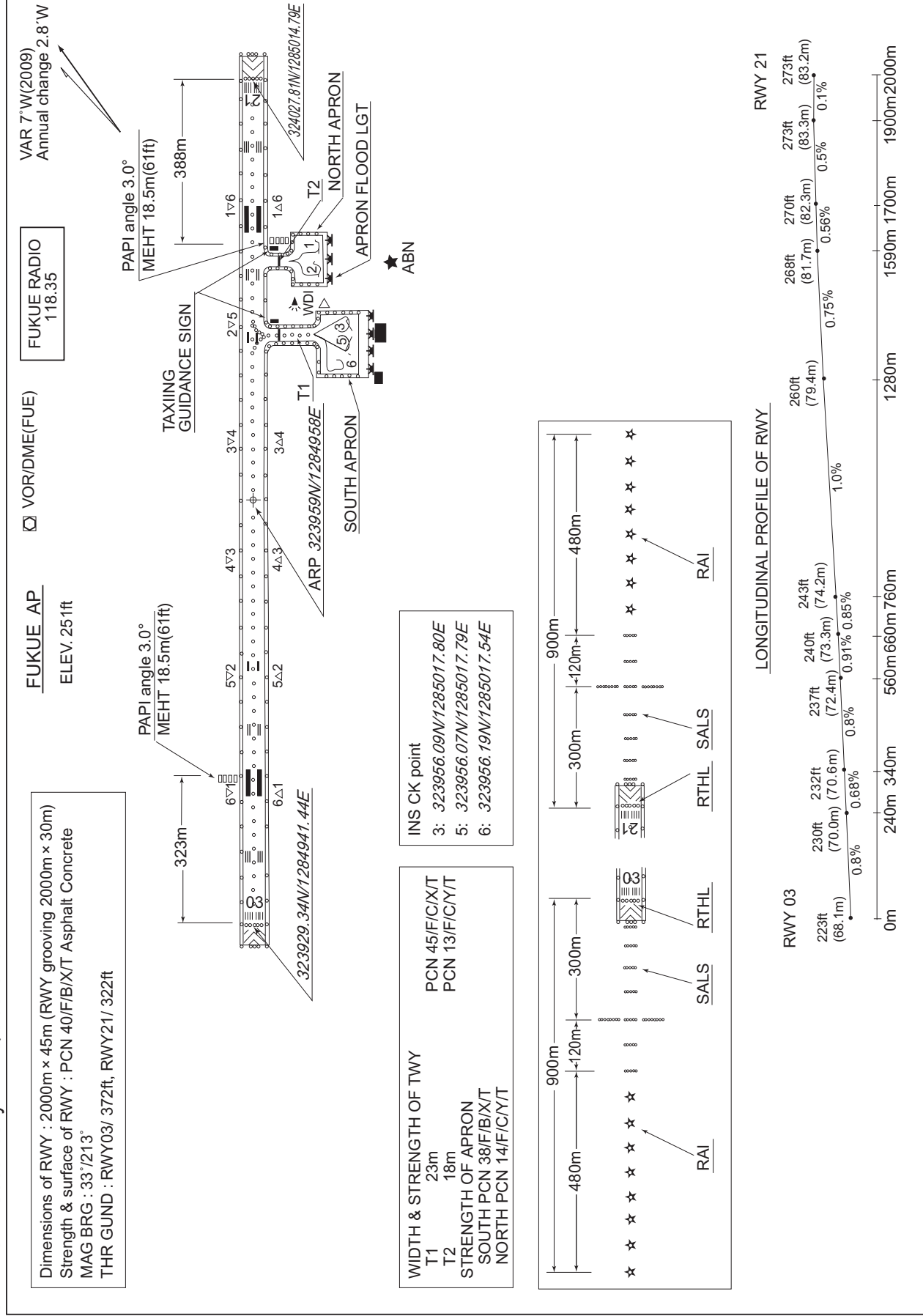


CHANGE : Secondary FREQ abolished.

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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.

