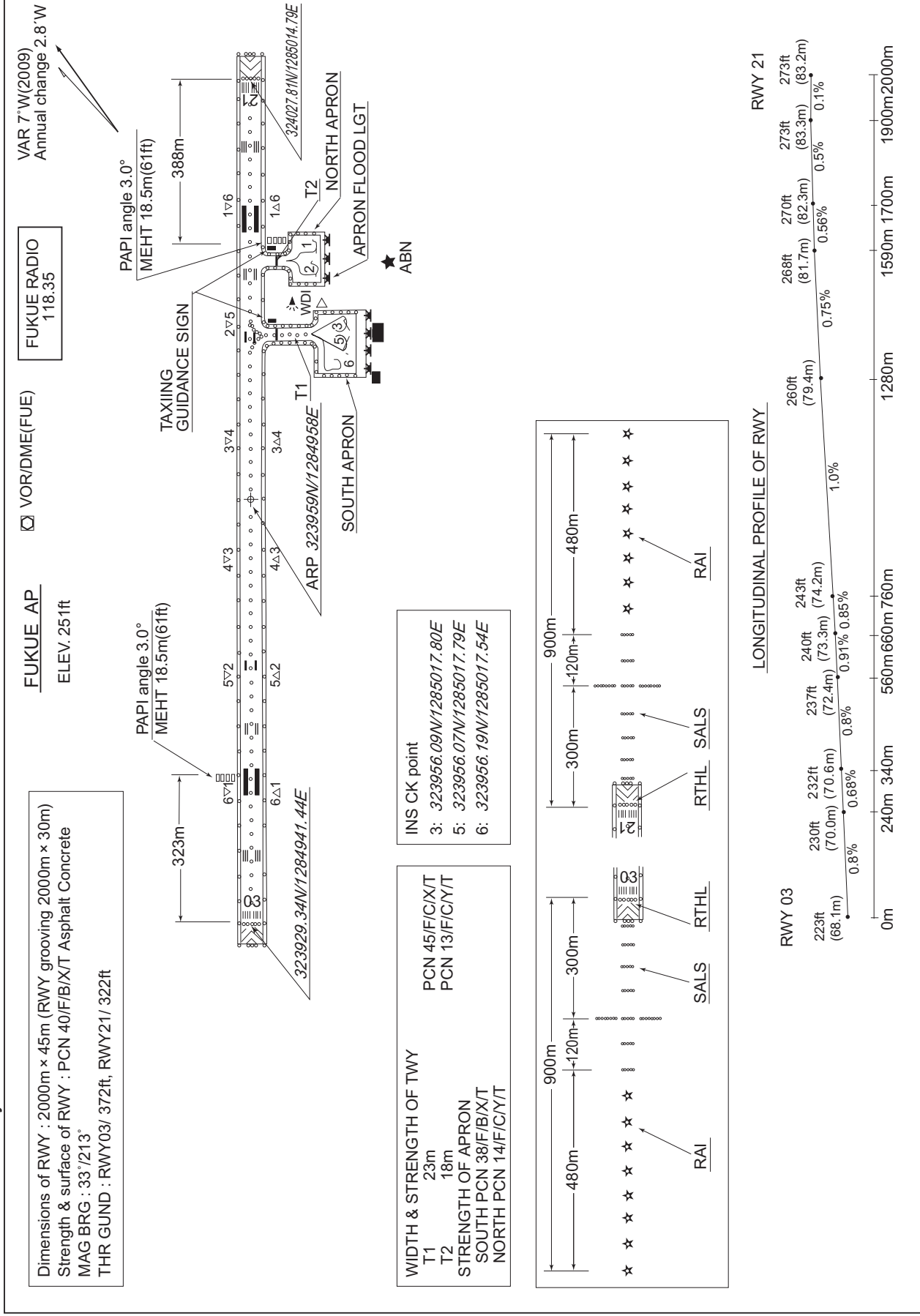


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AD CHART

CHANGE : Secondary FREQ abolished.



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STANDARD DEPARTURE CHART - INSTRUMENT

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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.

