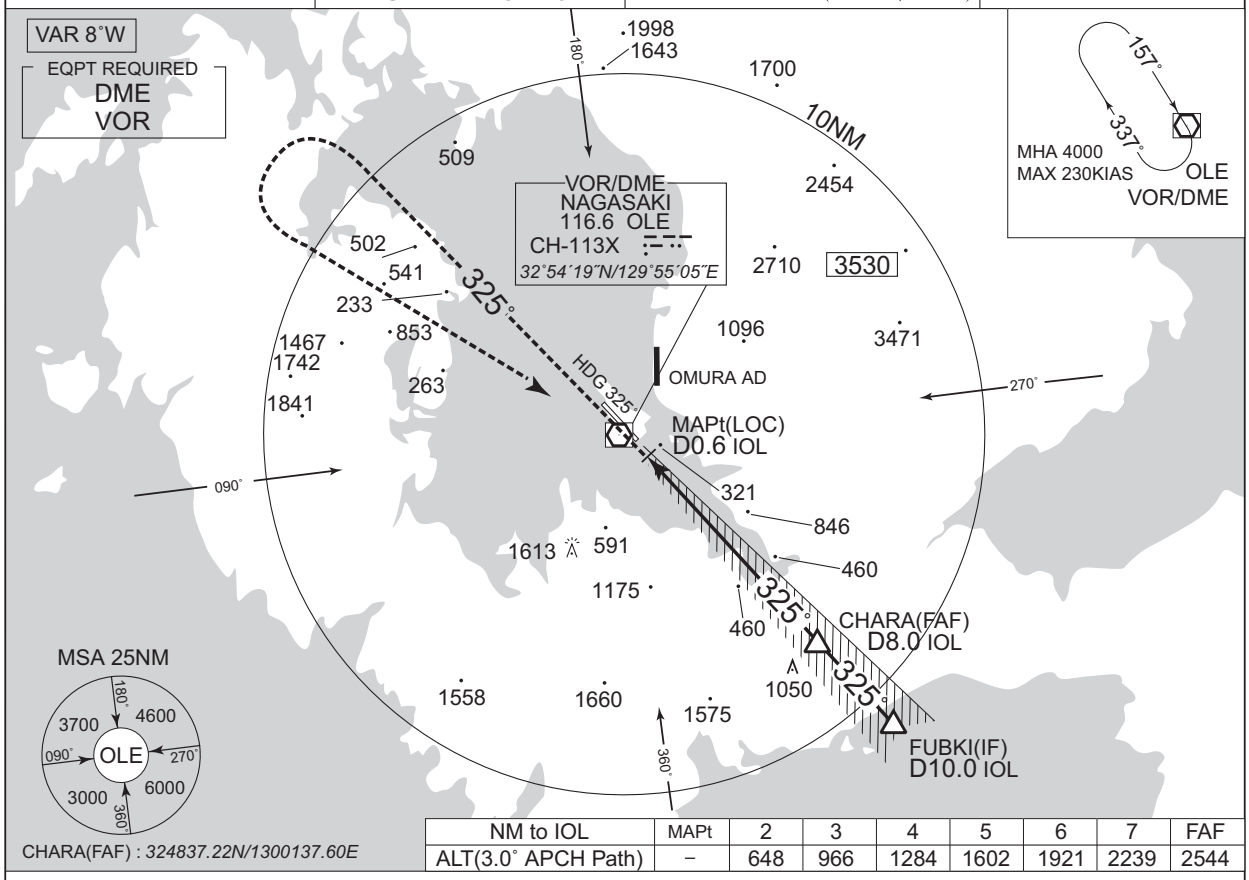
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	OHGIE	-	-	-7.6	-	-	+11000	-	-	RNP1
002	TF	PADDY	-	191 (183.1)	-7.6	6.8	-	-	-	-	RNP1
003	TF	TARAH	-	191 (183.1)	-7.6	10.9	-	+7000	-	-	RNP1
004	TF	TAKAK	-	191 (183.0)	-7.6	8.0	-	+5000	-	-	RNP1
005	TF	OBAMA	-	191 (183.0)	-7.6	6.1	-	-	-230	-	RNP1
006	TF	AINOH	-	236 (228.0)	-7.6	2.7	-	-	-210	-	RNP1
007	TF	FUBKI	-	296 (288.2)	-7.6	2.7	-	+2600	-	-	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)	RNP1

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI — ILS Z or LOC Z RWY32

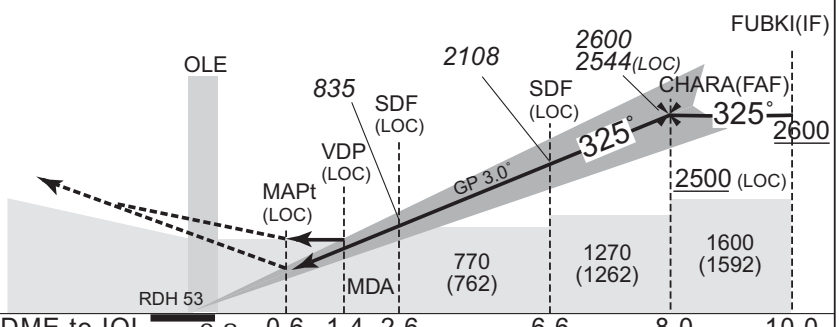
NAGASAKI APP	ILS-LOC	NAGASAKI TOWER		RADAR AVBL
119.175 –121.025	110.9 IOL	118.5 - 126.2	2200 – 2245(UTC) 1215 – 1300(UTC) NAGASAKI RADIO 118.5 AFIS provided by Fukuoka Airport Office	ATIS 126.85
261.2	ILS–GP 330.8	122.7 - 236.8		
	ILS–DME CH-46X			



NM to IOL	MAPt	2	3	4	5	6	7	FAF
ALT(3.0˚ APCH Path)	–	648	966	1284	1602	1921	2239	2544

MISSED APPROACH
Climb to 500FT on HDG325˚,
via OLE R325 to 3000FT, turn
left, direct to OLE VOR/DME
and hold at 4000FT.
Contact NAGASAKI APP.

Timing not authorized for defining the MAPt.