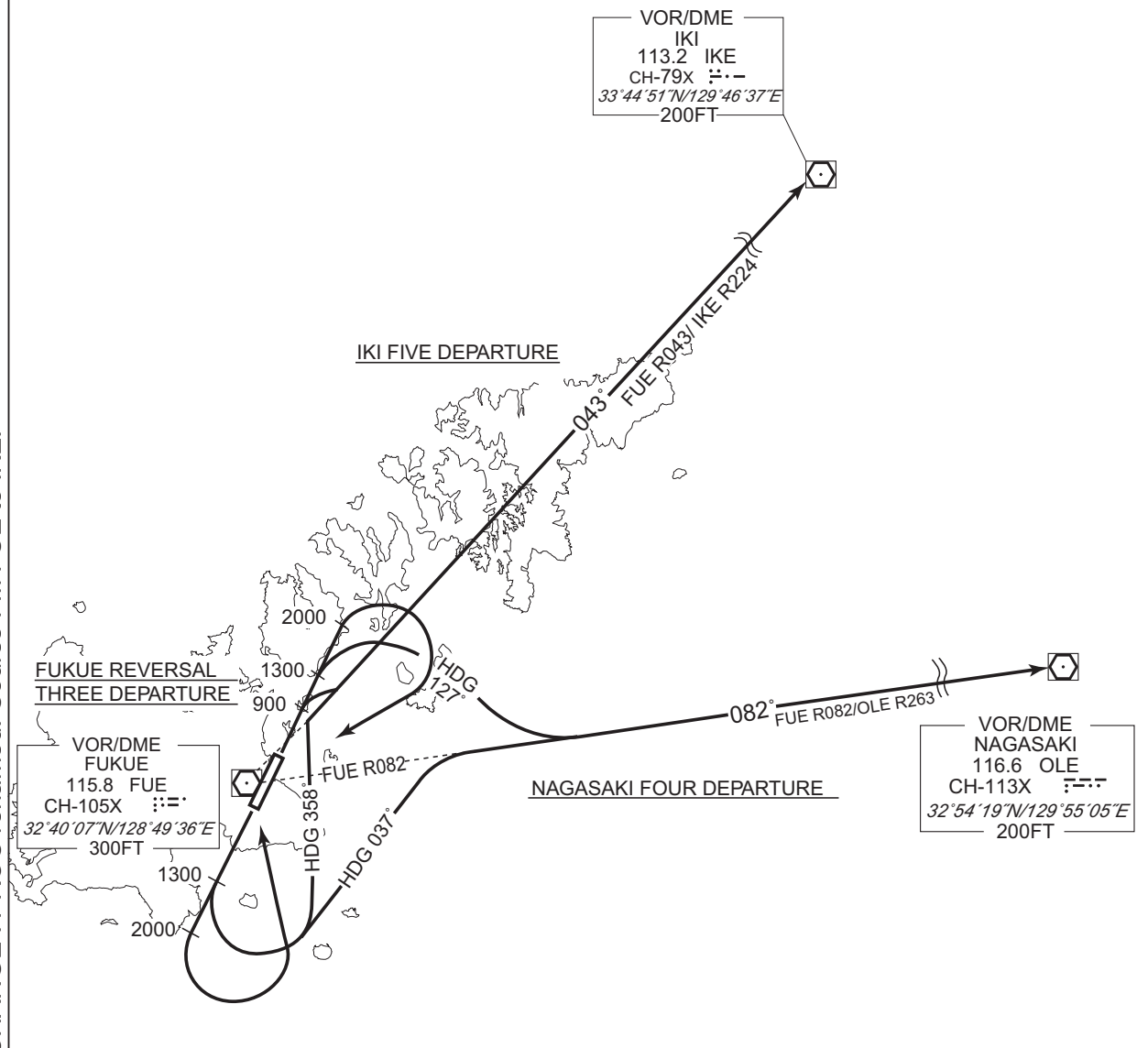
IKI FIVE DEPARTURE

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.

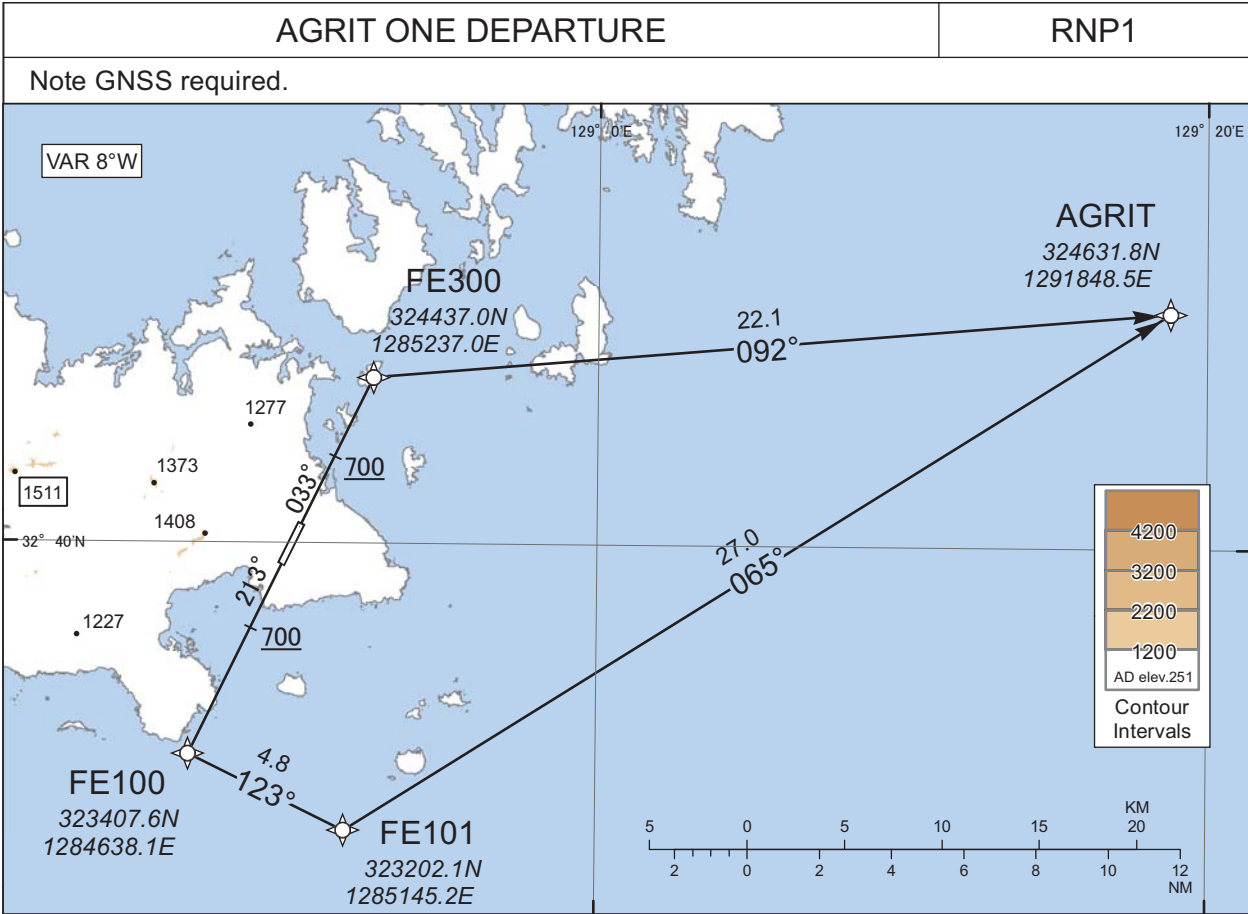
CHANGE : PROC renamed. Course FM FUE to IKE.



