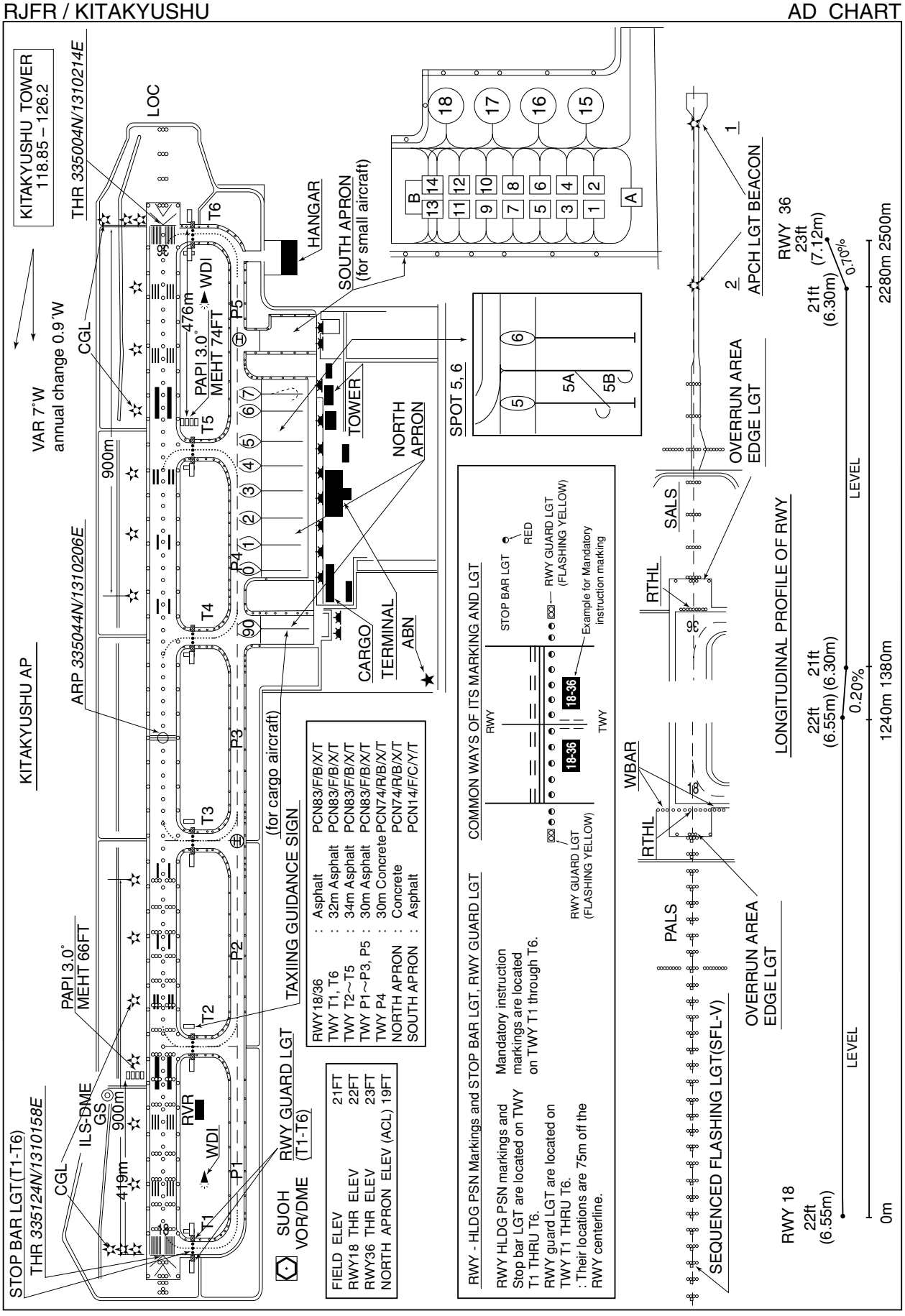
RJFR / KITAKYUSHU AD CHART



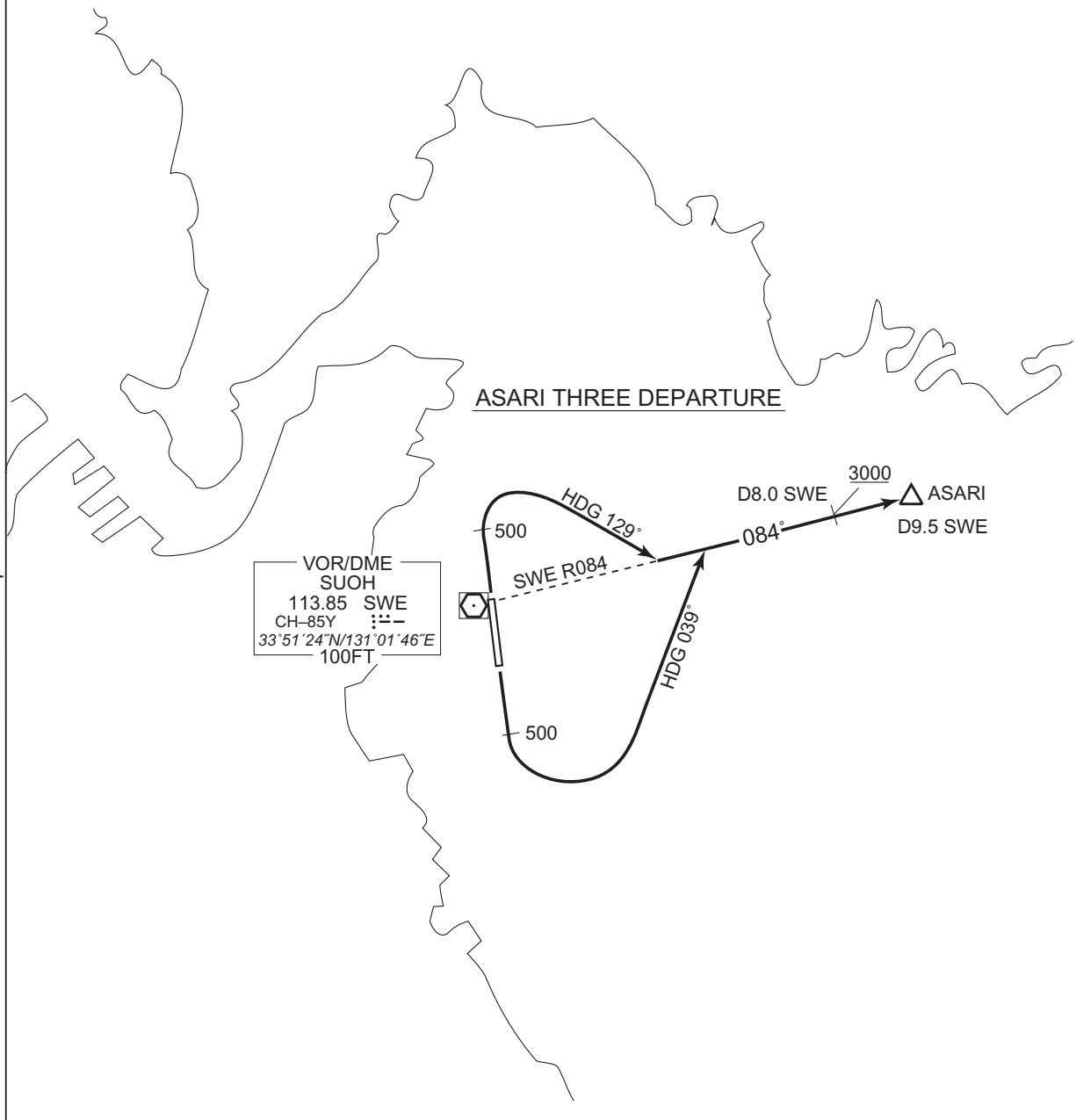
STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU SID

ASARI THREE DEPARTURE

RWY 18 : Climb RWY HDG to 500FT, turn left HDG039˚,...
RWY 36 : Climb RWY HDG to 500FT, turn right HDG129˚, ...
...to intercept and proceed via SWE R084 to ASARI.
Cross SWE 8.0DME at or above 3000FT.

Note RWY18 : 5.8% climb gradient required up to 500FT due to airspace restrictions only.
RWY36 : 4.0% climb gradient required up to 500FT due to airspace restrictions only.



