

AD CHART

LONGITUDINAL PROFILE OF RWY

Distance (m)	Distance (ft)	Elevation (m)	Elevation (ft)	Slope (%)
0	233ft	68.1	223ft	-
240	230ft	70.0	230ft	0.8%
340	232ft	70.6	232ft	0.68%
560	237ft	72.4	237ft	0.8%
660	240ft	73.3	240ft	0.91%
760	243ft	74.2	243ft	0.85%
1280	260ft	79.4	260ft	1.0%
1590	268ft	81.7	268ft	0.75%
1700	270ft	82.3	270ft	0.56%
1900	273ft	83.2	273ft	0.5%
2000	273ft	83.2	273ft	0.1%

RWY 03

RWY 21

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STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

SID

NAGASAKI FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 1300FT, turn right HDG128°...
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG038°...
...to intercept and proceed via FUE R083/OLE R263 to OLE VOR/DME.

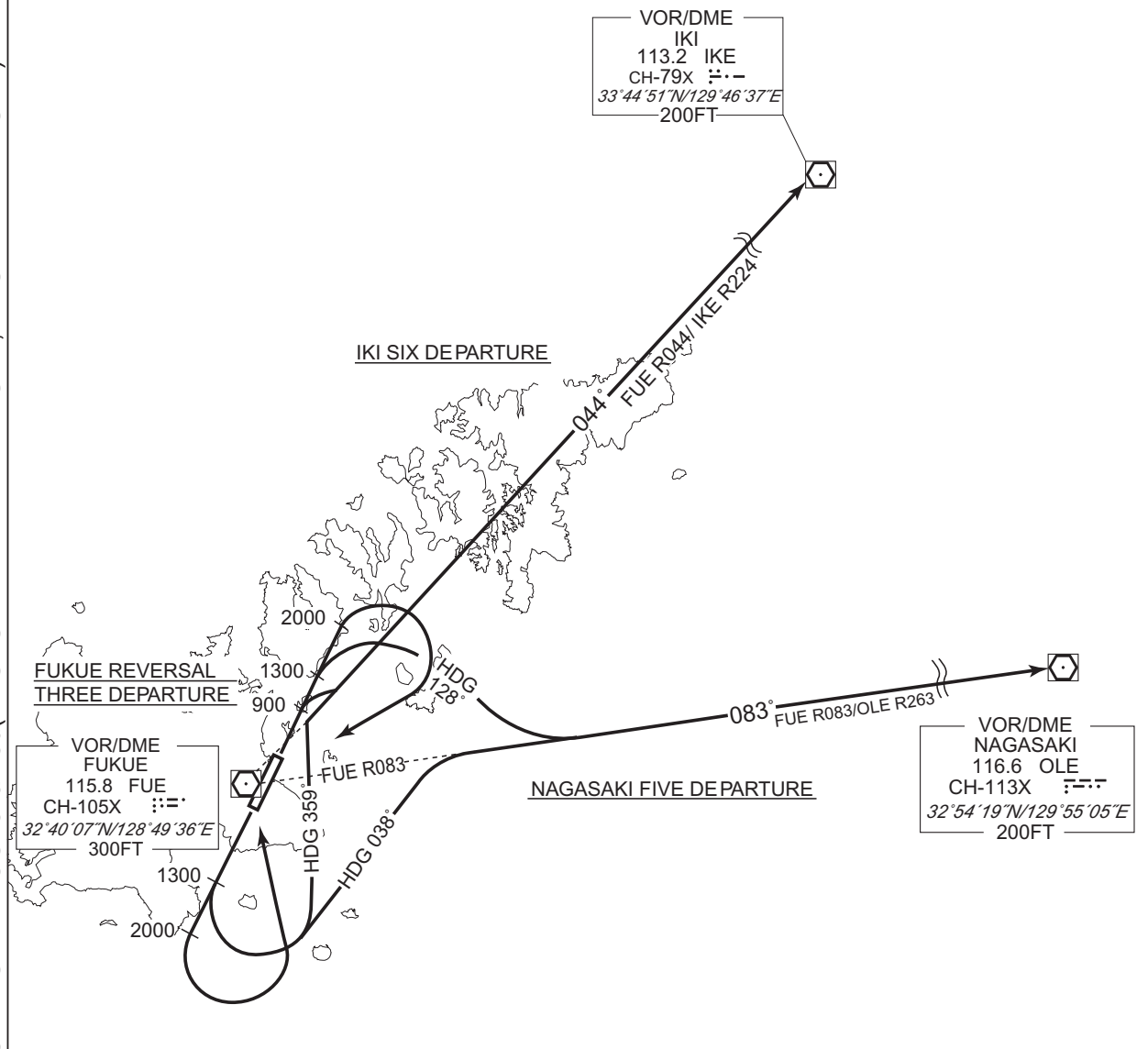
IKI SIX DEPARTURE

RWY 03 : Climb RWY HDG to 900FT, turn right...
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG359°...
...to intercept and proceed via FUE R044/IKE R224 to IKE VOR/DME

FUKUE REVERSAL THREE DEPARTURE

RWY 03 : Climb RWY HDG to 2000FT, turn right...
RWY 21 : Climb RWY HDG to 2000FT, turn left...
...direct to FUE VOR/DME.