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

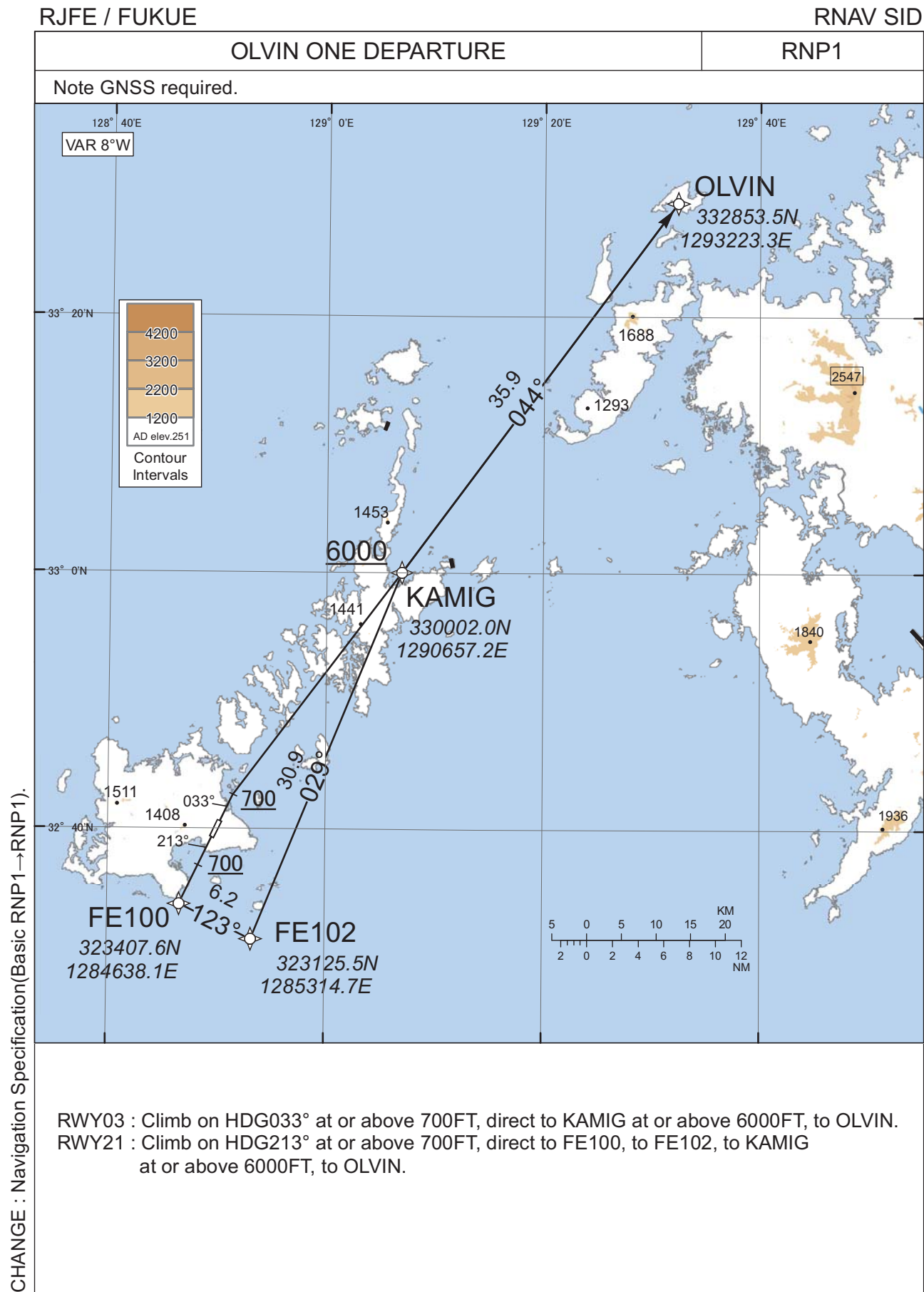
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE300	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	AGRIT	-	092 (084.9)	-7.5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

CHANGE : Navigation Specification(Basic RNP1→RNP1).

STANDARD DEPARTURE CHART - INSTRUMENT



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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

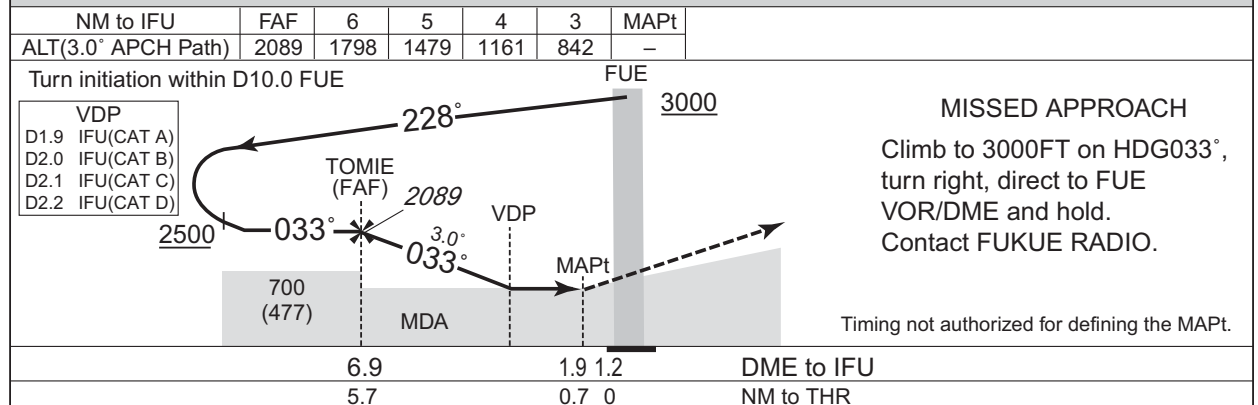
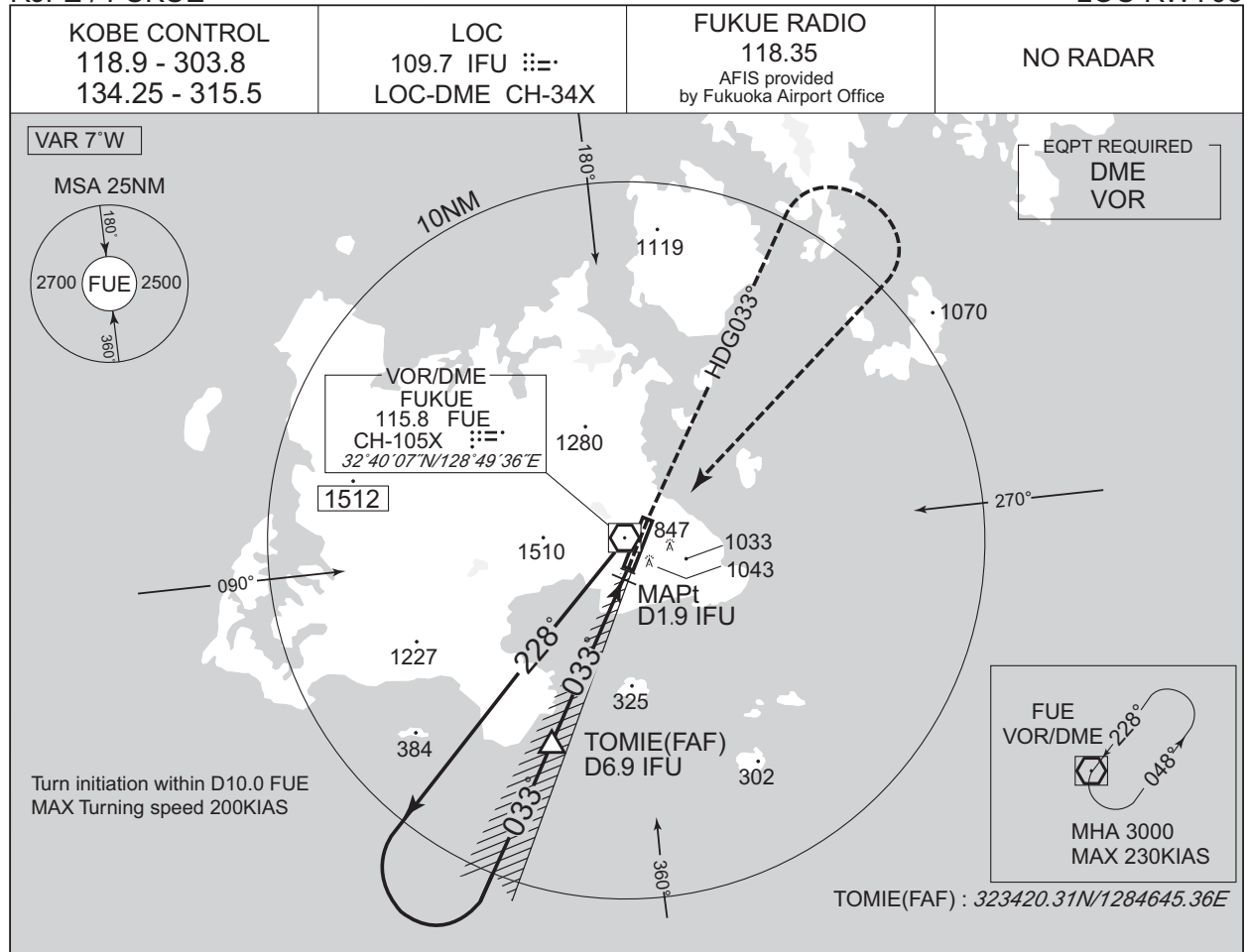
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	213 (205.7)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	FE102	-	123 (115.8)	-7.5	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

