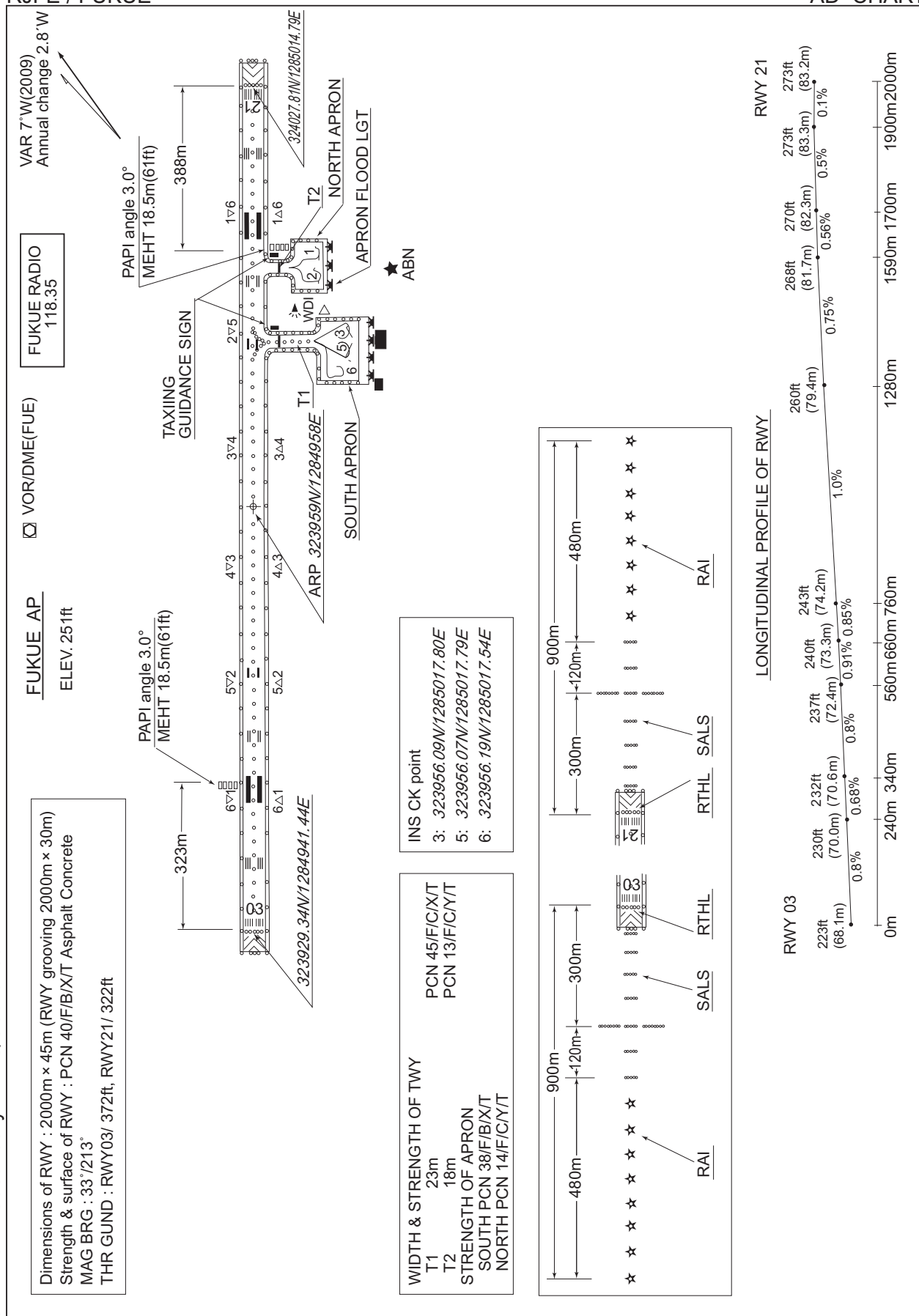


## RJFE / FUKUE

## AD CHART



**INTENTIONALLY LEFT BLANK**

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.