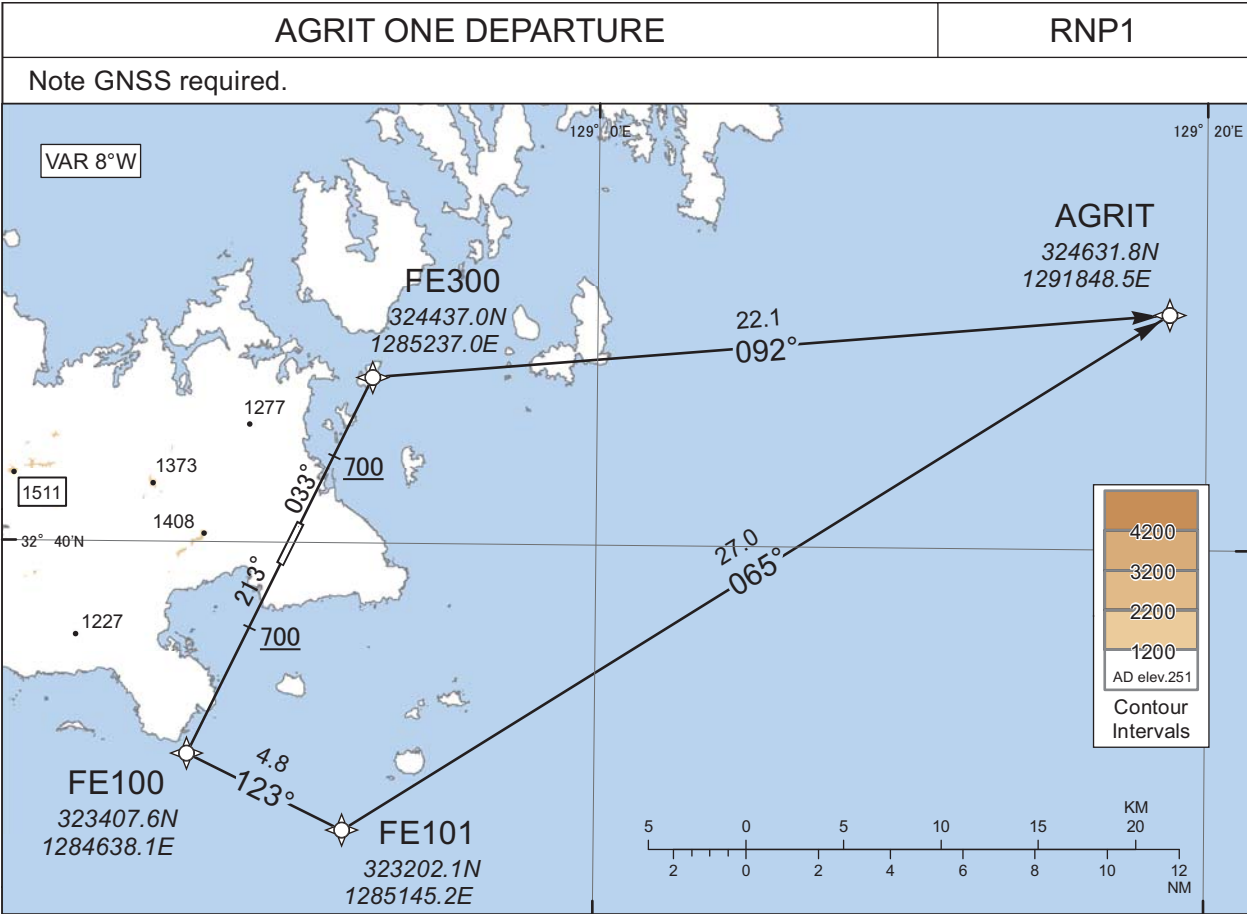
CHANGE : PROC renamed(NAGASAKI FIVE DEPARTURE, IKI SIX DEPARTURE). PROC course.



STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID



RWY03 : Climb on HDG033° at or above 700FT, direct to FE300, to AGRIT.
RWY21 : Climb on HDG213° at or above 700FT, direct to FE100, to FE101, to AGRIT.

RWY03

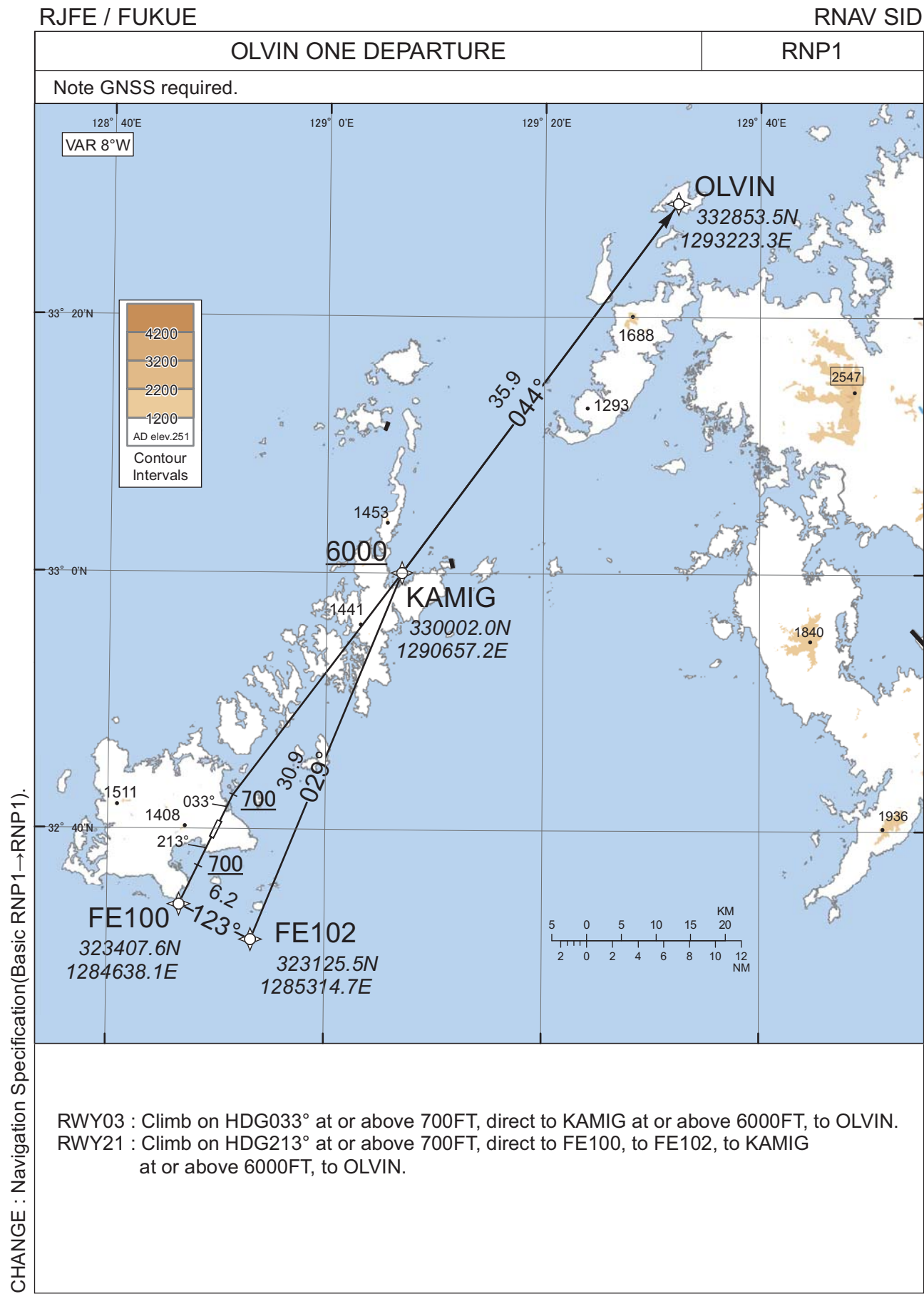
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE300	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	AGRIT	-	092 (084.9)	-7.5	22.1	-	-	-	-	RNP1