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC RWY03



CHANGE : Description of VAR.

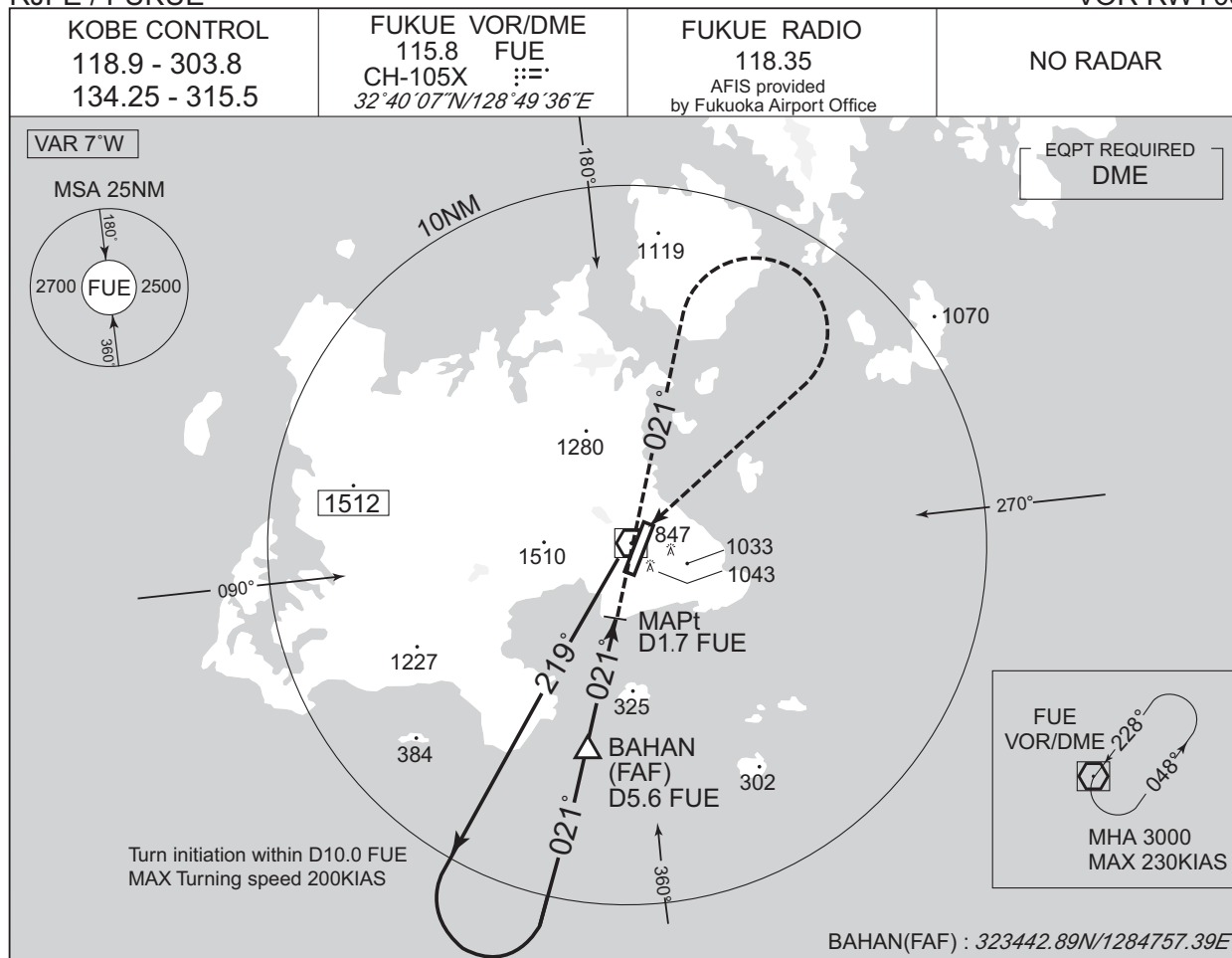
Missed APCH climb gradient MNM 3.0%				
MINIMA		THR elev. 223	AD elev. 251	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	500 (277)	800	700 (449)	1600
B	530 (307)	1000	710 (459)	
C	560 (337)		1280 (1029)	2400
D	580 (357)	1400	1810 (1559)	3200