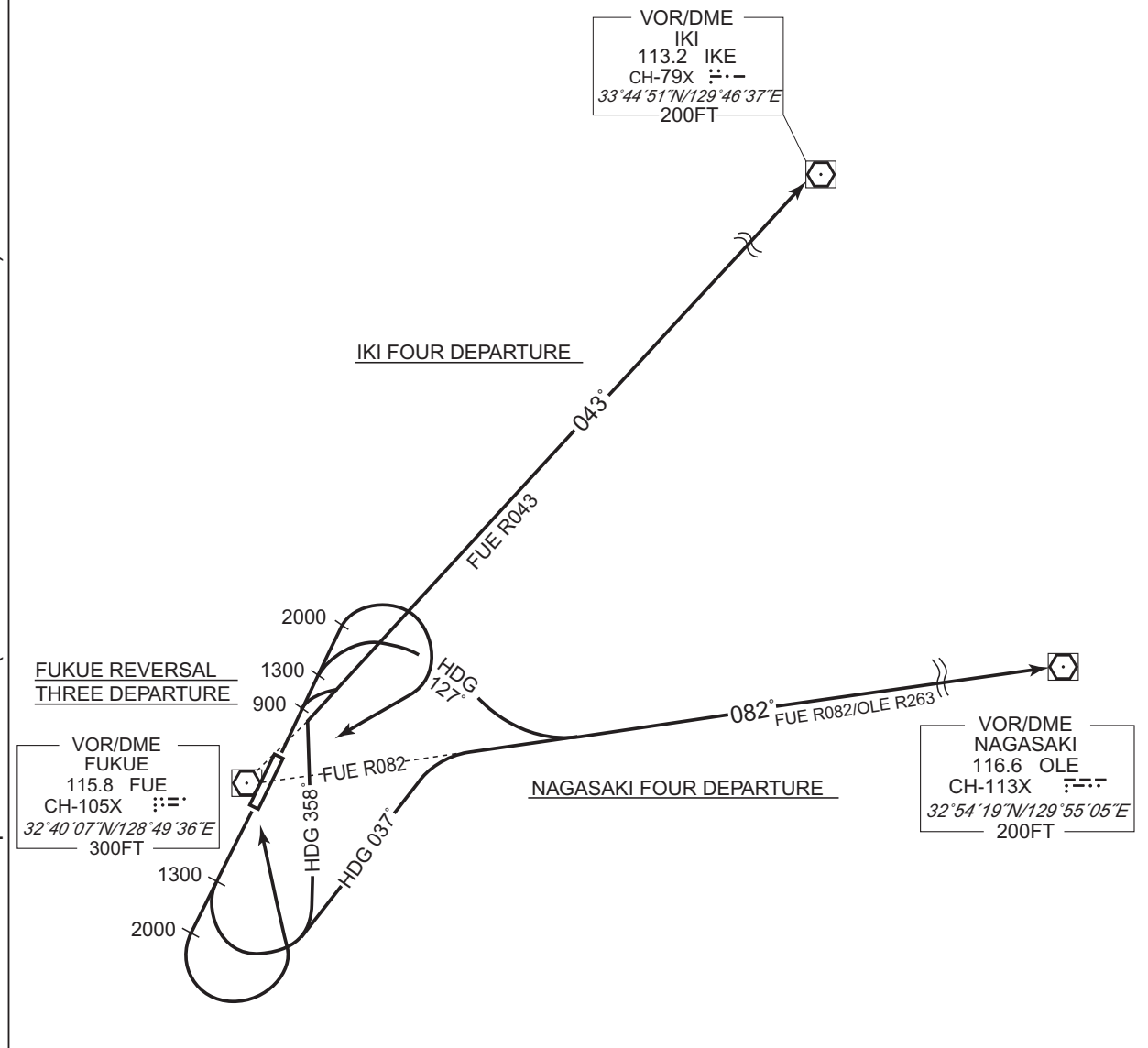
IKI FOUR DEPARTURE

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 to IKI 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 : Description of course(NAGASAKI FOUR DEPARTURE).