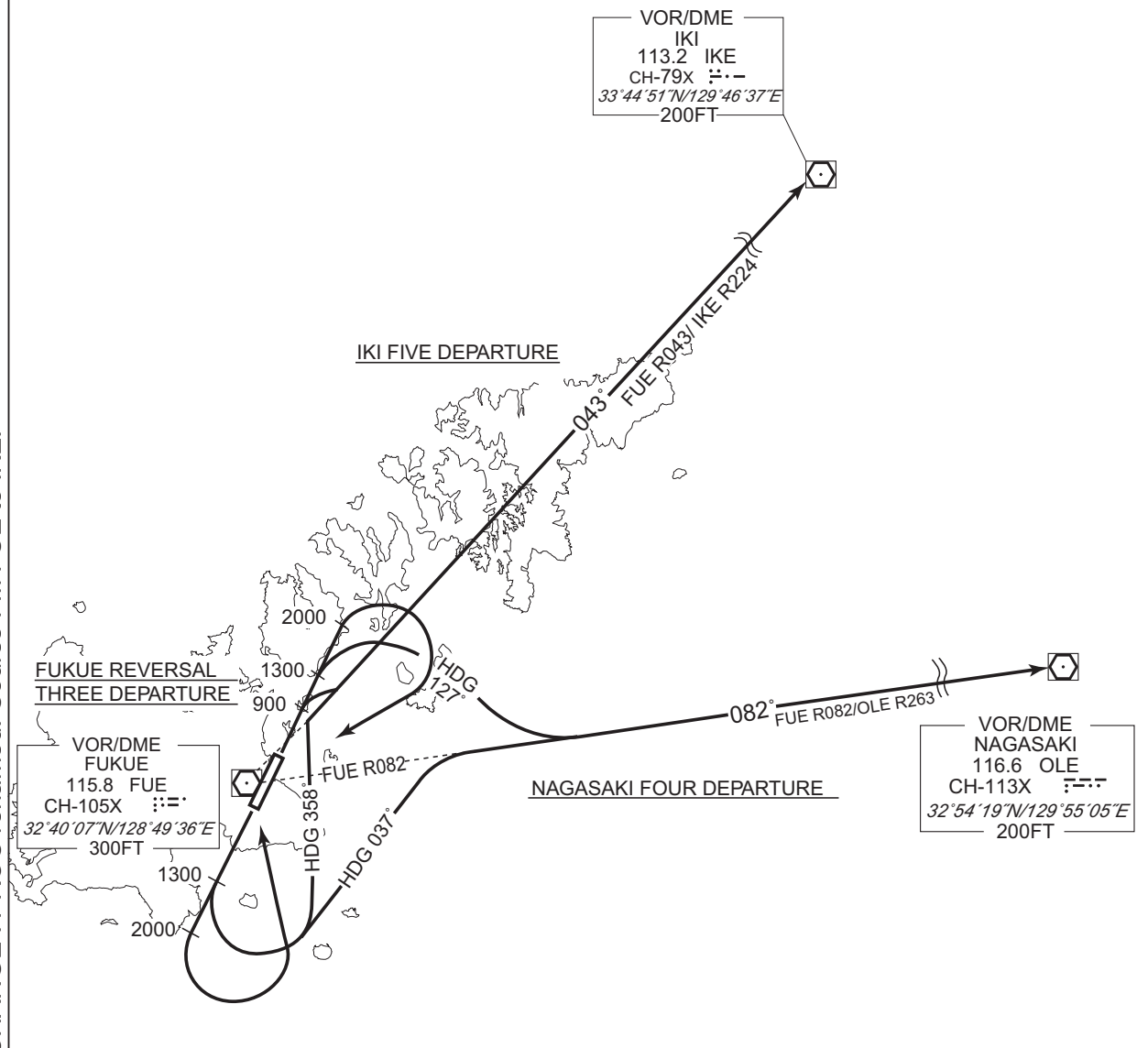
IKI FIVE DEPARTURE

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.

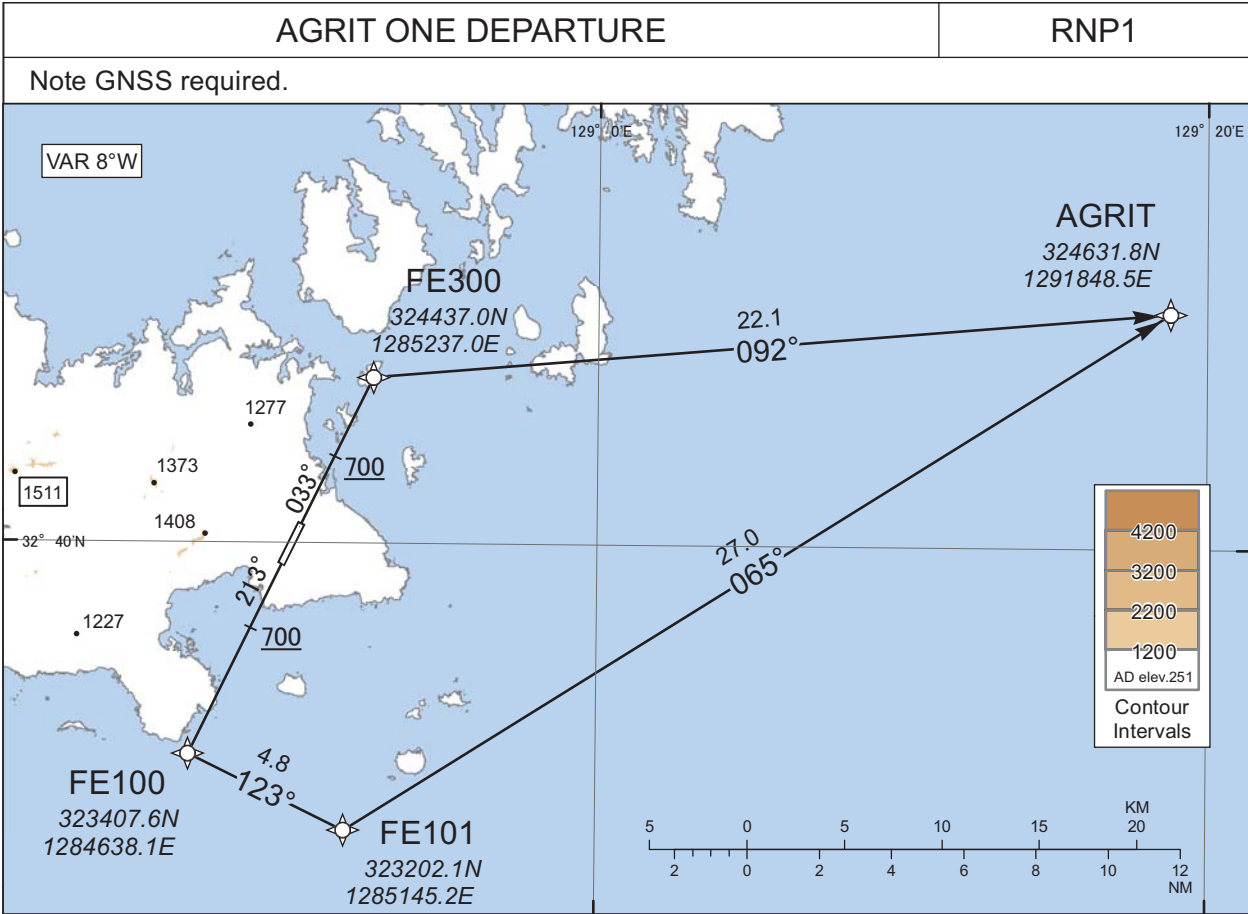
CHANGE : PROC renamed. Course FM FUE to IKE.



STANDARD DEPARTURE CHART - INSTRUMENT

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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

