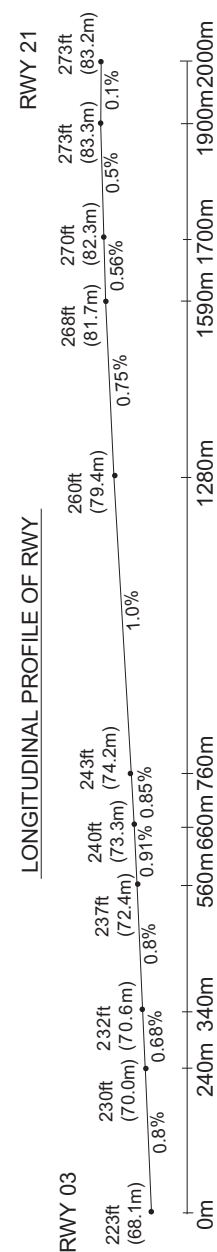
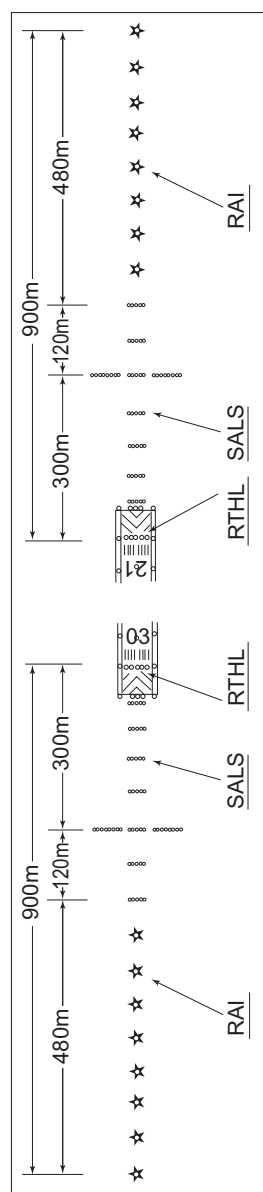


## RJFE / FUKUE

VAR 7°W(2009)  
Annual change 2.8'W

## AD CHART

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STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

SID

NAGASAKI FOUR DEPARTURE

RWY 03 : Climb RWY HDG to 1300FT, turn right HDG127° ...  
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG037° ...  
...to intercept and proceed via FUE R082/OLE R263 to OLE VOR/DME.

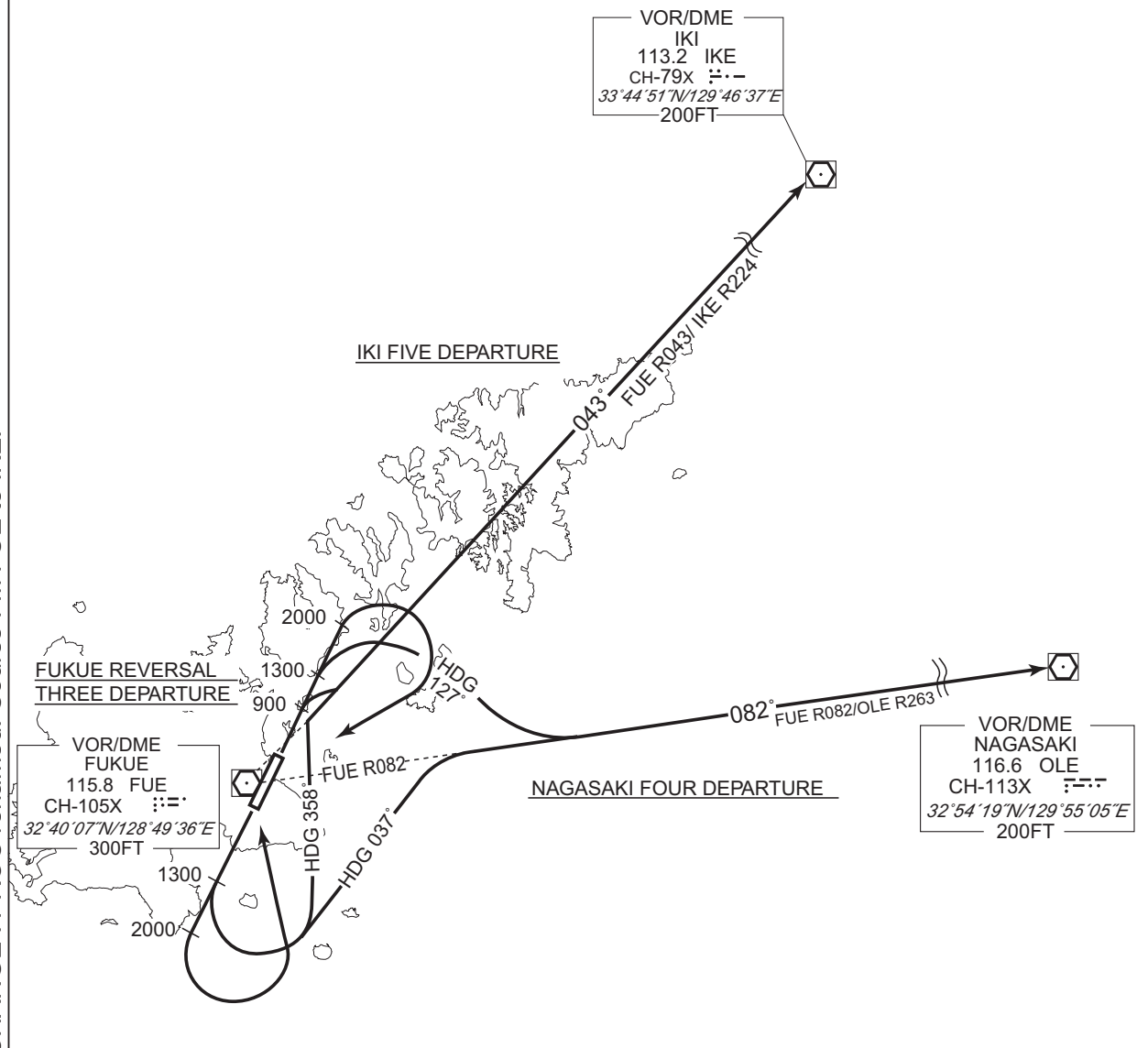
IKI FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 900FT, turn right ...  
RWY 21 : Climb RWY HDG to 1300FT, turn left HDG358° ...  
...to intercept and proceed via FUE R043/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.