## STANDARD DEPARTURE CHART - INSTRUMENT

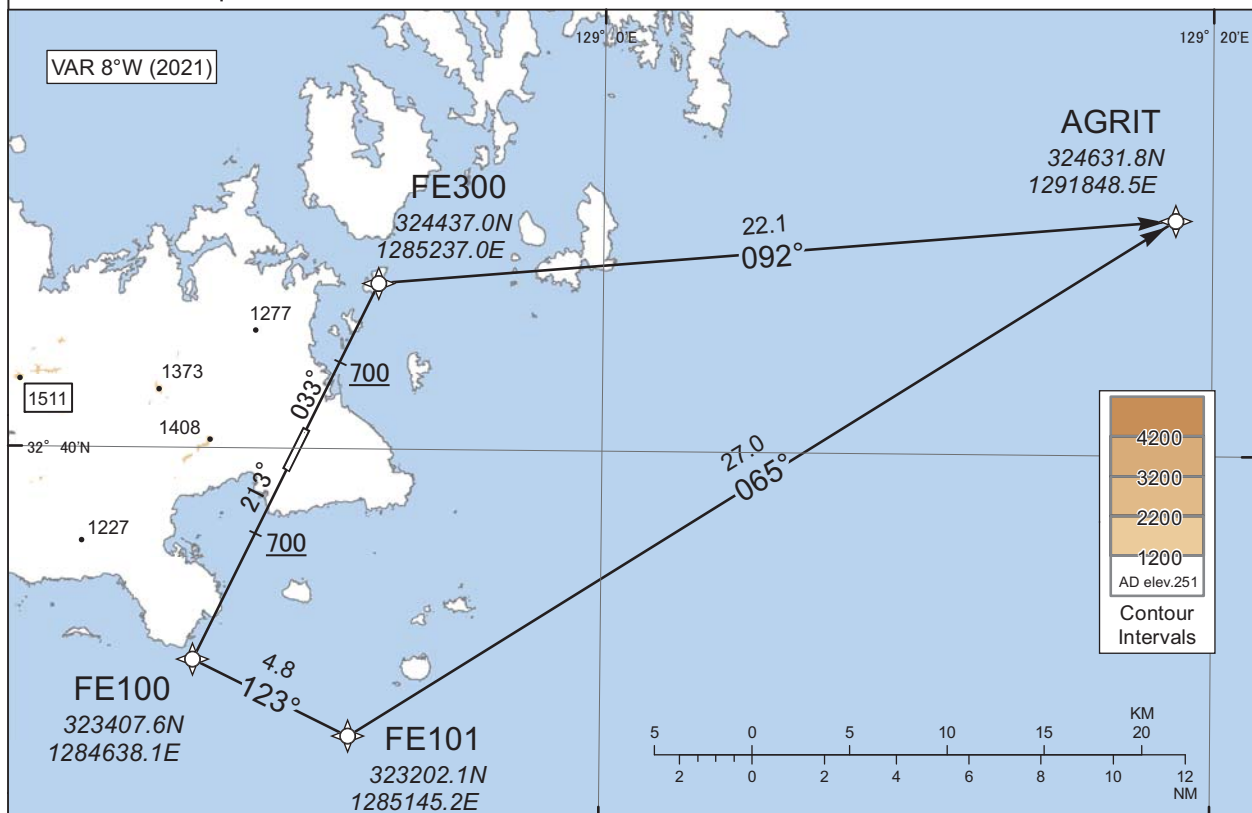
RJFE / FUKUE

RNAV SID

## AGRIT ONE DEPARTURE

Basic RNP1

Note GNSS required.