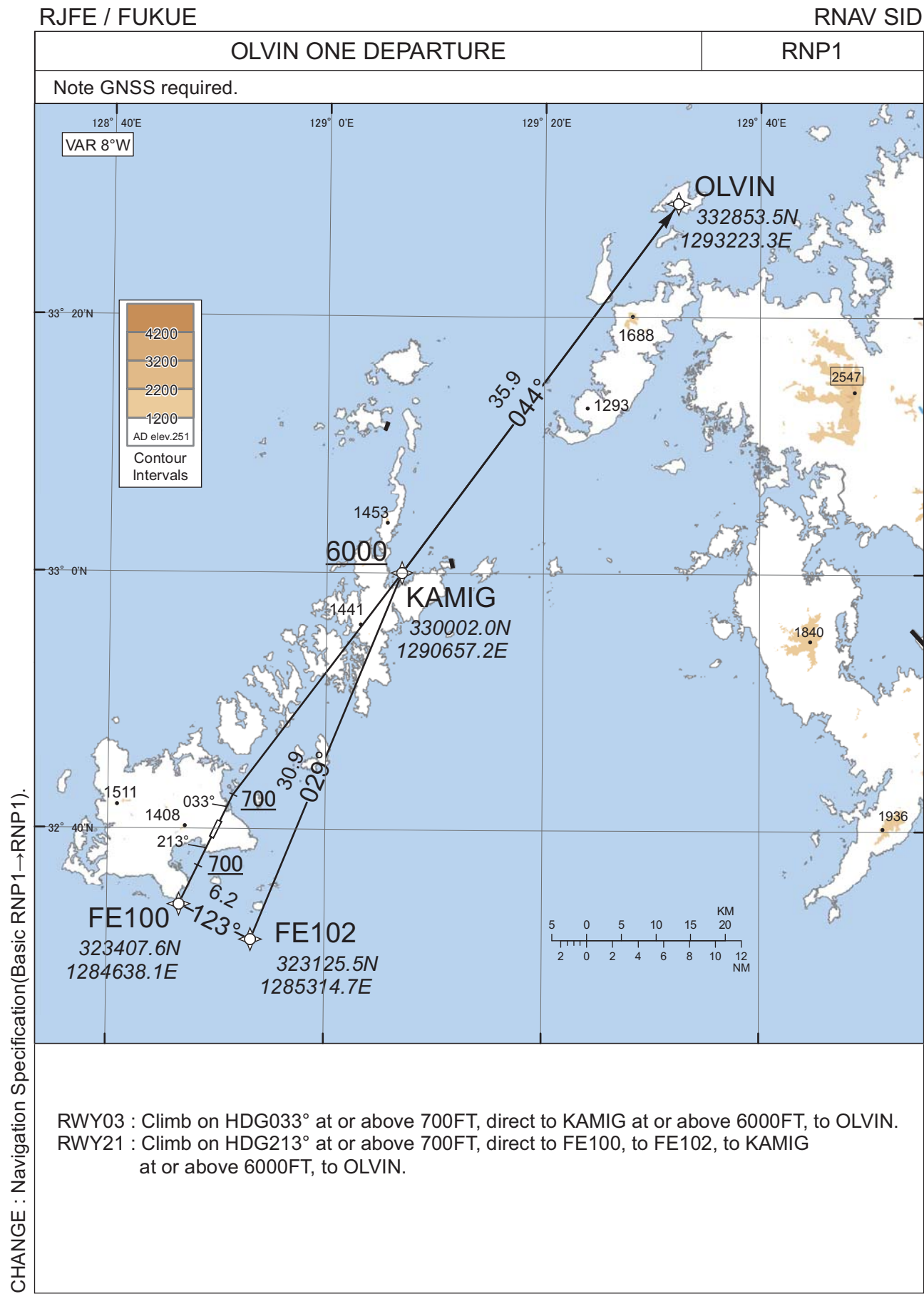
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE300	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	AGRIT	-	092 (084.9)	-7.5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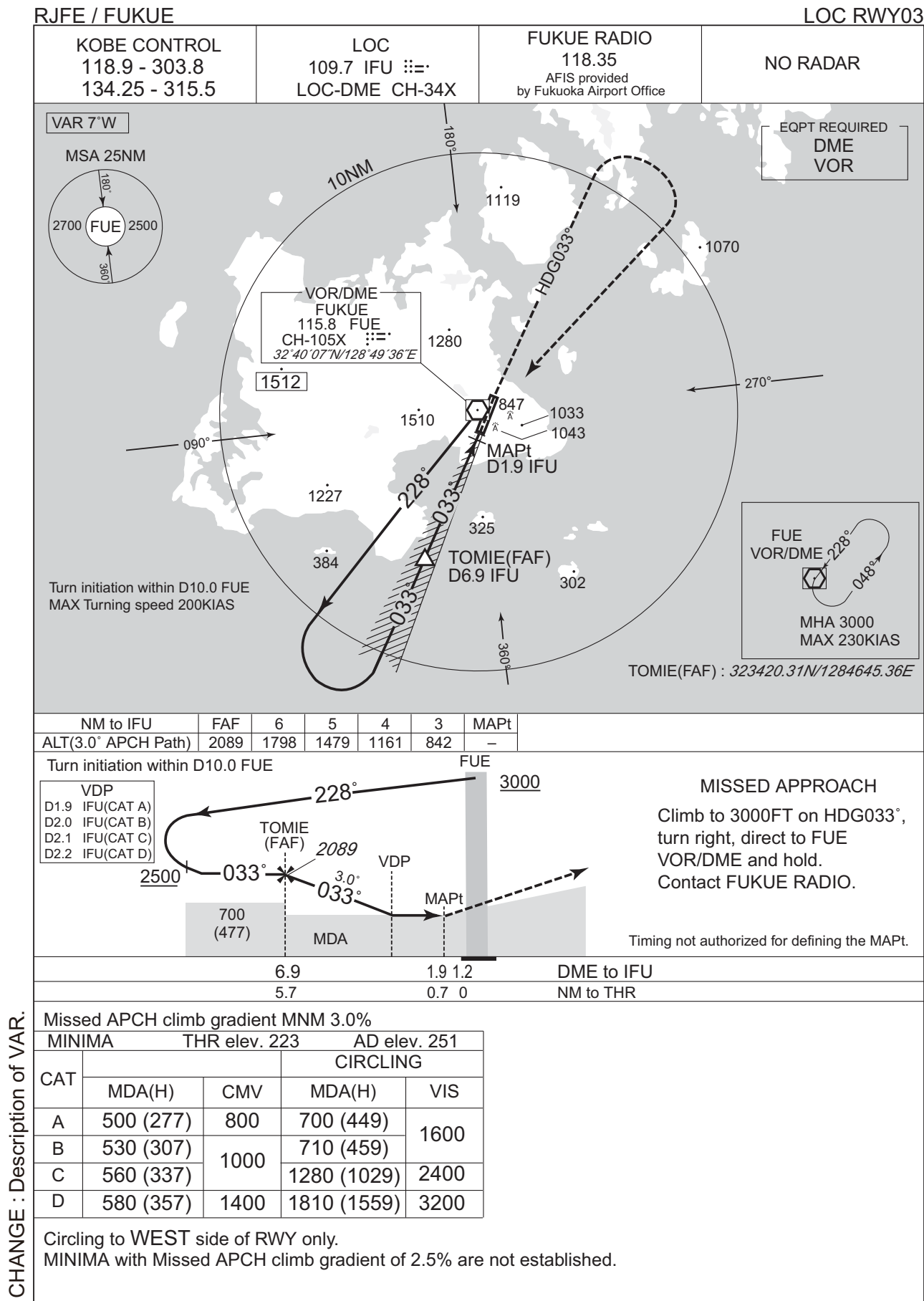
OLVIN ONE DEPARTURE