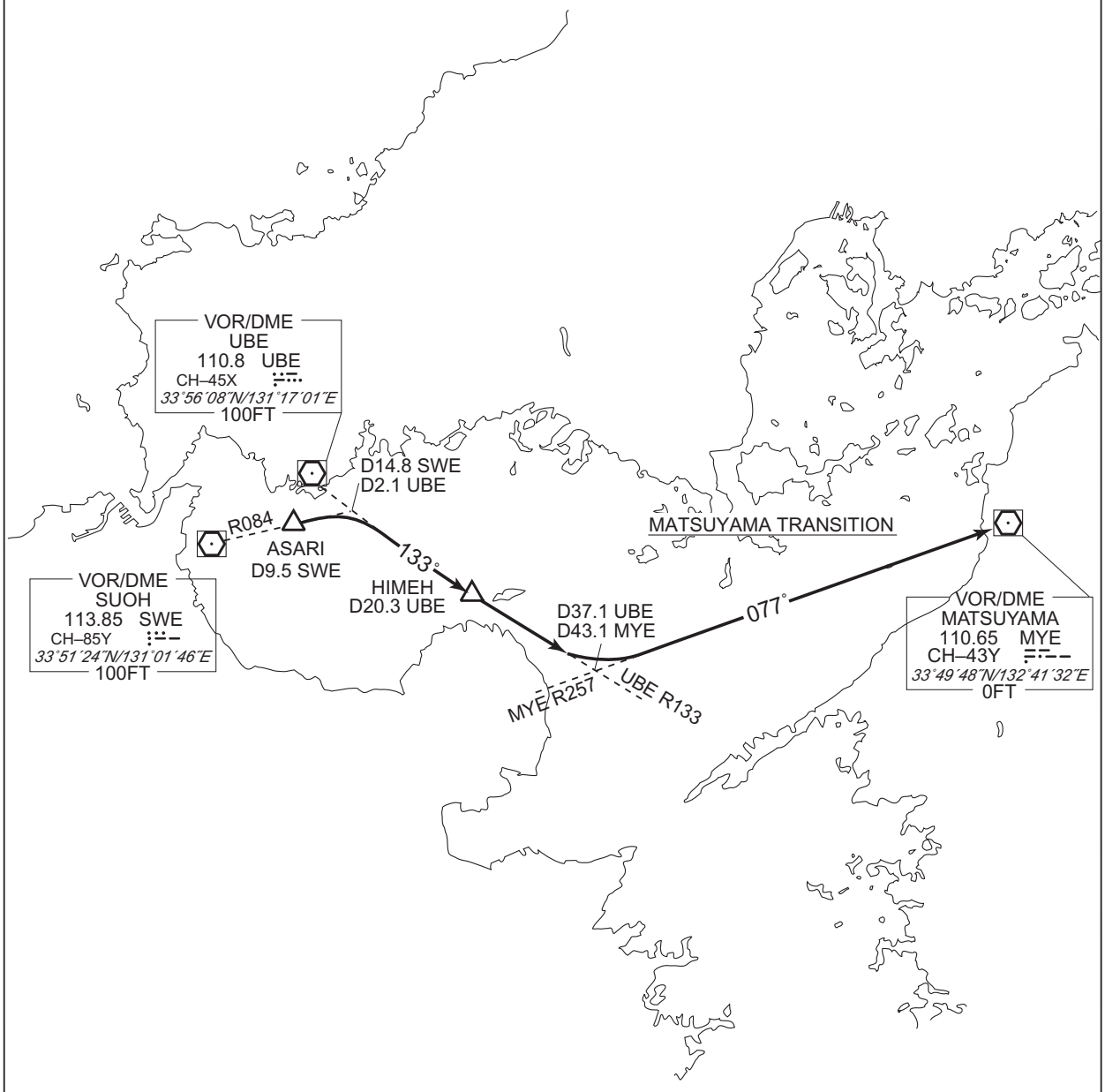
CHANGE : PROC renamed. Radial FM SWE. HDG to intercept SWE R084.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU TRANSITION

MATSUYAMA TRANSITION

From over ASARI, via SWE R084 to intercept and proceed via UBE R133 to HIMEH, via UBE R133 to intercept and proceed via MYE R257 to MYE VOR/DME.



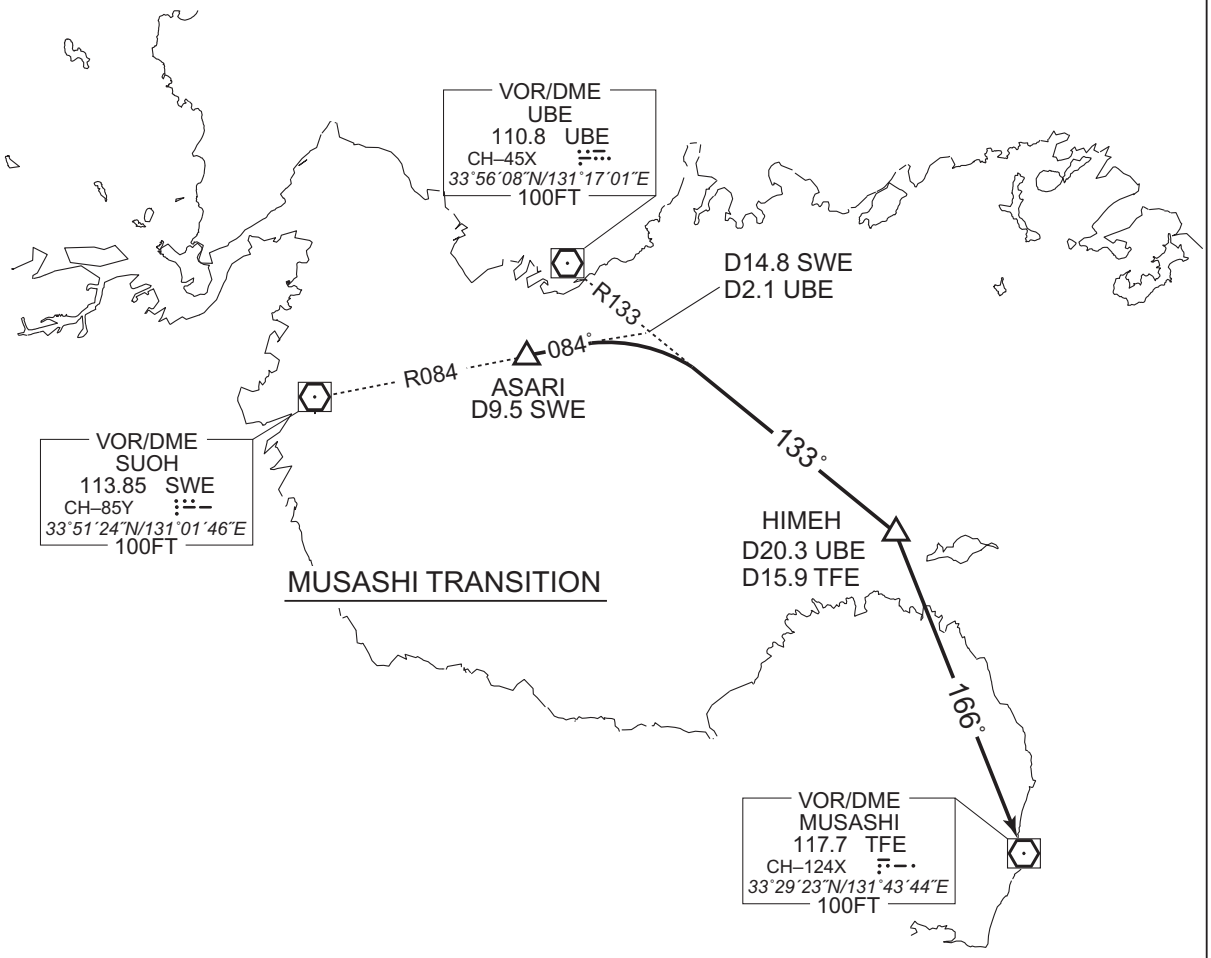
CHANGE : Radial FM SWE.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU TRANSITION

MUSASHI TRANSITION

From over ASARI, via SWE R084 to intercept and proceed via UBE R133 to HIMEH, via TFE R346 to TFE VOR/DME.



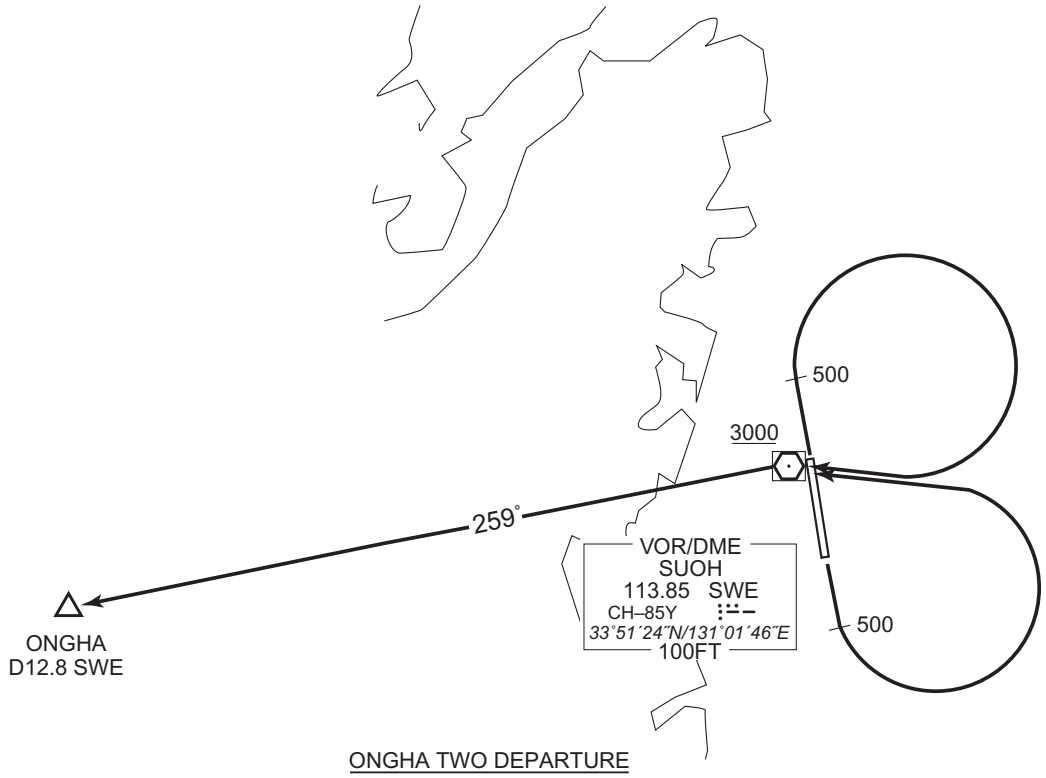
CHANGE : Radial FM SWE.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU SID

ONGHA TWO DEPARTURE

RWY 18 : Climb RWY HDG to 500FT, turn left,...
RWY 36 : Climb RWY HDG to 500FT, turn right,...
...direct to SWE VOR/DME, proceed via SWE R259 to ONGHA.
Cross SWE VOR/DME at or above 3000FT.
Note RWY18 : 5.8% climb gradient required up to 500FT due to airspace restrictions only.
RWY36 : 4.0% climb gradient required up to 500FT due to airspace restrictions only.