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

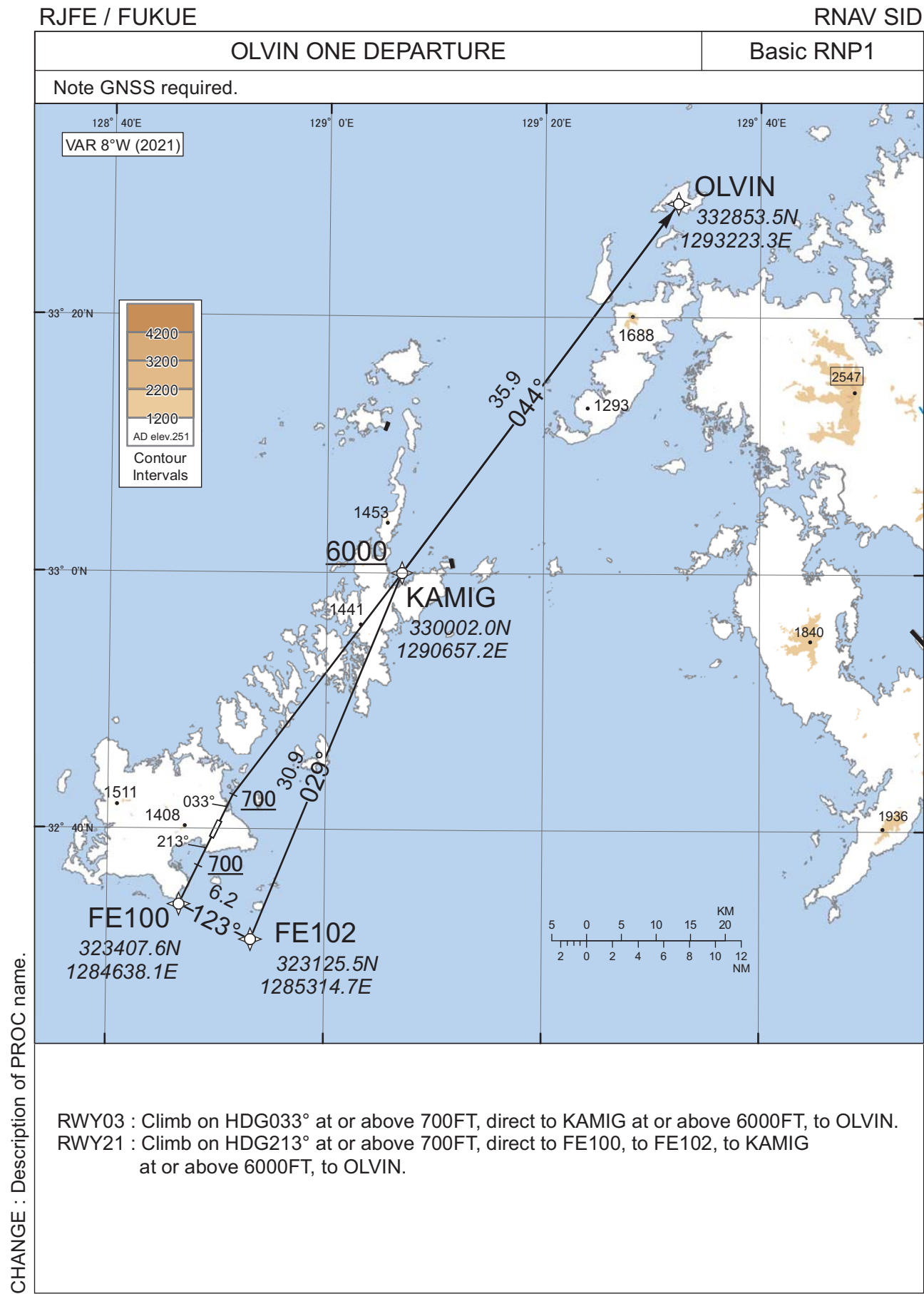
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	Basic RNP1
002	DF	FE300	-	-	-7.5	-	-	-	-	-	Basic RNP1
003	TF	AGRIT	-	092 (084.9)	-7.5	22.1	-	-	-	-	Basic 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	-	-	Basic RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	Basic RNP1
003	TF	FE101	-	123 (115.8)	-7.5	4.8	-	-	-	-	Basic RNP1
004	TF	AGRIT	-	065 (057.4)	-7.5	27.0	-	-	-	-	Basic RNP1

CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT



Civil Aviation Bureau,Japan (EFF:29 DEC 2022)

1/12/22

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

RNAV SID

OLVIN ONE DEPARTURE

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

CHANGE : New PROC.

## RJFE / FUKUE

LOC RWY03



NM to IFU	6	5	4	3	MAPt	
ALT(3.0° APCH Path)	2089	1798	1479	1161	842	—

Turn initiation within D10.0 FUE

VDP

D1.9 IFU(CAT A)

D2.0 IFU(CAT B)

D2.1 IFU(CAT C)

D2.2 IFU(CAT D)

**MISSED APPROACH**

Climb to 3000FT on HDG033°,  
turn right, direct to FUE  
VOR/DME and hold.  
Contact FUKUE RADIO.

6.9	1.9	1.2	DME to IFU
5.7	0.7	0	NM to THR

Timing not authorized for defining the MAPt.

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.

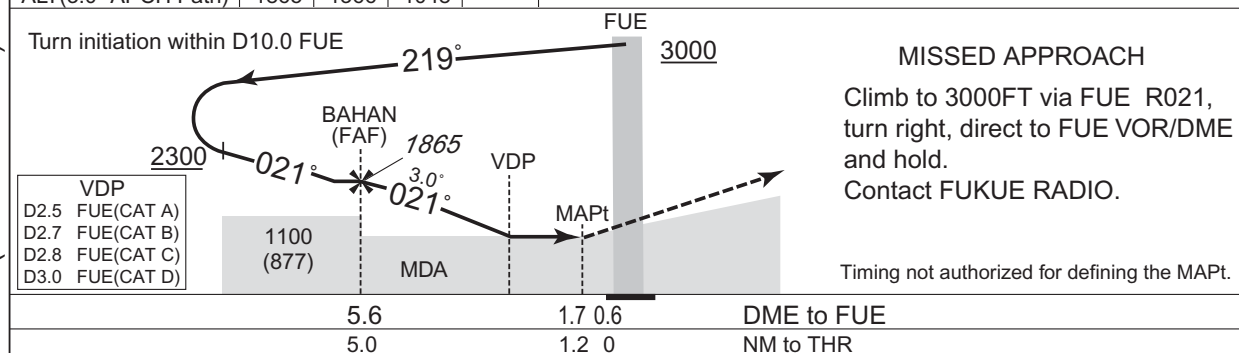
## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03



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



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.