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

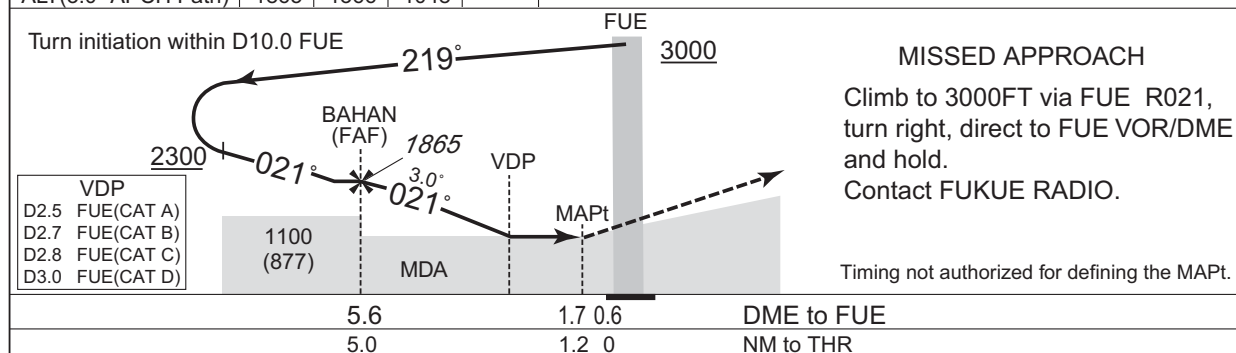
INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03



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



CHANGE : Description of VAR.

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)	2400
D	1010 (787)	1800	1810 (1559)	3200

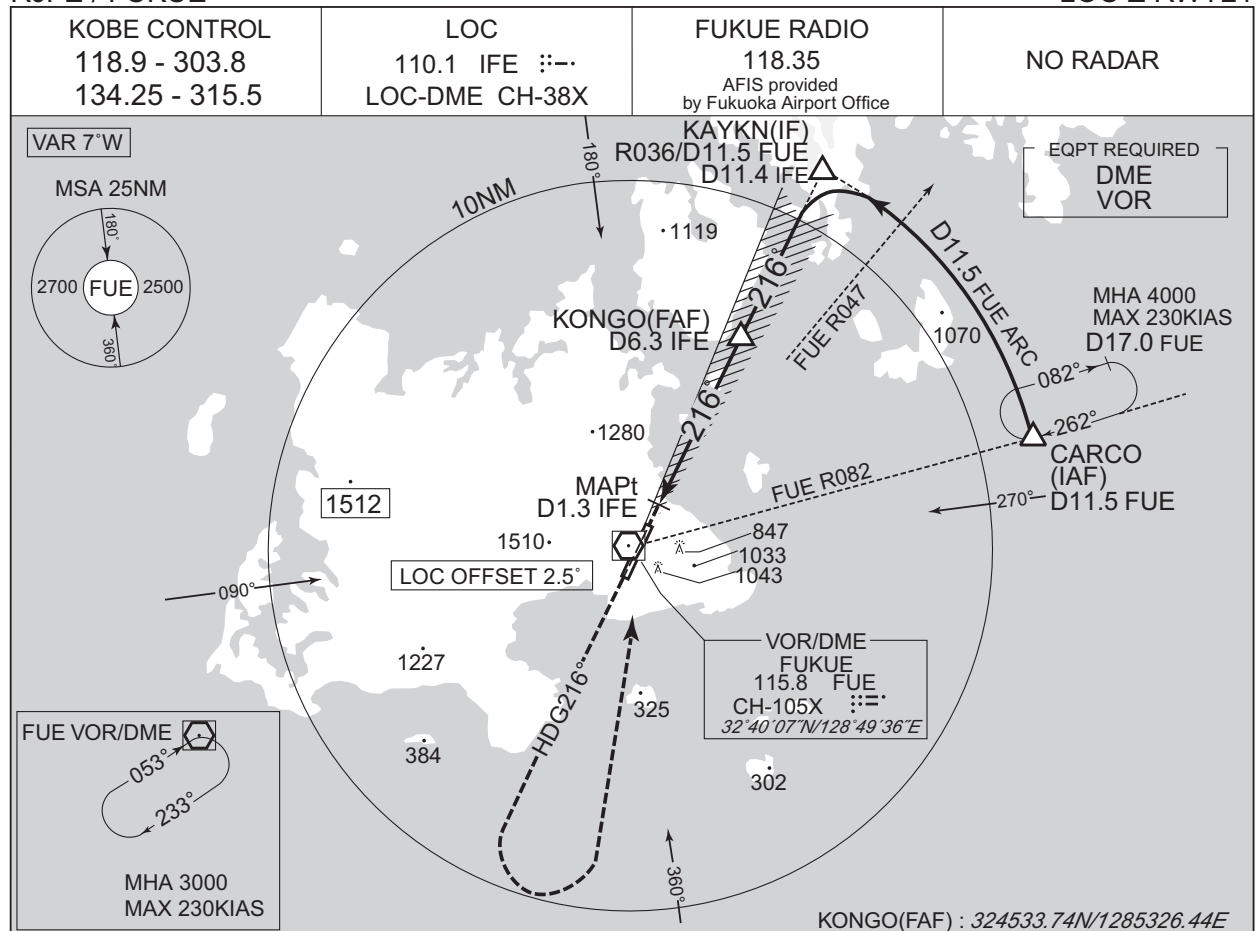
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Z RWY21

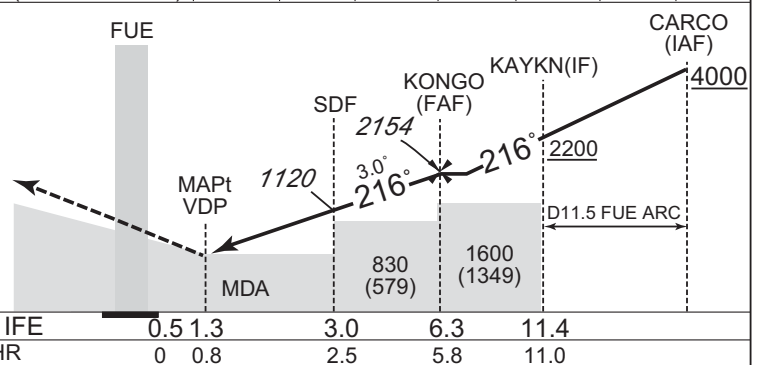


	NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	—	801	1120	1438	1756	2075	2154