DME to IOL	0.2	0.6	1.4	2.6	6.6	8.0	10.0
NM to THR	0	0.5	1.2	2.4	6.4	7.8	9.8

MINIMA — THR elev. 15 — AD elev. 8

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	215 (200)	550	430 (422)	900	620 (612)	1600
B				1000		
C						2400
D				1400	890 (882)	3200

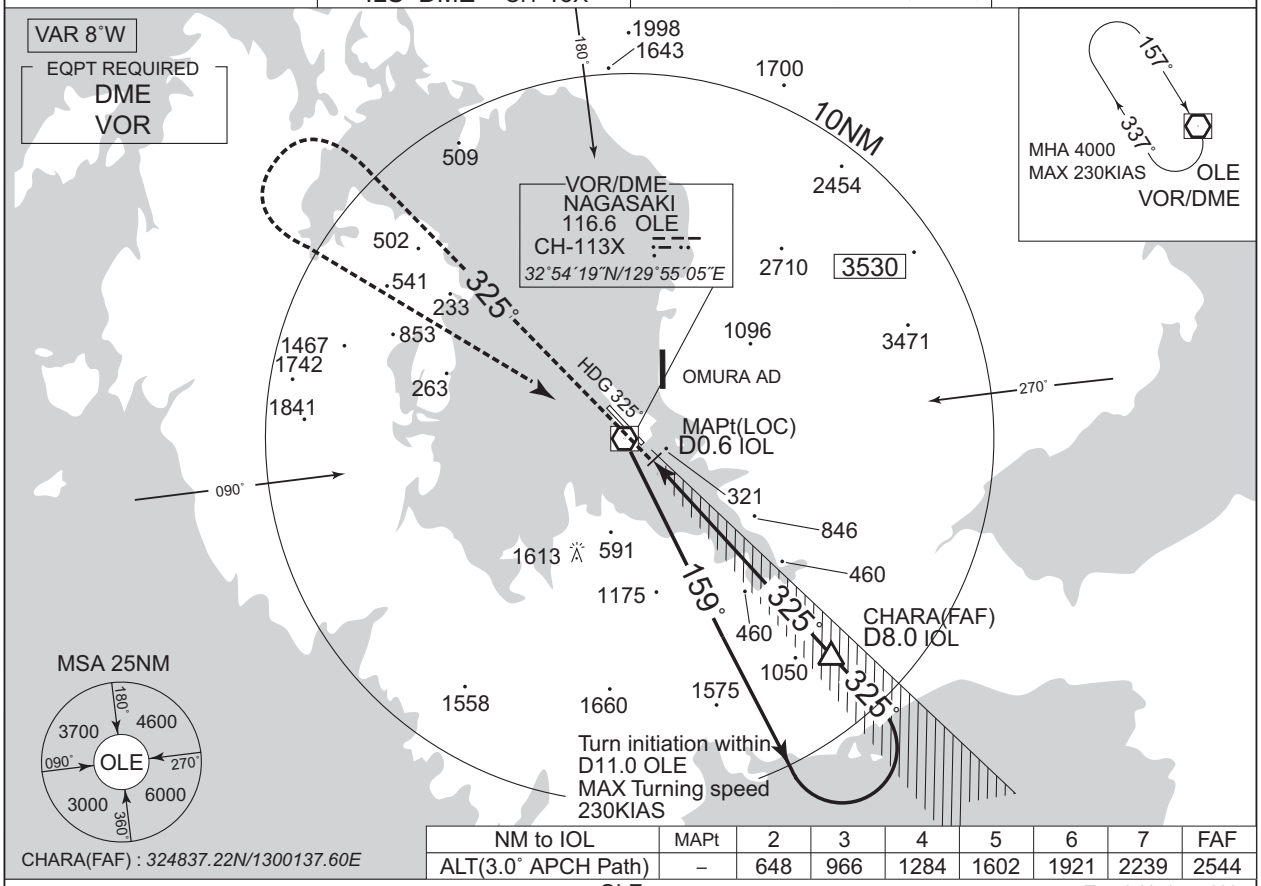
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI — ILS Y or LOC Y RWY32

NAGASAKI APP	ILS-LOC	NAGASAKI TOWER	RADAR AVBL
119.175 –121.025 261.2	110.9 IOL ILS–GP 330.8 ILS–DME CH-46X	118.5 - 126.2 122.7 - 236.8	ATIS 126.85

2200 – 2245(UTC)
1215 – 1300(UTC)
NAGASAKI RADIO
118.5
AFIS provided by
Fukuoka Airport Office

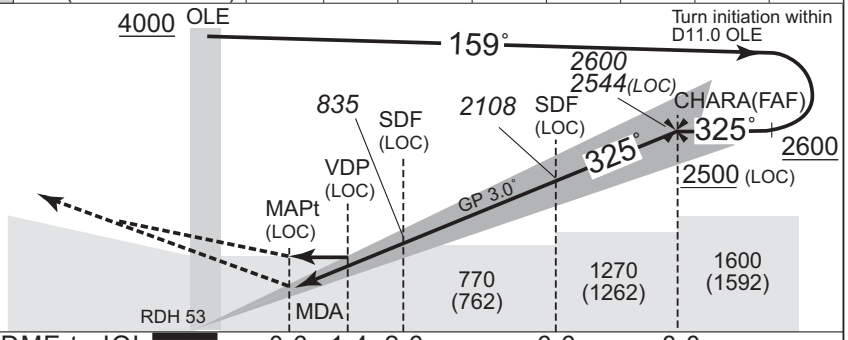


CHARA(FAF) : *324837.22N/1300137.60E*

NM to IOL	MAPt	2	3	4	5	6	7	FAF
ALT(3.0˚ APCH Path)	–	648	966	1284	1602	1921	2239	2544

MISSED APPROACH
Climb to 500FT on HDG325˚,
via OLE R325 to 3000FT, turn
left, direct to OLE VOR/DME
and hold at 4000FT.
Contact NAGASAKI APP.

Timing not authorized for defining the MAPt.



DME to IOL	0.2	0.6	1.4	2.6	6.6	8.0
NM to THR	0	0.5	1.2	2.4	6.4	7.8

MINIMA — THR elev. 15 — AD elev. 8

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	215 (200)	550	430 (422)	900	620 (612)	1600
B				1000		
C						2400
D				1400	890 (882)	3200

CHANGE : Description of VAR.