CHANGE : Secondary FREQ abolished(FUKUE RADIO).



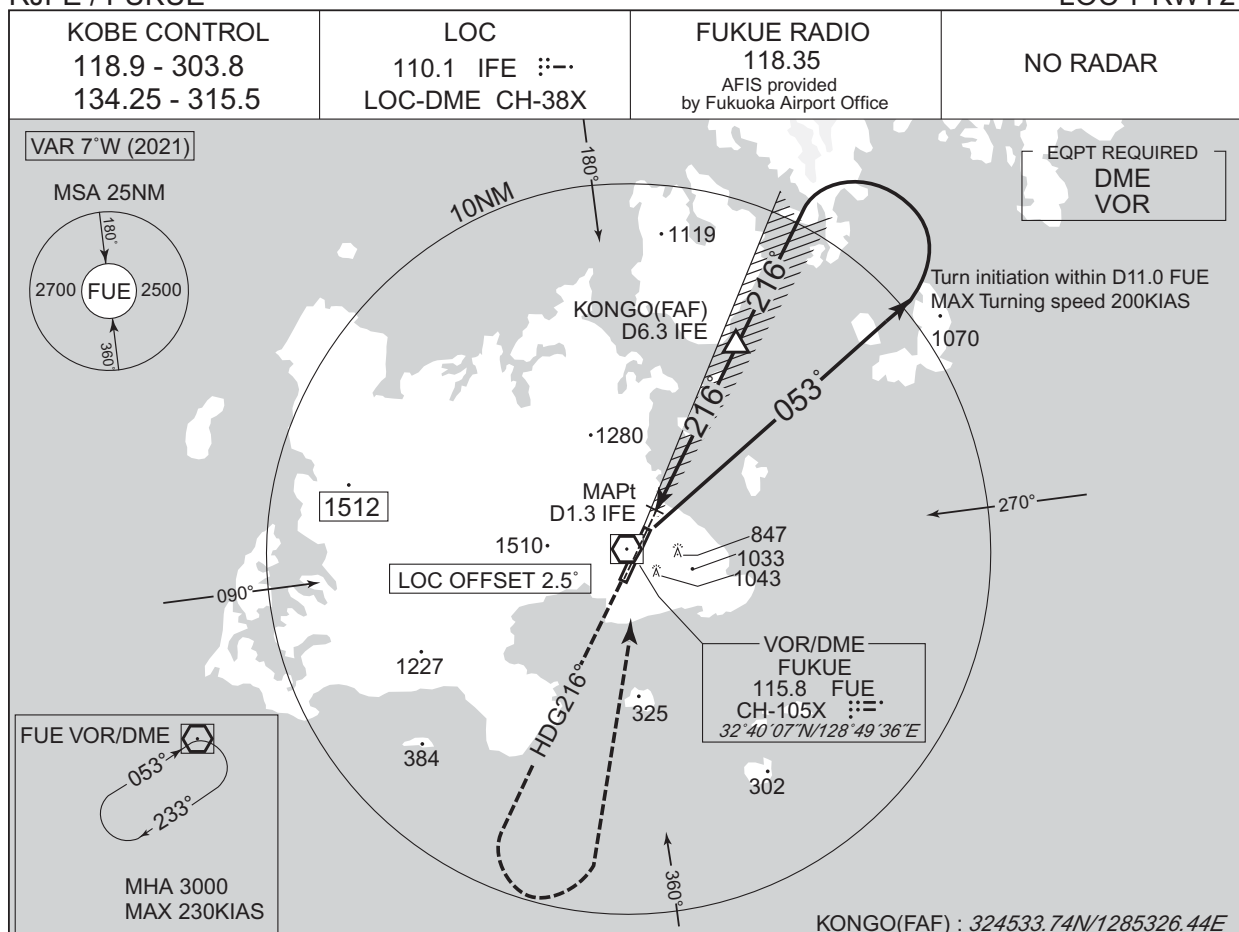
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