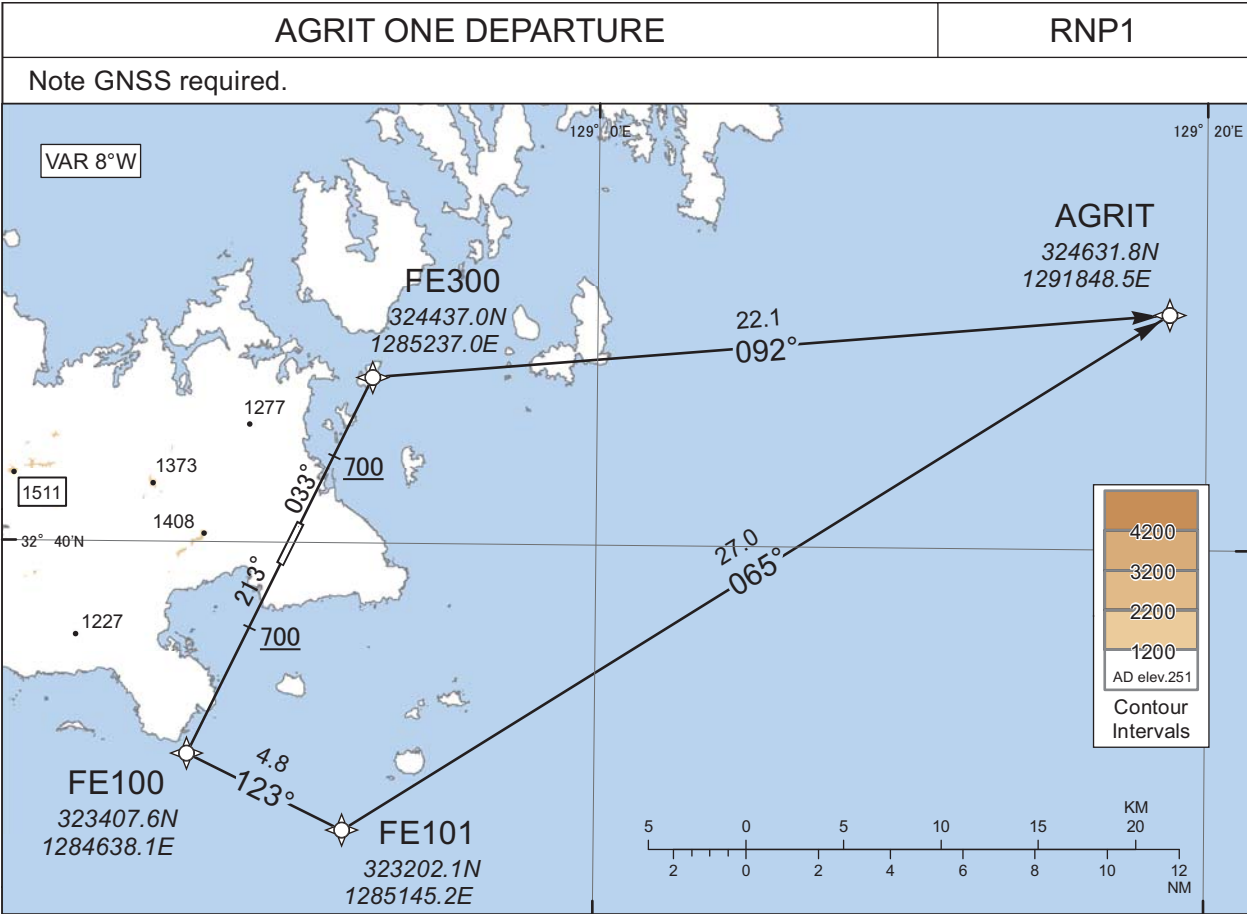
CHANGE : PROC renamed. Course FM FUE to IKE.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

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.