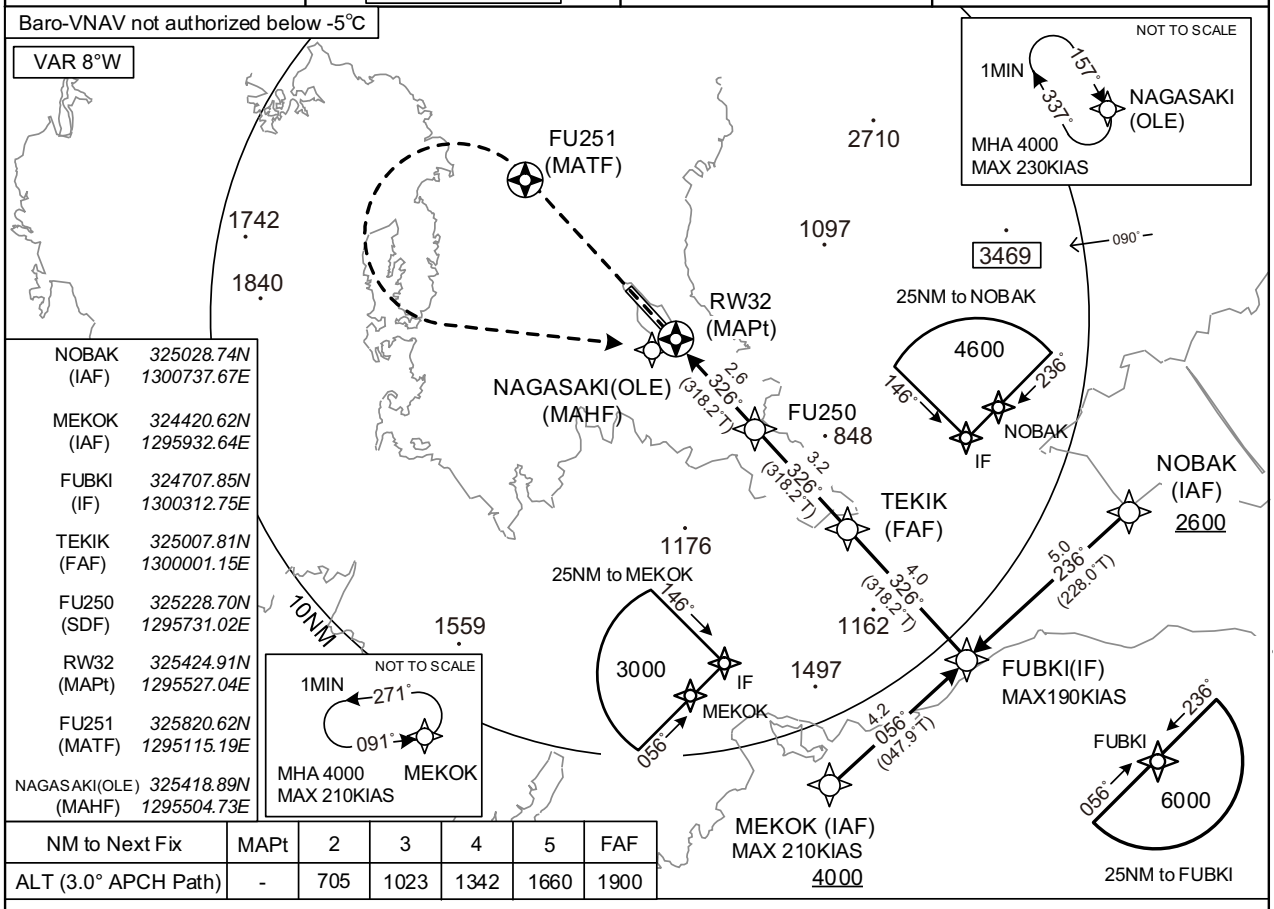
INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

RNP RWY32

NAGASAKI APP	RNP APCH	NAGASAKI TOWER	RADAR AVBL
119.175 –121.025	MSAS CH43917	118.5 - 126.2	ATIS 126.85
261.2	M32A	122.7 - 236.8	

NAGASAKI TOWER: 2200 – 2245(UTC), 1215 – 1300(UTC)
NAGASAKI RADIO 118.5
AFIS provided by Fukuoka Airport Office

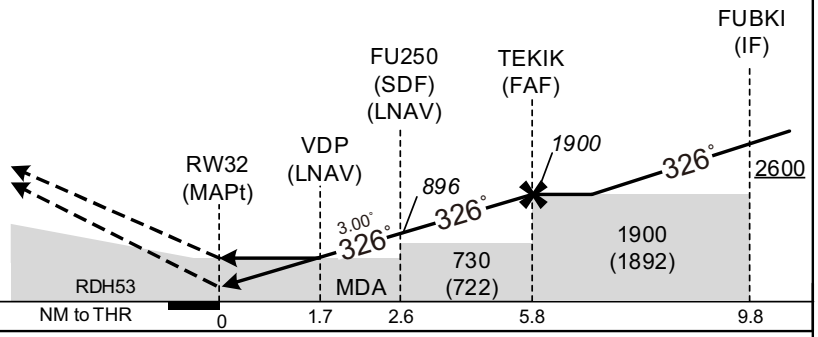


NOBAK (IAF)	*325028.74N 1300737.67E*
MEKOK (IAF)	*324420.62N 1295932.64E*
FUBKI (IF)	*324707.85N 1300312.75E*
TEKIK (FAF)	*325007.81N 1300001.15E*
FU250 (SDF)	*325228.70N 1295731.02E*
RW32 (MAPt)	*325424.91N 1295527.04E*
FU251 (MATF)	*325820.62N 1295115.19E*
NAGASAKI(OLE) (MAHF)	*325418.89N 1295504.73E*

NM to Next Fix	MAPt	2	3	4	5	FAF
ALT (3.0° APCH Path)	-	705	1023	1342	1660	1900

MISSED APPROACH

Direct to FU251, turn left direct to OLE
and hold at 4000FT.
Contact NAGASAKI APP.



Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 15		AD elev. 8					
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/ CMV	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	288(273)	800	580(565)	1000	580(572)	1000	620(612)	1600
B	297(282)			1200		1200		
C	307(292)							2400
D	317(302)	1400		1600		1600	890(882)	3200

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

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI RNP RWY32

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00370
SBAS service provider identifier	2	FPAP latitude	*325537.2480N*
Airport identifier	RJFU	FPAP longitude	*1295409.7775E*
Runway	32	Threshold crossing height	00016.2
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M32A	⊿ length offset	0000
LTP/FTP latitude	*325424.8850N*	HAL	40.0
LTP/FTP longitude	*1295527.0410E*	VAL	50.0
CRC remainder	10898D02		

