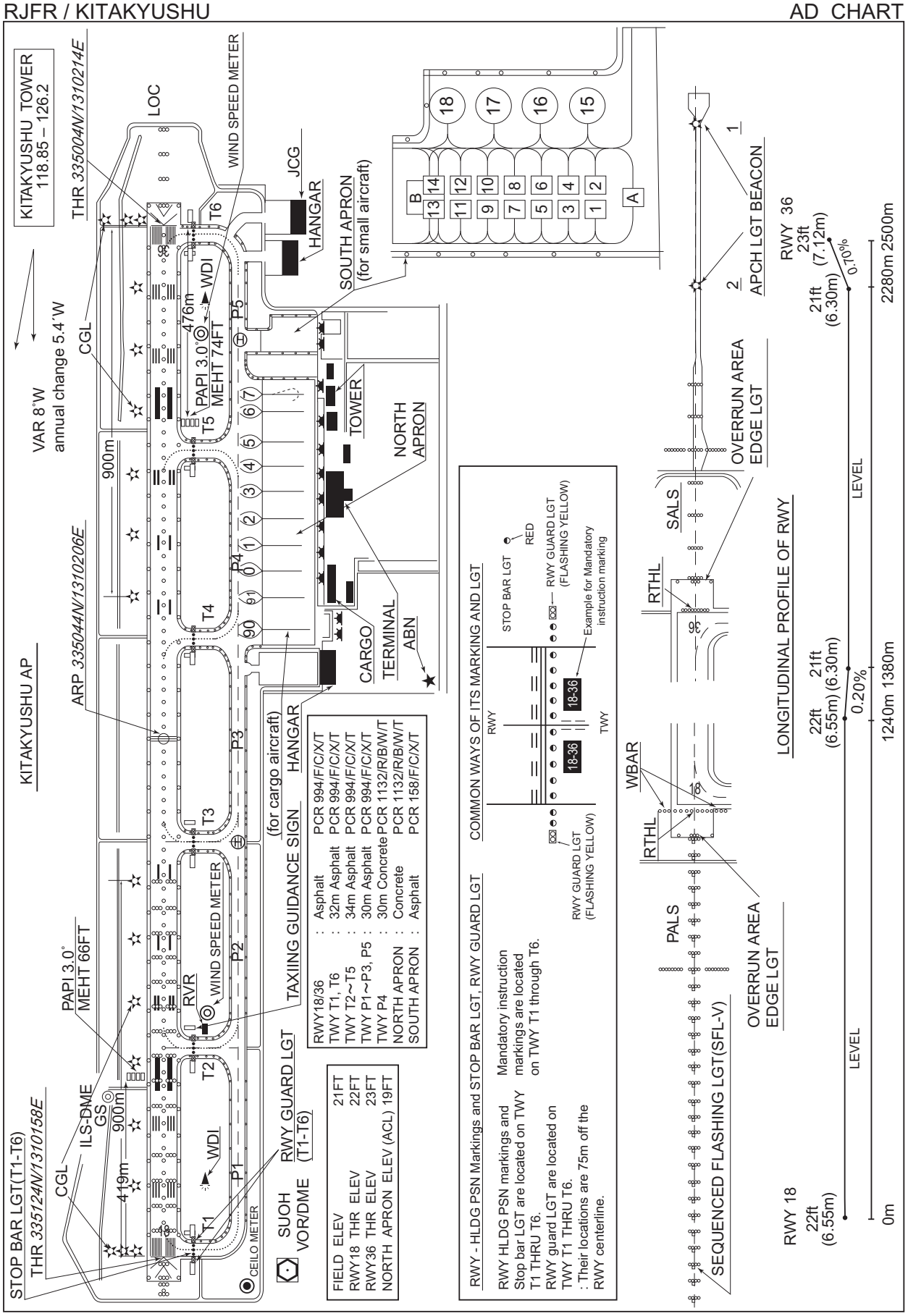
RJFR / KITAKYUSHU

AD CHART

CHANGE : Description of strength of pavement.



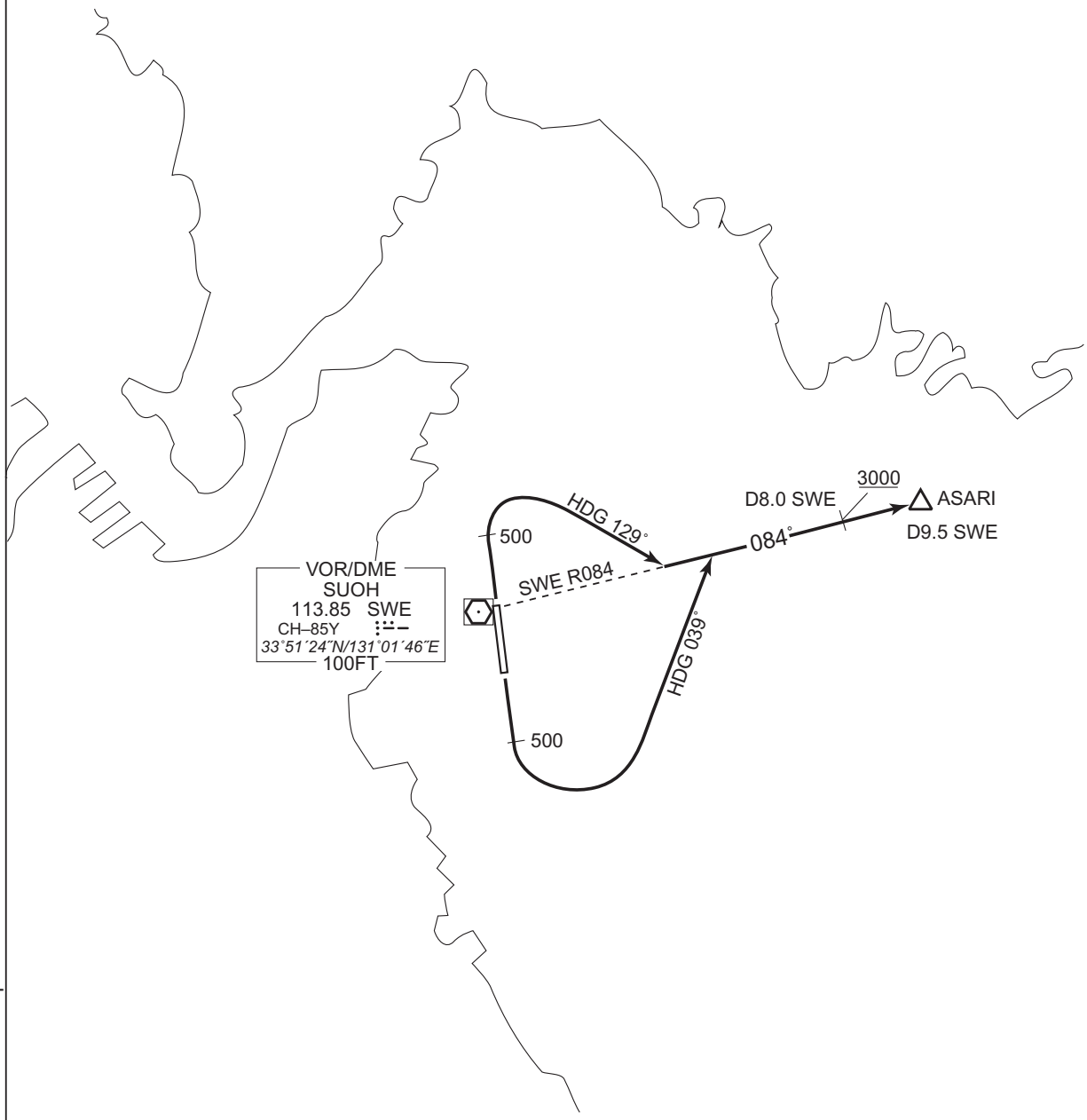
STANDARD DEPARTURE CHART - INSTRUMENT

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.