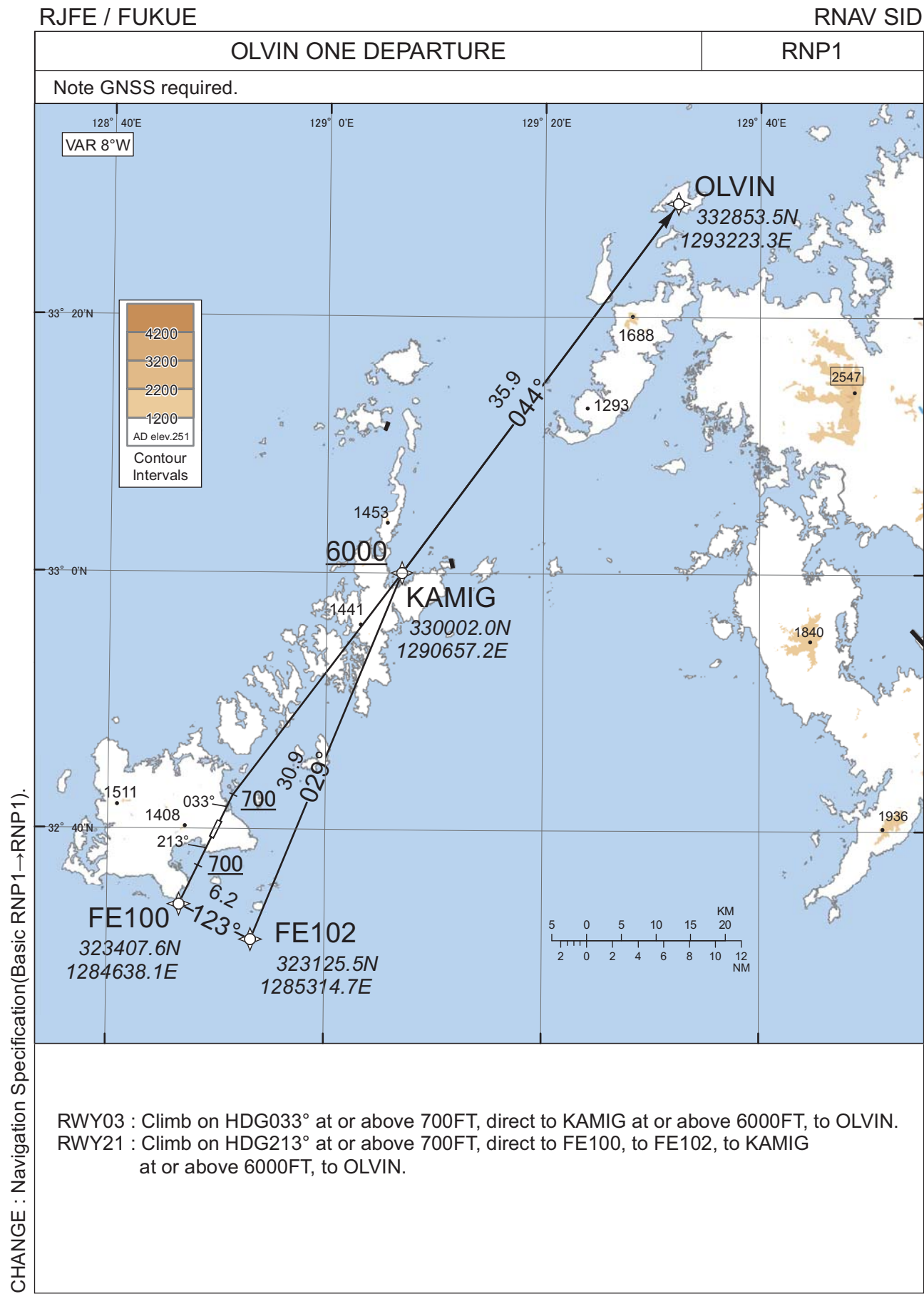
RWY03

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

STANDARD DEPARTURE CHART - INSTRUMENT



128° 40'E

129° 0'E

129° 20'E

129° 40'E

33° 20'N

33° 0'N

32° 40'N

VAR 8°W

4200

3200

2200

1200

AD elev.251

Contour Intervals

1511

1408

033°

213°

700

6.2

123°

FE100

323407.6N

1284638.1E

700

30.9

029°

FE102

323125.5N

1285314.7E

1441

1453

6000

KAMIG

330002.0N

1290657.2E

35.9

044°

OLVIN

332853.5N

1293223.3E

1688

1293

2547

1840

1936

5 0 5 10 15 20

2 0 2 4 6 8 10 12

KM

NM

## RJFE / FUKUE

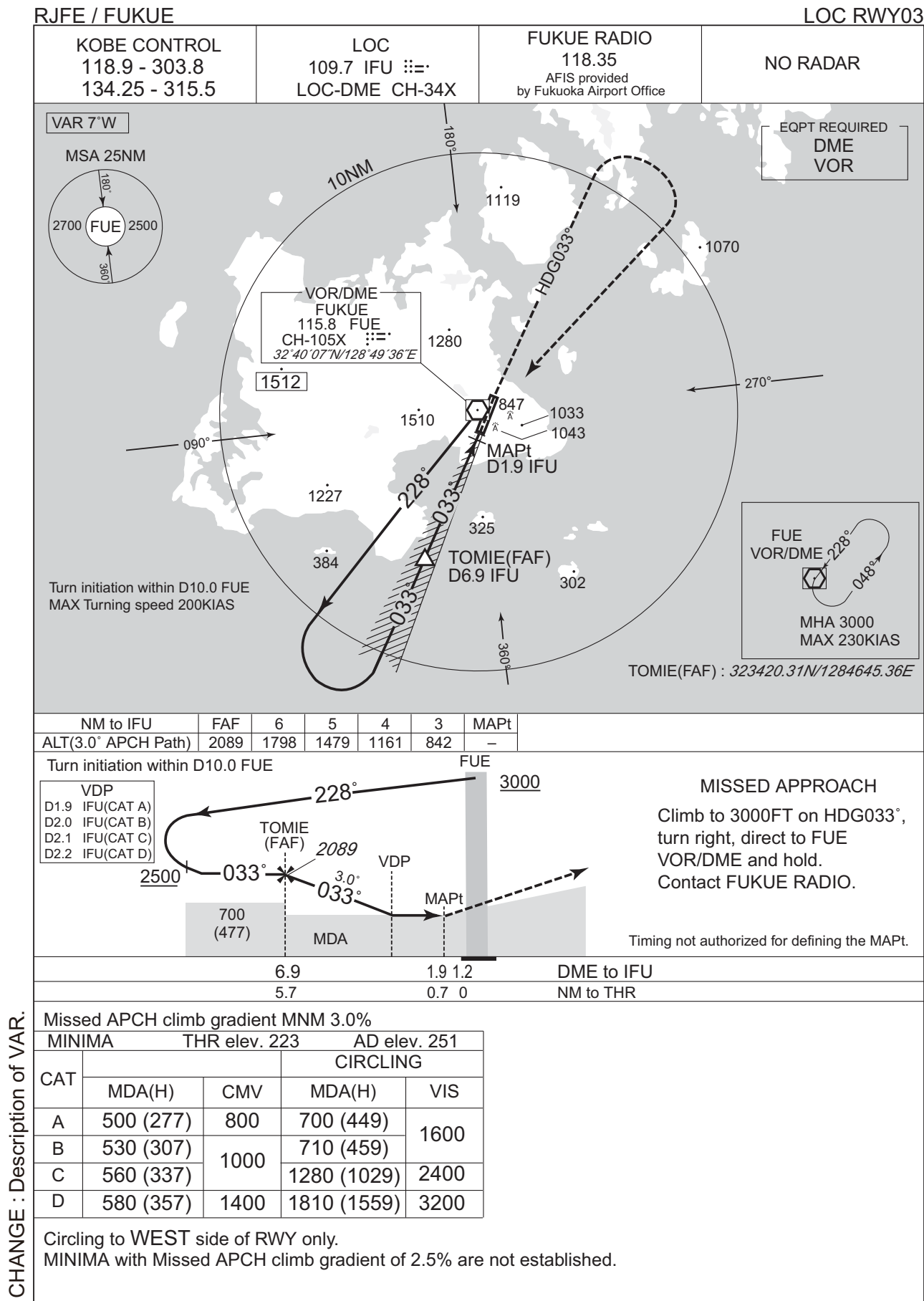
## OLVIN ONE DEPARTURE

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

CHANGE : Navigation Specification(Basic RNP1  $\rightarrow$  RNP1).