CHANGE : PROC renamed. Radial FM SWE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU — RNAV SID and TRANSITION

KOHEI ONE DEPARTURE
DOUGO TRANSITION

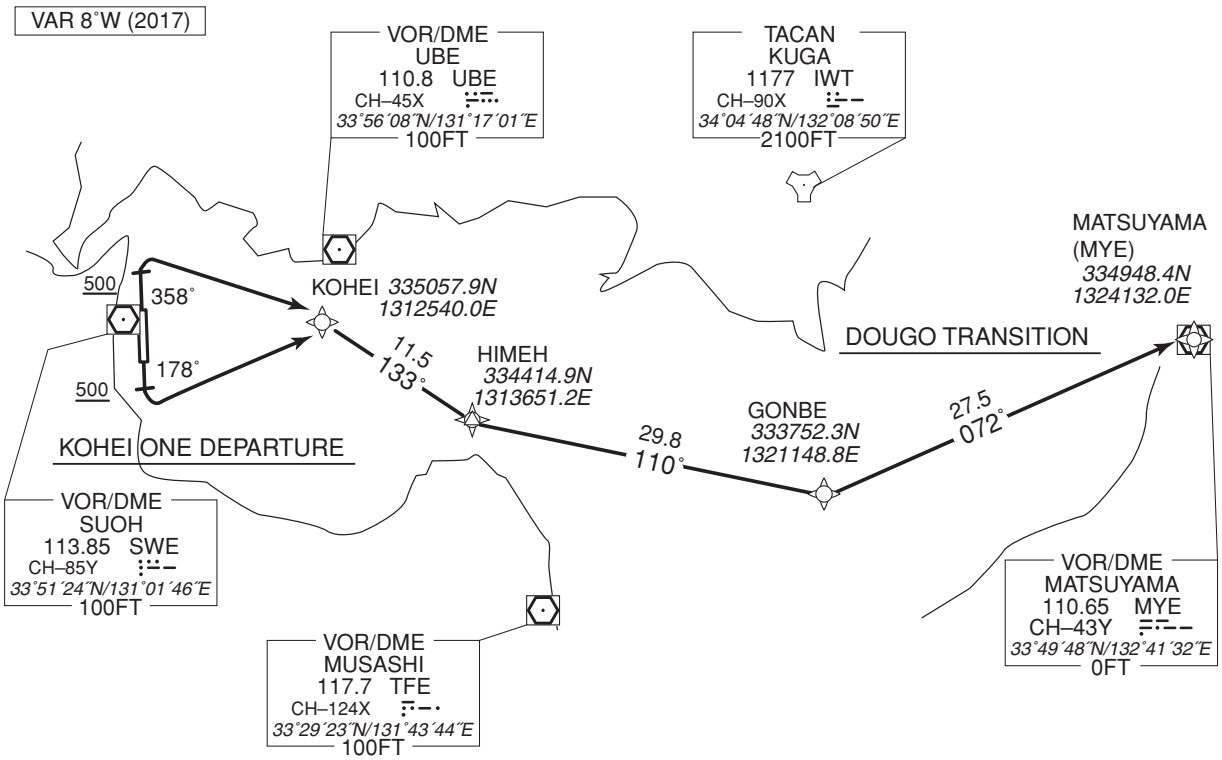
RNAV1

Note 1) DME/DME/IRU or GNSS required.

※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.

2) RADAR service required.

Critical DME	RWY18 : SWE : 2.0NM from DER - 12.0NM to KOHEI UBE : 16.0NM to KOHEI - KOHEI RWY36 : UBE : 12.0NM to KOHEI - KOHEI
DME GAP	RWY18 : DER - 2.0NM from DER RWY36 : DER - 12.0NM to KOHEI
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



KOHEI ONE DEPARTURE

RWY18 : Climb on HDG178° at or above 500FT, turn left direct to KOHEI.

RWY36 : Climb on HDG358° at or above 500FT, turn right direct to KOHEI.

Note RWY18: 5.8% climb gradient required up to 500FT due to airspace restrictions only.

RWY36: 4.0% climb gradient required up to 500FT due to airspace restrictions only.

DOUGO TRANSITION

From KOHEI, to HIMEH, to GONBE, to MYE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU RNAV SID and TRANSITION

KOHEI ONE DEPARTURE

RWY18

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	–	–	178 (170.4)	-7.5	–	–	+500	–	–	RNAV1
002	DF	KOHEI	–	–	-7.5	–	L	–	–	–	RNAV1

RWY36

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	–	–	358 (350.4)	-7.5	–	–	+500	–	–	RNAV1
002	DF	KOHEI	–	–	-7.5	–	R	–	–	–	RNAV1

DOUGO TRANSITION

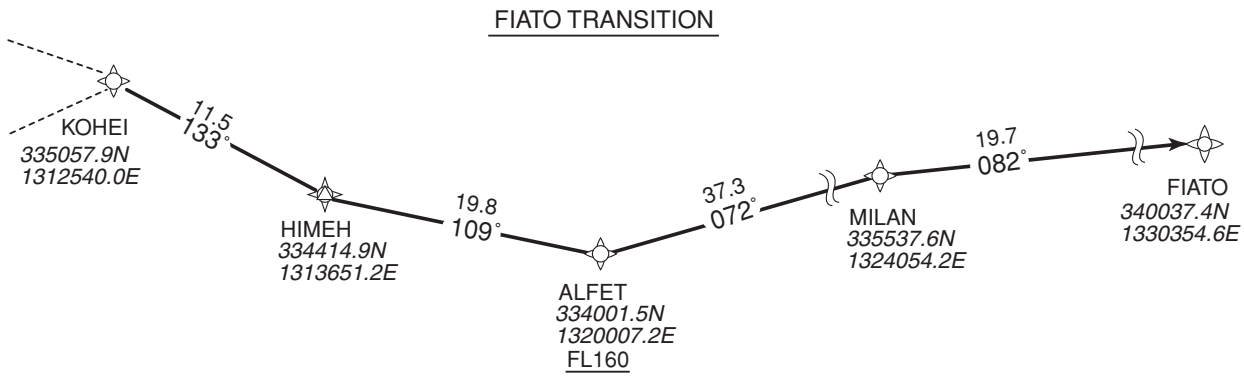
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KOHEI	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	HIMEH	–	133 (125.8)	-7.5	11.5	–	–	–	–	RNAV1
003	TF	GONBE	–	110 (102.2)	-7.5	29.8	–	–	–	–	RNAV1
004	TF	MYE	–	072 (064.1)	-7.5	27.5	–	–	–	–	RNAV1

STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU RNAV TRANSITION

FIATO TRANSITION		RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	–
	DME GAP	–
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8˚W (2017)



FIATO TRANSITION

From KOHEI, to HIMEH, to ALFET at or above FL160, to MILAN, to FIATO.

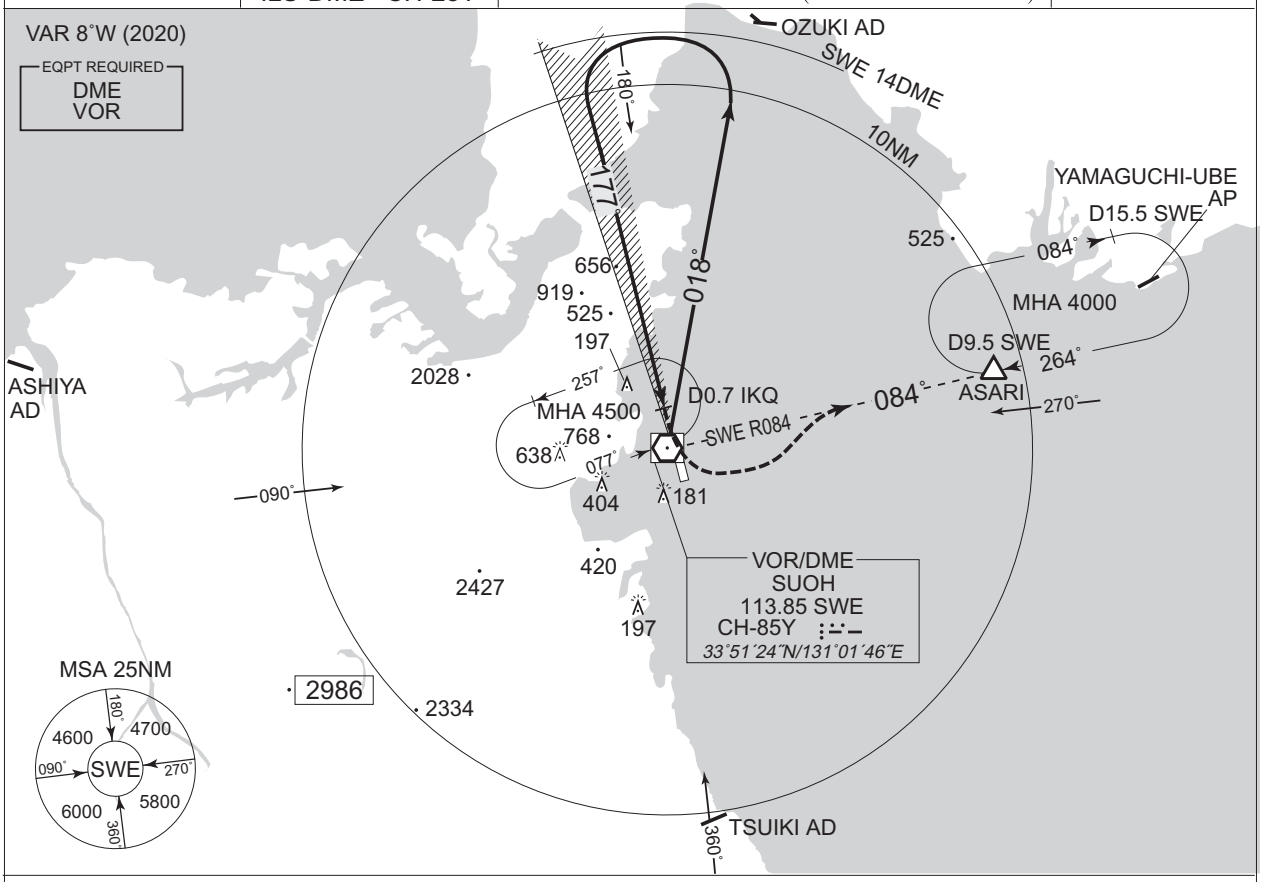
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KOHEI	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	HIMEH	–	133 (125.8)	-7.5	11.5	–	–	–	–	RNAV1
003	TF	ALFET	–	109 (102.2)	-7.5	19.8	–	+FL160	–	–	RNAV1
004	TF	MILAN	–	072 (065.1)	-7.5	37.3	–	–	–	–	RNAV1
005	TF	FIATO	–	082 (075.2)	-7.5	19.7	–	–	–	–	RNAV1