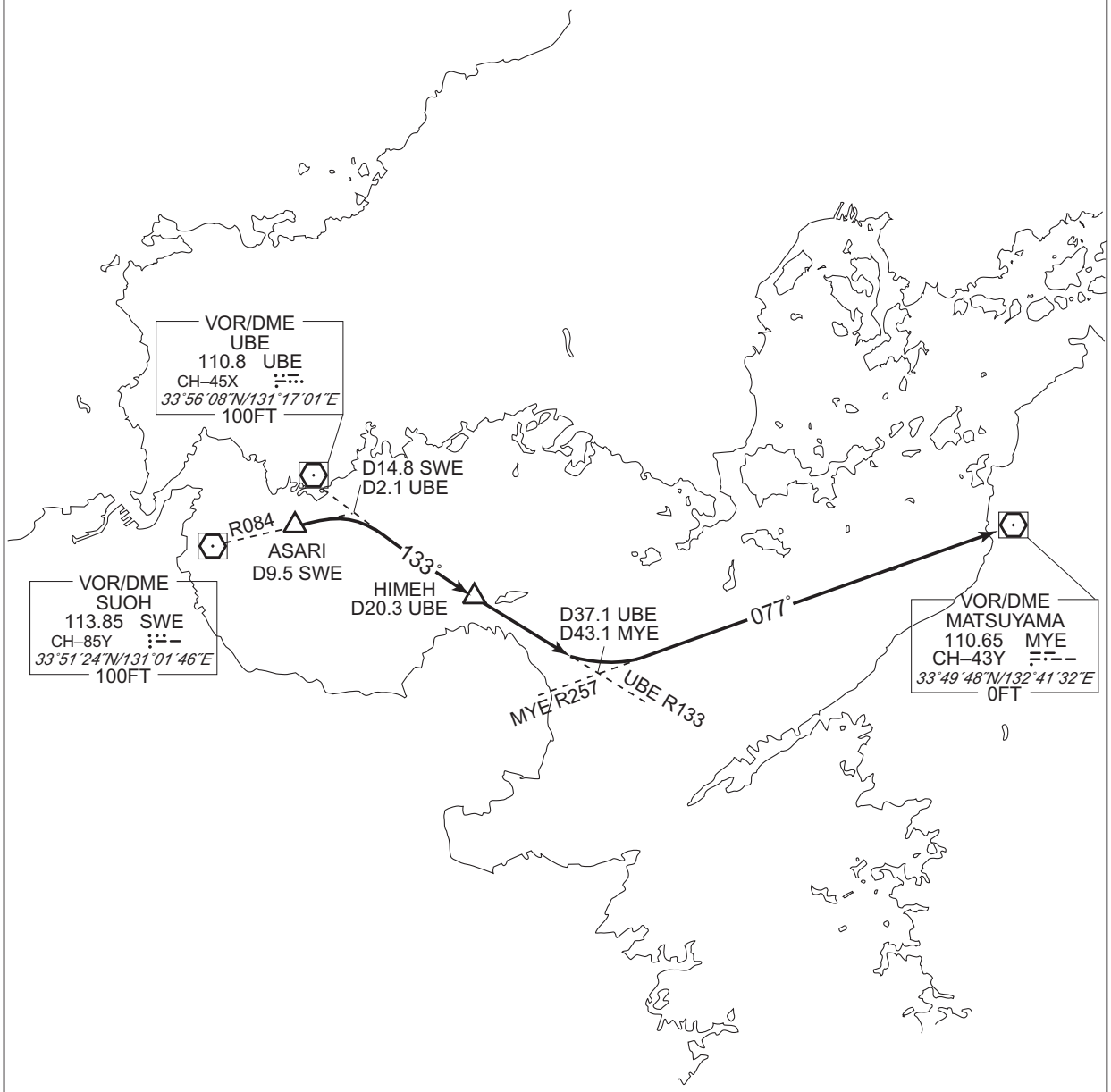
CHANGE : Description of PROC name.

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.



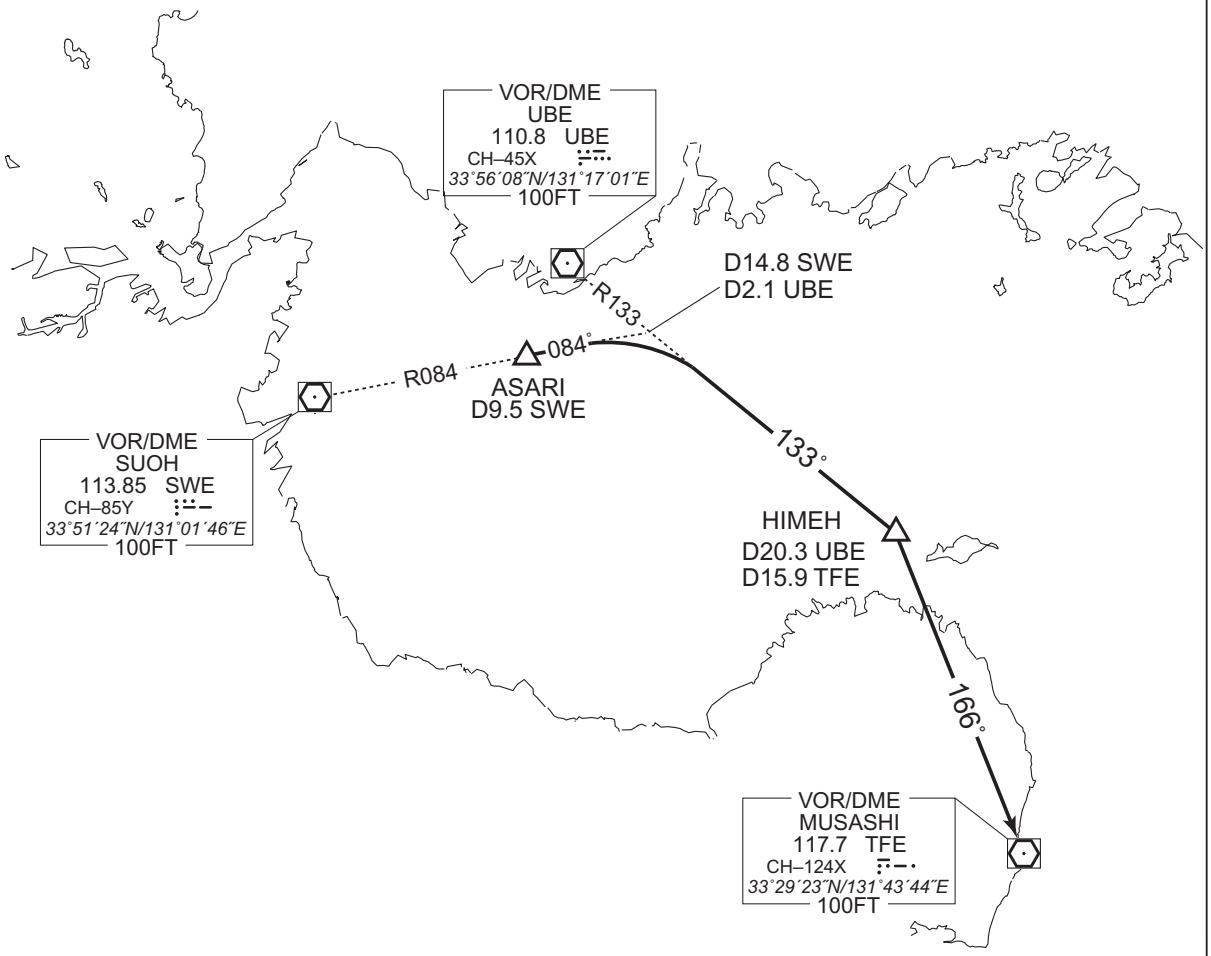
CHANGE : Description of PROC name.

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 : Description of PROC name.

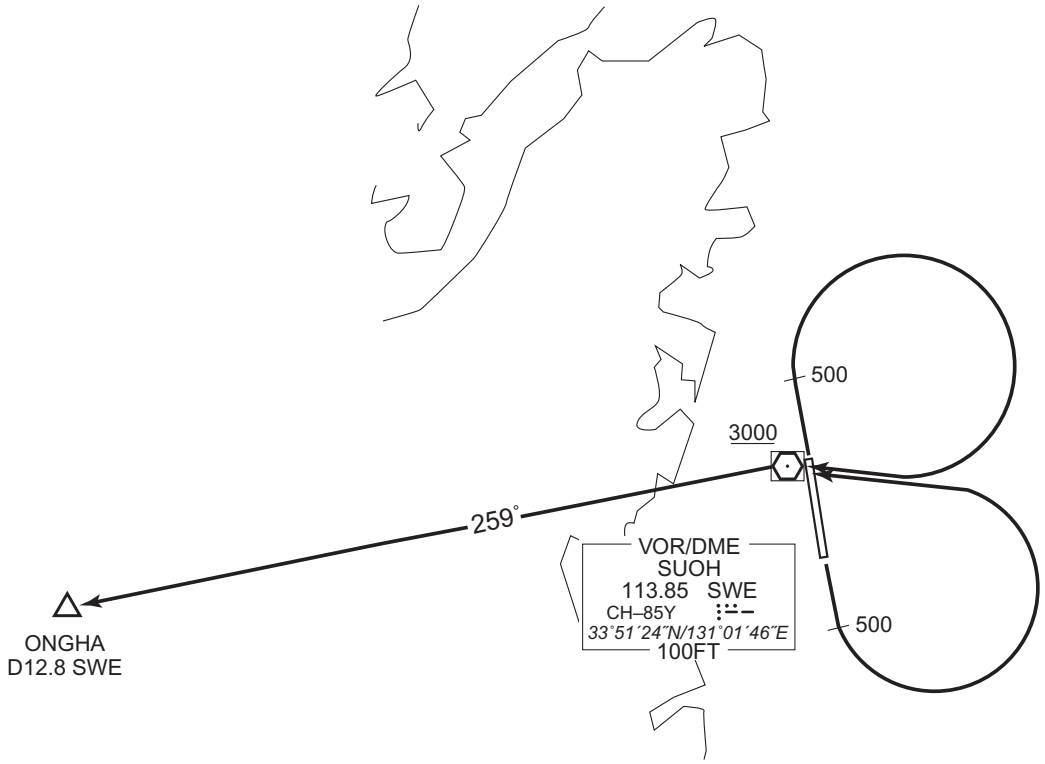
STANDARD DEPARTURE CHART - INSTRUMENT

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.