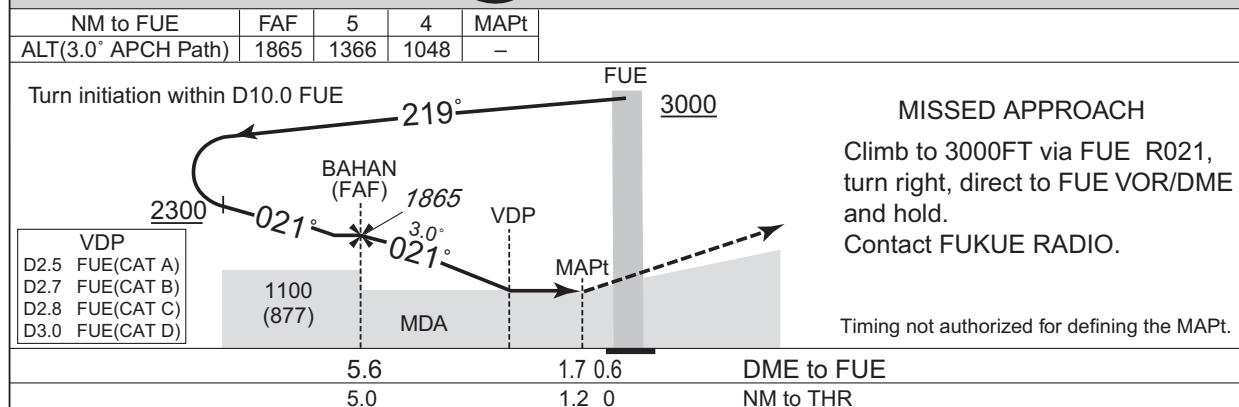
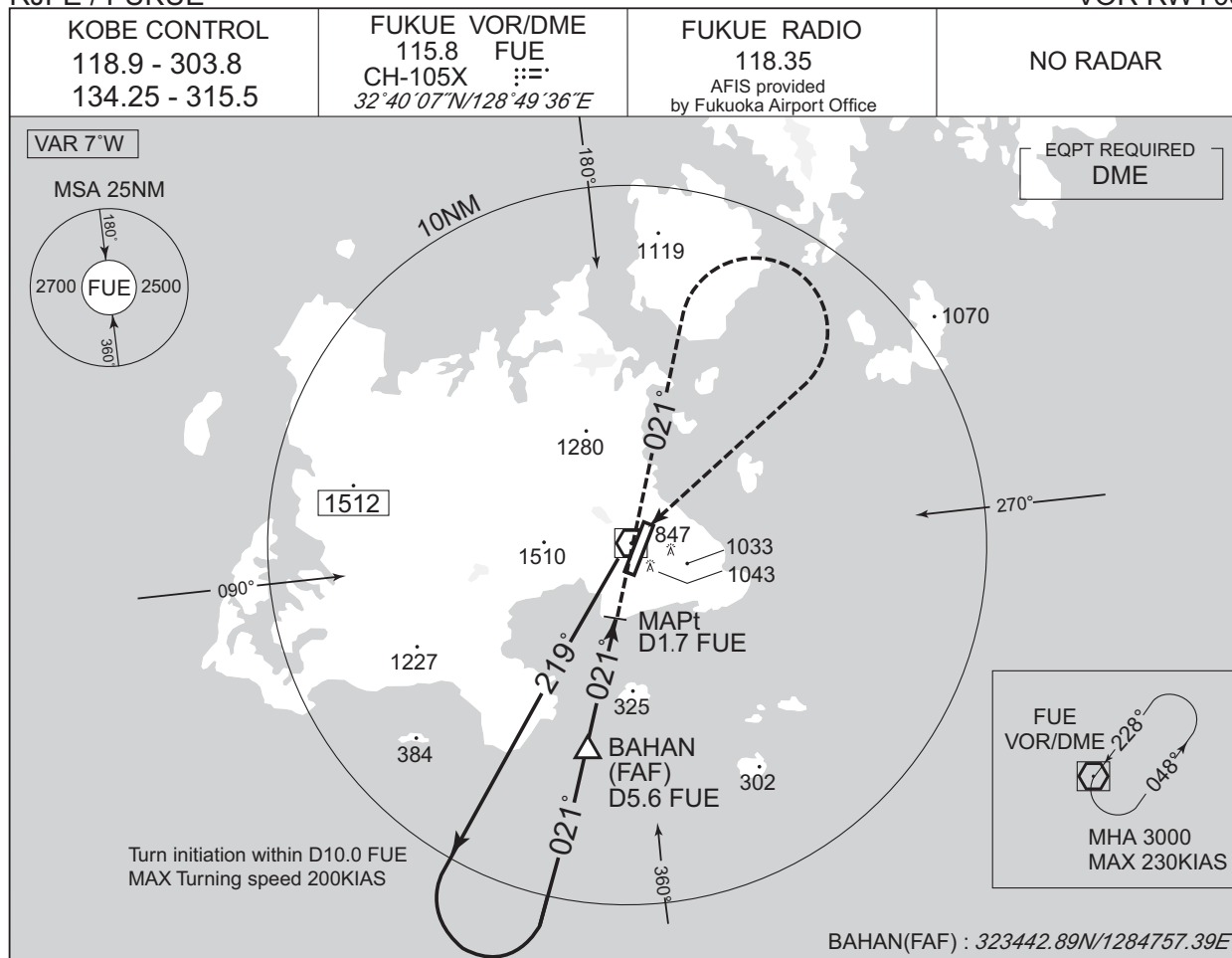
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03



DME to FUE				
NM to THR				
5.6 1.7 0.6				
5.0 1.2 0				
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)	2400
C	970 (747)	1800	1280 (1029)	3200
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.

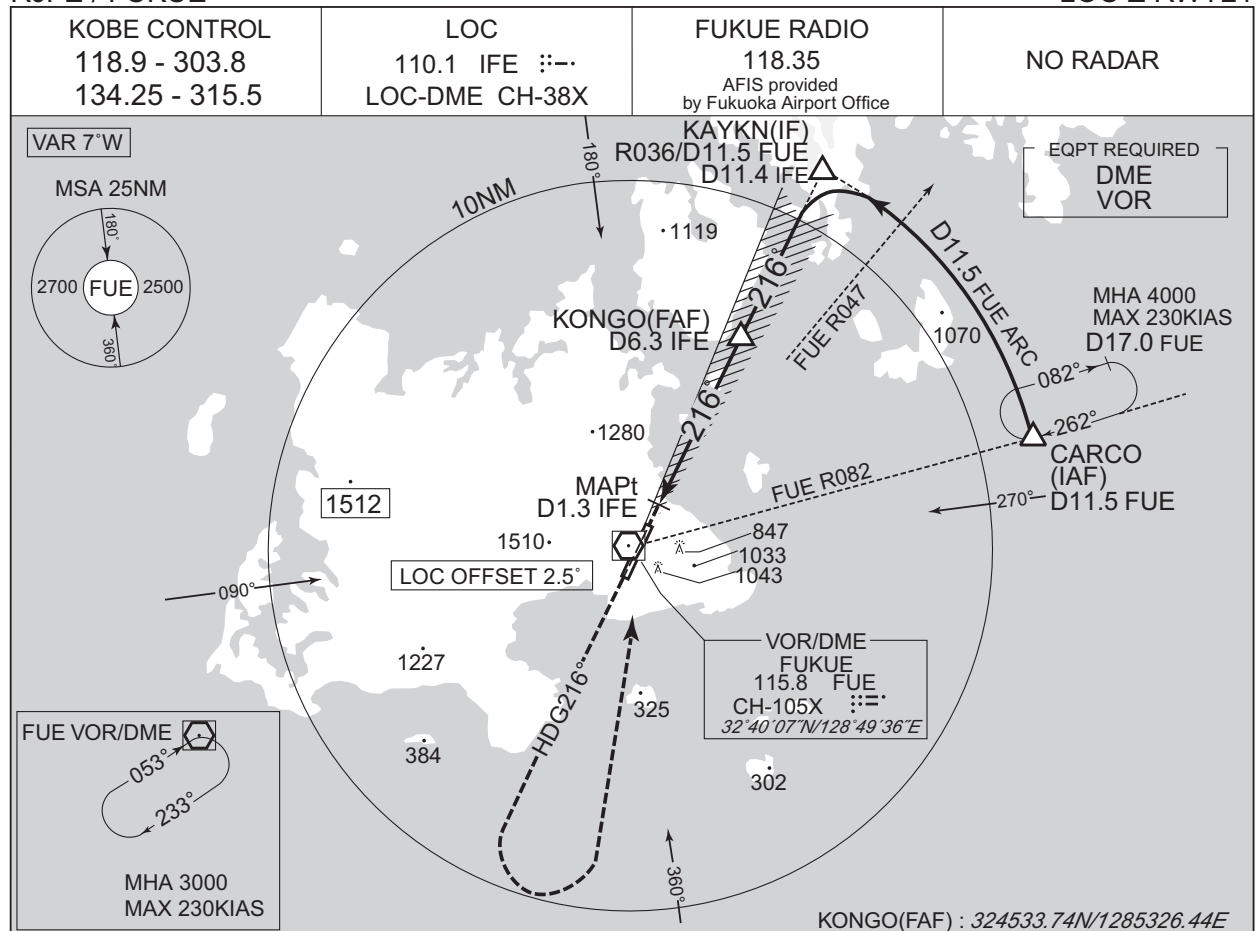
CHANGE : Description of VAR.