Required additional data

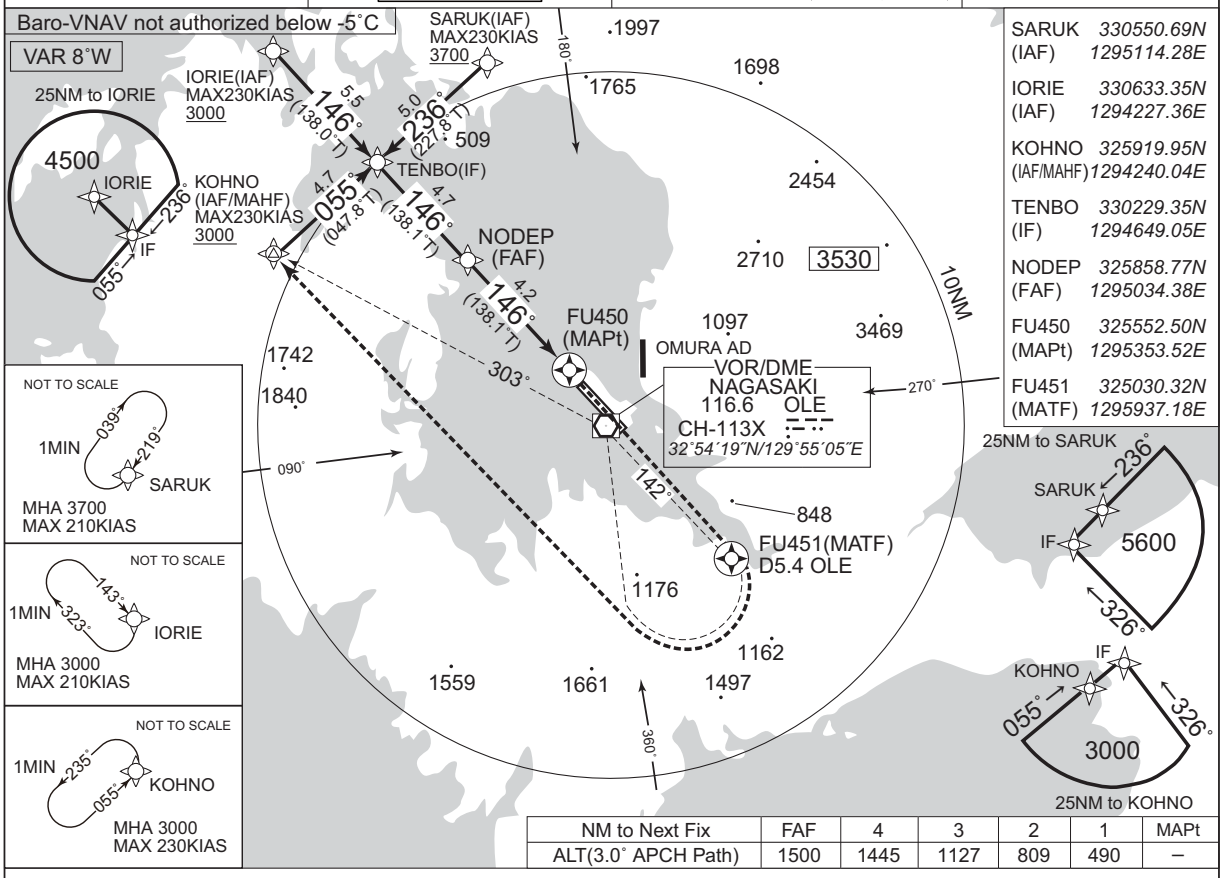
LTP/FTP orthometric height	4.8

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI — RNP RWY14

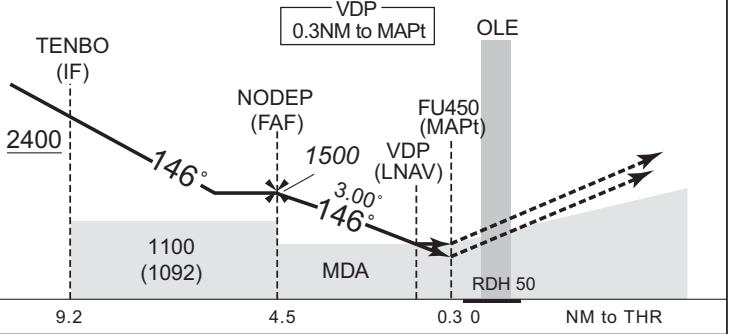
NAGASAKI APP	RNP APCH	NAGASAKI TOWER		RADAR AVBL
119.175 –121.025 261.2	MSAS CH79608 M14A	118.5 - 126.2 122.7 - 236.8	2200 – 2245(UTC) 1215 – 1300(UTC) NAGASAKI RADIO 118.5 AFIS provided by Fukuoka Airport Office	ATIS 126.85



MISSED APPROACH

Direct to FU451, turn right direct to KOHNO and hold at 3000FT.
Contact NAGASAKI APP.

(For using VOR/DME)
Climb via OLE R142 to OLE 5.4DME, turn right, direct to OLE VOR/DNE, via OLE R303 to KOHNO and hold at 3000FT.
Contact NAGASAKI APP.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 14 AD elev. 8

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	264 (250)	1000	290 (276)	1000	290 (282)	1000	620(612)	1600
B		1100		1100		1100		
C	270 (256)	1200		1200		1200		2400
D	280 (266)	1400		1400		1400	890(882)	3200

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

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI RNP RWY14

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00367
SBAS service provider identifier	2	FPAP latitude	*325424.8850N*
Airport identifier	RJFU	FPAP longitude	*1295527.0410E*
Runway	14	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M14A	⊿ length offset	0000
LTP/FTP latitude	*325537.2480N*	HAL	40.0
LTP/FTP longitude	*1295409.7775E*	VAL	50.0
CRC remainder	B756639A		