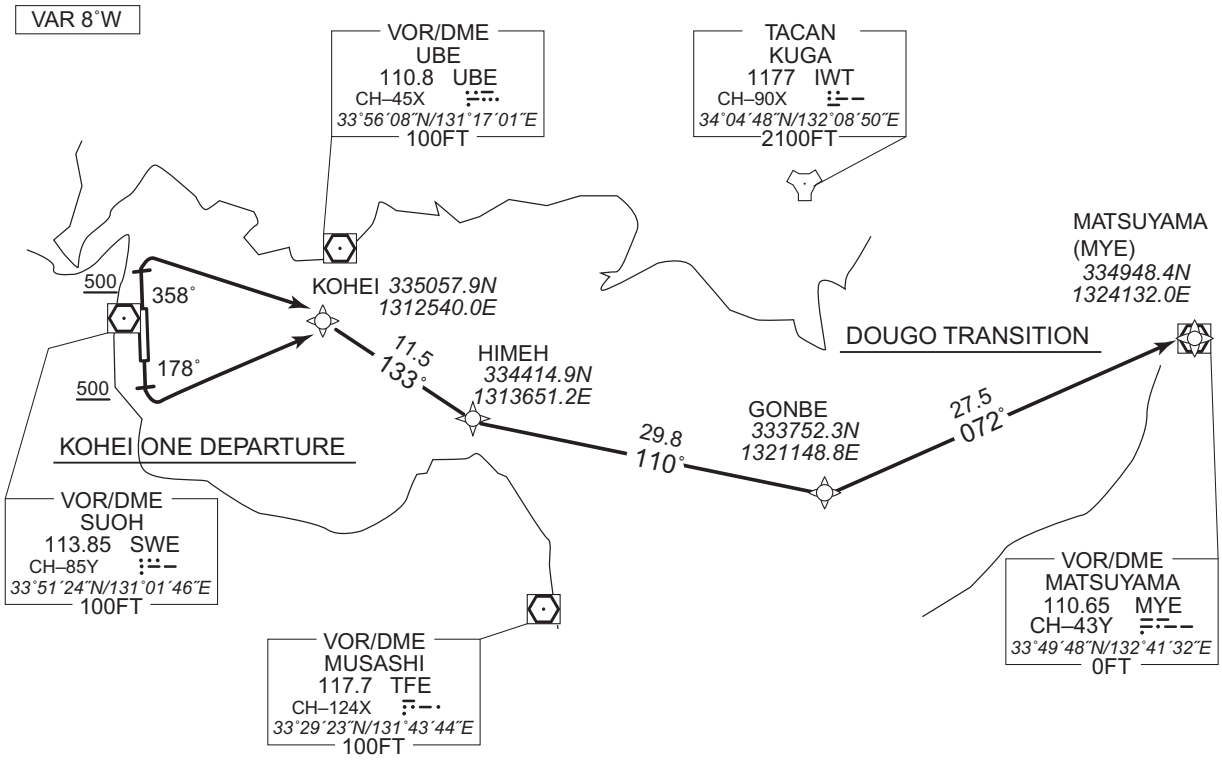


CHANGE : Description of PROC name.

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.

CHANGE : Description of VAR. FIX symbol(HIMEH).

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

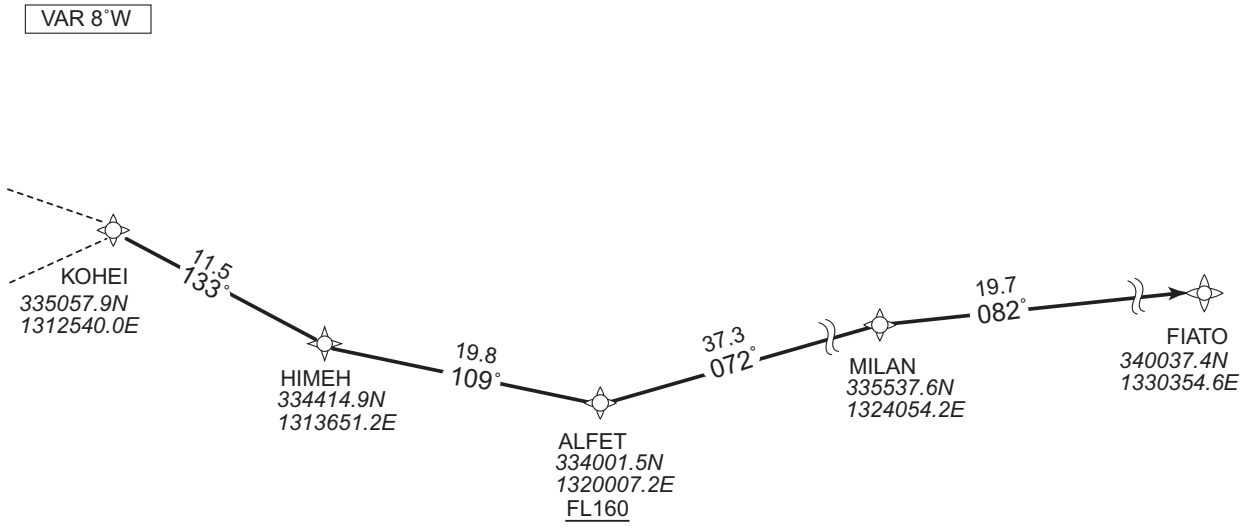
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KOHEI	–	–	-7.5	–	–	–	–	–	RNAV1
002	TF	HIMEH	–	133 (125.8)	-7.5	11.5	–	–	–	–	RNAV1
003	TF	GONBE	–	110 (102.2)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



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

CHANGE : Description of VAR and PROC name. FIX symbol(HIMEH).