RWY21

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	-	-	213 (205.7)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	FE101	-	123 (115.8)	-7.5	4.8	-	-	-	-	RNP1
004	TF	AGRIT	-	065 (057.4)	-7.5	27.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1→RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT



Civil Aviation Bureau,Japan (EFF:21 MAR 2024)

22/2/24

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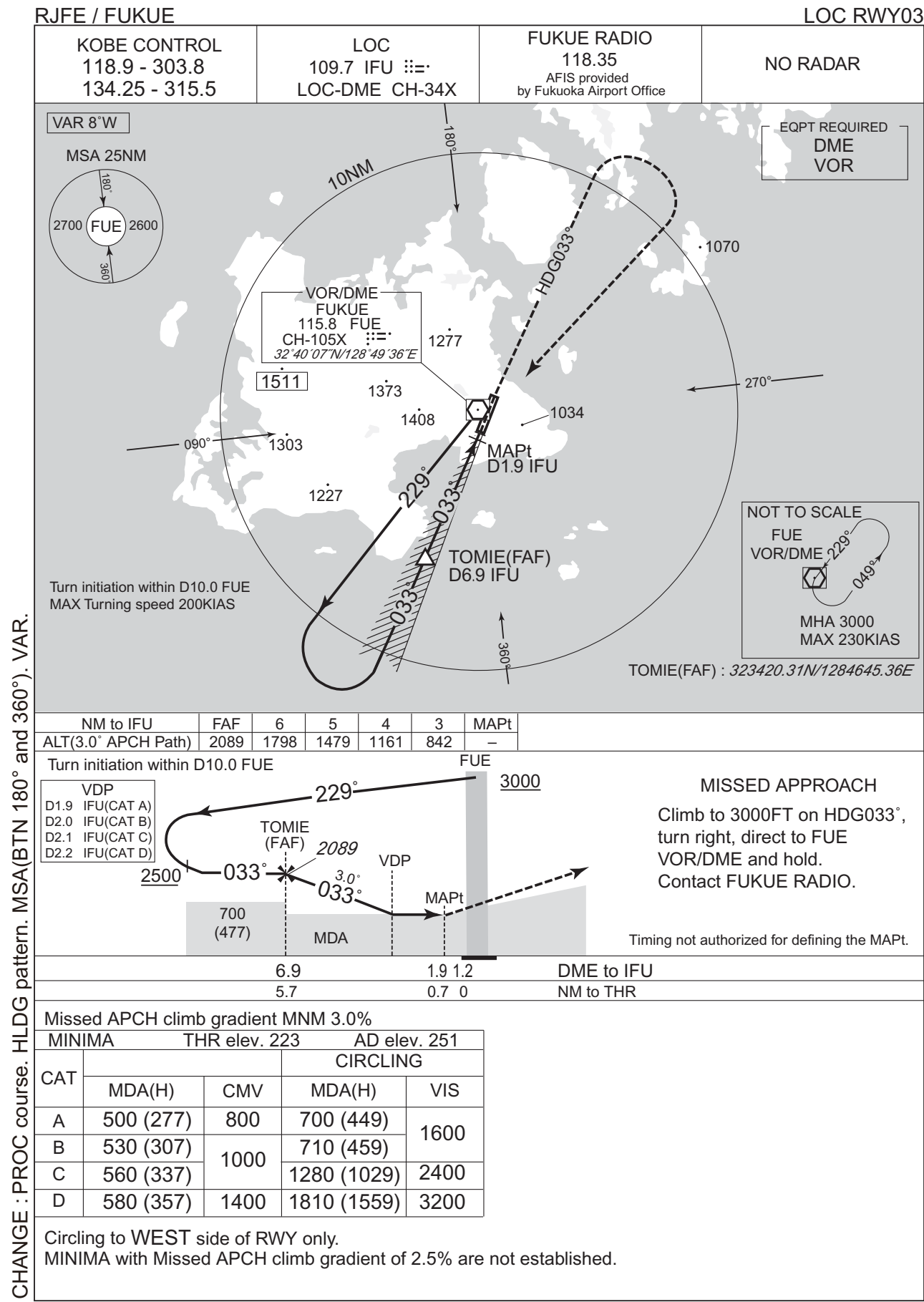
OLVIN ONE DEPARTURE

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	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	KAMIG	-	-	-7.5	-	-	+6000	-	-	RNP1
003	TF	OLVIN	-	044 (036.3)	-7.5	35.9	-	-	-	-	RNP1

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	-	-	213 (205.7)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	FE102	-	123 (115.8)	-7.5	6.2	-	-	-	-	RNP1
004	TF	KAMIG	-	029 (021.9)	-7.5	30.9	-	+6000	-	-	RNP1
005	TF	OLVIN	-	044 (036.3)	-7.5	35.9	-	-	-	-	RNP1

Civil Aviation Bureau, Japan (EFF:21 MAR 2024)

INSTRUMENT APPROACH CHART



CHANGE : PROC course. HLDG pattern. MSA(BTN 180° and 360°). VAR.

10NM

180°

090°

270°

360°

HDG033°

229°

033°

033°

049°

1277

1373

1408

1034

1227

1303

1511

1070

VOR/DME
FUKUE
115.8 FUE
CH-105X ::=
32°40'07"N/128°49'36"E

MAPt
D1.9 IFU

TOMIE(FAF)
D6.9 IFU

VAR 8°W

MSA 25NM

EQPT REQUIRED
DME
VOR

NOT TO SCALE
FUE
VOR/DME
MHA 3000
MAX 230KIAS

Turn initiation within D10.0 FUE
MAX Turning speed 200KIAS

TOMIE(FAF) : 323420.31N/1284645.36E

NM to IFU

FAF

6

5

4

3

MAPt

ALT(3.0° APCH Path)

2089

1798

1479

1161

842

-

Turn initiation within D10.0 FUE

FUE

3000

2500

700
(477)

MDA

MAPt

Timing not authorized for defining the MAPt.

DME to IFU

NM to THR

Missed APCH climb gradient MNM 3.0%

MINIMA

THR elev. 223

AD elev. 251

CIRCLING

CAT

MDA(H)

CMV

MDA(H)

VIS

A

500 (277)

800

700 (449)

1600

B

530 (307)

1000

710 (459)

2400

C

560 (337)

1280 (1029)

3200

D

580 (357)

1400

1810 (1559)

Circling to WEST side of RWY only.