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	MDA(H)
A	570 (319)	900	700 (449)
B		1000	710 (459)
C			1280 (1029)
D			1810 (1559)

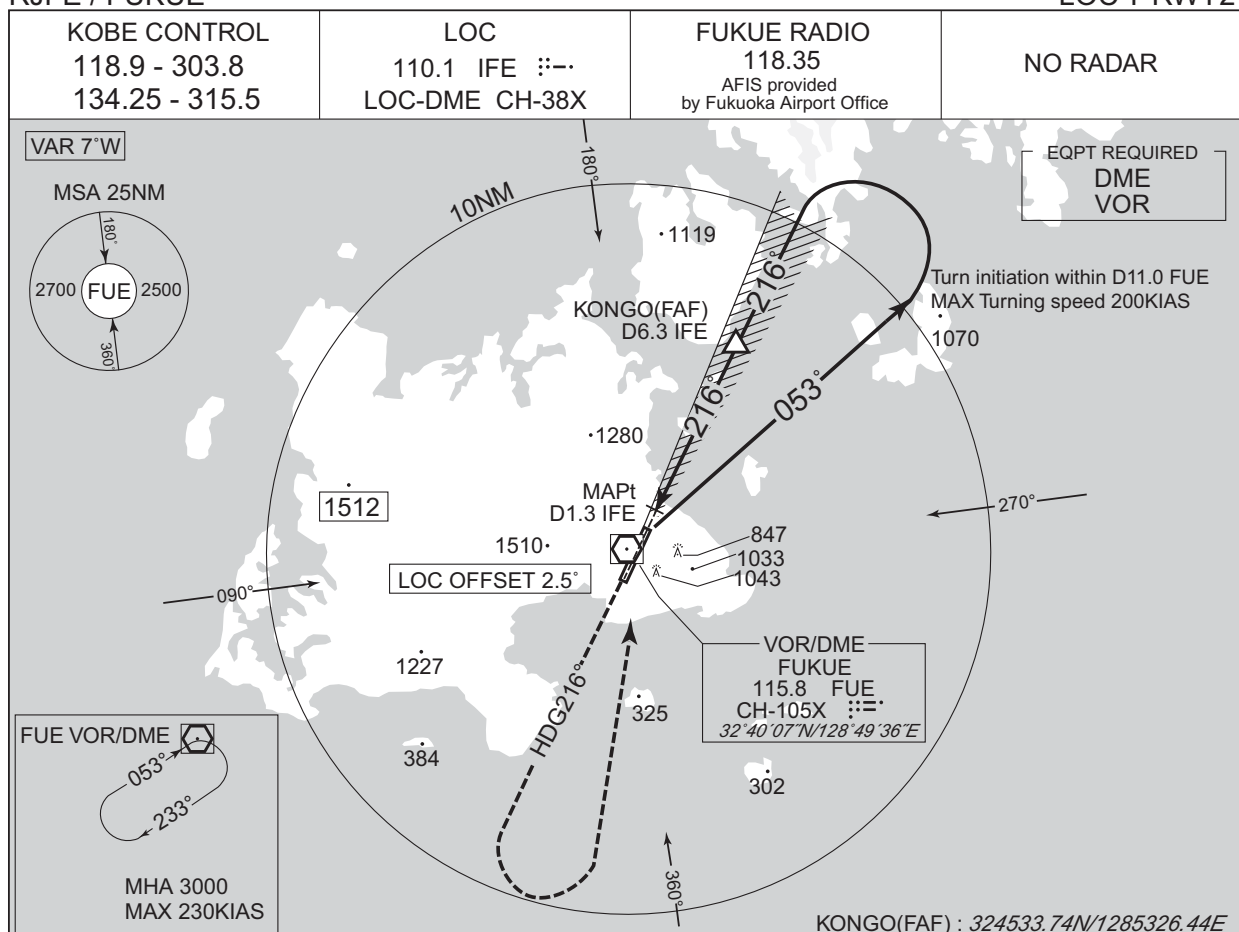
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Y RWY21

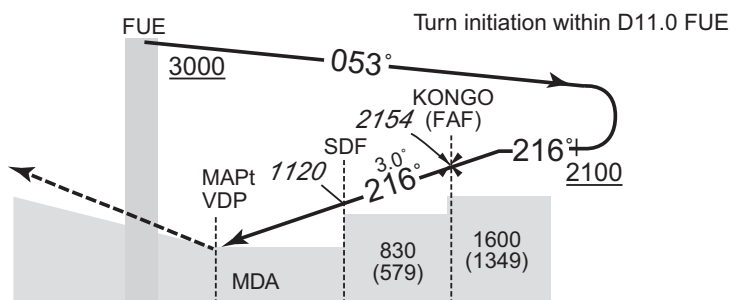


NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	801	1120	1438	1756	2075	2154

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

CAT	CIRCLING		CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	570 (319)	900	700 (449)	1600
B		1000	710 (459)	
C			1280 (1029)	2400
D		1400	1810 (1559)	3200

Circling to WEST side of RWY only.