Required additional data

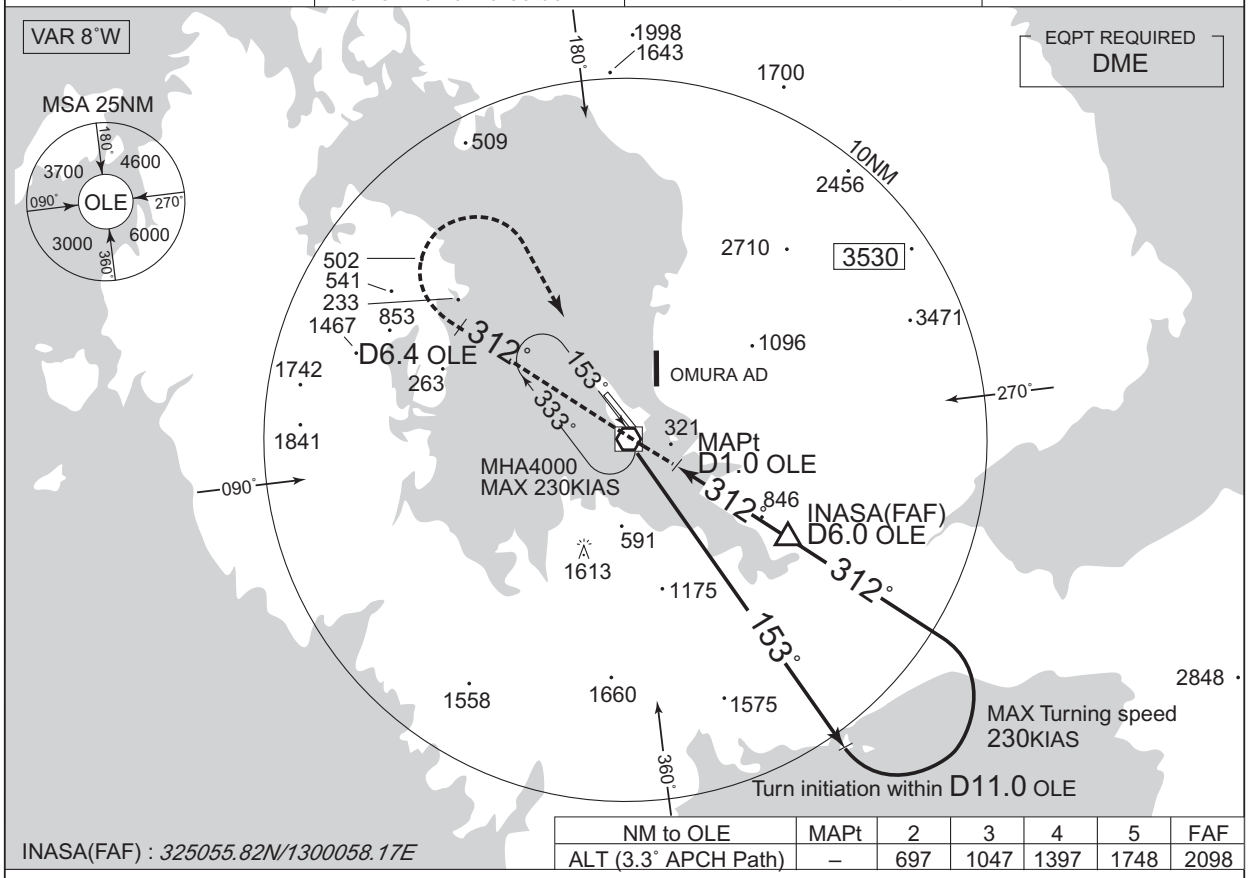
LTP/FTP orthometric height	4.5

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

RJFU / NAGASAKI — VOR RWY32

NAGASAKI APP	NAGASAKI VOR/DME	NAGASAKI TOWER		RADAR AVBL
119.175 - 121.025 261.2	116.6 OLE CH-113X *32°54′19″N/129°55′05″E*	118.5 - 126.2 122.7 - 236.8	2200 – 2245(UTC) 1215 – 1300(UTC) NAGASAKI RADIO 118.5 AFIS provided by Fukuoka Airport Office	ATIS 126.85



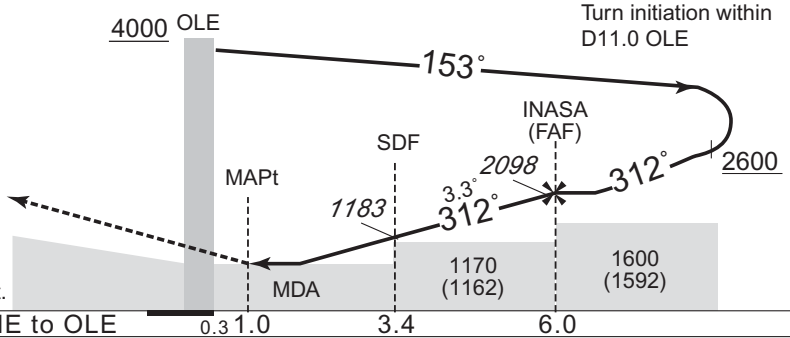
INASA(FAF) : *325055.82N/1300058.17E*

NM to OLE	MAPt	2	3	4	5	FAF
ALT (3.3° APCH Path)	–	697	1047	1397	1748	2098

MISSED APPROACH

Climb to 4000FT via OLE
R312 to OLE 6.4DME,
turn right direct to OLE
VOR/DME and hold.
Contact NAGASAKI APP.

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



DME to OLE	0.3	1.0	3.4	6.0
NM to THR	0	0.8	3.2	5.8

MINIMA — THR elev. 15 — AD elev. 8

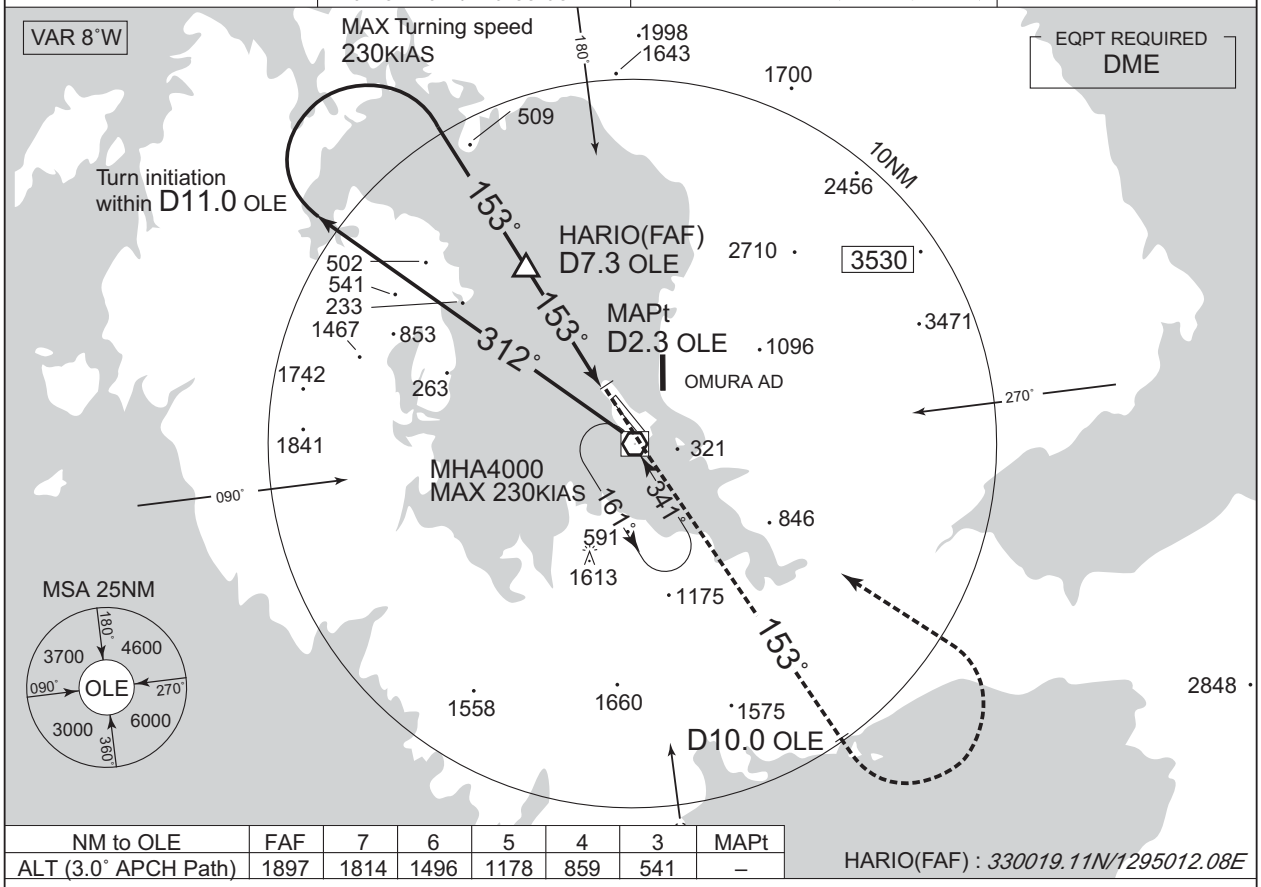
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	870 (862)	1200	870 (862)	1600
B		1400		
C				2400
D		1800	890 (882)	3200