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

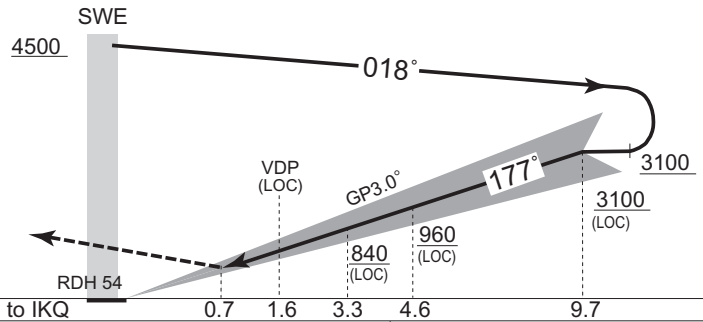
ILS Z or LOC Z RWY 18

TSUIKI APP	ILS – LOC	KITAKYUSHU TOWER	RADAR AVBL
119.225 – 315.9	109.15 IKQ ILS-GP 331.25 ILS-DME CH-28Y	118.85 - 126.2 1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85	CALL TSUIKI APP



MISSED APPROACH
At DA, turn left and climb to 4000FT via SWE R084 to ASARI and hold.
Contact TSUIKI APP.

Remain within SWE 14DME



MINIMA THR elev. 22 AD elev. 21

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	222 (200)	550	500 (479)	1000	500 (479)	1600
B				1200		
C						2400
D				1600	580 (559)	3200

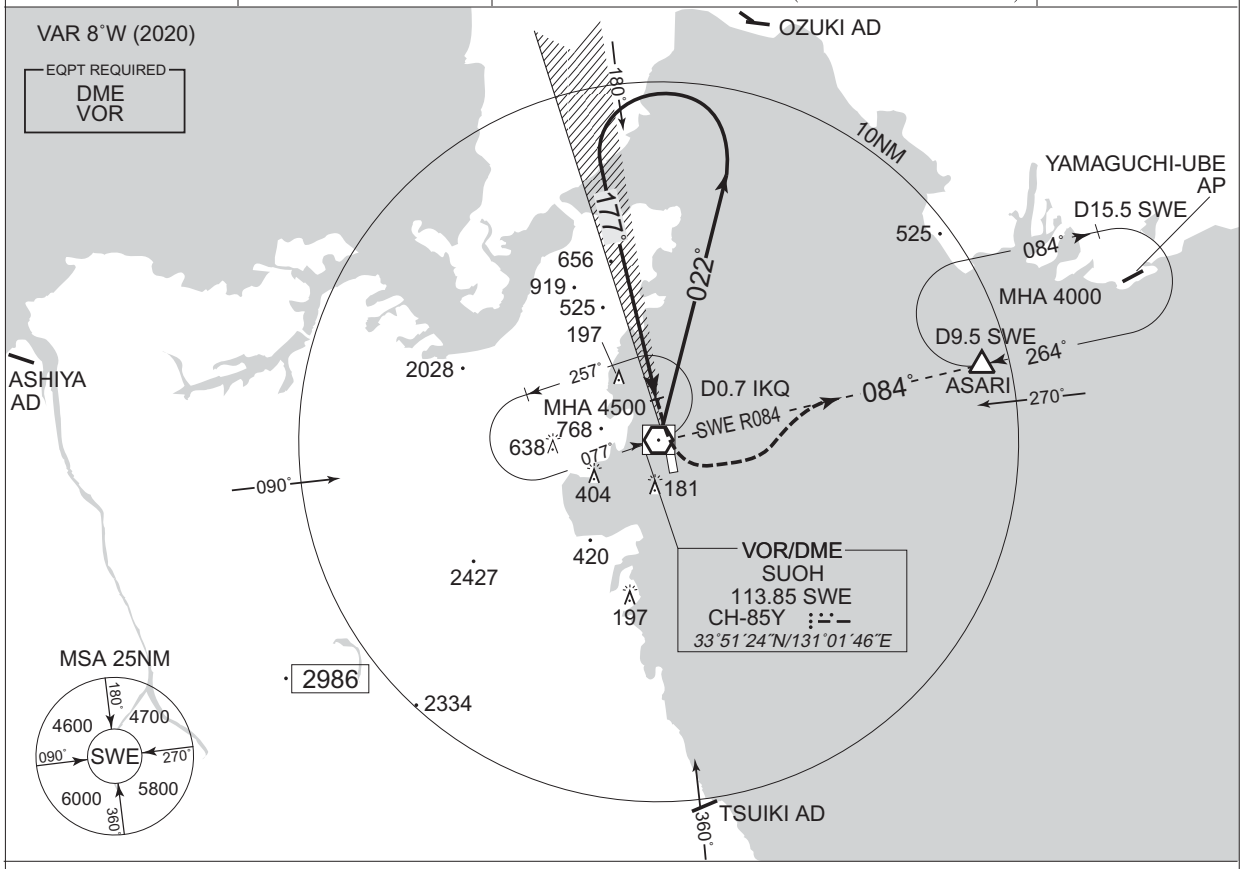
Circling to East side of RWY only.

CHANGE: GP angle added.

INSTRUMENT APPROACH CHART

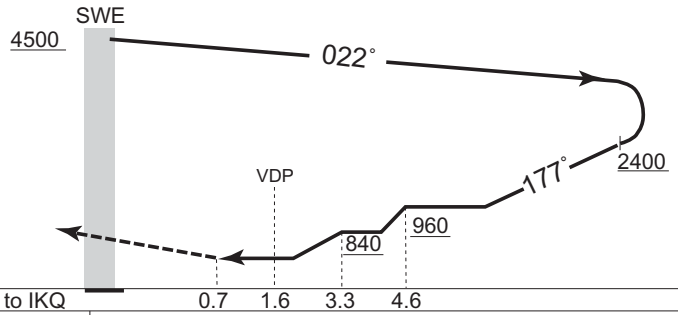
RJFR / KITAKYUSHU — LOC Y RWY 18

TSUIKI APP	ILS – LOC	KITAKYUSHU TOWER		RADAR AVBL
119.225 – 315.9	109.15 IKQ ILS-GP 331.25 ILS-DME CH-28Y	118.85 - 126.2	1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85	CALL TSUIKI APP



MISSED APPROACH
At IKQ 0.7DME, turn left and climb to 4000FT via SWE R084 to ASARI and hold.
Contact TSUIKI APP.

Remain within SWE 10DME



MINIMA THR elev. 22 AD elev. 21

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (479)	1000	500 (479)	1600
B		1200		
C				2400
D		1600	580 (559)	3200

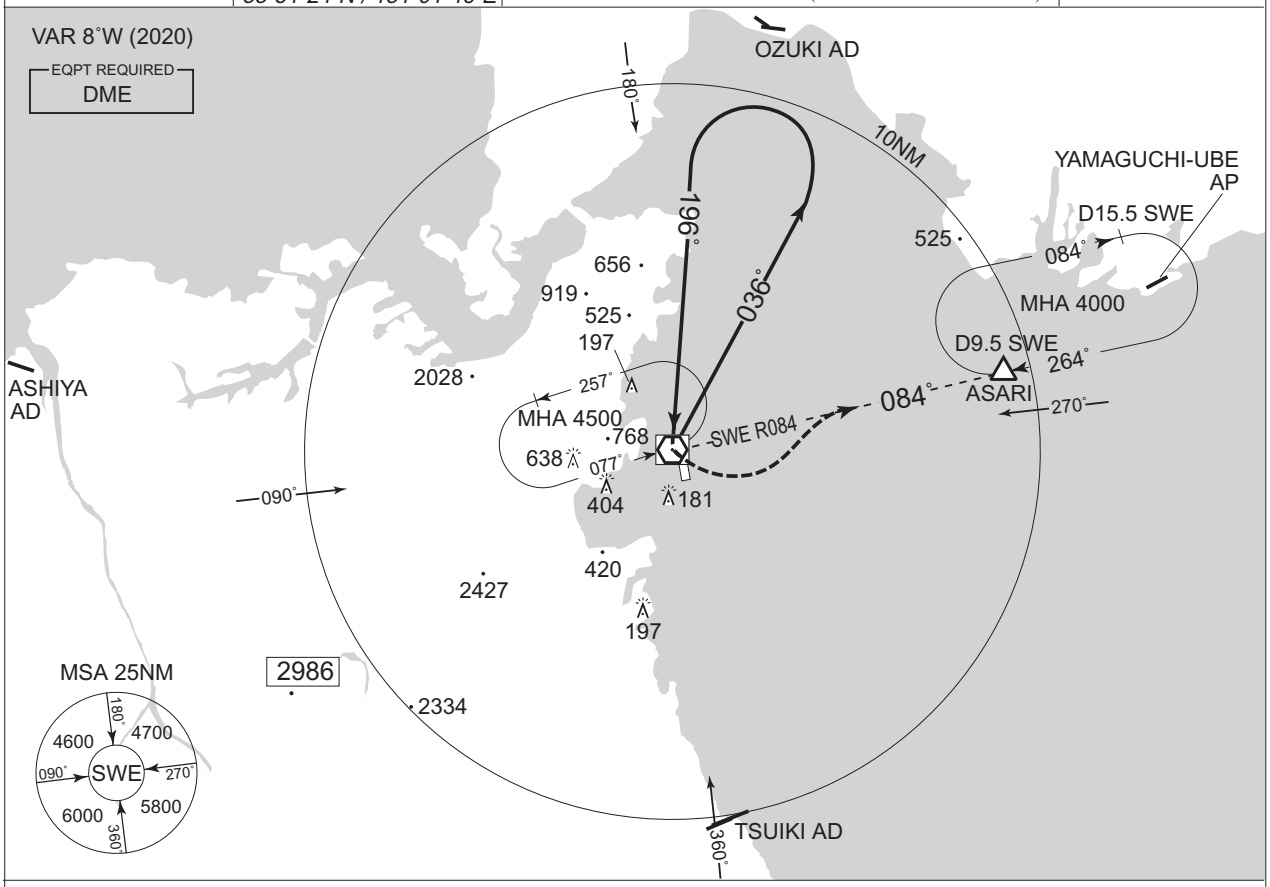
Circling to East side of RWY only.