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

RJFE / FUKUE

KOBE CONTROL
118.9 - 303.8
134.25 - 315.5

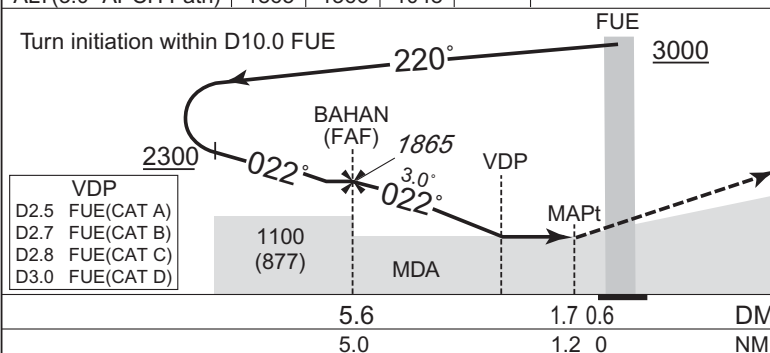
FUKUE VOR/DME
115.8 FUE
CH-105X ::=
32°40'07"N/128°49'36"E

FUKUE RADIO
118.35
AFIS provided
by Fukuoka Airport Office

NO RADAR



NM to FUE	FAF	5	4	MAPt
ALT(3.0° APCH Path)	1865	1366	1048	–



MISSED APPROACH
Climb to 3000FT via FUE R022,
turn right, direct to FUE VOR/DME
and hold.
Contact FUKUE RADIO.

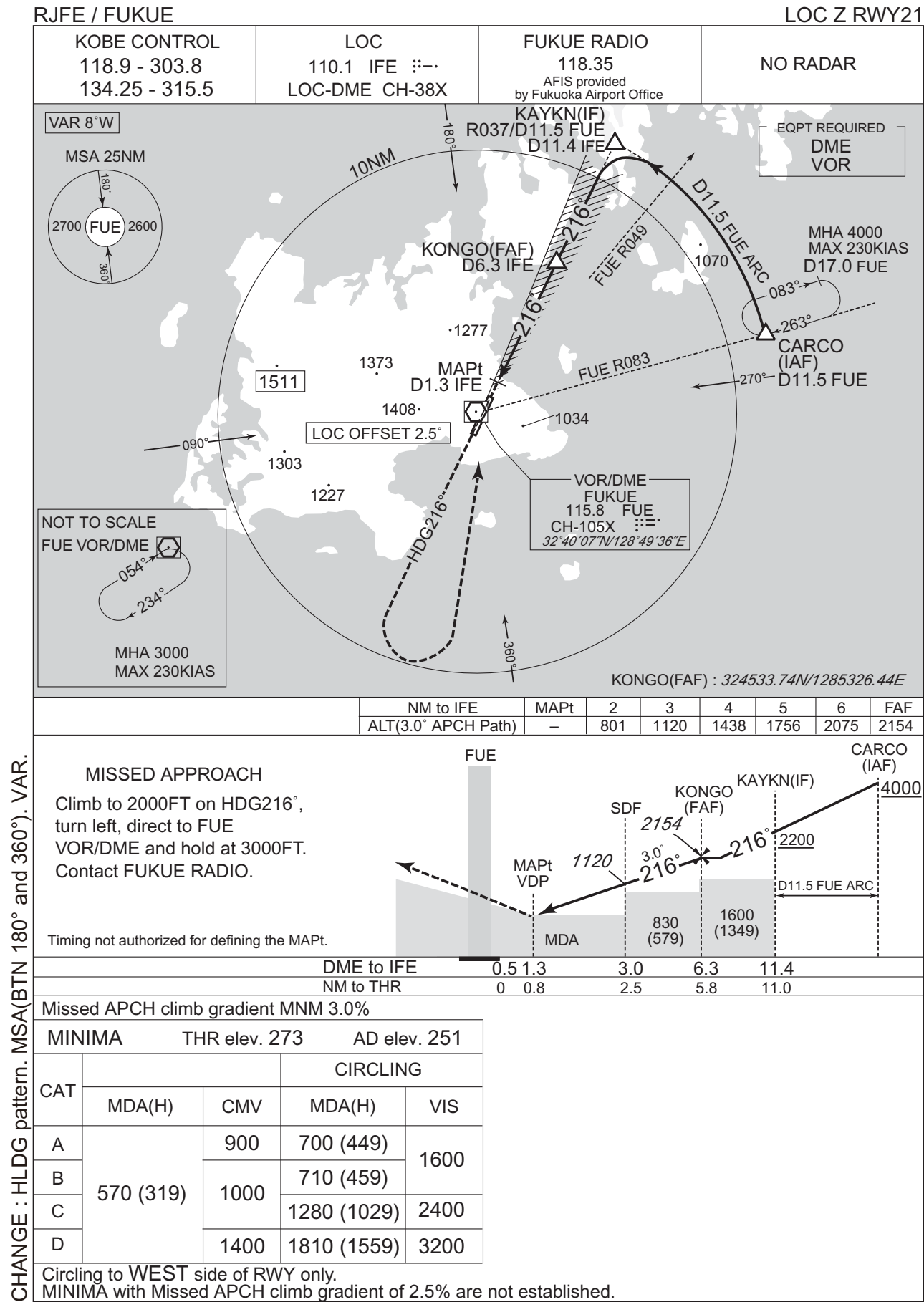
Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%				
MINIMA		THR elev. 223	AD elev. 251	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	880 (657)	1200	880 (629)	1600
B	920 (697)	1400	920 (669)	
C	970 (747)		1280 (1029)	
D	1010 (787)	1800	1810 (1559)	3200