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Z RWY21

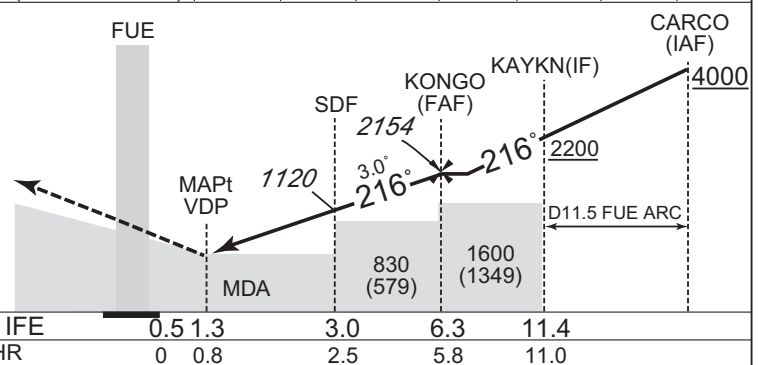


	NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	—	801	1120	1438	1756	2075	2154

## MISSED APPROACH

Climb to 2000FT on HDG216°,  
turn left, direct to FUE  
VOR/DME and hold at 3000FT.  
Contact FUKUE RADIO.

Timing not authorized for defining the MAPt.



DME to IFE	0.5	1.3	3.0	6.3	11.4
NM to THR	0	0.8	2.5	5.8	11.0

Missed APCH climb gradient MNM 3.0%

MINIMA		THR elev. 273	AD elev. 251
CAT	CIRCLING		VIS
	MDA(H)	CMV	
A	570 (319)	900	700 (449)
B		1000	710 (459)
C			1280 (1029)
D			1810 (1559)

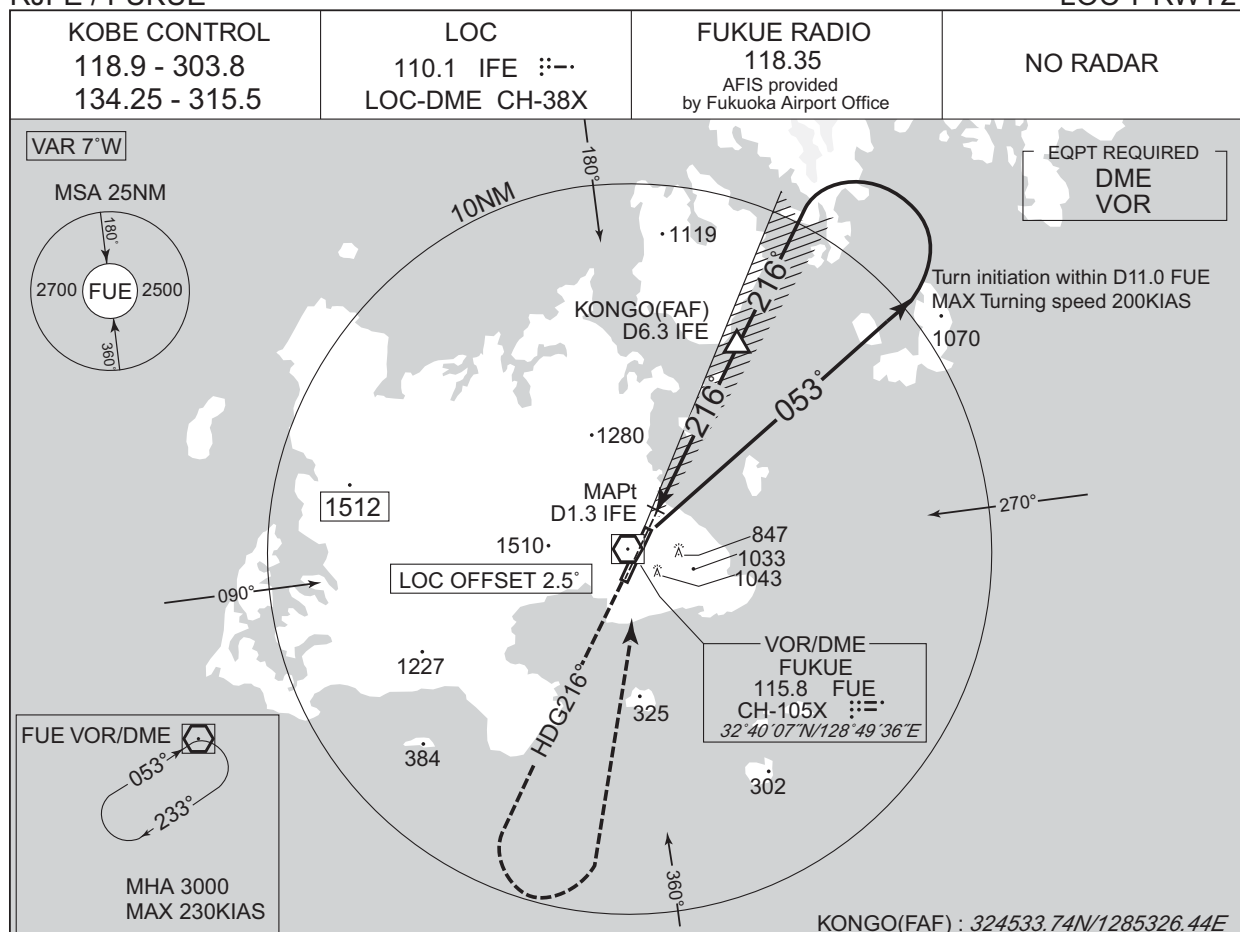
Circling to WEST side of RWY only.