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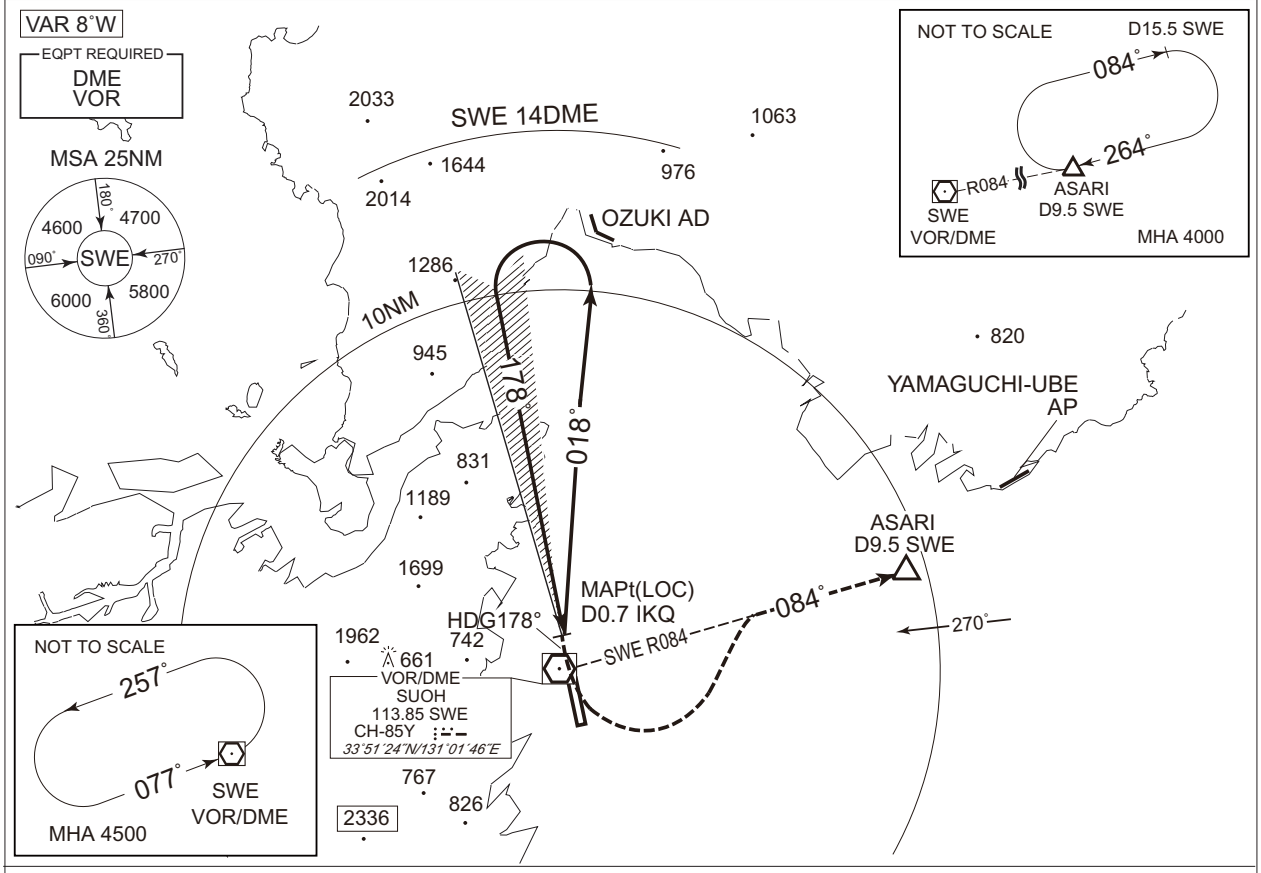
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

ILS Z or LOC Z RWY 18

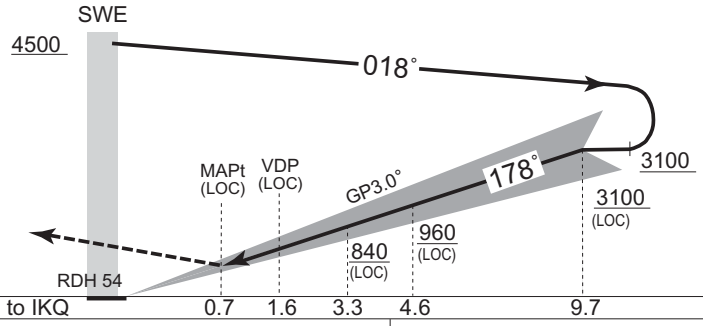
TSUIKI APP	ILS – LOC	KITAKYUSHU TOWER	KITAKYUSHU RADIO	RADAR AVBL
119.225 – 315.9	109.15 IKQ ⠇⠊⠅⠟ ILS-GP 331.25 ILS-DME CH-28Y	118.85 - 126.2	1315 – 2245(UTC) 118.85 AFIS provided by Fukuoka Airport Office	CALL TSUIKI APP



MISSED APPROACH

Climb to 500FT on HDG178°, turn left to intercept and proceed via SWE R084 to ASARI and hold at 4000FT.
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

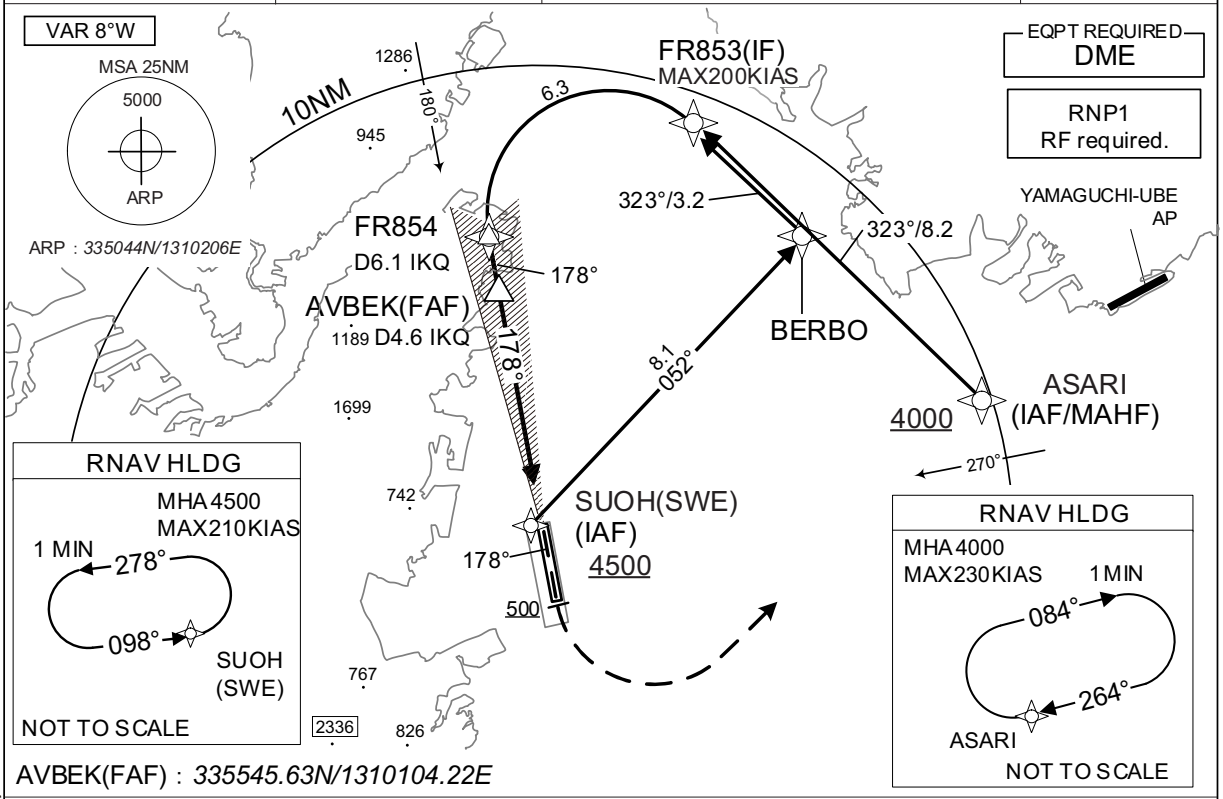
Circling to East side of RWY only.

CHANGE : MAPt established.

INSTRUMENT APPROACH CHART

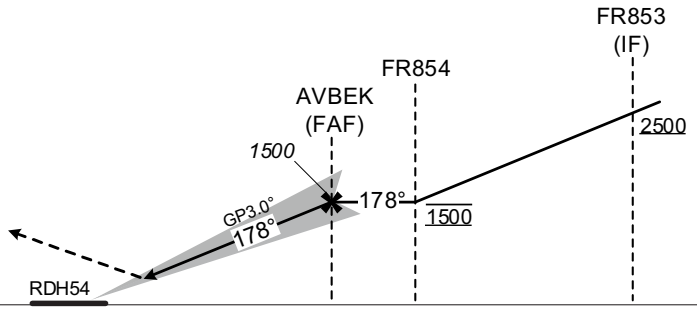
RJFR / KITAKYUSHU — ILS Y RWY18

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 RADIO 118.85 AFIS provided by Fukuoka Airport Office	CALL TSUIKI APP



MISSED APPROACH

Climb on course 178°, at or above 500FT turn left, direct to ASARI and hold at 4000FT.
Contact TSUIKI APP.