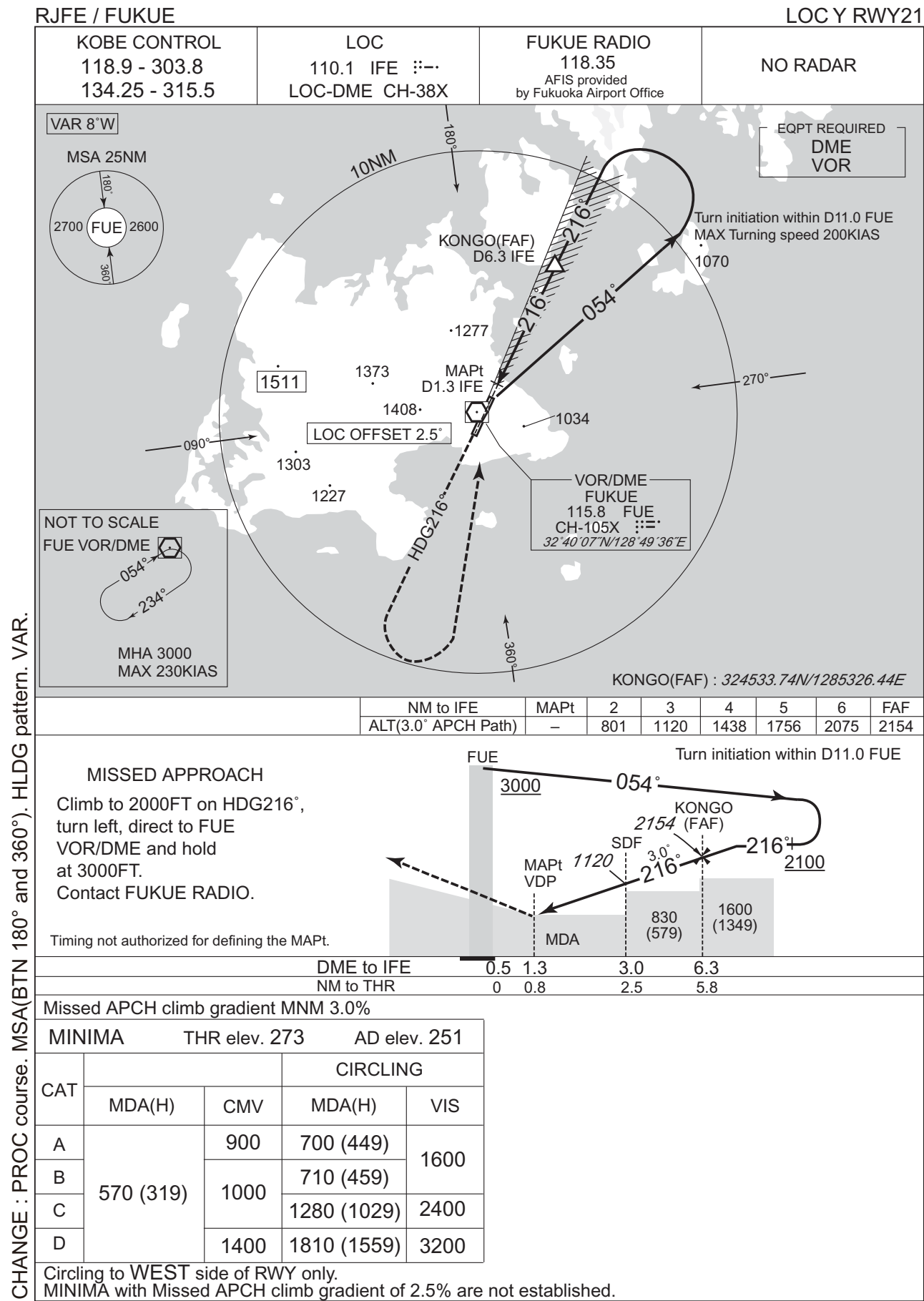
Circling to WEST side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : PROC course. HLDG pattern. Missed APCH course. MSA(BTN 180° and 360°). VAR.

INSTRUMENT APPROACH CHART

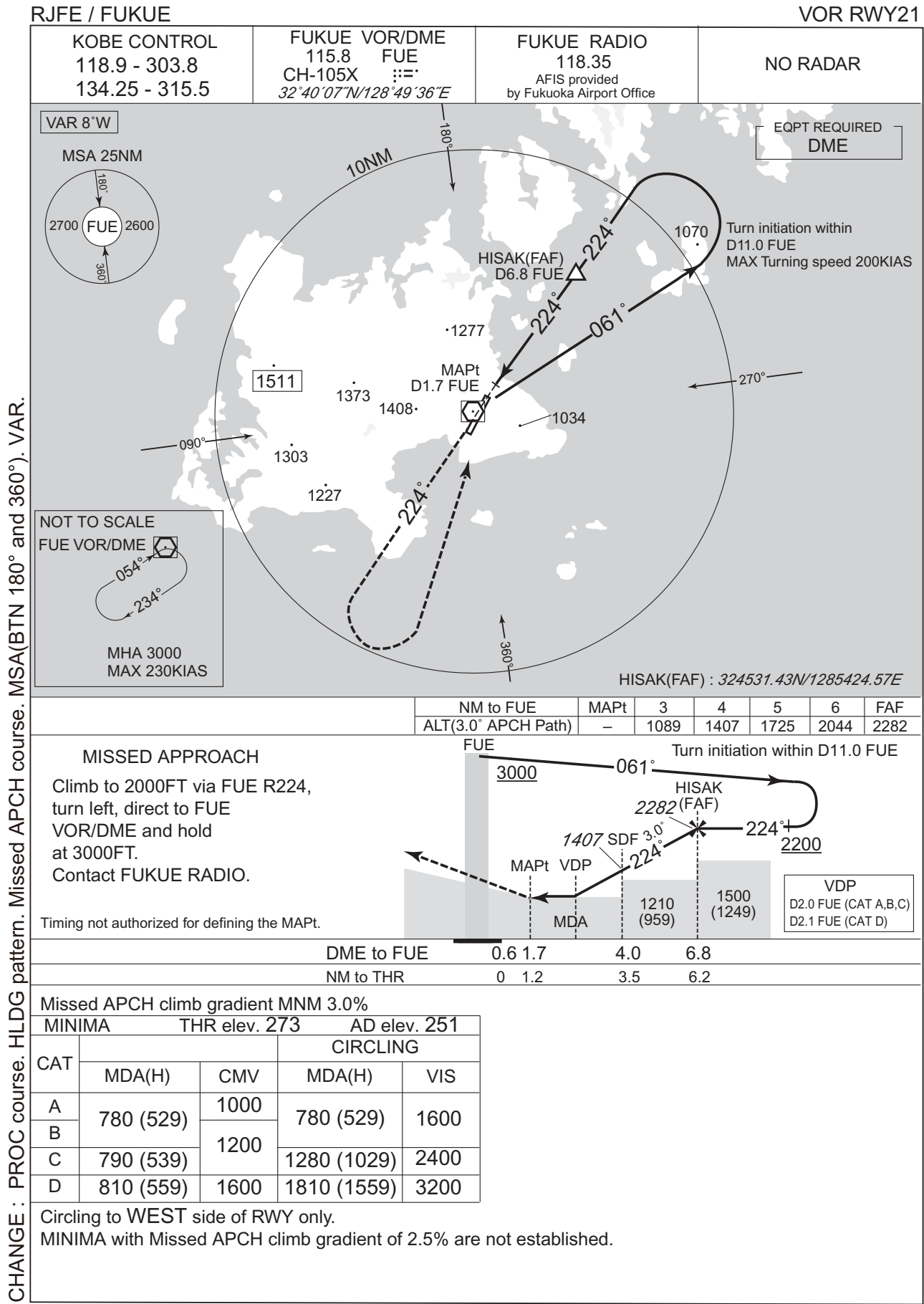


INSTRUMENT APPROACH CHART



CHANGE : PROC course. MSA(BTN 180° and 360°). HLDG pattern. VAR.