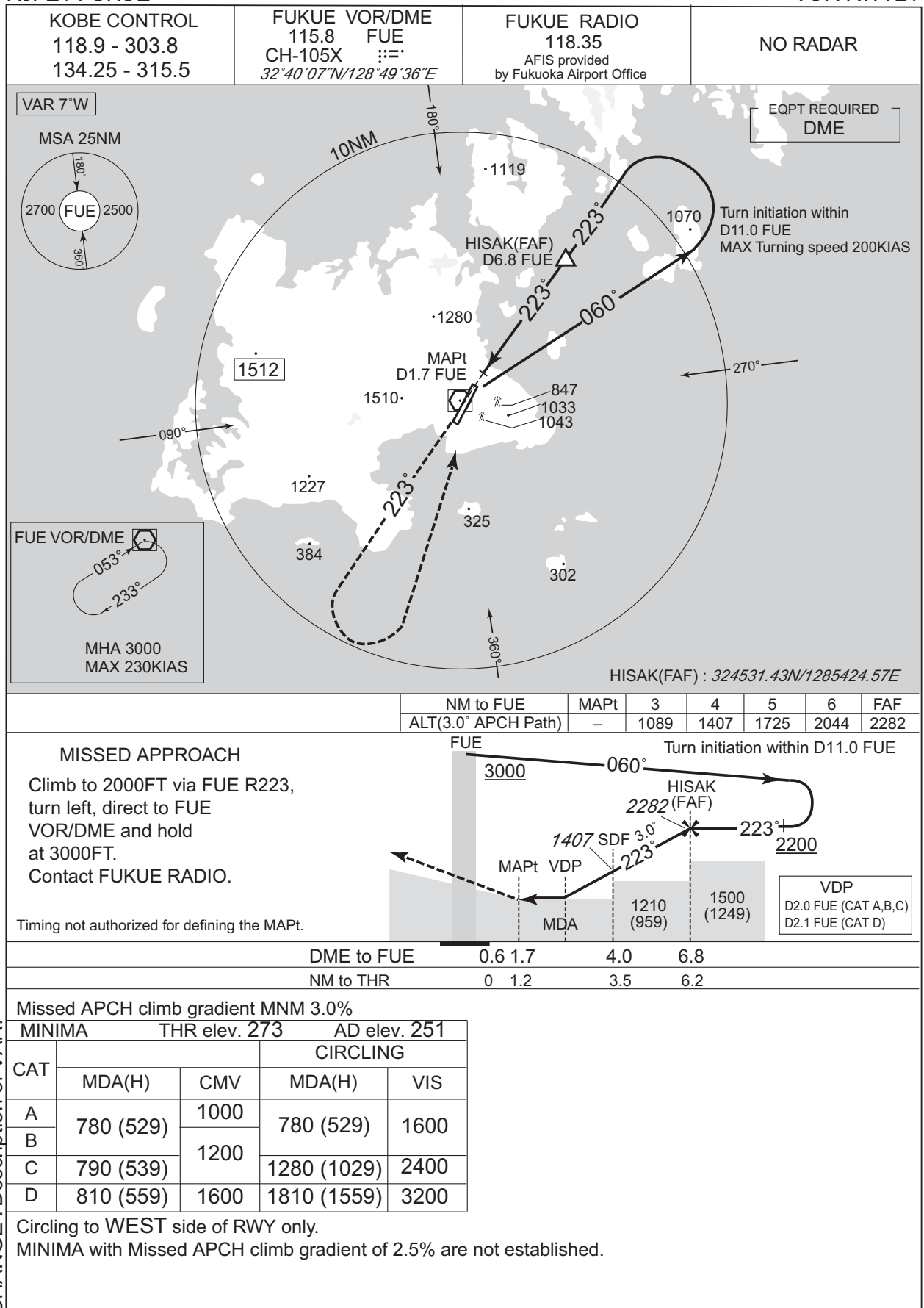
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY21



RJFE / FUKUE

KOBE CONTROL
118.9 - 303.8
134.25 - 315.5

RNP APCH
MSRP CH88033
M03A

FUKUOKA RADIO
118.35
AFIS provided by
Fukuoka Airport Office

NO RADAR

Baro-VNAV not authorized below -5°C

VAR 8°W

2200
1700
1200
700
AD elev.251
Contour
Intervals

10NM

MSA 25NM
2700
ARP

ARP: 323959N / 1284958E

CARCO
(IAF/MAHF)

270°

1MIN
018°
198°
CARCO

MHA 4000
MAX 230KIAS

NOT TO SCALE

CARCO	324301.73N
(IAF/MAHF)	1290247.66E
FE350	322958.01N
	1285058.81E
FE351	323211.51N
(IF)	1284532.01E
NENCH	323526.53N
(FAF)	1284723.09E
FE352	323818.92N
(MAPt)	1284901.29E
FE353	324101.43N
(MATF)	1285033.97E

FE351(IF)
MAX 185KIAS

NENCH
(FAF)

FE352
(MAPt)

FE353
(MATF)

16.4
225°
(217.4°T)

3.6
033°
(025.6°T)

3.2
033°
(025.6°T)

5.1
303°
(295.9°T)

1 0 1 2 3 4 5 6 7 8 9 10
KM

1 0 1 2 3 4 5
NM

Missed Approach Chart

Direct to FE353, turn right direct to CARCO and hold at 4000FT.
Contact FUKUE RADIO.

VDP
1.1NM to MAPt (CAT-A,B)
1.2NM to MAPt (CAT-C)
1.4NM to MAPt (CAT-D)

CARCO (IAF)
FE350
FE351 (IF)
NENCH (FAF)
FE352 (MAPt)
VDP (LNAV)