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

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Y RWY21

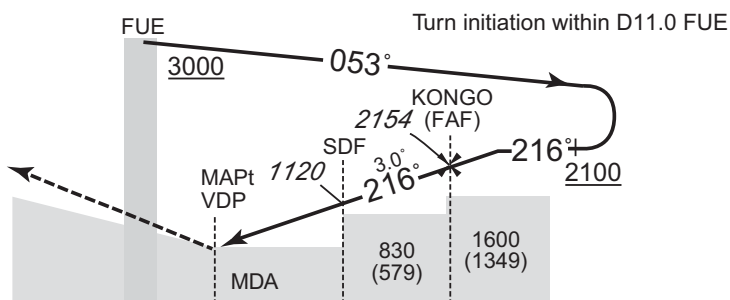


NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	801	1120	1438	1756	2075	2154

**MISSED APPROACH**

Climb to 2000FT on HDG216°,  
turn left, direct to FUE  
VOR/DME and hold  
at 3000FT.  
Contact FUKUE RADIO.

Timing not authorized for defining the MAPt.



DME to IFE	0.5	1.3	3.0	6.3
NM to THR	0	0.8	2.5	5.8

Missed APCH climb gradient MNM 3.0%

MINIMA	THR elev. 273	AD elev. 251
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CAT	CIRCLING		VIS
	MDA(H)	CMV	
A	570 (319)	900	1600
B		1000	
C		1280 (1029)	2400
D		1400	3200

Circling to WEST side of RWY only.

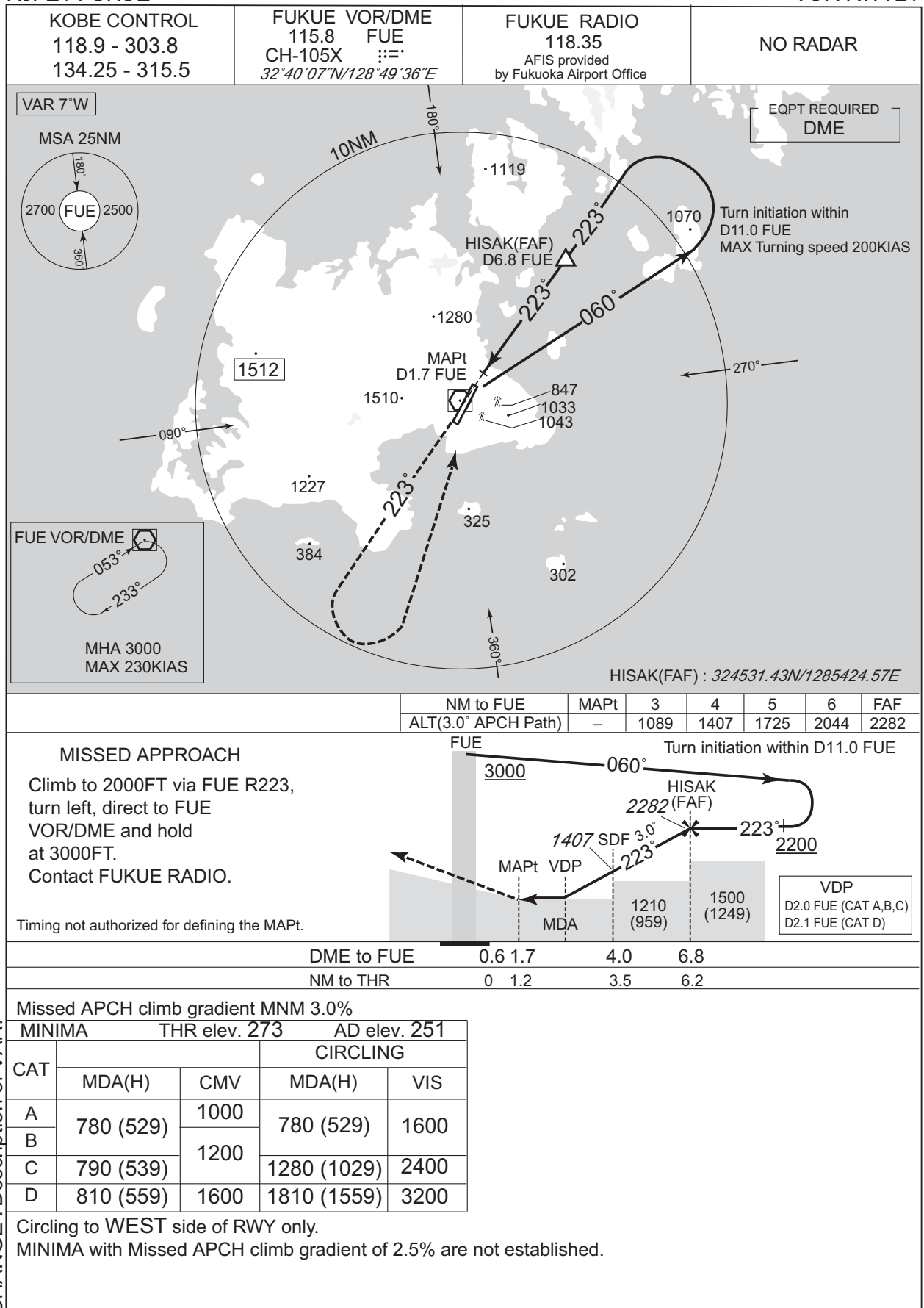
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY21