INSTRUMENT APPROACH CHART



CHANGE : PROC course. HLDG pattern. Missed APCH course. MSA(BTN 180° and 360°). VAR.

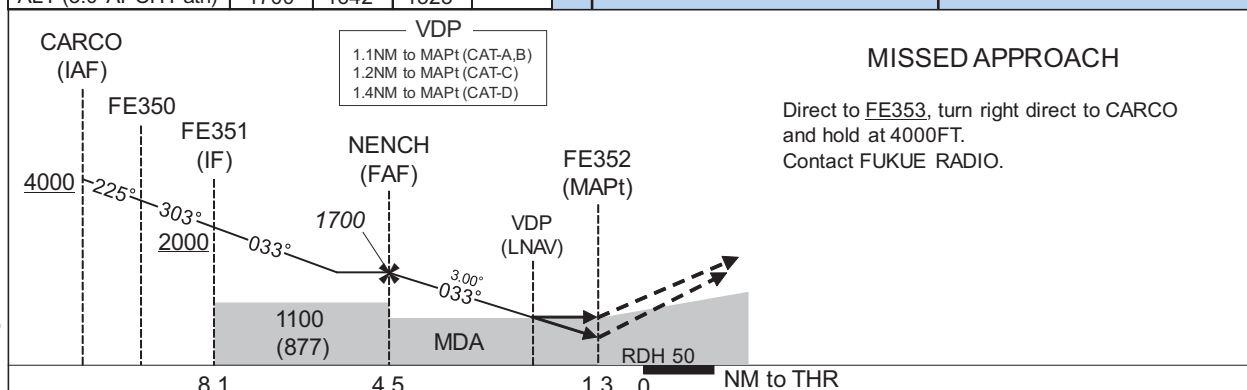
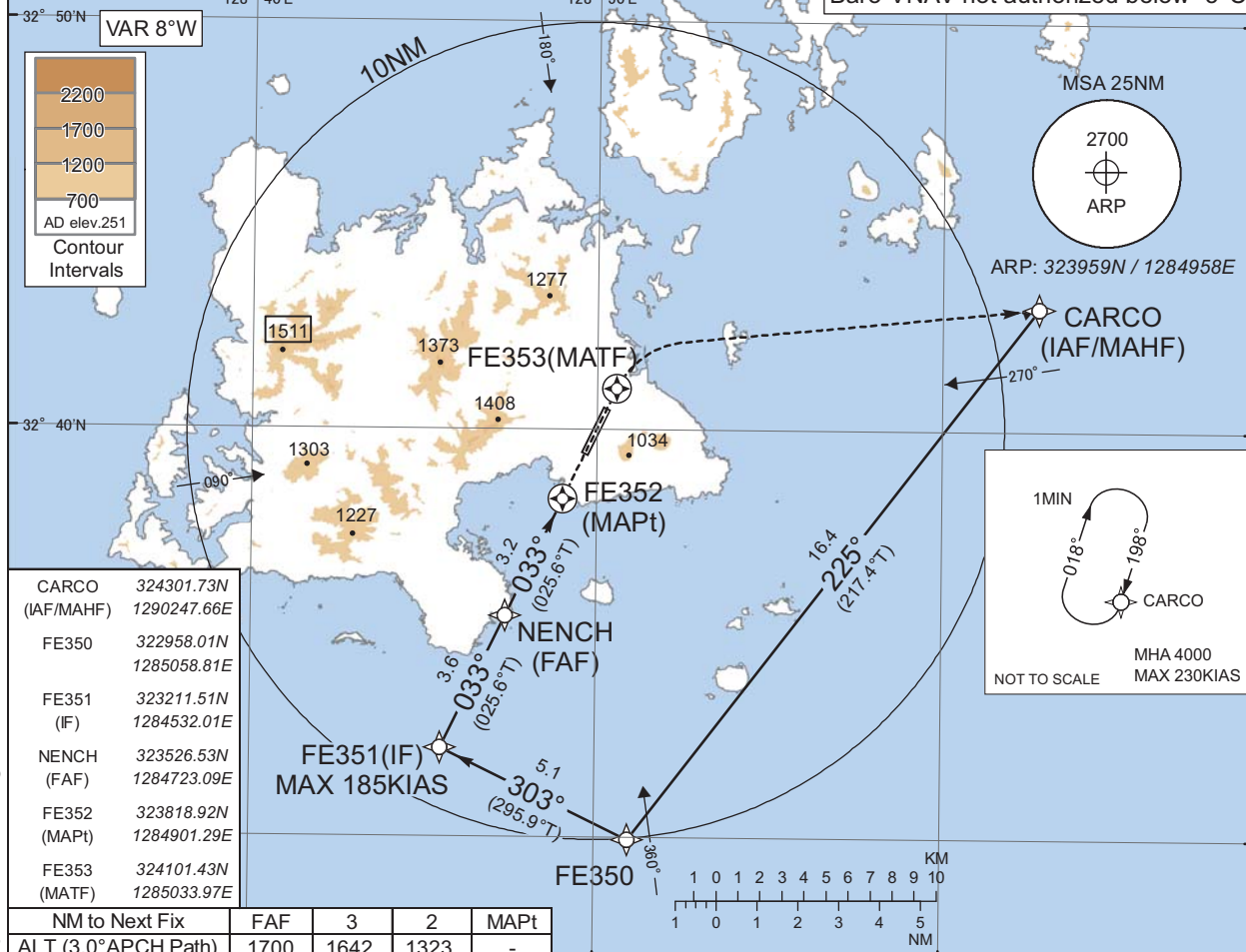
INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

KOBE CONTROL 118.9 - 303.8 134.25 - 315.5	RNP APCH MSAS CH88033 M03A	FUKUE RADIO 118.35 AFIS provided by Fukuoka Airport Office	NO RADAR
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Baro-VNAV not authorized below -5°C



Missed APCH climb gradient MNM 5.0%

CAT	THR elev. 223		AD elev. 251		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	611(388)	900	1010(787)	1200	1010(787)	1200	1010(759)	1600
B	621(398)	1000	1050(827)	1400	1050(827)	1400	1280(1029)	2400
C	631(408)	1400	1090(867)	1800	1090(867)	1800	1810(1559)	3200
D	641(418)							

Circling to WEST side of RWY only.