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

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

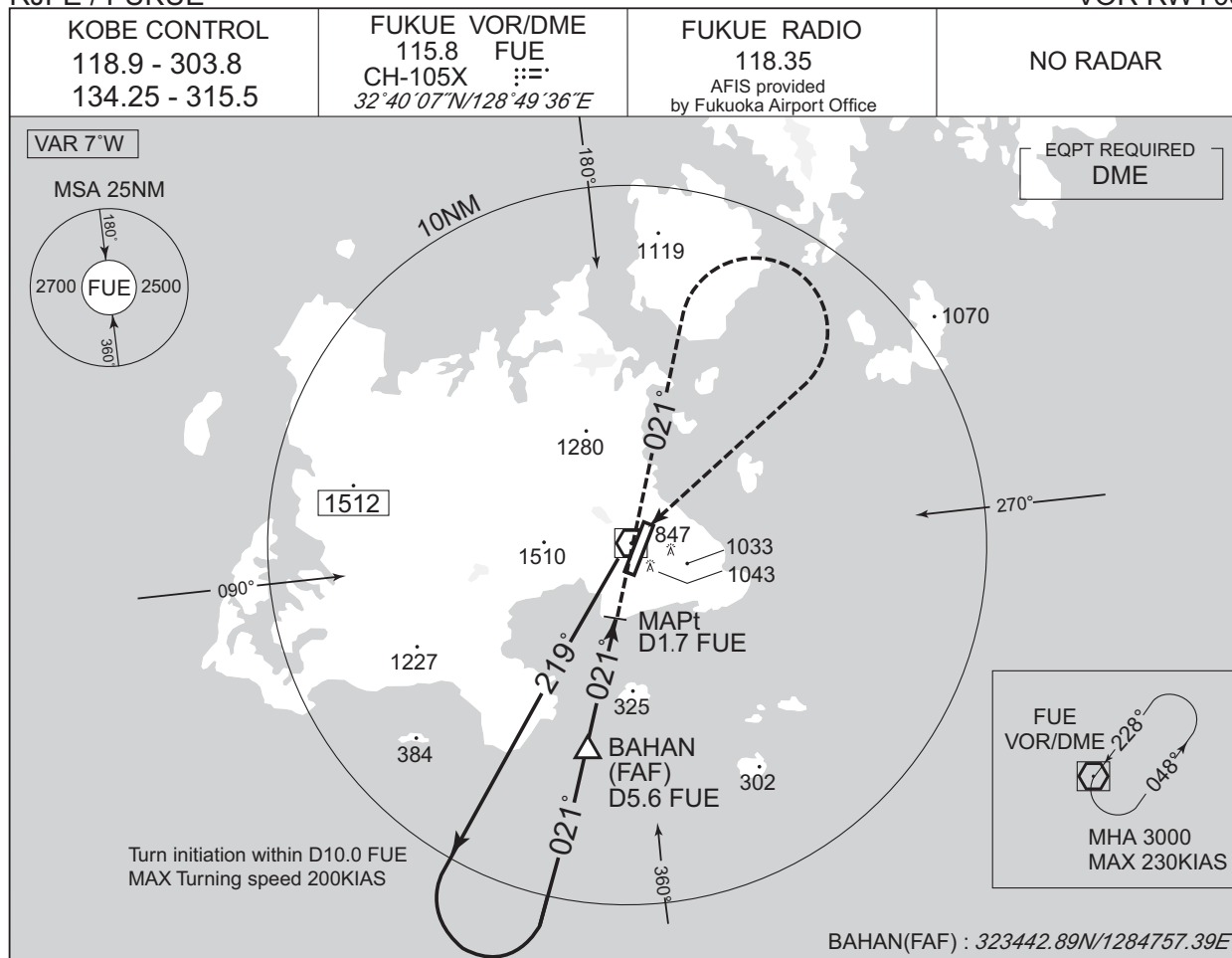
INSTRUMENT APPROACH CHART



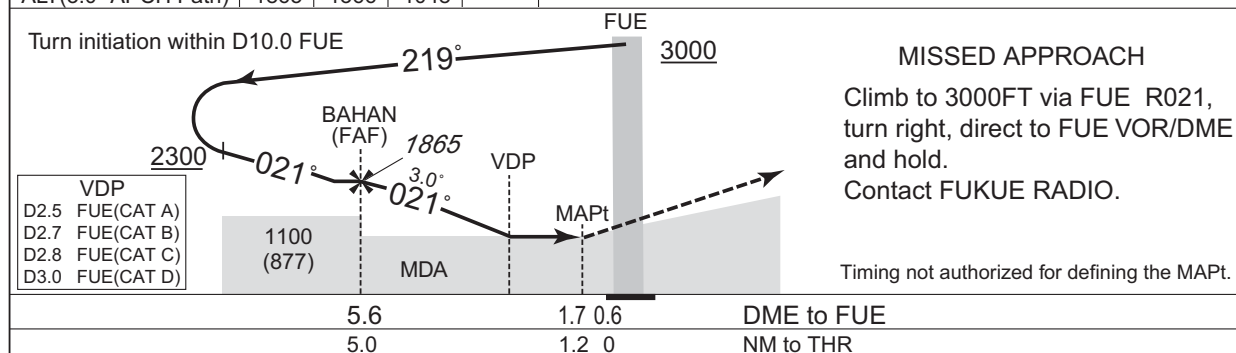
INSTRUMENT APPROACH CHART

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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