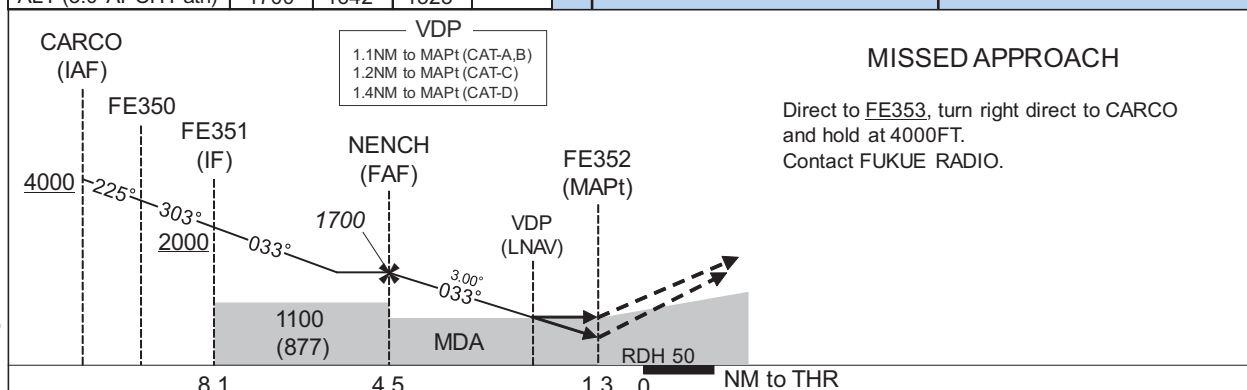
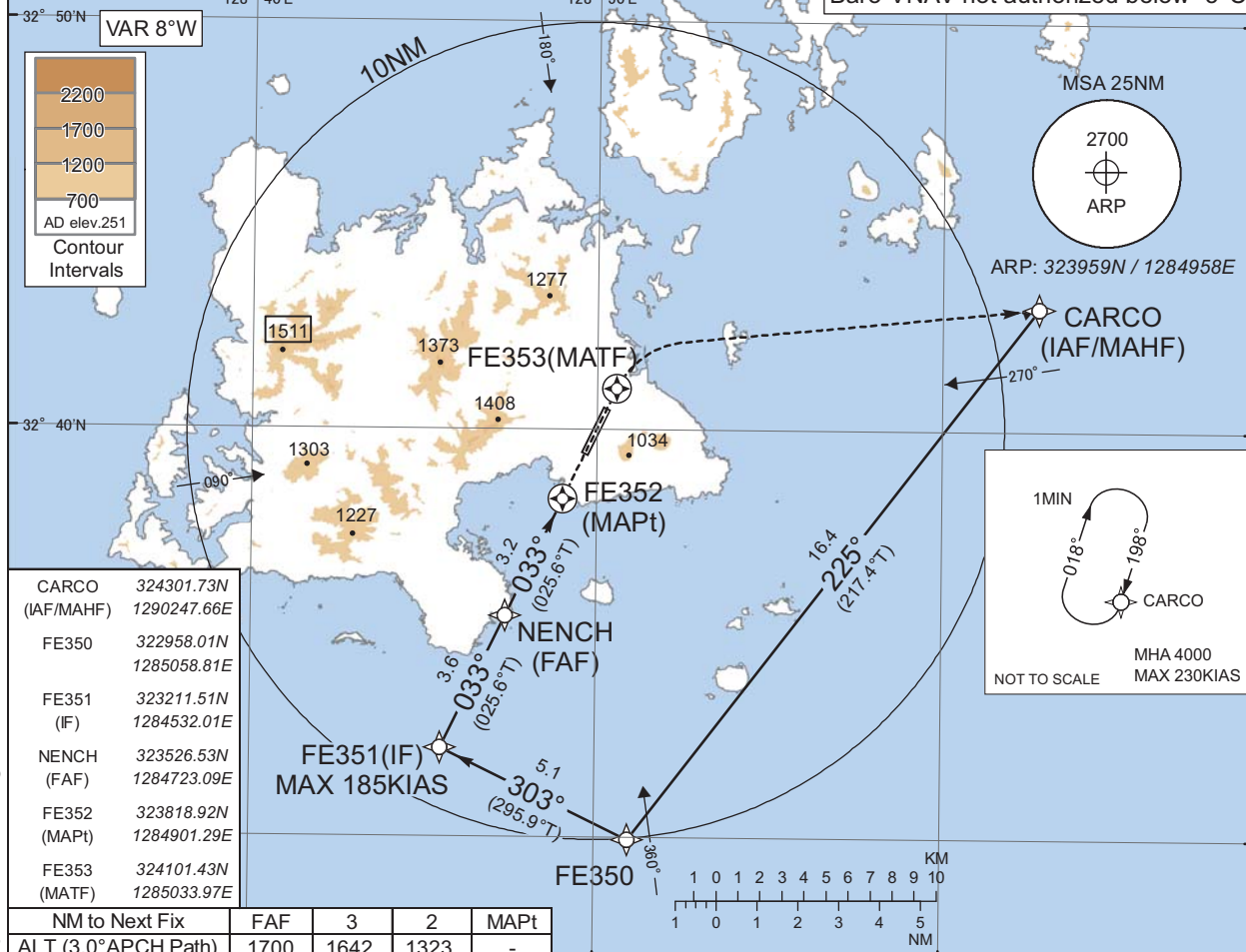
## INSTRUMENT APPROACH CHART

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

RJFE / FUKUE

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**

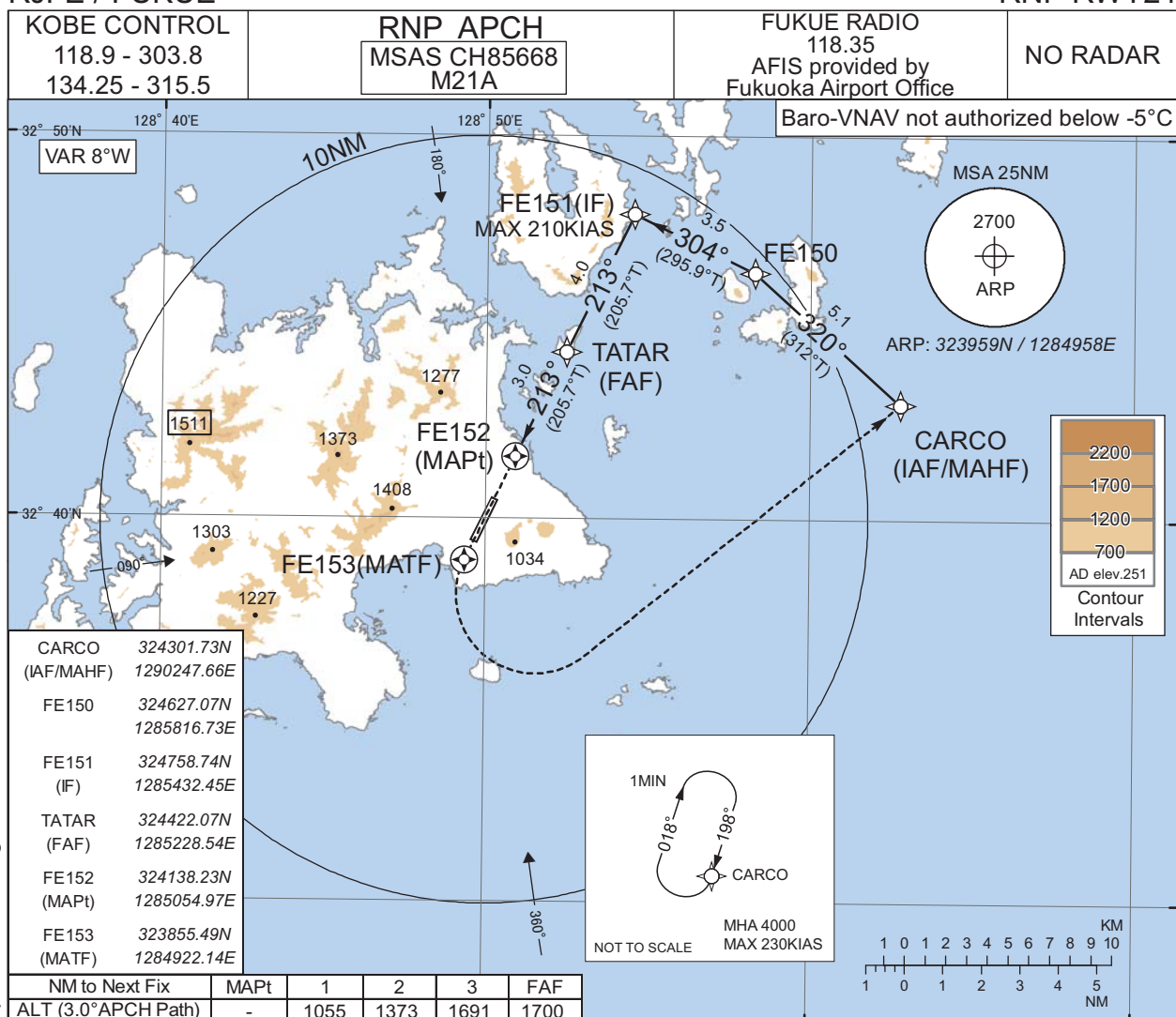
LTP/FTP orthometric height	67.7
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY21