LOC Y RWY21

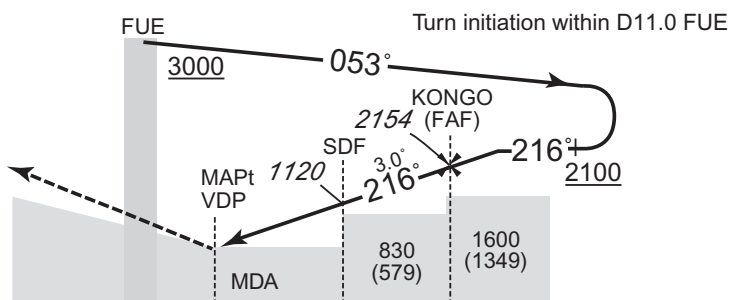


NM to IFE	MAPt	2	3	4	5	6	FAF
ALT(3.0° APCH Path)	—	801	1120	1438	1756	2075	2154

## 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 : VAR. PROC course. MISSED APPROACH course.

## INSTRUMENT APPROACH CHART



**INTENTIONALLY LEFT BLANK**

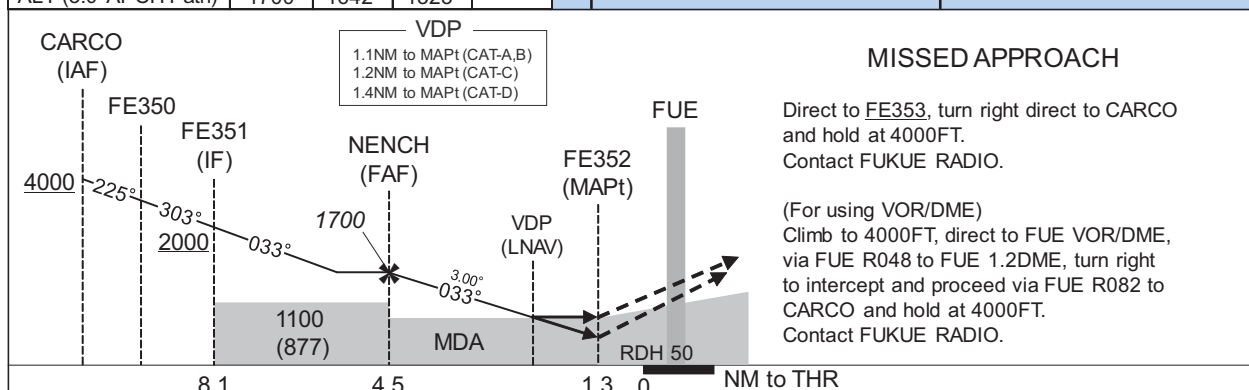
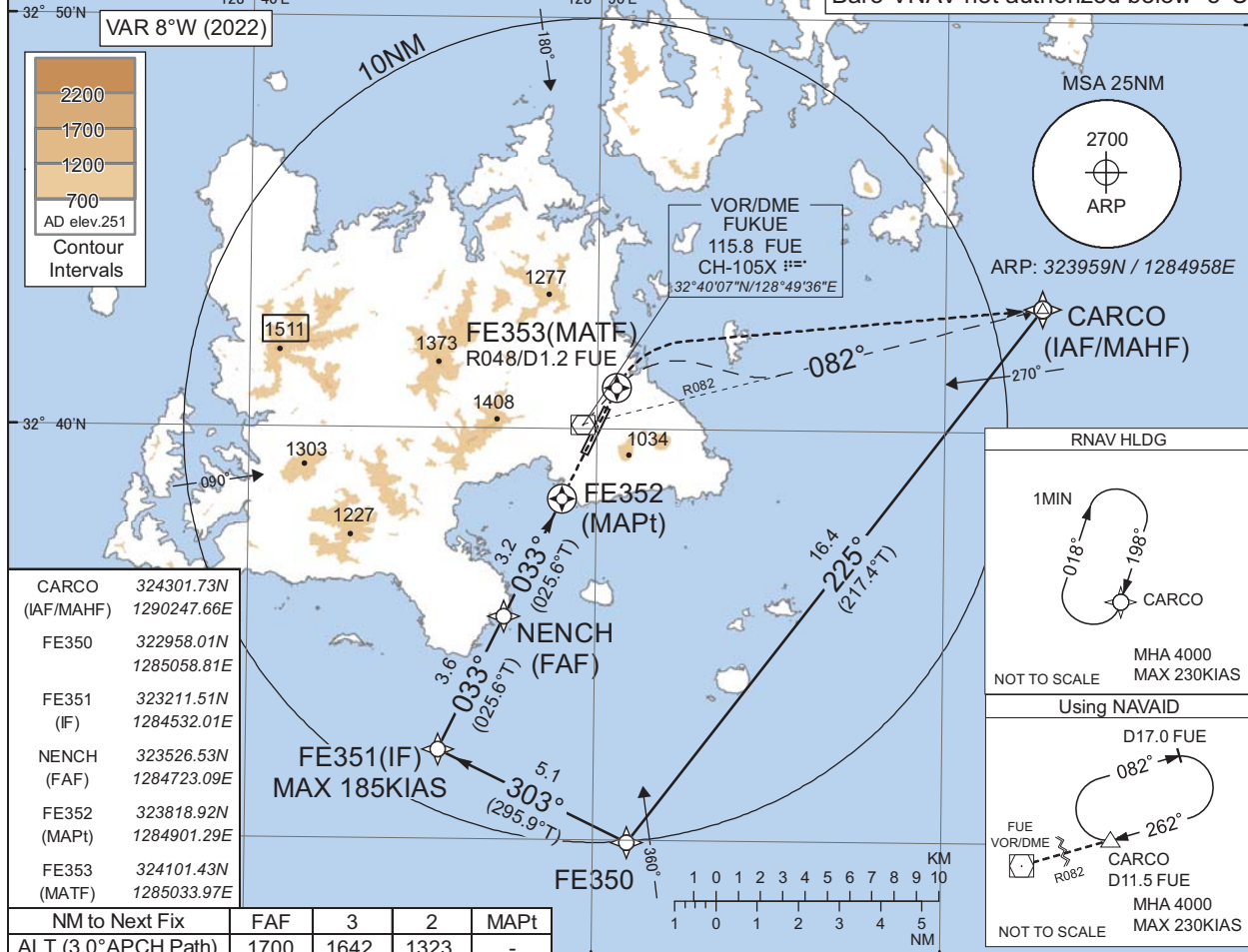
## INSTRUMENT APPROACH CHART