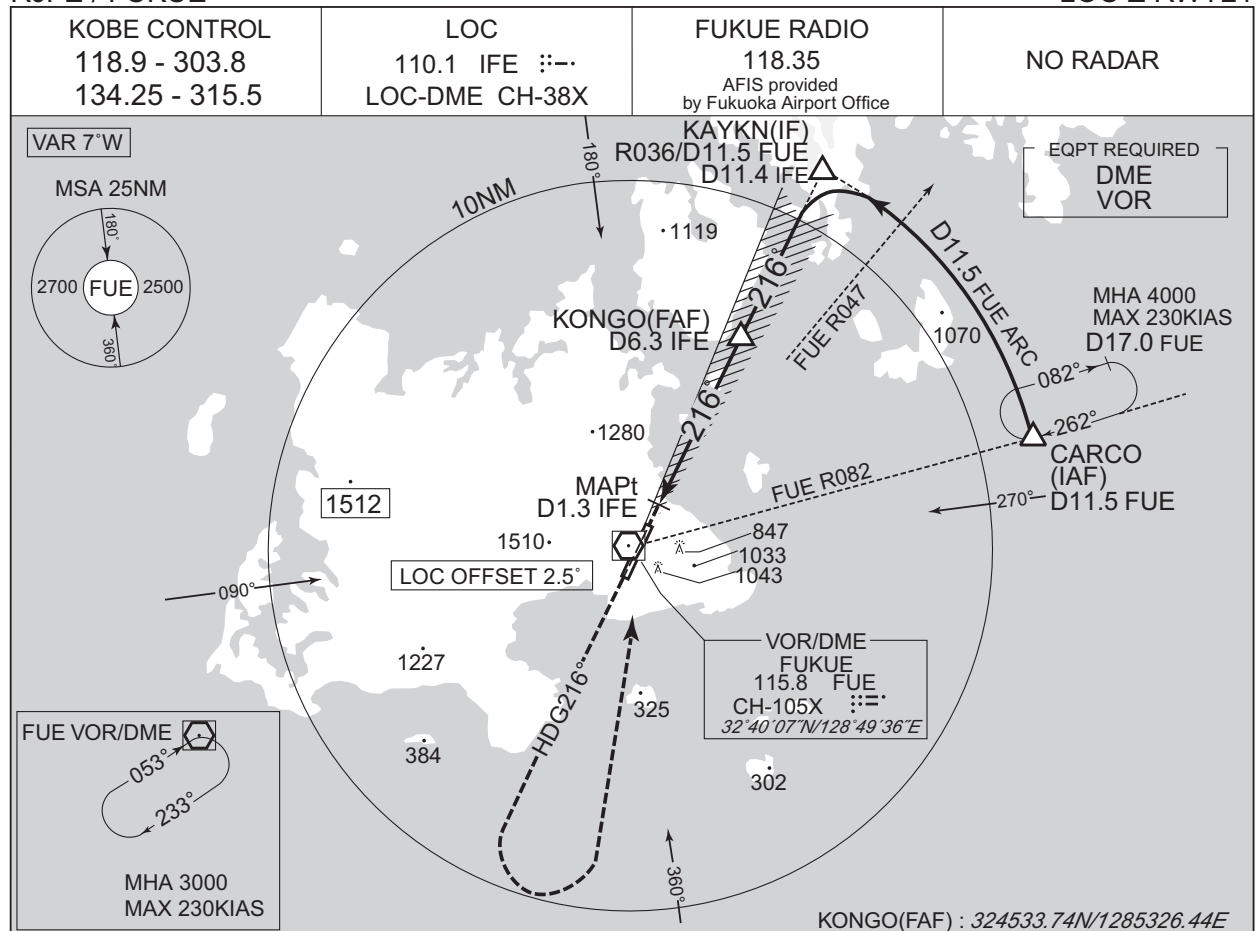
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

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LOC Z RWY21

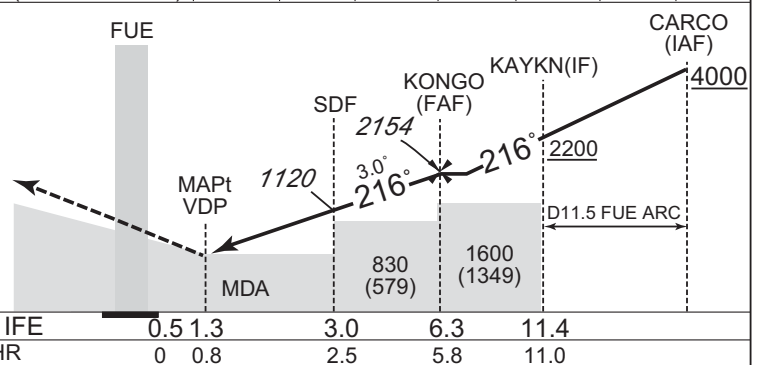


	NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	—	801	1120	1438	1756	2075	2154

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)

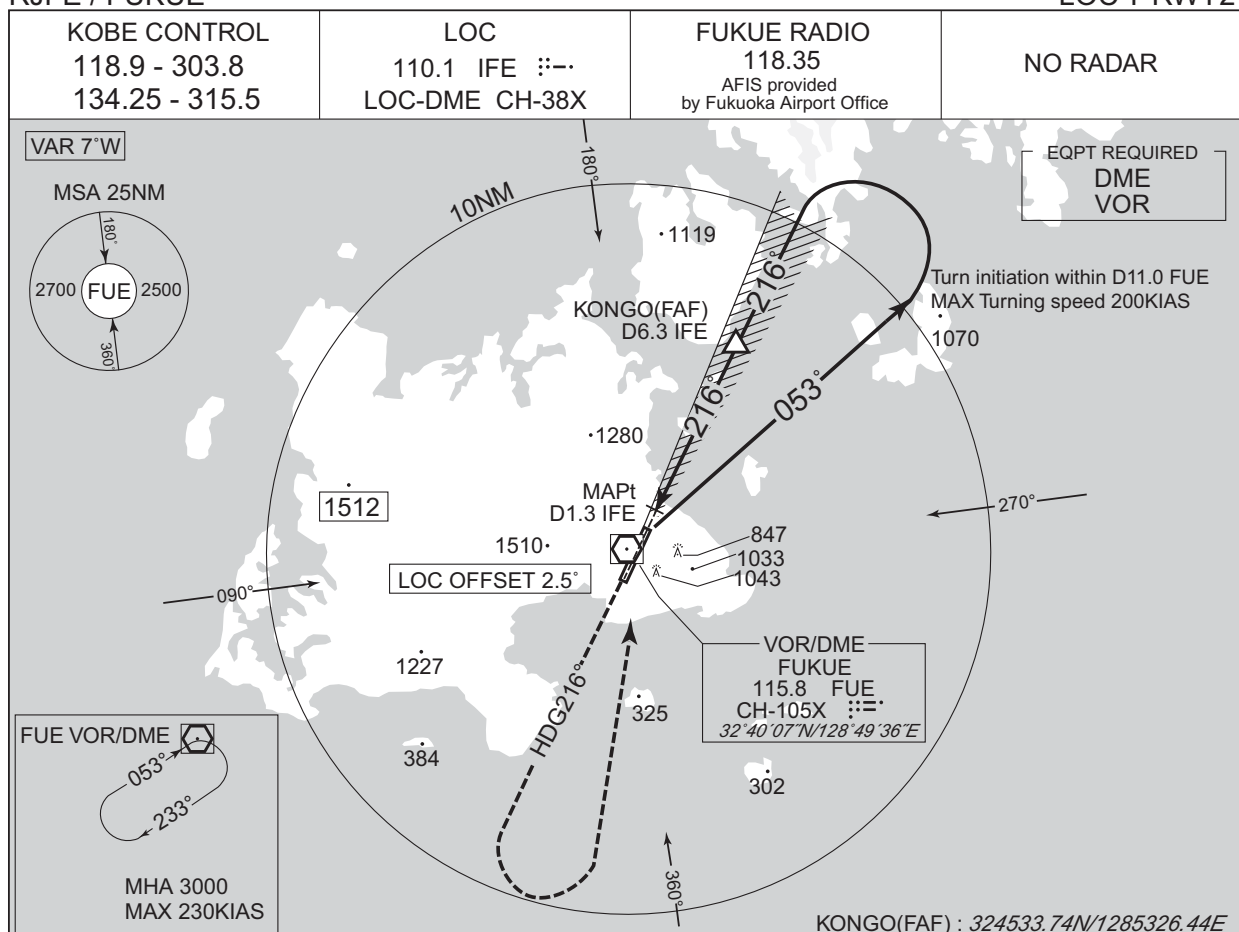
Circling to WEST side of RWY only.