CHANGE : MINIMA.

INSTRUMENT APPROACH CHART

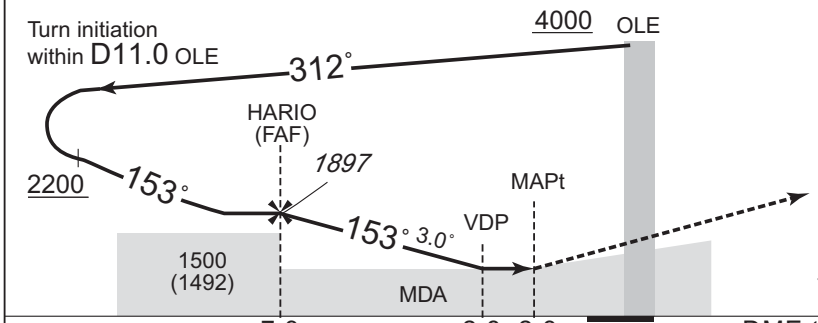
RJFU / NAGASAKI — VOR RWY14

NAGASAKI APP	NAGASAKI VOR/DME	NAGASAKI TOWER	RADAR AVBL
119.175 - 121.025 261.2	116.6 OLE CH-113X *32°54′19″N/129°55′05″E*	118.5 - 126.2 122.7 - 236.8 (2200 – 2245(UTC) 1215 – 1300(UTC) NAGASAKI RADIO 118.5 AFIS provided by Fukuoka Airport Office)	ATIS 126.85



NM to OLE	FAF	7	6	5	4	3	MAPt
ALT (3.0° APCH Path)	1897	1814	1496	1178	859	541	–

HARIO(FAF) : *330019.11N/1295012.08E*



MISSED APPROACH

Climb to 4000FT via OLE
R153 to OLE 10.0DME,
turn left, direct to OLE
VOR/DME and hold.
Contact NAGASAKI APP.

Timing not authorized for defining the MAPt.

DME to OLE

NM to THR

Missed APCH climb gradient MNM 3.0%

MINIMA — THR elev. 14 — AD elev. 8

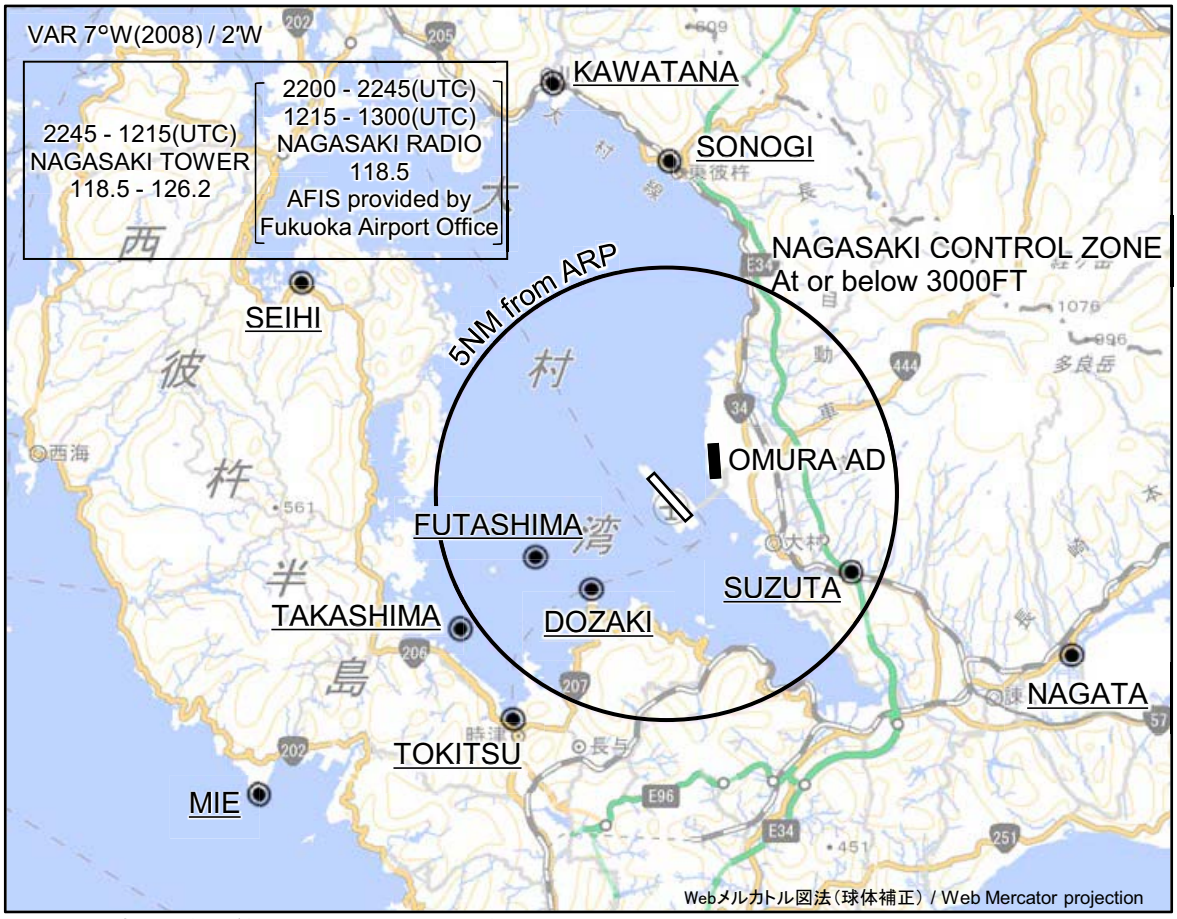
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	490 (482)	1400	620 (612)	1600
B		1500		
C		1600		2400
D		1800	890 (882)	3200

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

CHANGE : Description of VAR.