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

Baro-VNAV not authorized below -5°C



## MISSED APPROACH

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

(For using VOR/DME)  
Climb to 4000FT, direct to **FUE** VOR/DME, via **FUE R048** to **FUE 1.2DME**, turn right to intercept and proceed via **FUE R082** to **CARCO** and hold at 4000FT.  
Contact FUKUE RADIO.

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 223		AD elev. 251					
CAT	LPV		LNAV/VNAV		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 : MSAS CH added. VAR. RNAV HLDG course. Missed APCH. MINIMA for LPV established.

## 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).

## RJFE / FUKUE

**KOBEO CONTROL**  
118.9 - 303.8  
134.25 - 315.5

**RNP APCH**  
MSAS CH85668  
M21A

**FUKUE RADIO**  
118.35  
AFIS provided by  
Fukuoka Airport Office

**NO RADAR**

Baro-VNAV not authorized below -5°C

VAR 8°W (2022)

10NM

FE151(IF)  
MAX 210KIAS

FE150

TATAR  
(FAF)

FE152  
(MAPt)

FE153(MATF)

R208/D2.7 FUE

CARCO  
(IAF/MAHF)

VOR/DME  
FUKUE  
115.8 FUE  
CH-105X #1=

RNAV HLDG

MHA 4000  
MAX 230KIAS

Using NAV AID

D17.0 FUE

082°

262°

FUE  
VOR/DME

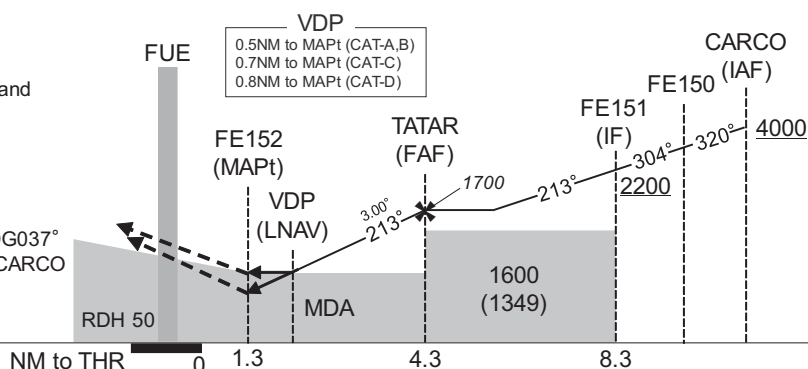
CARCO  
D11.5 FUE  
MHA 4000  
MAX 230KIAS

NOT TO SCALE

NM to Next Fix	MAPt	1	2	3	FAF
ALT (3.0°APCH Path)	-	1055	1373	1691	1700

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%

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)	2400
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.