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

INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Y RWY21

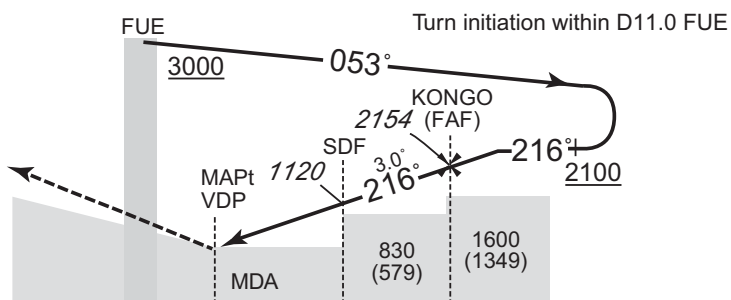


NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	801	1120	1438	1756	2075	2154

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.

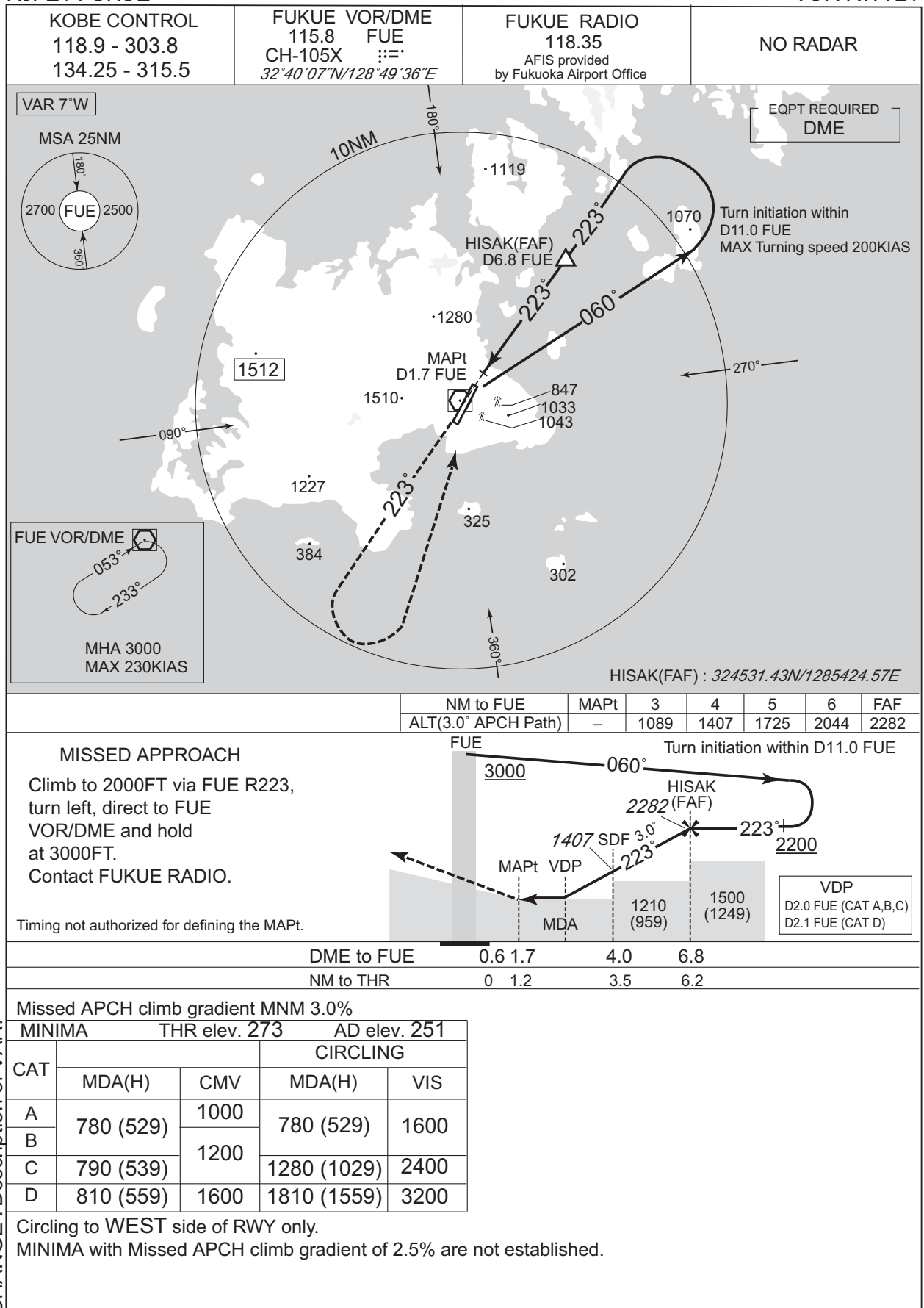
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