CHANGE : PROC renamed. VAR. MSA. Radial FM SWE.

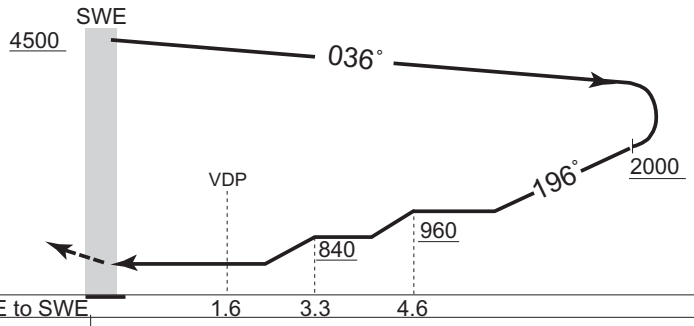
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — VOR RWY 18

TSUIKI APP	SUOH VOR/DME 113.85 SWE CH-85Y	KITAKYUSHU TOWER	1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85	RADAR AVBL CALL TSUIKI APP
119.225 – 315.9	*33˚51´24˝N / 131˚01´46˝E*	118.85 - 126.2		



MISSED APPROACH
At SWE VOR/DME, turn left and climb to 4000FT via SWE R084 to ASARI and hold.
Contact TSUIKI APP.



MINIMA THR elev. 22 AD elev. 21

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (479)	1000	500 (479)	1600
B		1200		
C				2400
D		1600	580 (559)	3200

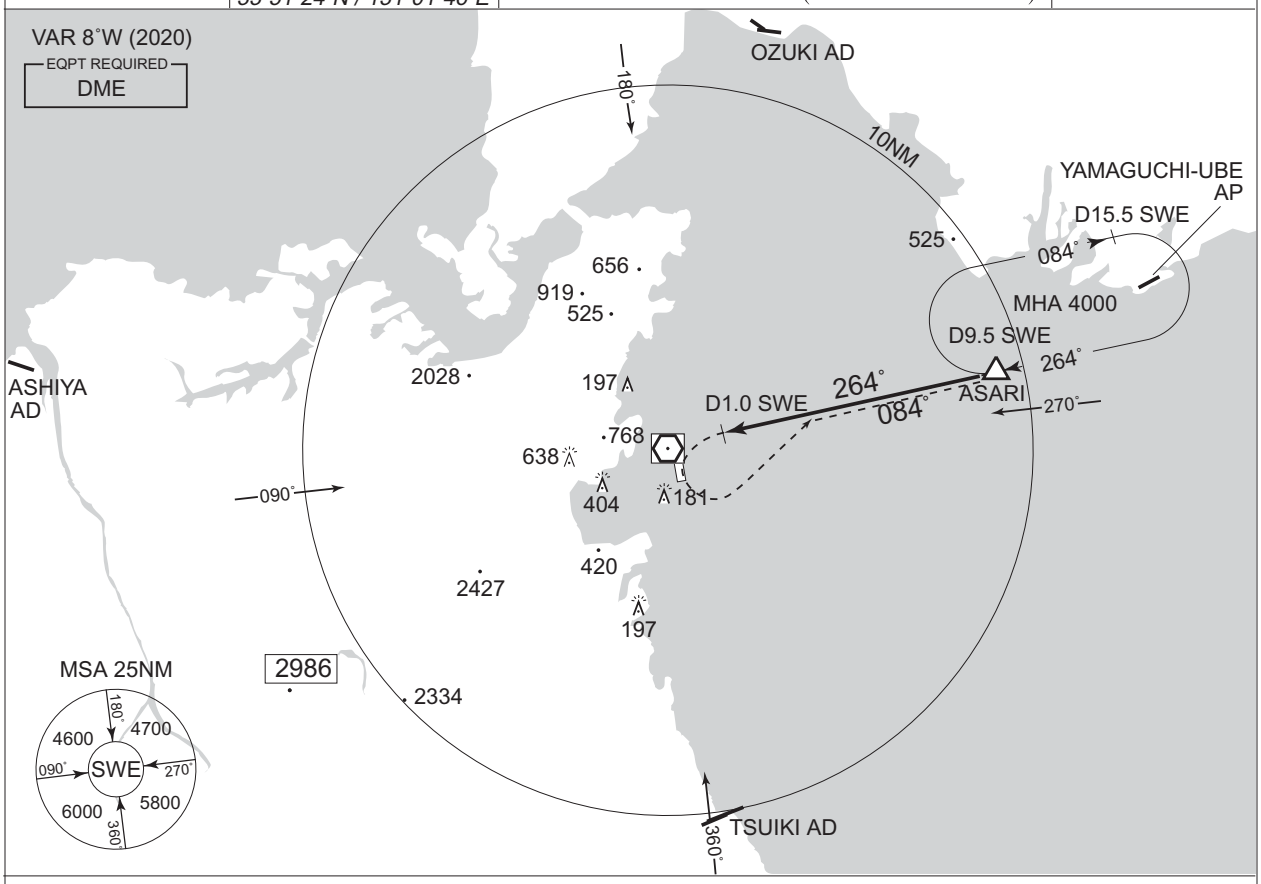
Circling to East side of RWY only.

CHANGE : PROC renamed. VAR. MSA. Radial FM SWE.

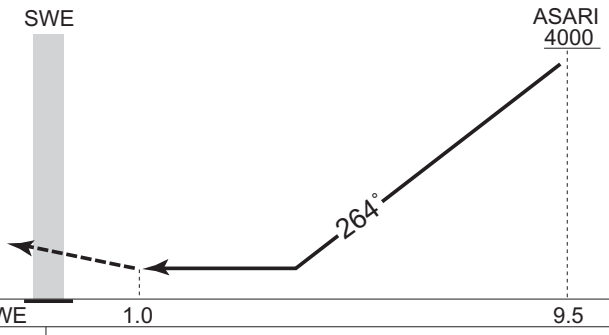
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — VOR A

TSUIKI APP	SUOH VOR/DME 113.85 SWE CH-85Y	KITAKYUSHU TOWER	1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85	RADAR AVBL CALL TSUIKI APP
119.225 – 315.9	*33°51′24″N / 131°01′46″E*	118.85 - 126.2		



MISSED APPROACH
At 1.0DME prior to SWE VOR/DME, turn left and climb to 4000FT via SWE R084 to ASARI and hold.
Contact TSUIKI APP.