DME to IKQ	0.2	4.6	6.1
NM to THR	0	4.4	5.9

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 22 AD elev. 21

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

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

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

ILS Y RWY18

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

Coding Table

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	ASARI	-	-	-8.0	-	-	+4000	-	-	RNP1
002	TF	FR853	-	323 (314.8)	-8.0	8.2	-	+2500	-200	-	RNP1
001	IF	SWE	-	-	-8.0	-	-	+4500	-	-	RNP1
002	TF	BERBO	-	052 (044.5)	-8.0	8.1	-	-	-	-	RNP1
003	TF	FR853	-	323 (314.8)	-8.0	3.2	-	+2500	-200	-	RNP1
001	IF	FR853	-	-	-8.0	-	-	+2500	-200	-	RNP1
002	RF Center: FRRF3 r=2.50NM	FR854	-	-	-8.0	6.3	L	1500	-	-	RNP1
001	CA	-	-	178 (170.4)	-8.0	-	-	+500	-	-	RNP1
002	DF	ASARI	-	-	-8.0	-	L	4000	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ASARI	264 (256.4)	-8.0	1.0 (-14000)	R	4000	FL140	-230 (-14000)	RNP1
Hold	SWE	098 (090.0)	-8.0	1.0 (-14000)	L	4500	FL140	-210 (-14000)	RNP1

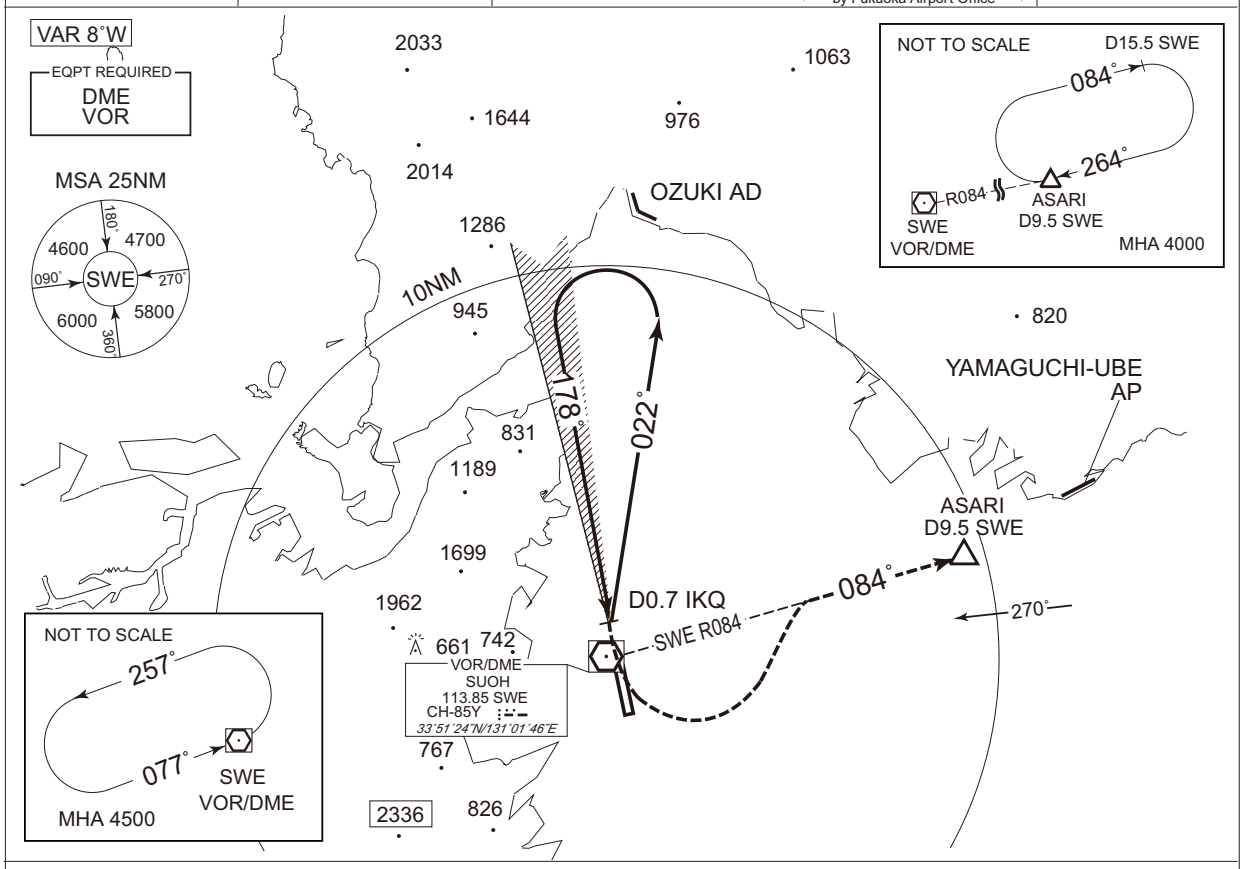
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASARI	*335338.98N / 1311252.32E*	FRRF3	*335739.78N / 1310343.74E*
BERBO	*335710.25N / 1310836.17E*		
FR853	*335926.70N / 1310550.48E*		
FR854	*335714.50N / 1310045.99E*		
SUOH(SWE)	*335123.82N / 1310145.84E*		

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — LOC Y RWY 18

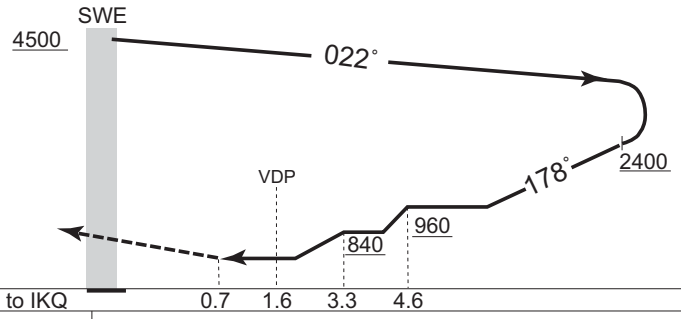
TSUIKI APP	ILS – LOC	KITAKYUSHU TOWER	KITAKYUSHU RADIO	RADAR AVBL
119.225 – 315.9	109.15 IKQ ILS-GP 331.25 ILS-DME CH-28Y	118.85 - 126.2	1315 – 2245(UTC) 118.85 AFIS provided by Fukuoka Airport Office	CALL TSUIKI APP



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 : Description of HLDG.

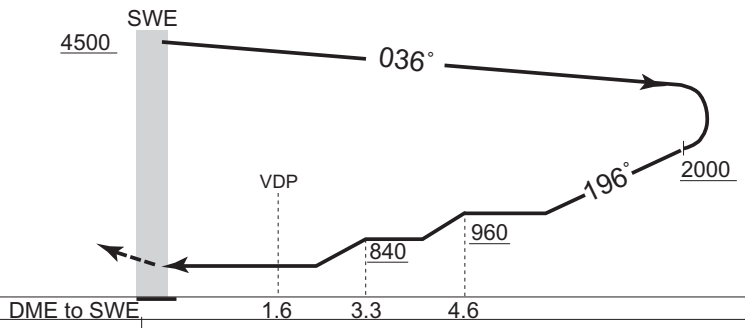
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — VOR RWY 18

TSUIKI APP	SUOH VOR/DME 113.85 SWE CH-85Y	KITAKYUSHU TOWER	1315 – 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport Office	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.

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.

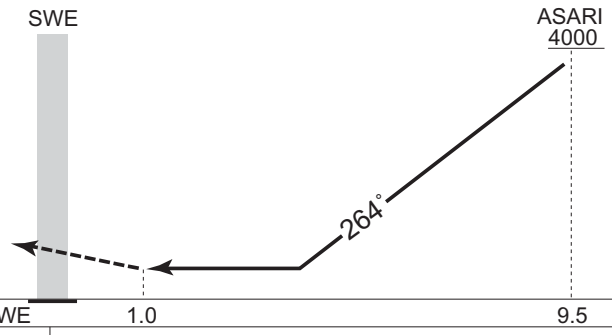
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — VOR A

TSUIKI APP	SUOH VOR/DME 113.85 SWE CH-85Y	KITAKYUSHU TOWER	1315 – 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport Office	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)	CIRCLING VIS
A	1000 (979)	1600
B		
C		2400
D		3200

Circling to East side of RWY only.

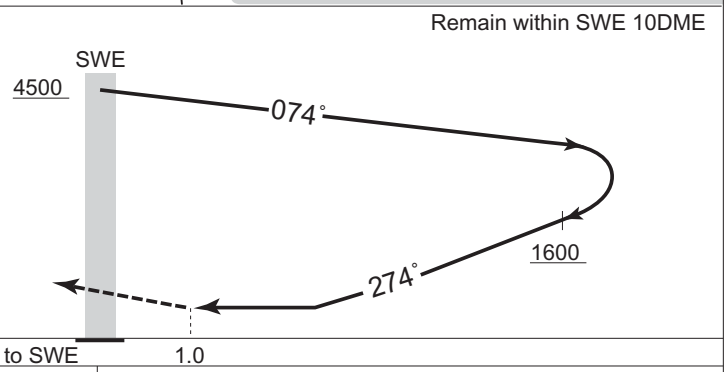
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — VOR B

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

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.