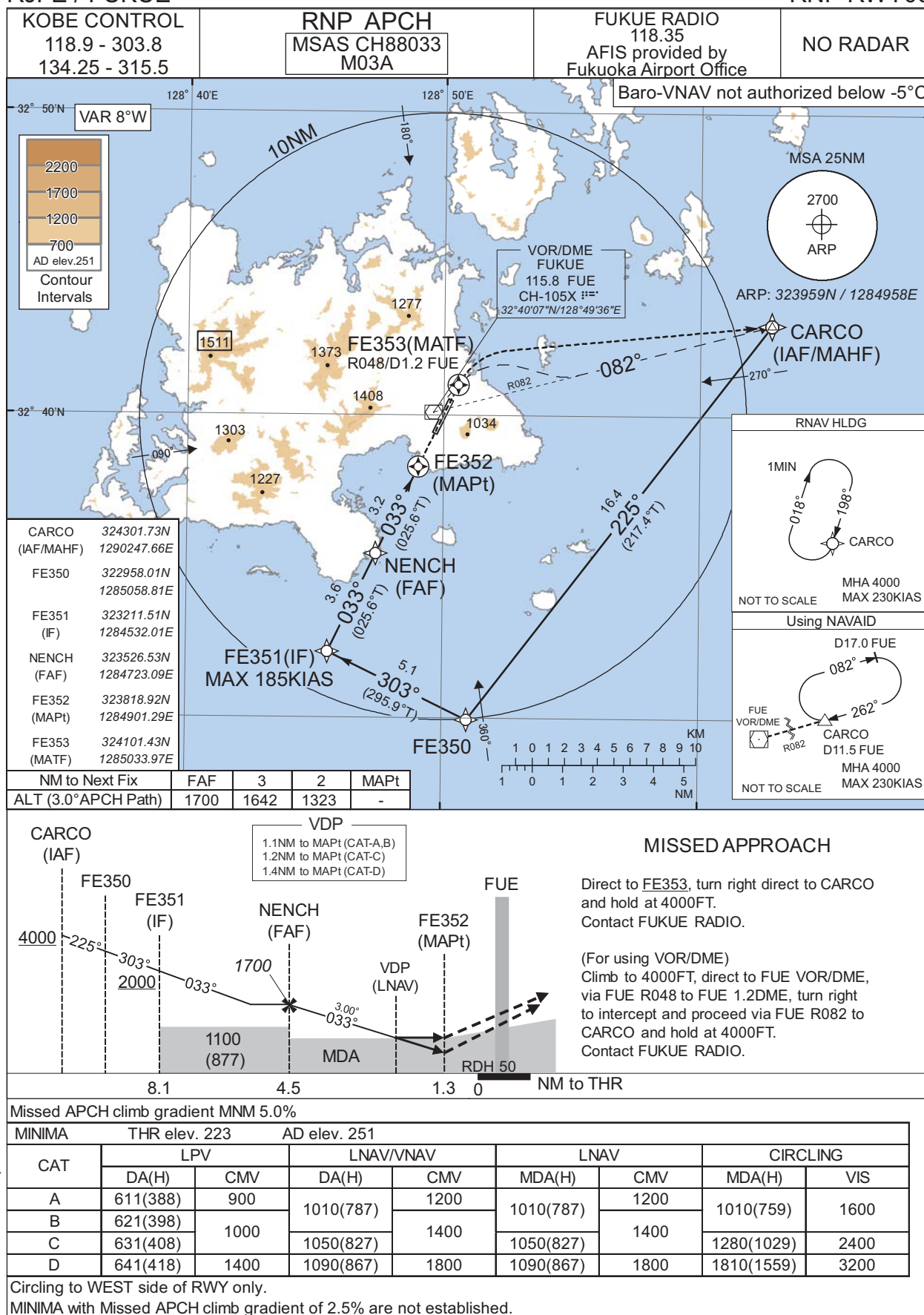
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VOR RWY21



RJFE / FUKUE

RNP RWY03



CHANGE : Description of VAR.

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

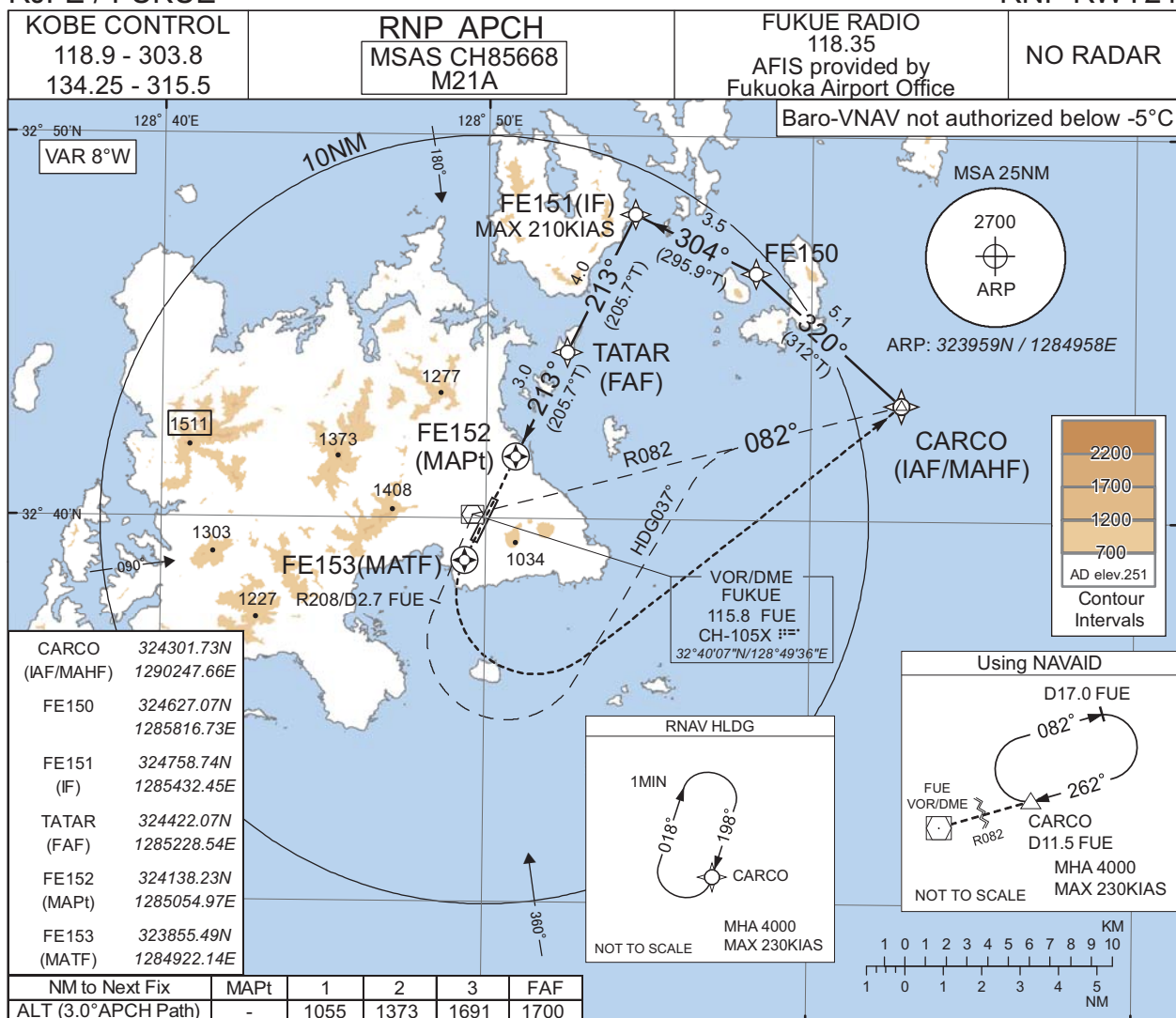
LTP/FTP orthometric height	67.7
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