MINIMA — AD elev. 21

CAT	CIRCLING	
	MDA(H)	VIS
A	1000 (979)	1600
B		
C		2400
D		3200

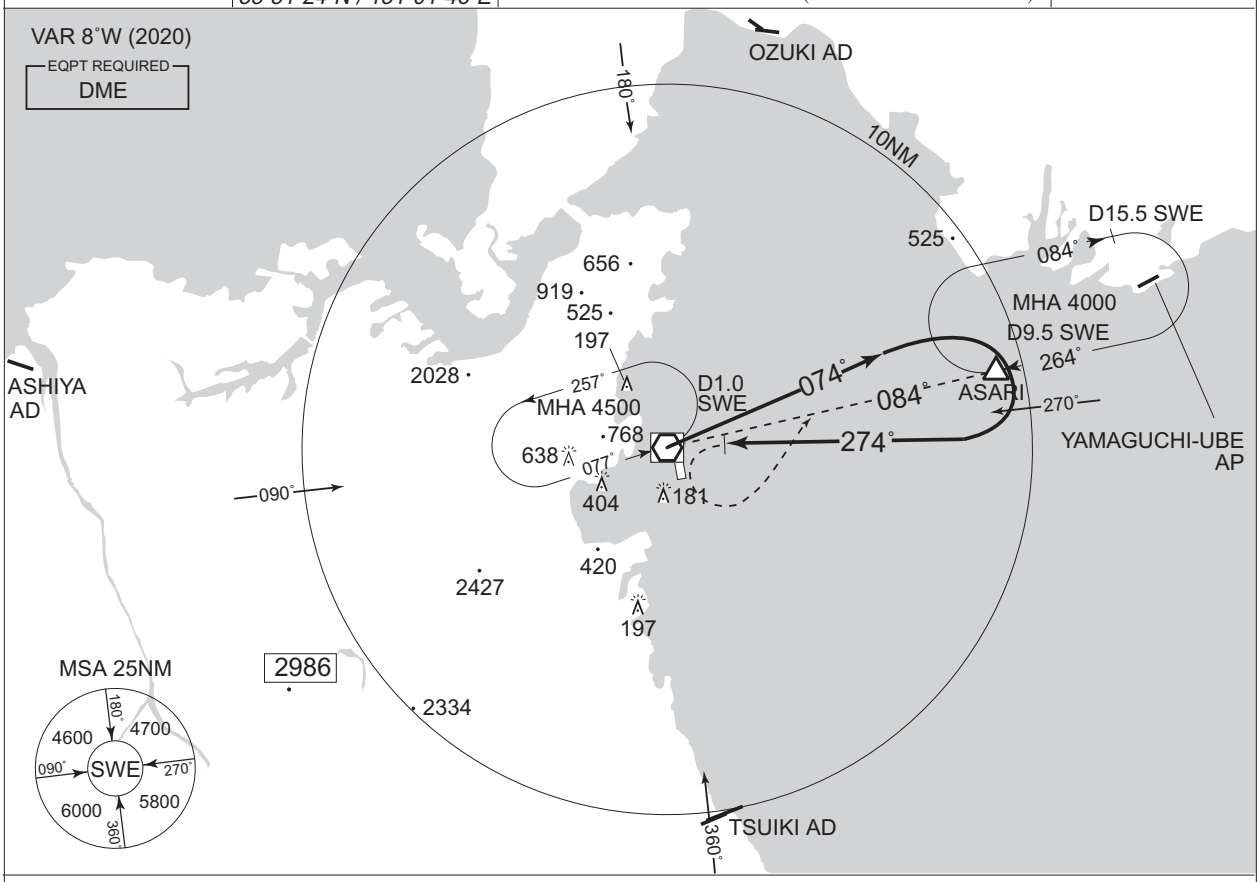
Circling to East side of RWY only.

CHANGE : PROC renamed. VAR. MSA. Radial FM SWE.

INSTRUMENT APPROACH CHART

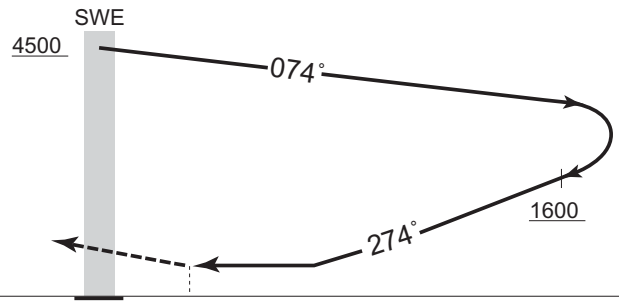
RJFR / KITAKYUSHU VOR B

TSUIKI APP	SUOH VOR/DME 113.85 SWE CH-85Y *33°51′24″N / 131°01′46″E*	KITAKYUSHU TOWER 118.85 - 126.2	1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85	RADAR AVBL CALL TSUIKI APP
119.225 – 315.9				



Remain within SWE 10DME

MISSED APPROACH
At 1.0DME prior to SWE VOR/DME,
turn left and climb to 4000FT
via SWE R084 to ASARI and hold.
Contact TSUIKI APP.



MINIMA AD elev. 21

CAT	CIRCLING	
	MDA(H)	VIS
A	500 (479)	1600
B		
C		2400
D	580 (559)	3200

Circling to East side of RWY only.

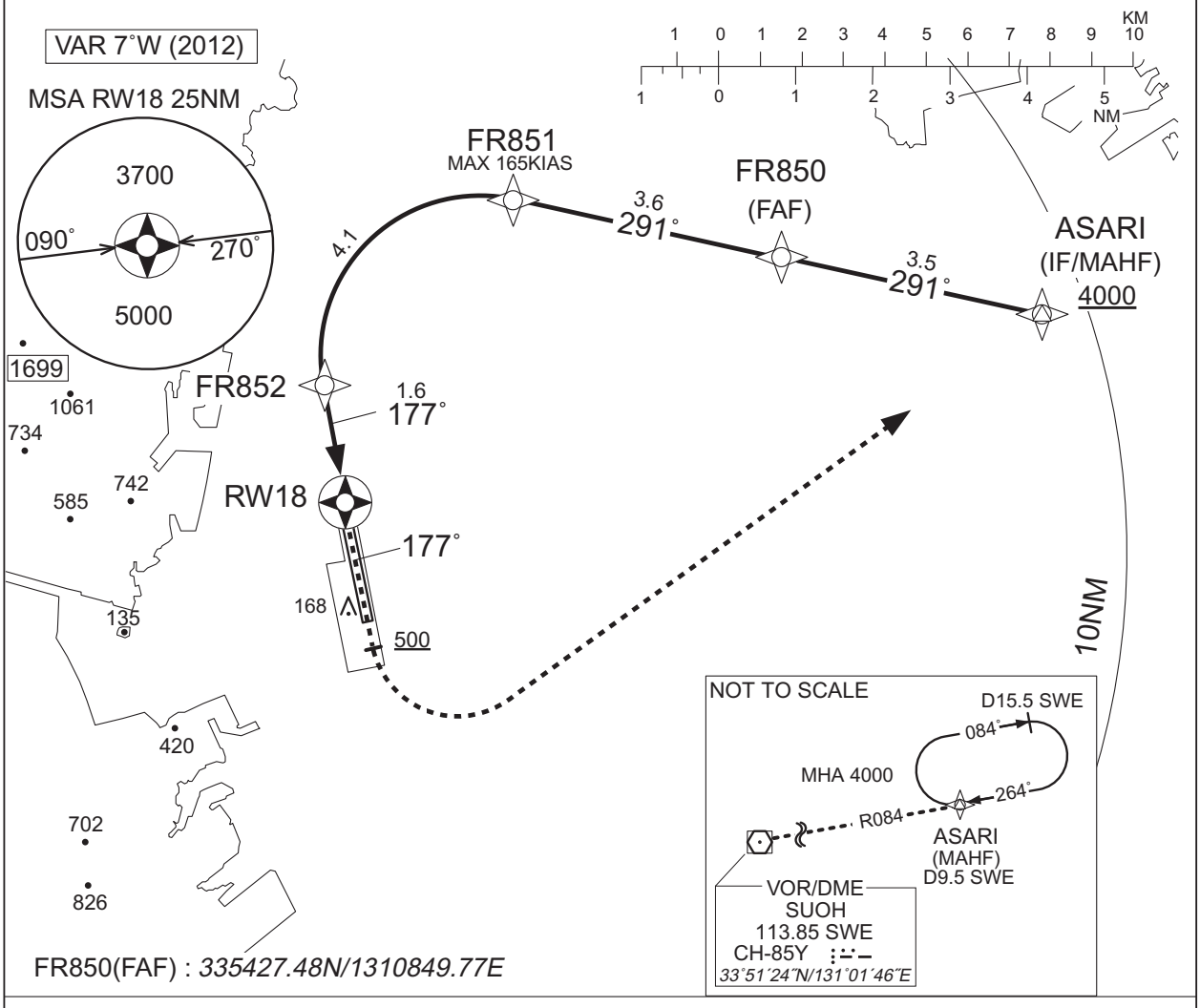
CHANGE : PROC renamed. VAR. MSA. Radial FM SWE.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — RNAV(RNP) RWY18

TSUIKI APP	GNSS and RF required.	KITAKYUSHU TOWER	(1315 – 2245(UTC) KITAKYUSHU REMOTE	RADAR AVBL CALL TSUIKI APP
119.225 – 315.9		118.85 - 126.2	118.85)	

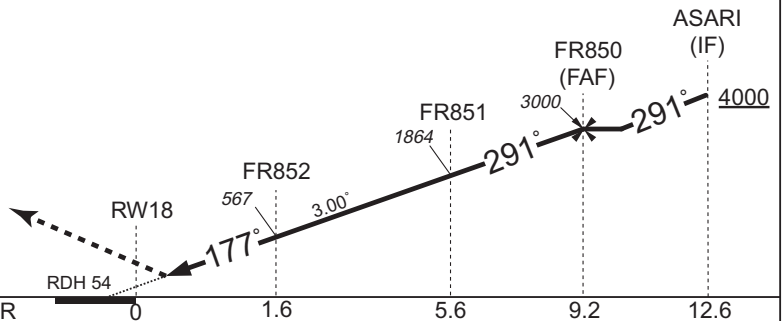
For uncompensated Baro-VNAV systems, procedure not authorized below -5℃／above 45℃



MISSED APPROACH

From RW18 on track 177˚, at or above 500FT turn left, direct to ASARI and hold at 4000FT.

Contact TSUIKI APP.



CHANGE : Bearing on HOLD pattern.