4000
225°
303°
2000
033°
1700
3.00°
033°
1100 (877)
MDA
RDH 50
8.1
4.5
1.3
0
NM to THR

INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

FAS DATA BLOCK

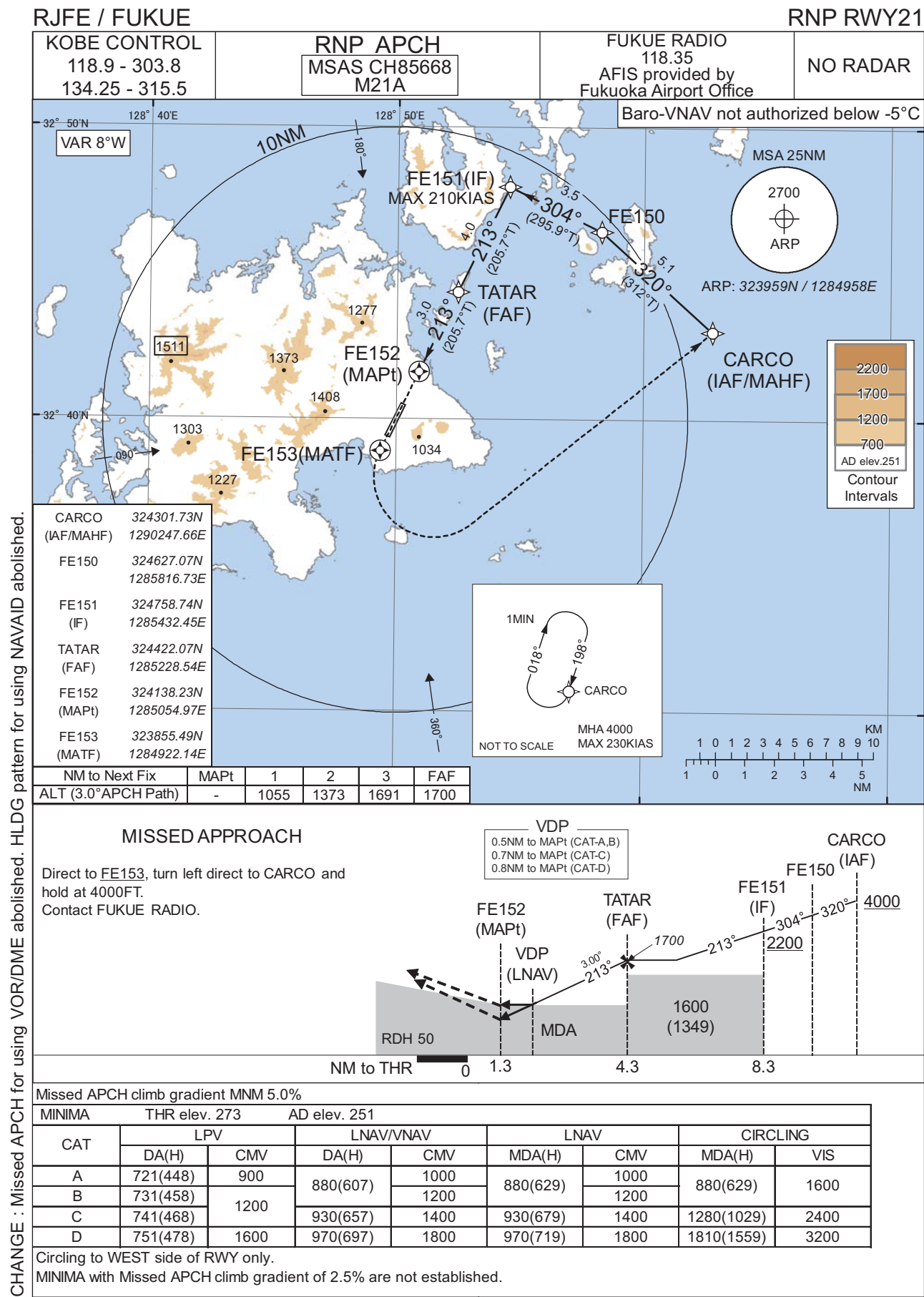
Operation type	0	LTP/FTP ellipsoidal height	+00987
SBAS service provider identifier	2	FPAP latitude	324027.7825N
Airport identifier	RJFE	FPAP longitude	1285014.8040E
Runway	03	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
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
----------------------------	------

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
----------------------------	------

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

RJFE / FUKUE

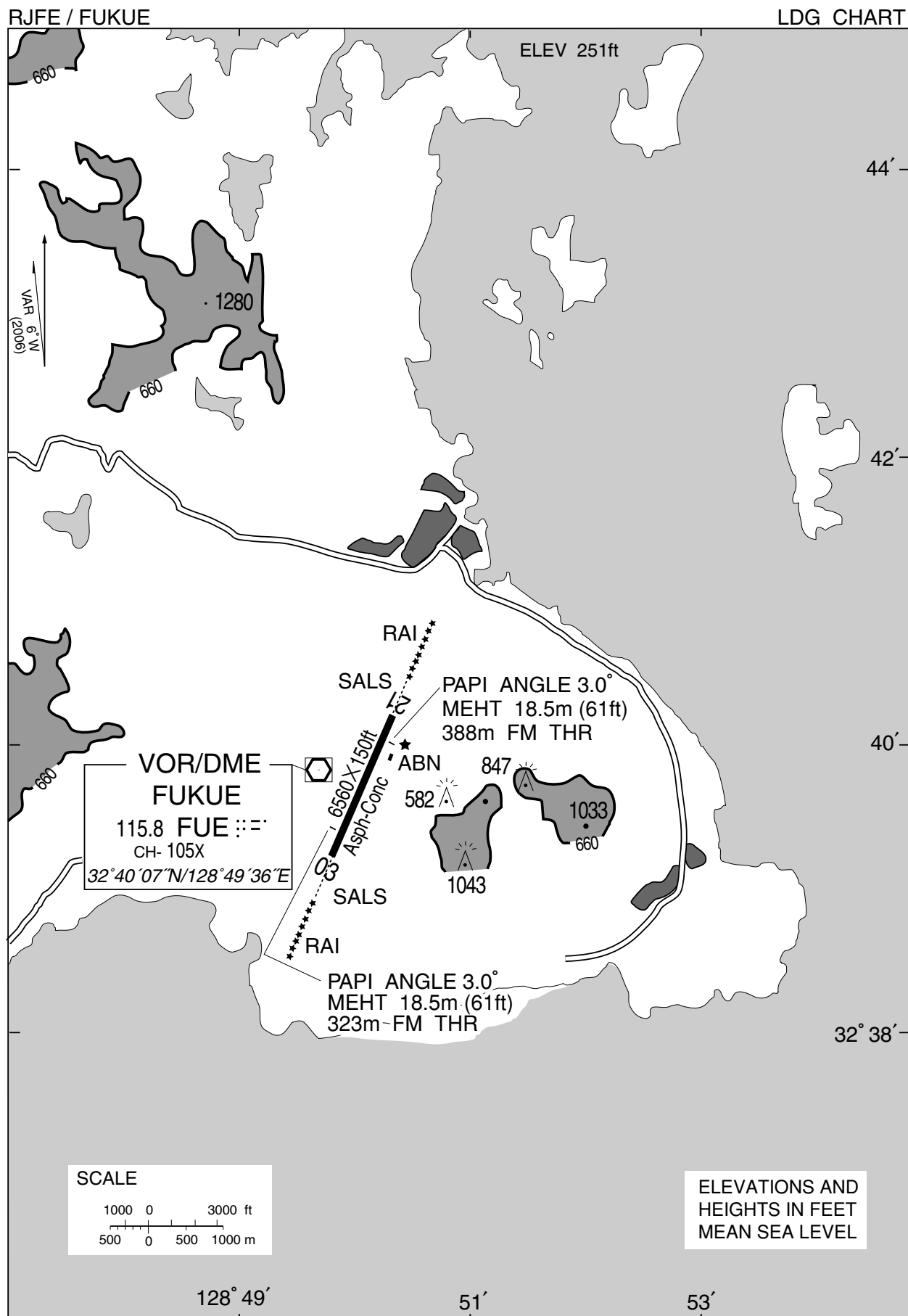
Visual REP



※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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