RJFE / FUKUE

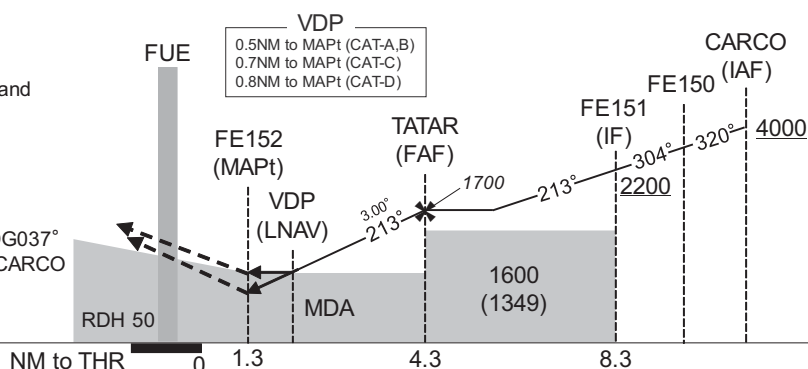
RNP RWY21



MISSED APPROACH

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

(For using VOR/DME)
Climb to 4000FT, direct to FUE VOR/DME, via FUE R208 to FUE 2.7DME, turn left HDG037° to intercept and proceed via FUE R082 to CARCO and hold.
Contact FUKUE RADIO.



Missed APCH climb gradient MNM 5.0%

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	930(657)	1400	930(679)	1400	1280(1029)	2400
C	741(468)	1600	970(697)	1800	970(719)	1800	1810(1559)	3200
D	751(478)							

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

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

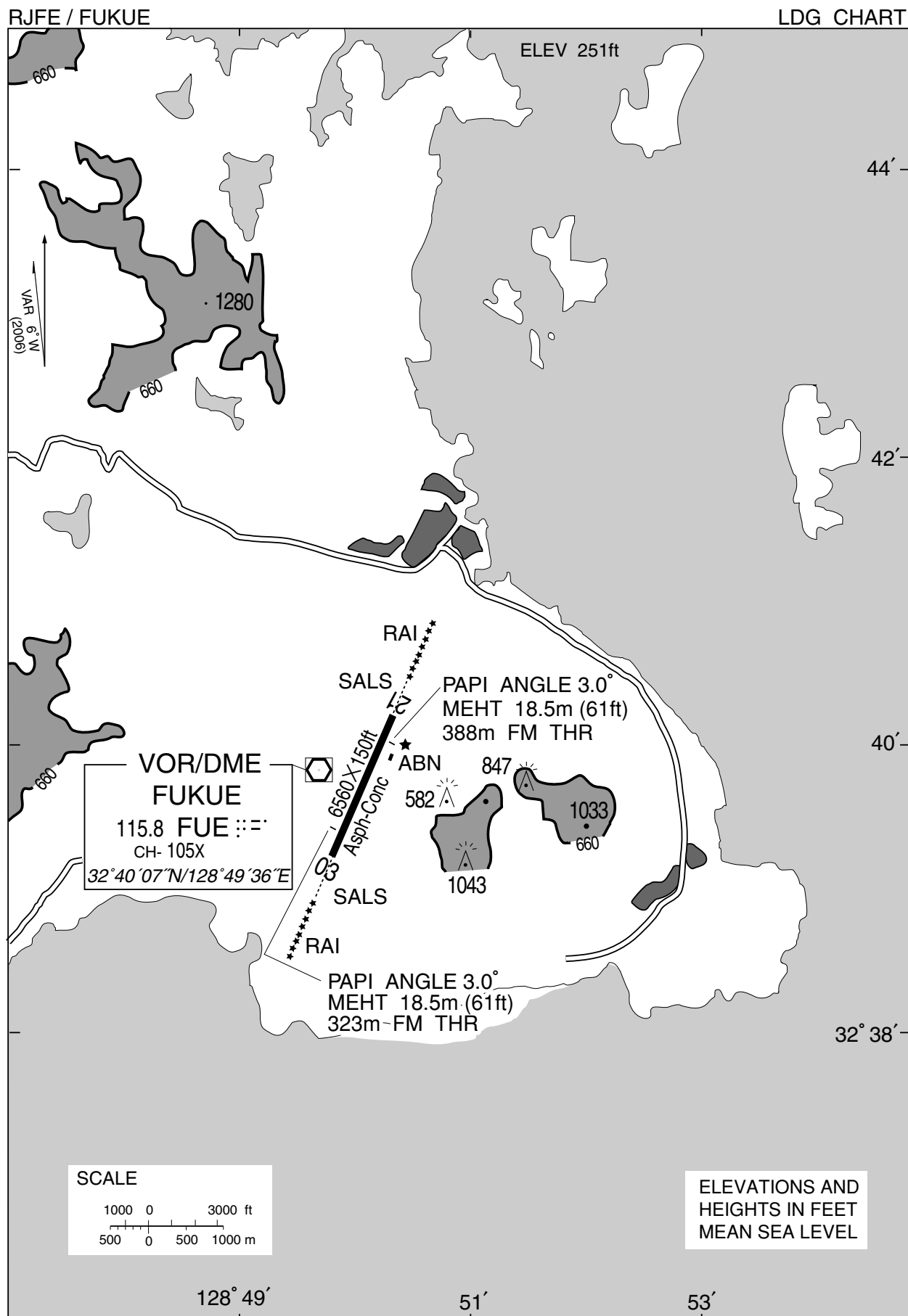
Visual REP



※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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