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

CHANGE : Missed APCH for using VOR/DME abolished. HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

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RNP RWY03

FAS DATA BLOCK

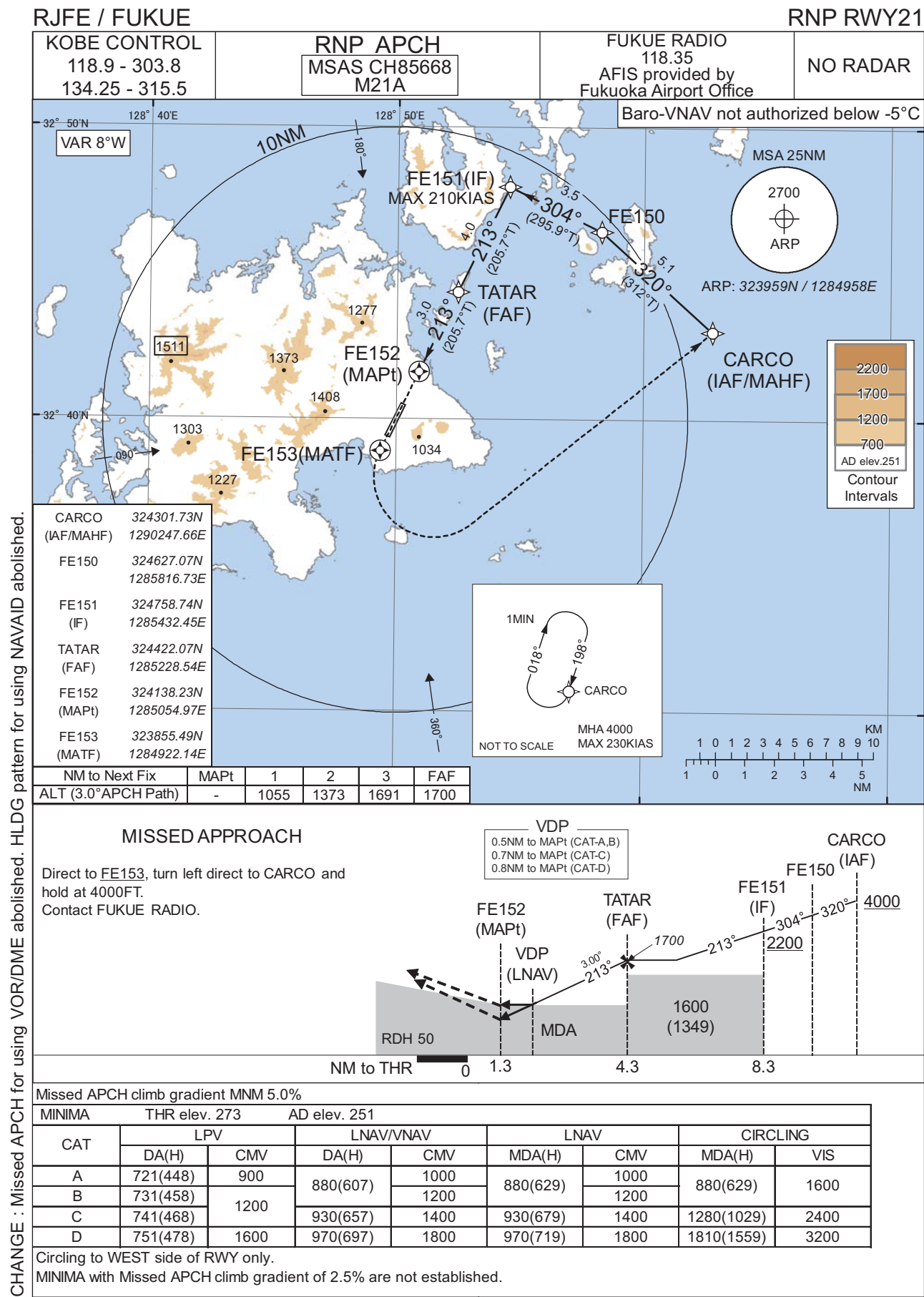
Operation type	0	LTP/FTP ellipsoidal height	+00987
SBAS service provider identifier	2	FPAP latitude	324027.7825N
Airport identifier	RJFE	FPAP longitude	1285014.8040E
Runway	03	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M03A	∠ length offset	0000
LTP/FTP latitude	323929.3105N	HAL	40.0
LTP/FTP longitude	1284941.4435E	VAL	50.0
CRC remainder	E0818BF5		

Required additional data

LTP/FTP orthometric height	67.7
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART



CHANGE : Missed APCH for using VOR/DME abolished. HLDG pattern for using NAVAID abolished.

INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY21

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01140
SBAS service provider identifier	2	FPAP latitude	323929.3105N
Airport identifier	RJFE	FPAP longitude	1284941.4435E
Runway	21	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	M21A	∠ length offset	0000
LTP/FTP latitude	324027.7825N	HAL	40.0
LTP/FTP longitude	1285014.8040E	VAL	50.0
CRC remainder	7B7068FB		