## 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

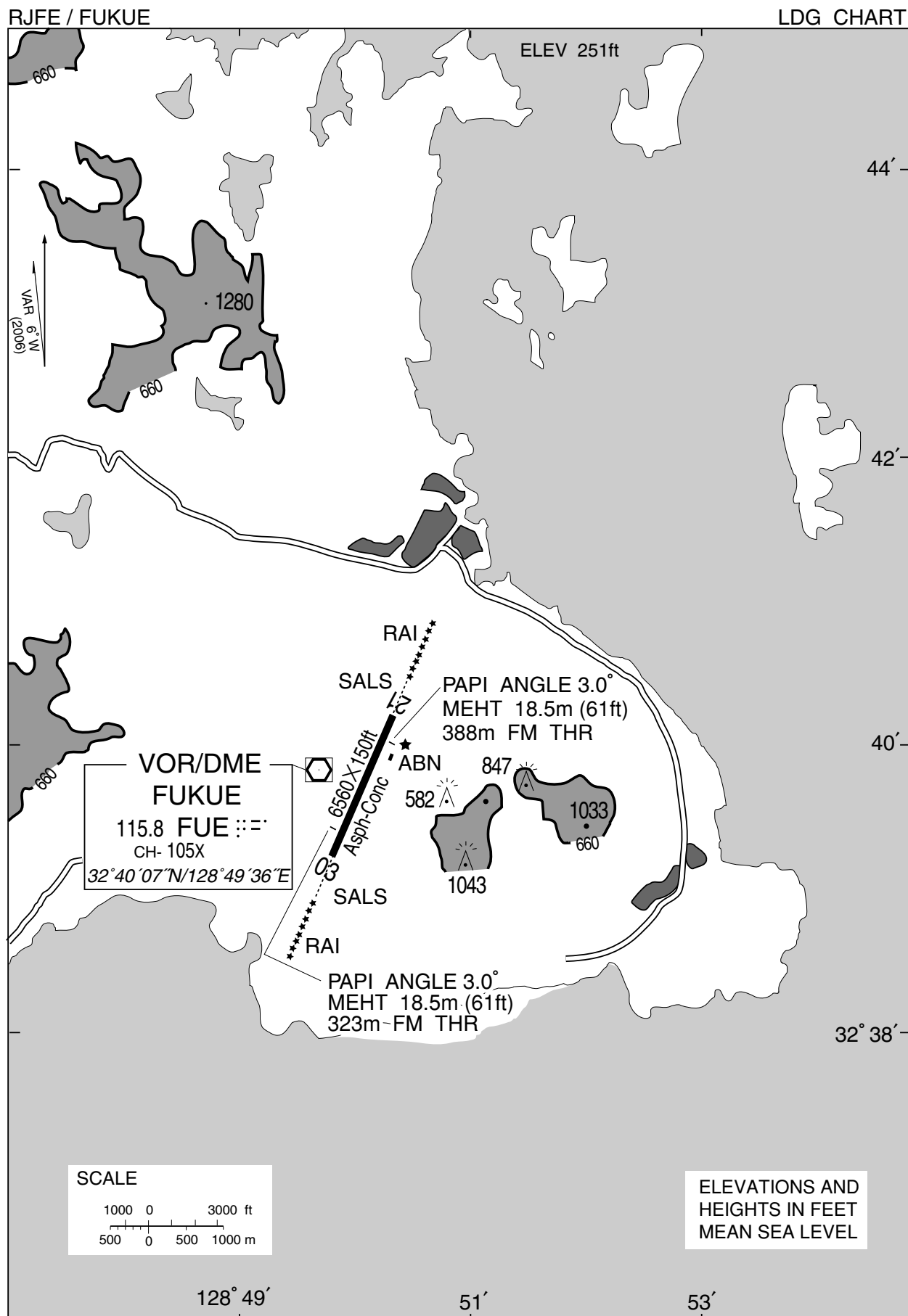
Visual REP



※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



RJFE / FUKUE

Minimum Vectoring Altitude CHART

CHANGE : Shape of segment.



**INTENTIONALLY LEFT BLANK**