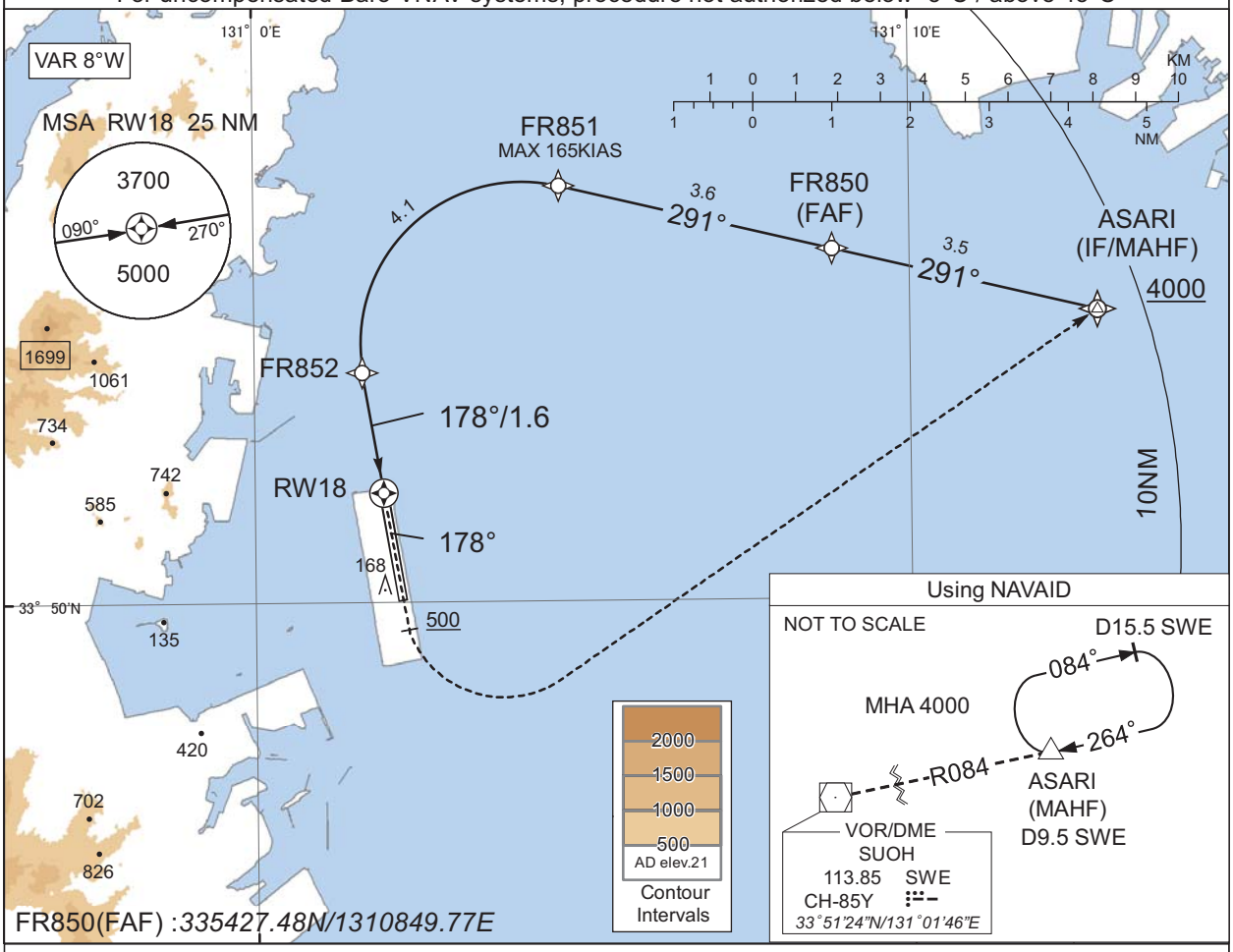
CHANGE : Description of VAR.

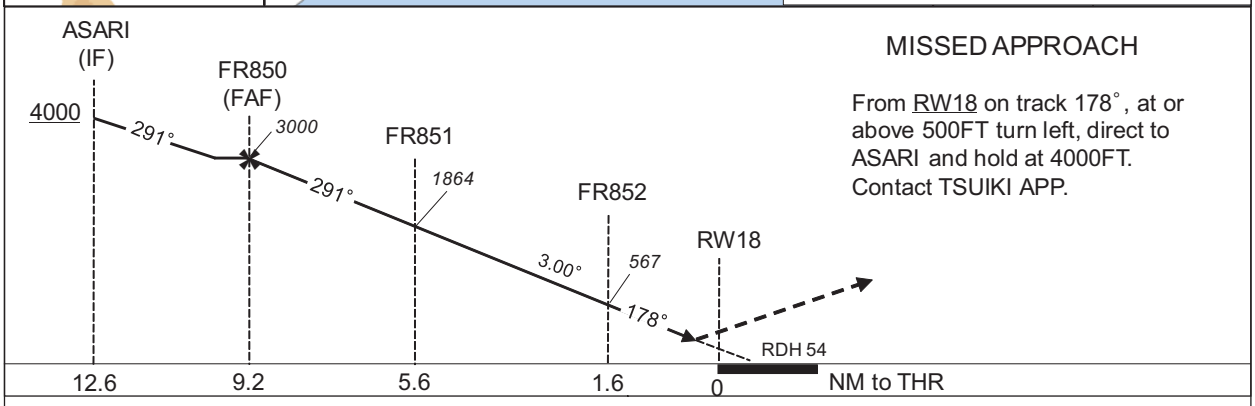
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — RNP RWY18(AR)

TSUIKI APP 119.225 - 315.9	RNP AR RF required.	KITAKYUSHU TOWER 118.85 - 126.2	1315 - 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport Office	RADAR AVBL CALL TSUIKI APP

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





MISSED APPROACH

From RW18 on track 178°, at or above 500FT turn left, direct to ASARI and hold at 4000FT. Contact TSUIKI APP.

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 22	AD elev. 21
CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	-	-
B		
C	322(300)	1000
D		1400

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

Authorization Required

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU RNP RWY18(AR)

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	-	-	-7.9	-	-	+4000	-	-	-
002	TF	FR850	-	291 (283.6)	-7.9	3.5	-	3000	-	-	1.0
003	TF	FR851	-	291 (283.5)	-7.9	3.6	-	1864	-165	-3.00	0.3
004	RF Center: FRRF1 r=2.06NM	FR852	-	-	-7.9	4.1	L	567	-	-3.00	0.3
005	TF	RW18	Y	178 (170.4)	-7.9	1.6	-	76	-	-3.00/54	0.3
006	FA	-	-	178 (170.4)	-7.9	-	-	+500	-	-	1.0
007	DF	ASARI	-	-	-7.9	-	L	4000	-	-	1.0