MINIMA THR elev. 22 AD elev. 21

CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	-	-
B		
C	322(300)	1000
D		1400

RNP AR

Special Authorization Required

*Missed APCH climb gradient MNM 5.0%

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU RNAV(RNP) RWY18

RNAV(RNP) RWY18

Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ASARI	—	—	-7.1	—	—	+4000	—	—	—
002	TF	FR850	—	291 (283.6)	-7.1	3.5	—	3000	—	—	1.0
003	TF	FR851	—	291 (283.5)	-7.1	3.6	—	1864	-165	-3.00	0.3
004	RF Center: FRRF1 r=2.06NM	FR852	—	—	-7.1	4.1	L	567	—	-3.00	0.3
005	TF	RW18	Y	177 (170.4)	-7.1	1.6	—	76	—	-3.00/54	0.3
006	FA	—	—	177 (170.4)	-7.1	—	—	+500	—	—	1.0
007	DF	ASARI	—	—	-7.1	—	L	4000	—	—	1.0

Waypoint Coordinates

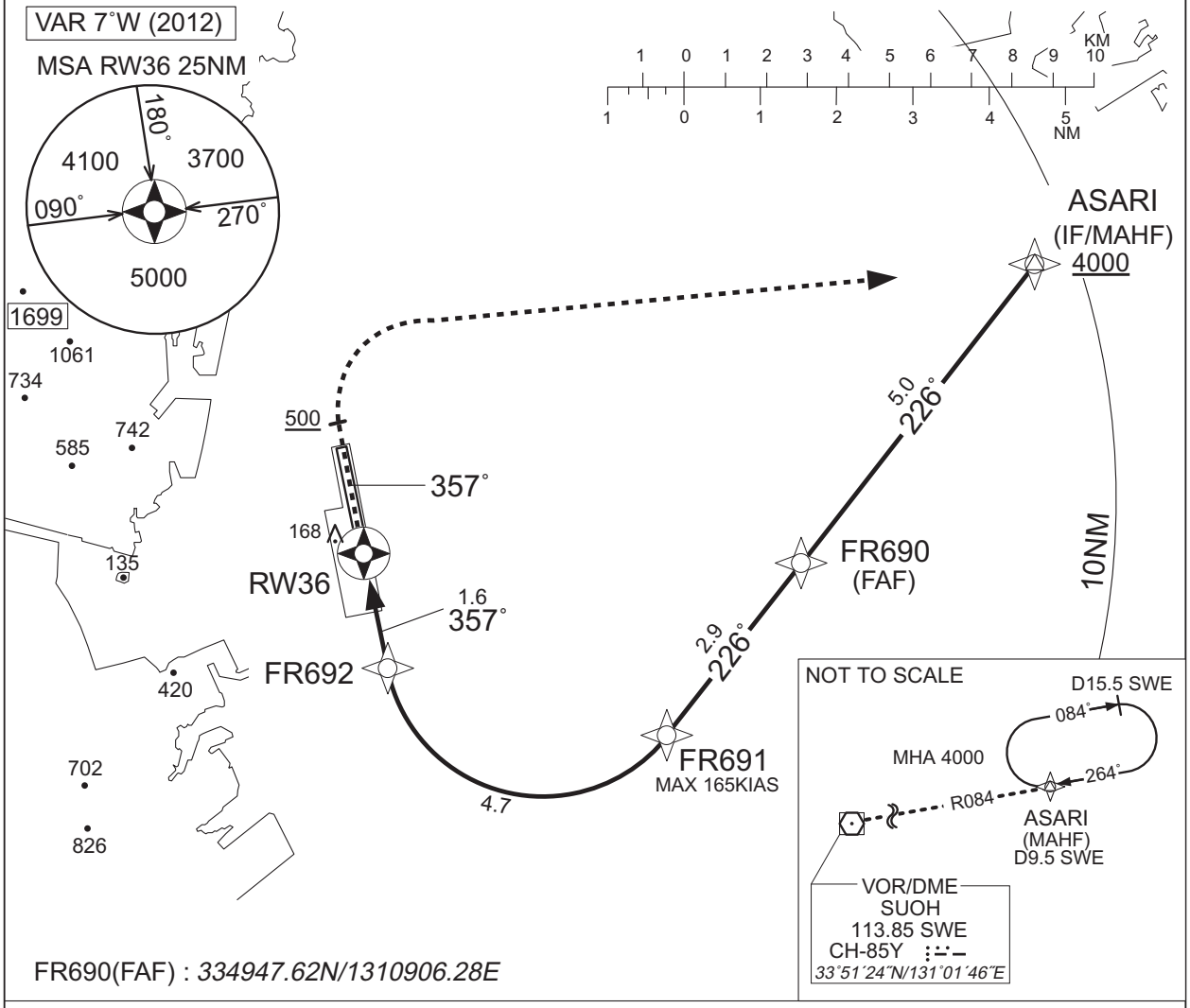
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASARI	*335338.98N / 1311252.32E*	FRRF1	*335316.61N/ 1310405.62E*
FR850	*335427.48N / 1310849.77E*		
FR851	*335517.24N / 1310440.15E*		
FR852	*335255.76N / 1310139.03E*		
RW18	*335123.92N / 1310157.83E*		

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — RNAV(RNP) RWY36

TSUIKI APP 119.225 – 315.9	GNSS and RF required.	KITAKYUSHU TOWER 118.85 - 126.2 (1315 – 2245(UTC) KITAKYUSHU REMOTE 118.85)	RADAR AVBL CALL TSUIKI APP

For uncompensated Baro-VNAV systems, procedure not authorized below -5℃／above 45℃

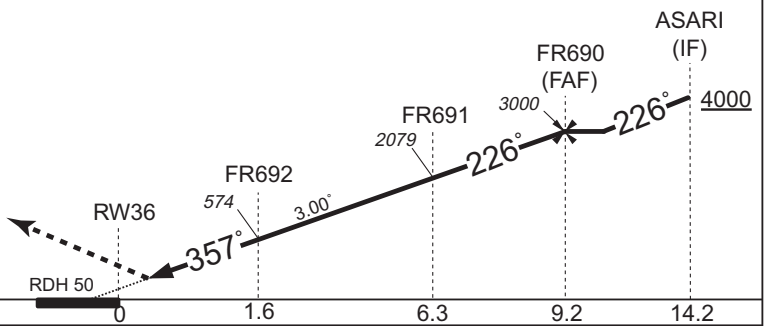


FR690(FAF) : *334947.62N/1310906.28E*

MISSED APPROACH

From RW36 on track 357˚, at or above 500FT turn right, direct to ASARI and hold at 4000FT.

Contact TSUIKI APP.



CHANGE : Bearing on HOLD pattern.

MINIMA THR elev. 23 AD elev. 21

CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B		
C	329(306)	1400
D		1600

RNP AR

Special Authorization Required

*Missed APCH climb gradient MNM 5.0%

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU RNAV(RNP) RWY36

RNAV(RNP) RWY36

Coding Table

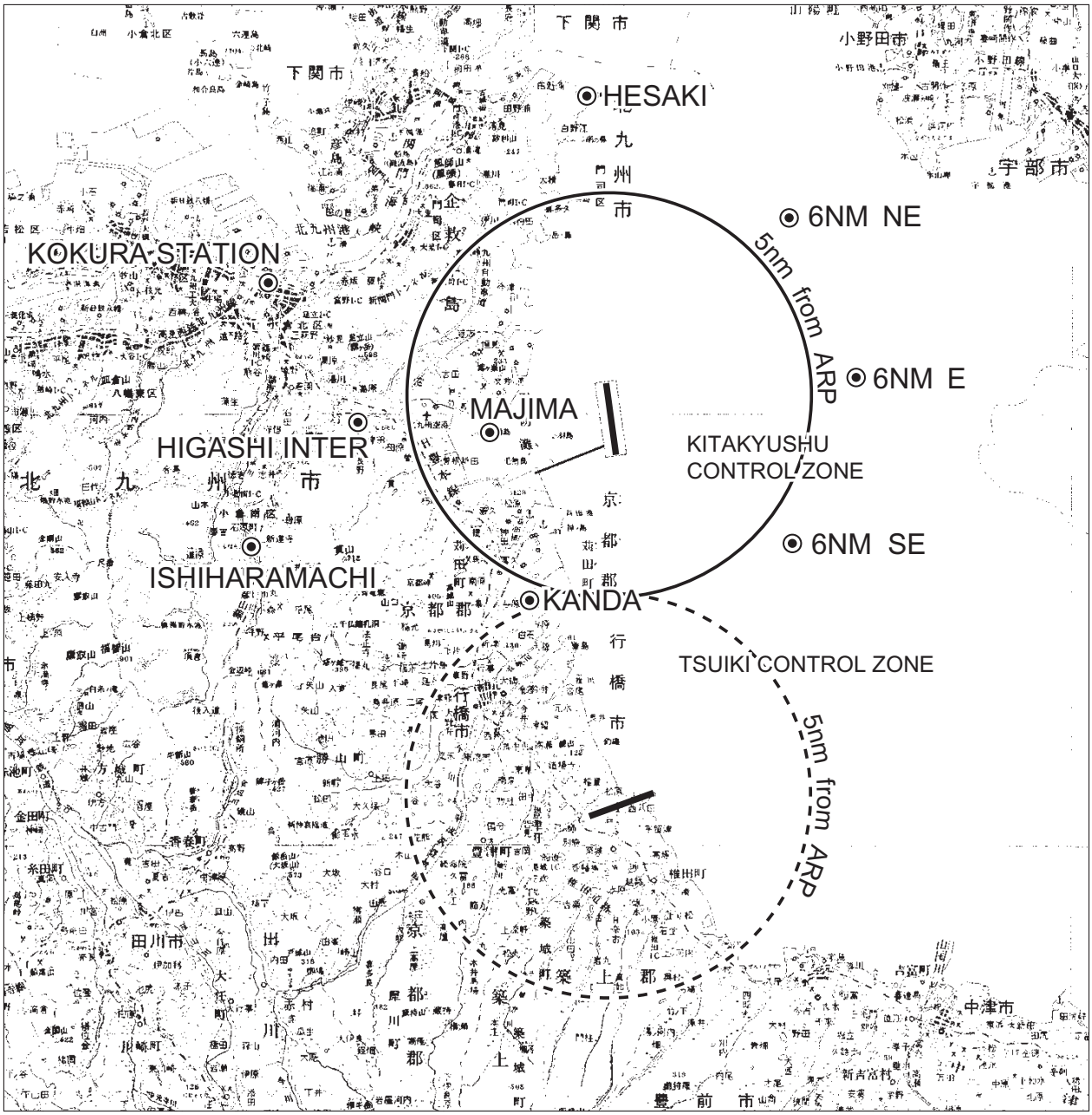
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ASARI	—	—	-7.1	—	—	+4000	—	—	—
002	TF	FR690	—	226 (219.1)	-7.1	5.0	—	3000	—	—	1.0
003	TF	FR691	—	226 (219.0)	-7.1	2.9	—	2079	-165	-3.00	0.3
004	RF Center: FRRF2 r=2.06NM	FR692	—	—	-7.1	4.7	R	574	—	-3.00	0.3
005	TF	RW36	Y	357 (350.4)	-7.1	1.6	—	73	—	-3.00/50	0.3
006	FA	—	—	357 (350.4)	-7.1	—	—	+500	—	—	1.0
007	DF	ASARI	—	—	-7.1	—	R	4000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASARI	*335338.98N / 1311252.32E*	FRRF2	*334851.32N / 1310459.78E*
FR690	*334947.62N / 1310906.28E*		
FR691	*334733.05N / 1310655.02E*		
FR692	*334830.46N / 1310233.32E*		
RW36	*335004.08N / 1310214.17E*		