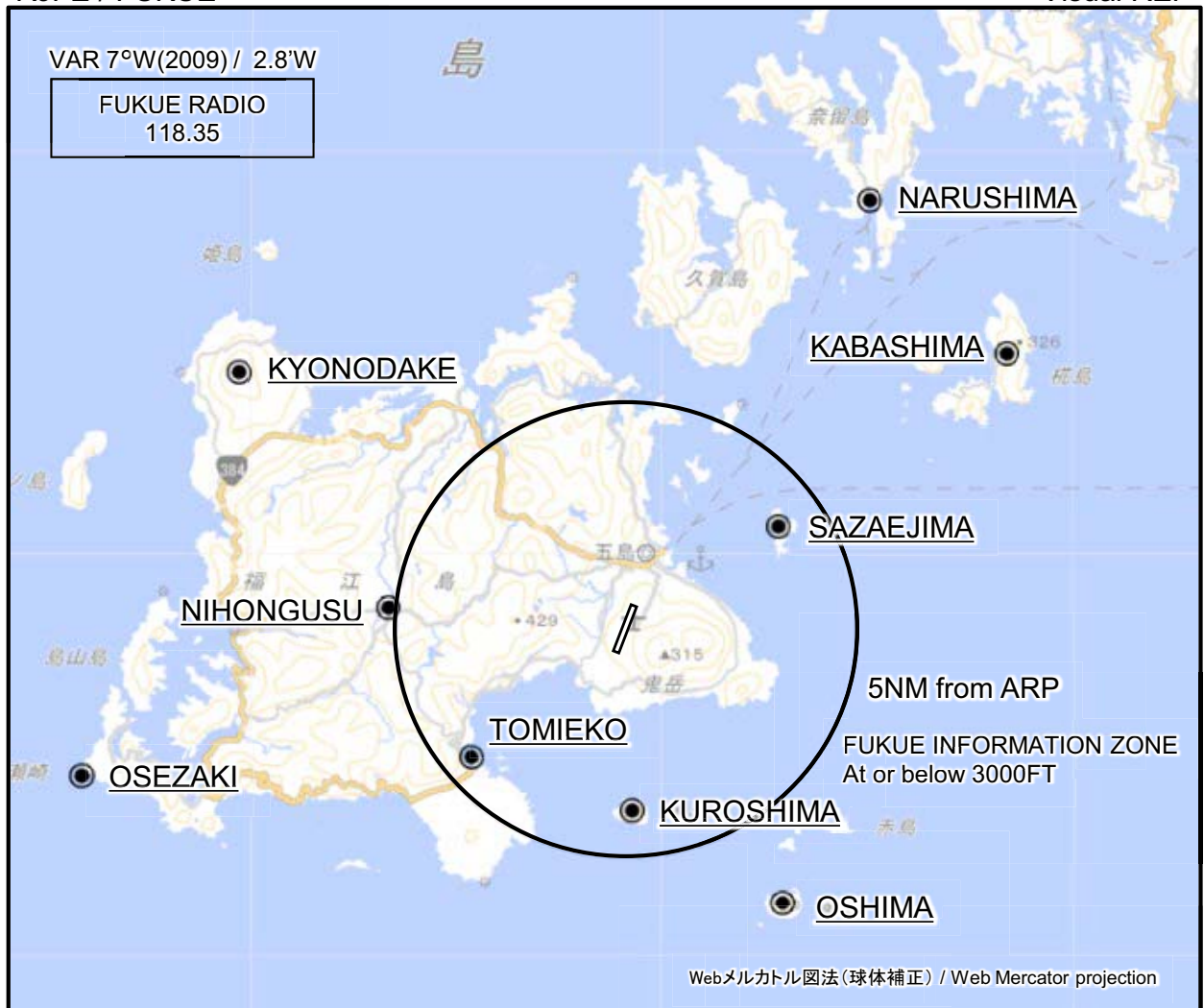
Required additional data

LTP/FTP orthometric height	82.9
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJFE / FUKUE

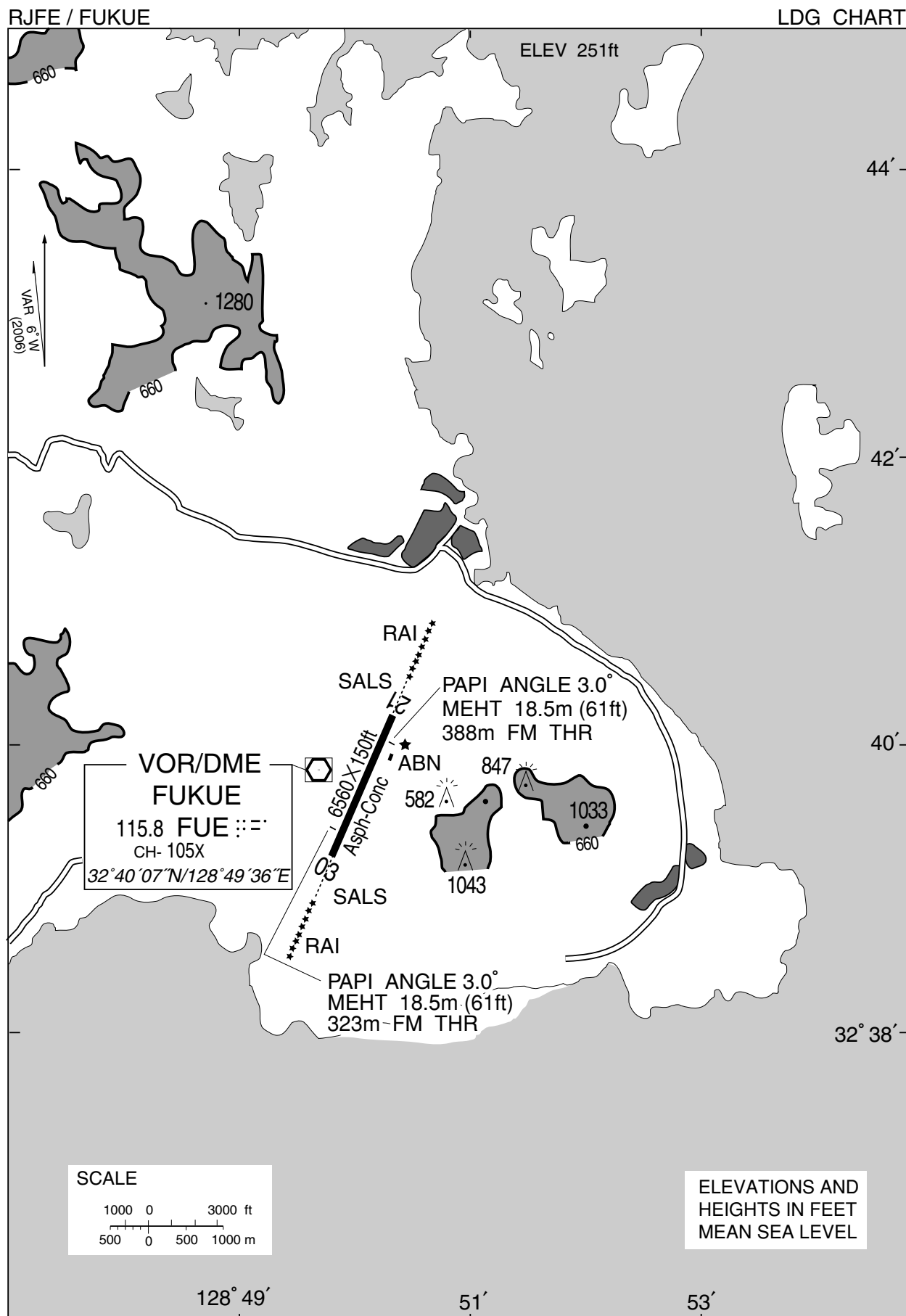
Visual REP



※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 : Secondary FREQ abolished.

Call sign	BRG / DIST from ARP	Remarks
奈留島 Narushima	029°T / 10.8NM	浦港 Harbor
枇島 Kabashima	053°T / 10.2NM	島 Island
京ノ岳 Kyonodake	304°T / 10.1NM	レーダーサイト Radar site
蝶螺島 Sazaejima	055°T / 4.0NM	島 Island
二本楠 Nihongusu	275°T / 5.2NM	十字路 Intersection
富江港 Tomieko	230°T / 4.4NM	港 Harbor
大瀬崎 Osezaki	255°T / 12.2NM	灯台 Lighthouse
黒島 Kuroshima	179°T / 4.0NM	島 Island
黄島 Oshima	151°T / 6.9NM	島 Island



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Minimum Vectoring Altitude CHART

CHANGE : Shape of segment.



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