RJFU / NAGASAKI

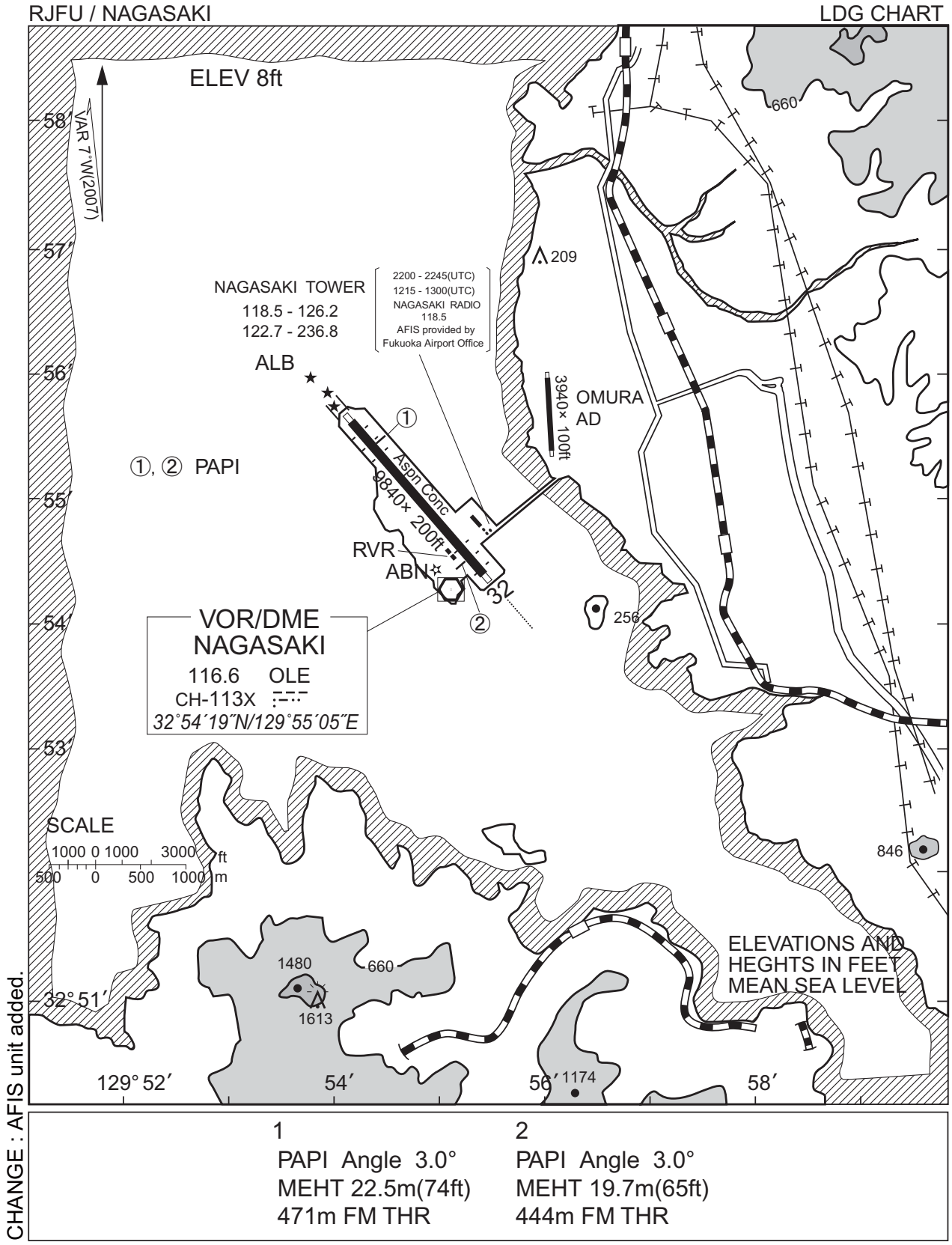
Visual REP



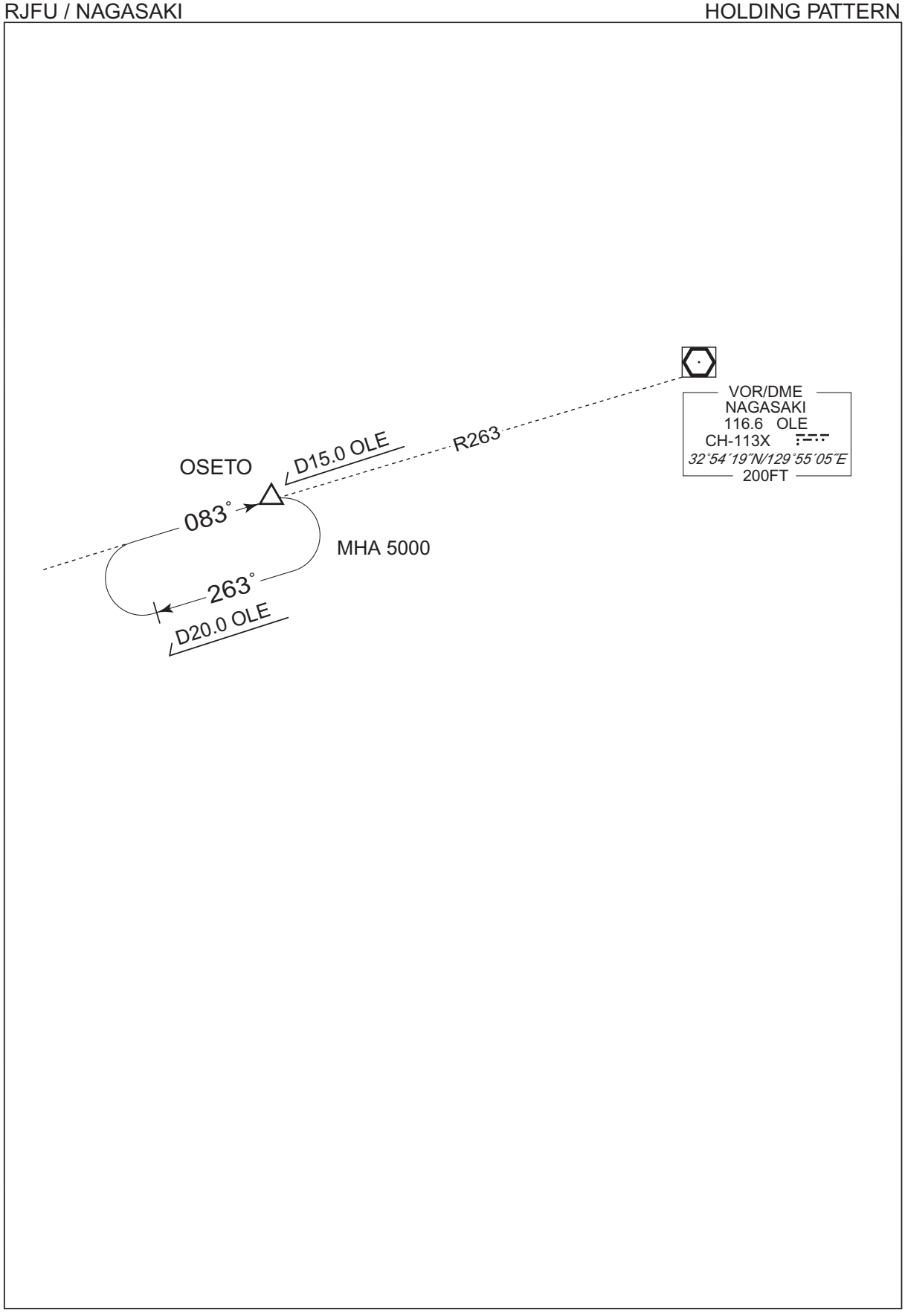
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
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