Waypoint Coordinates

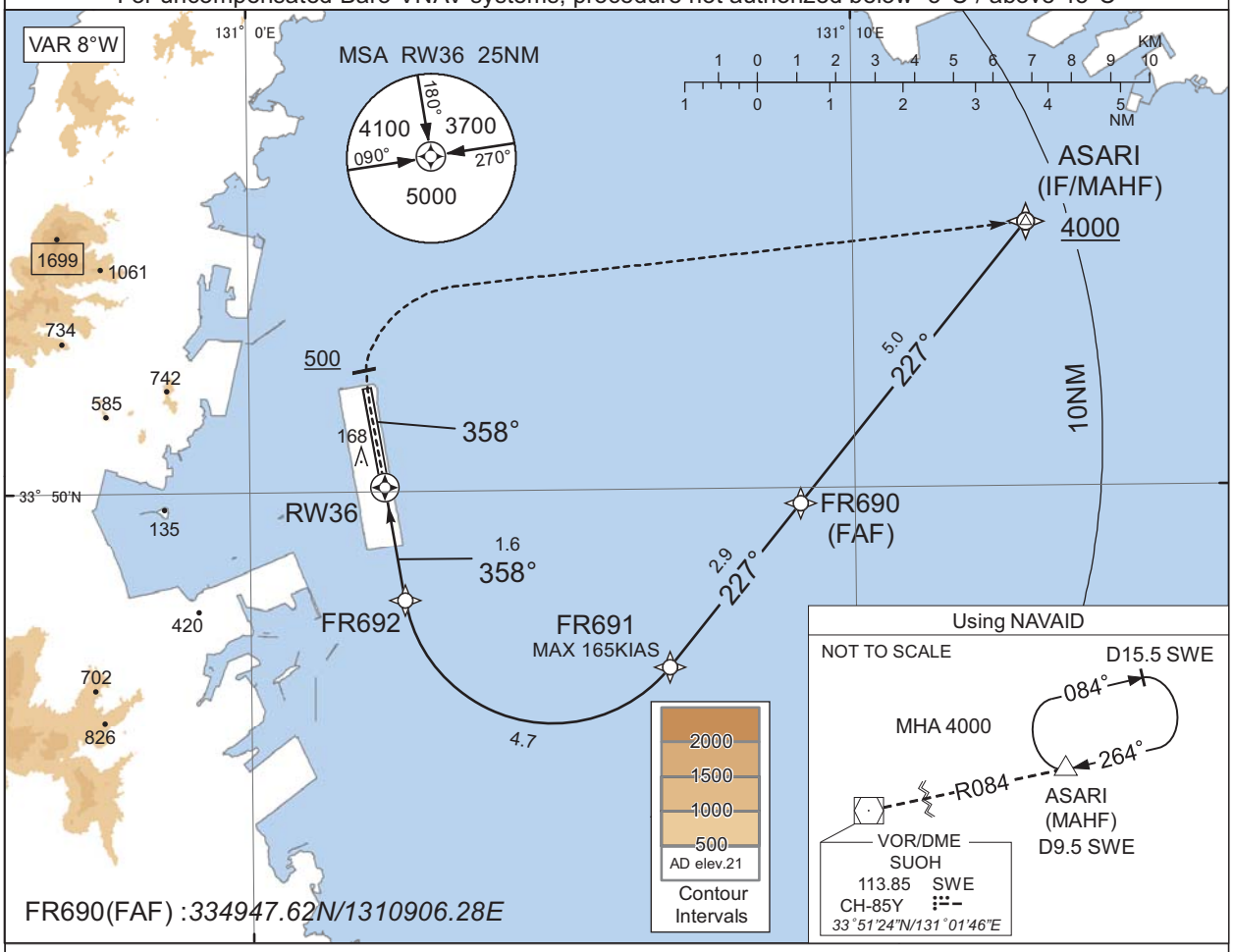
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASARI	*335338.98N / 1311252.32E*	FRRF1	*335316.61N / 1310405.62E*
FR850	*335427.48N / 1310849.77E*		
FR851	*335517.24N / 1310440.15E*		
FR852	*335255.76N / 1310139.03E*		
RW18	*335123.92N / 1310157.83E*		

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU — RNP RWY36(AR)

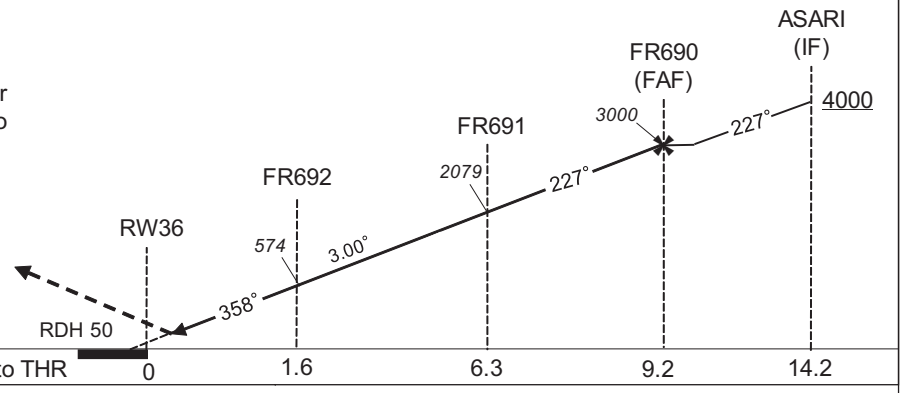
TSUIKI APP 119.225 - 315.9	RNP AR RF required.	KITAKYUSHU TOWER 118.85 - 126.2	1315 - 2245(UTC) KITAKYUSHU RADIO 118.85 AFIS provided by Fukuoka Airport Office	RADAR AVBL CALL TSUIKI APP

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



MISSED APPROACH

From RW36 on track 358°, at or above 500FT turn right, direct to ASARI and hold at 4000FT. Contact TSUIKI APP.



Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 23	AD elev. 21
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B		
C	329(306)	1400
D		1600

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

Authorization Required

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU RNP RWY36(AR)

Coding Table

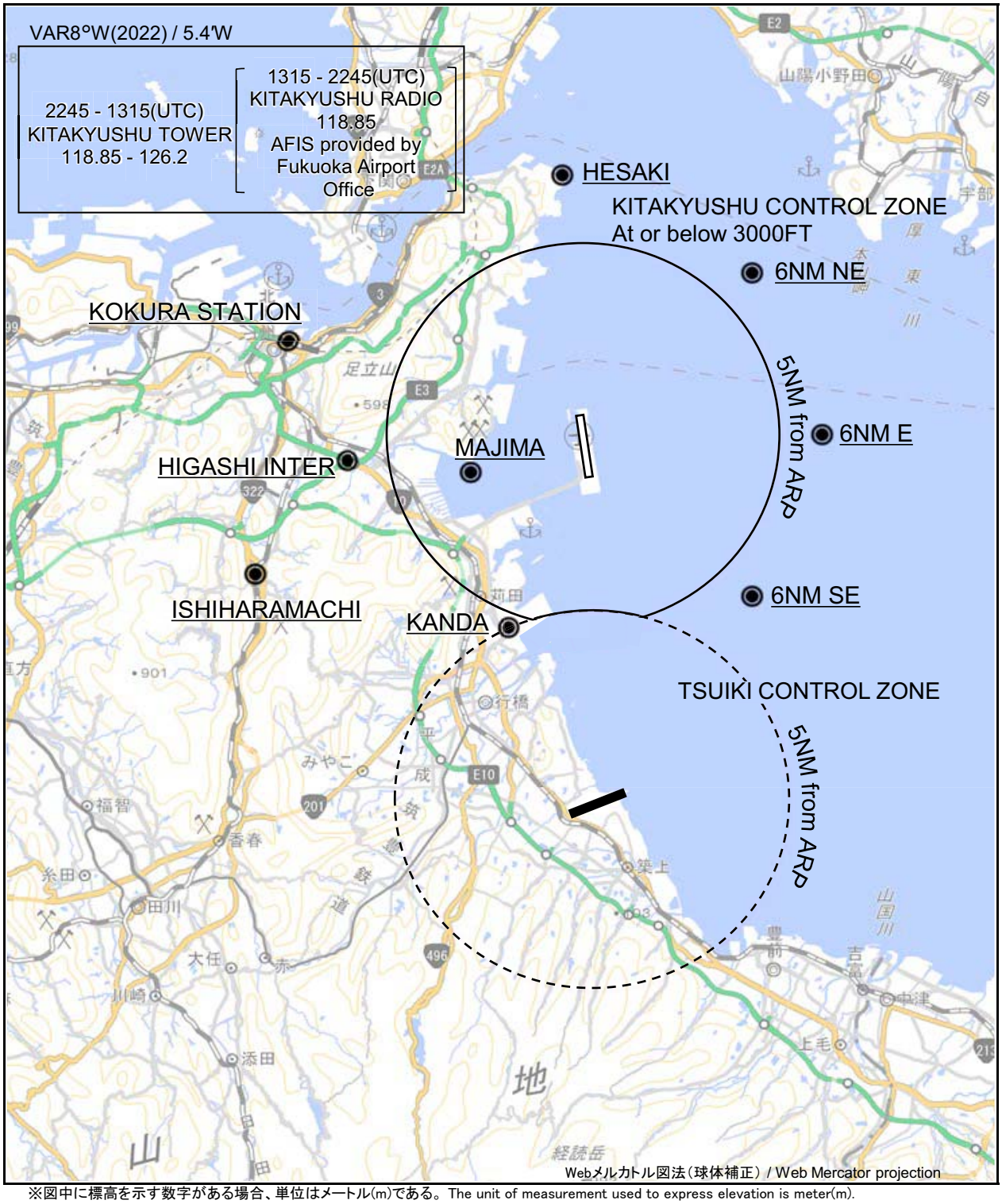
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ASARI	-	-	-7.9	-	-	+4000	-	-	-
002	TF	FR690	-	227 (219.1)	-7.9	5.0	-	3000	-	-	1.0
003	TF	FR691	-	227 (219.0)	-7.9	2.9	-	2079	-165	-3.00	0.3
004	RF Center: FRRF2 r=2.06NM	FR692	-	-	-7.9	4.7	R	574	-	-3.00	0.3
005	TF	RW36	Y	358 (350.4)	-7.9	1.6	-	73	-	-3.00/50	0.3
006	FA	-	-	358 (350.4)	-7.9	-	-	+500	-	-	1.0
007	DF	ASARI	-	-	-7.9	-	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 : Map updated.

※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).