## MISSED APPROACH

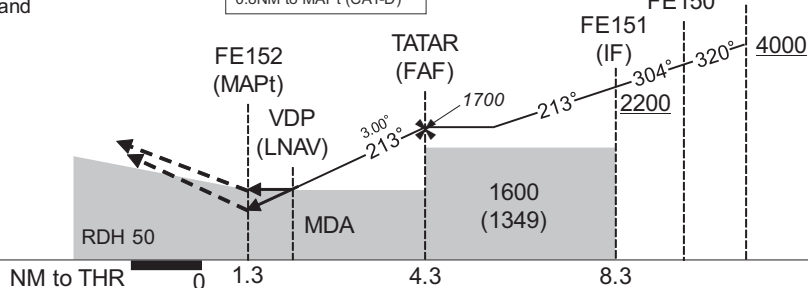
Direct to FE153, turn left direct to CARCO and  
hold at 4000FT.  
Contact FUKUE RADIO.

## VDP

0.5NM to MAPt (CAT-A,B)  
0.7NM to MAPt (CAT-C)  
0.8NM to MAPt (CAT-D)

## CARCO

FE150 (IAF)



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 273		AD elev. 251				
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	721(448)	900	880(607)	1000	880(629)	1000	880(629)	1600
B	731(458)	1200		1200		1200		
C	741(468)			930(657)	1400	930(679)	1400	1280(1029)
D	751(478)	1600	970(697)	1800	970(719)	1800	1810(1559)	3200

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

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

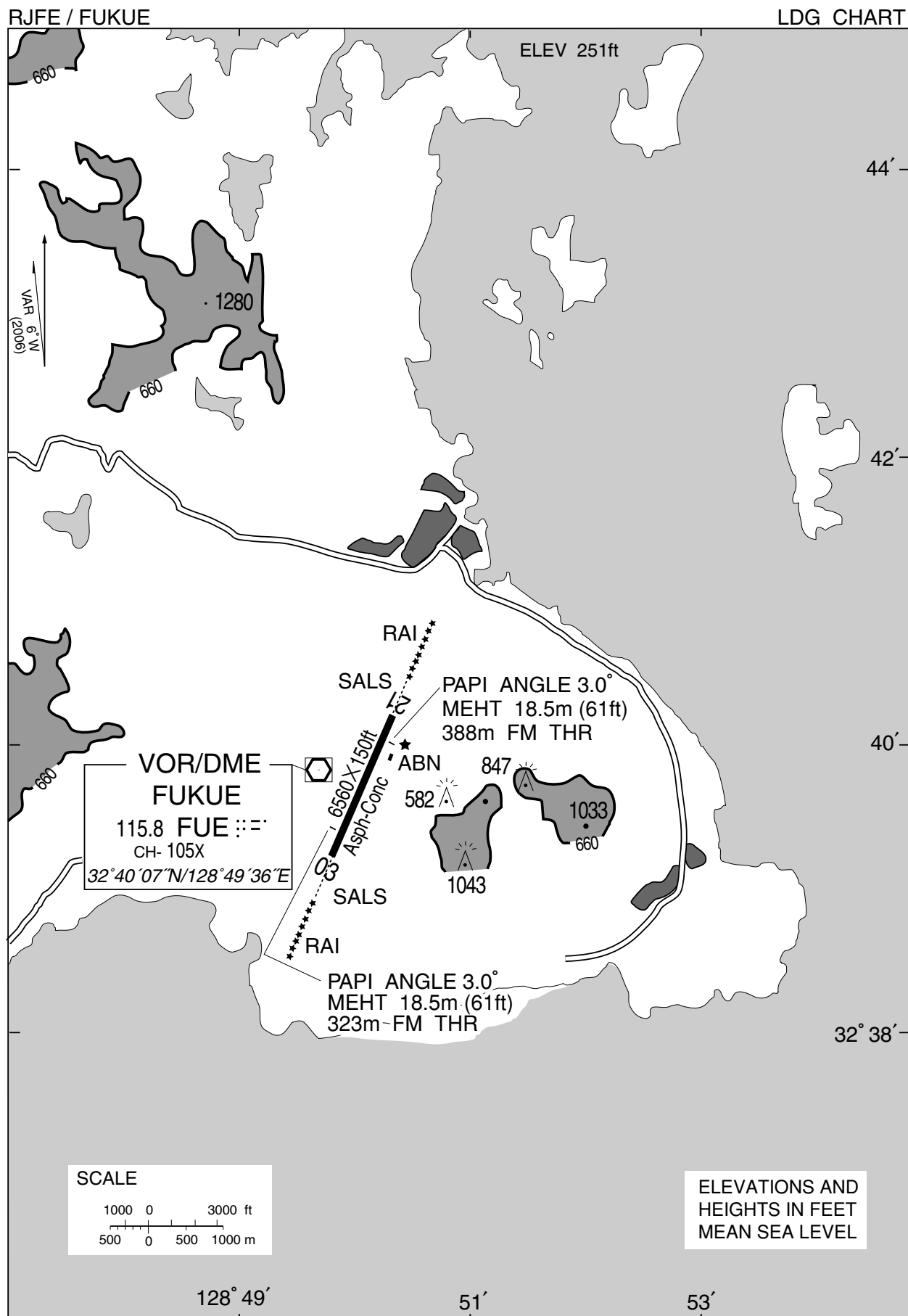


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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





RJFE / FUKUE

Minimum Vectoring Altitude CHART

CHANGE : Shape of segment.



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