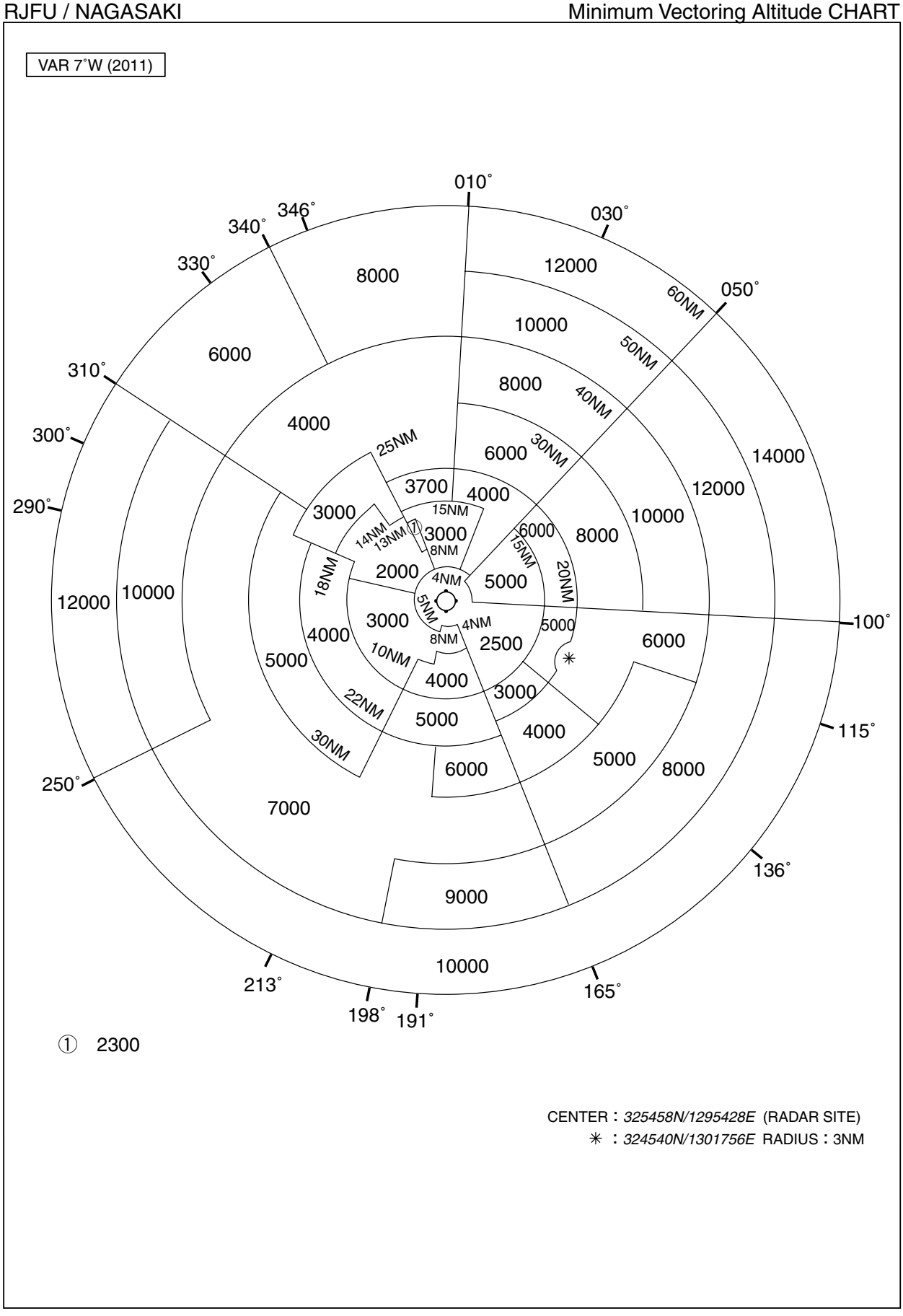

RJFU / NAGASAKI
LDG CHART
ELEV 8ft
VAR 7°W(2007)
58′
57′
56′
55′
54′
53′
32° 51′
129° 52′
54′
56′
58′
660
209
NAGASAKI TOWER
118.5 - 126.2
122.7 - 236.8
2200 - 2245(UTC)
1215 - 1300(UTC)
NAGASAKI RADIO
118.5
AFIS provided by
Fukuoka Airport Office
ALB
①, ② PAPI
①
Aspn Conc
9840× 200ft
RVR
ABN
②
32
3940× 100ft
OMURA
AD
256
VOR/DME
NAGASAKI
116.6 OLE
CH-113X
32°54′19″N/129°55′05″E
SCALE
1000 0 1000 3000 ft
500 0 500 1000 m
1480
660
1613
1174
846
ELEVATIONS AND
HEGHTS IN FEET
MEAN SEA LEVEL
CHANGE : AFIS unit added.
1
PAPI Angle 3.0°
MEHT 22.5m(74ft)
471m FM THR
2
PAPI Angle 3.0°
MEHT 19.7m(65ft)
444m FM THR

RJFU / NAGASAKI HOLDING PATTERN



CHANGE : HLDG course.

RJFU / NAGASAKI Minimum Vectoring Altitude CHART



① 2300