RJFR / KITAKYUSHU

Visual REP



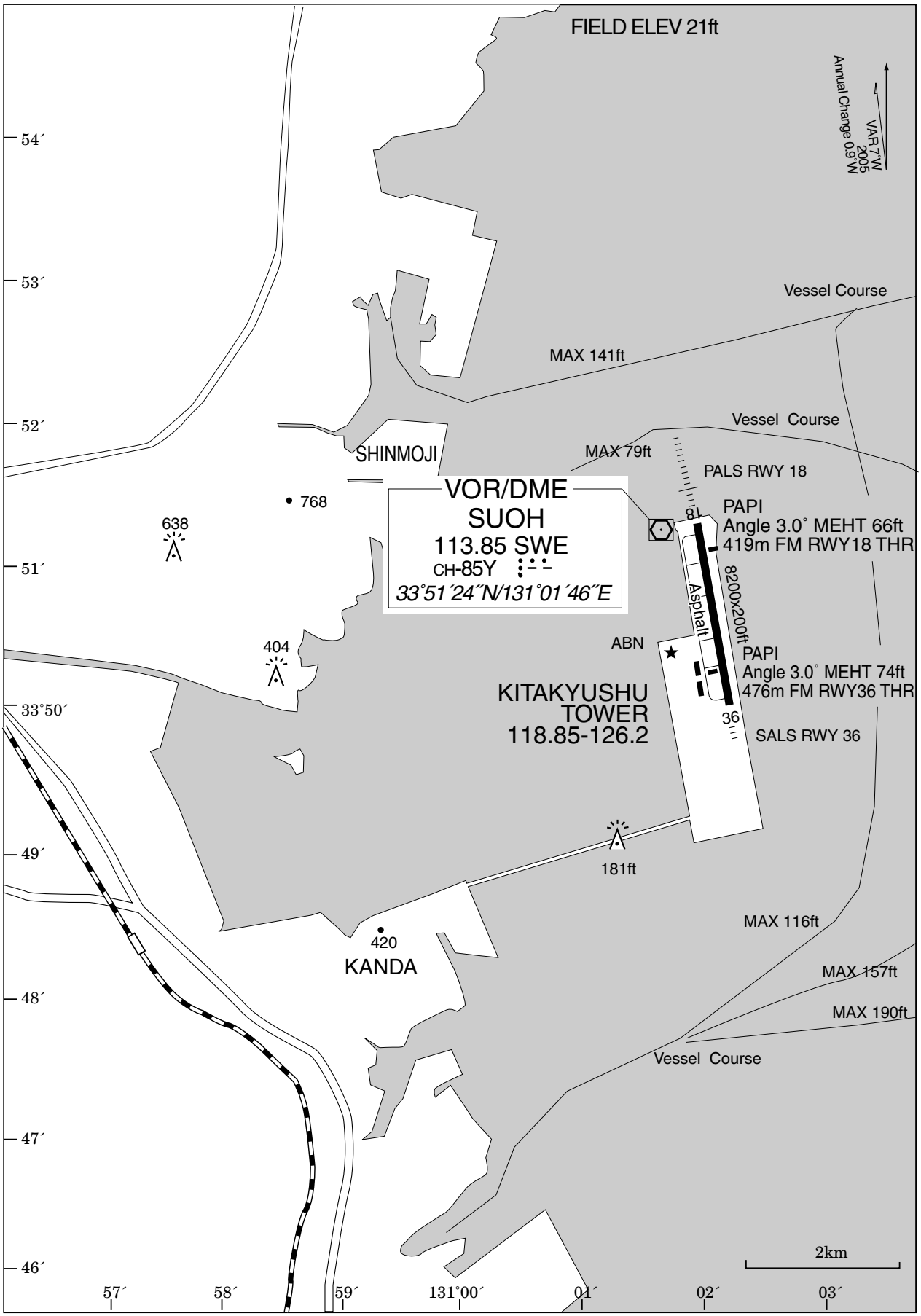
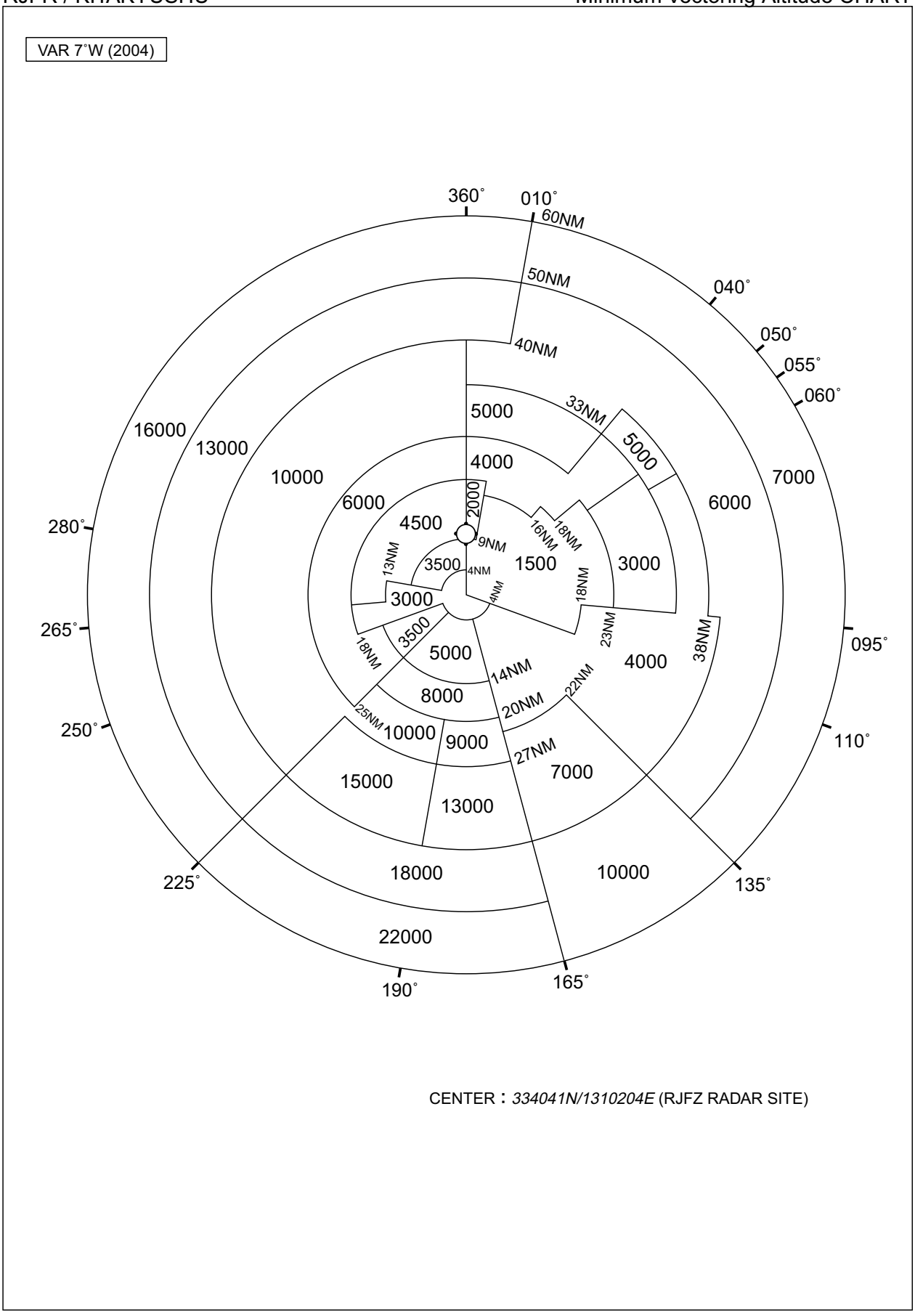
CHANGE: Reporting point added (6NM NE,6NM E,6NM SE)

RJFR / KITAKYUSHU Visual REP

Call sign	BRG / DIST from ARP	Remarks
部　崎 Hesaki	355˚/6.8NM	灯台 Lighthouse
6NM NE	045˚/6.0NM	海上 Over the sea
6NM E	090˚/6.0NM	海上 Over the sea
6NM SE	135˚/6.0NM	海上 Over the sea
苅　田 Kanda	202˚/5.5NM	日産自動車工場 Automobile manufacturing plant
石 原 町 Ishiharamachi	247˚/9.2NM	JR石原町駅 Station
間　島 Majima	252˚/3.1NM	島 Island
東インター Higashi Inter	263˚/6.2NM	小倉東I.C.（九州自動車道） Interchange
小倉ステーション Kokura Station	288˚/8.0NM	JR小倉駅 Station

CHANGE: Reporting point added (6NM NE,6NM E,6NM SE)

RJFR / KITAKYUSHU LDG CHART



RJFR / KITAKYUSHU Minimum Vectoring Altitude CHART