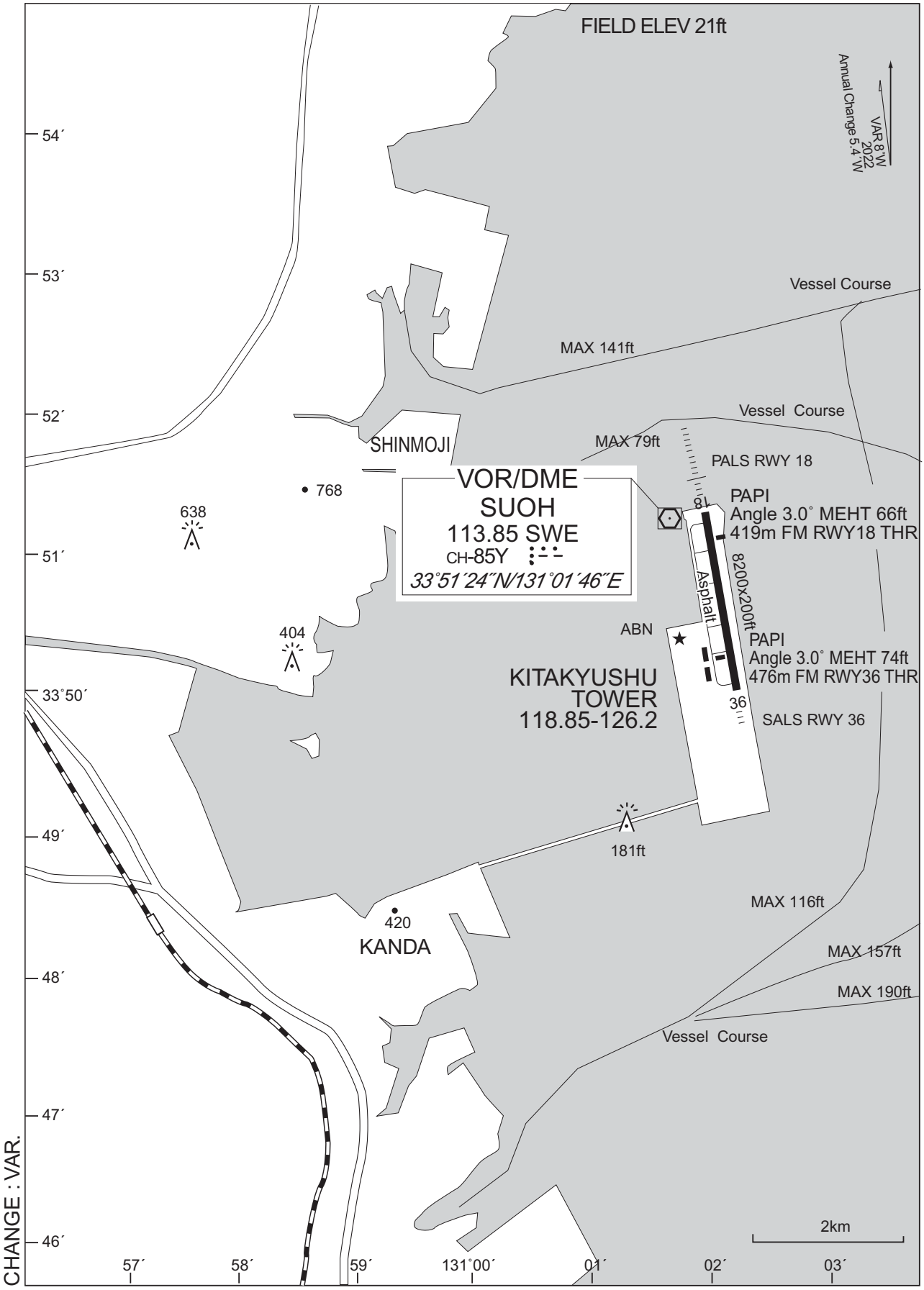
RJFR / KITAKYUSHU

Visual REP

Call sign	BRG / DIST from ARP	Remarks
部崎 Hesaki	355°T / 6.8NM	灯台 Lighthouse
6NM NE	045°T / 6.0NM	海上 Over the sea
6NM E	090°T / 6.0NM	海上 Over the sea
6NM SE	135°T / 6.0NM	海上 Over the sea
苅田 Kanda	202°T / 5.5NM	日産自動車九州工場 Automobile manufacturing plant
石原町 Ishiharamachi	247°T / 9.2NM	JR石原町駅 Station
間島 Majima	252°T / 3.1NM	島 Island
東インター Higashi Inter	263°T / 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°T / 8.0NM	JR小倉駅 Station

CHANGE : BRG/DIST from ARP. Remarks(Kanda).

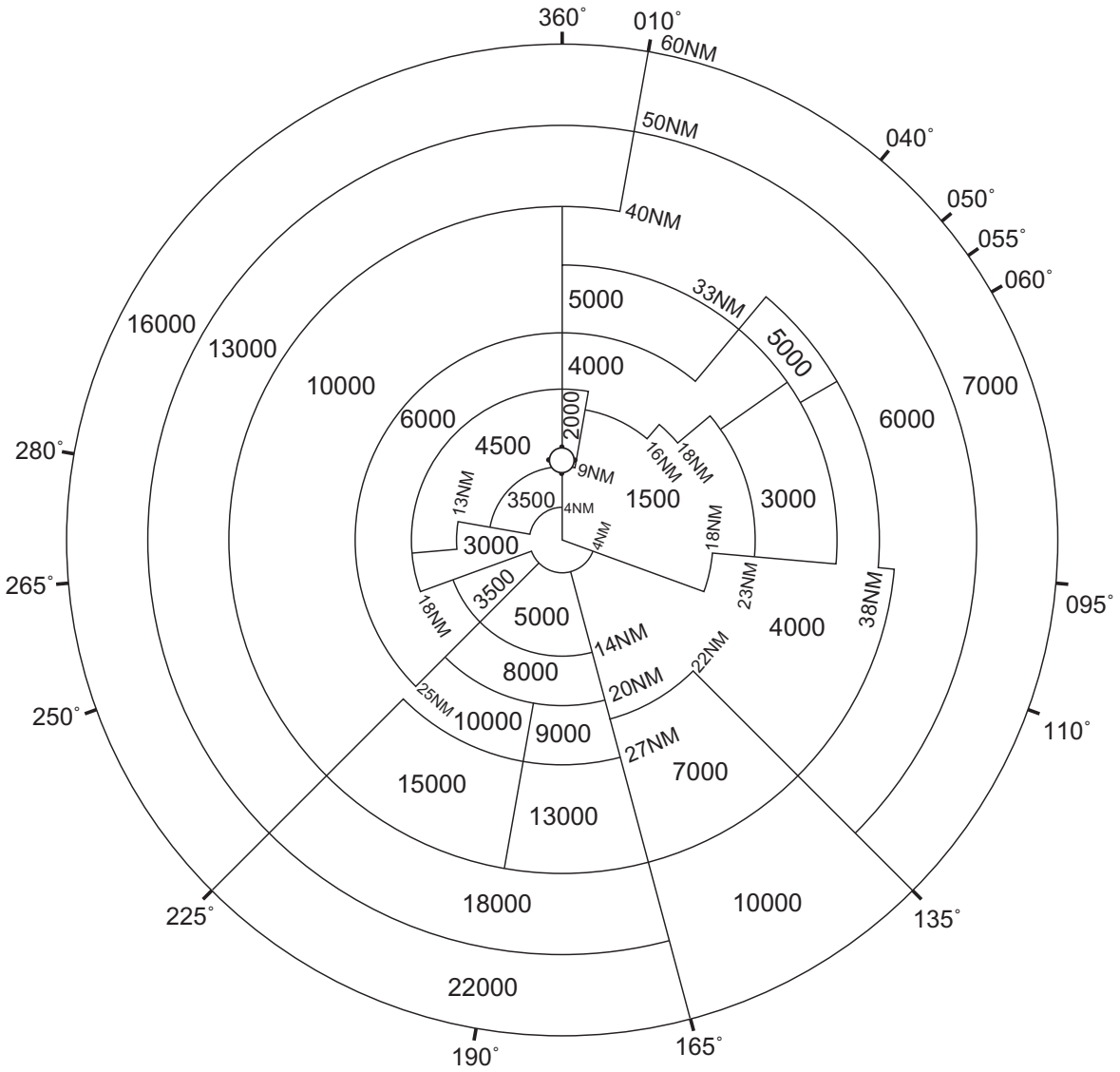
RJFR / KITAKYUSHU LDG CHART



RJFR / KITAKYUSHU

Minimum Vectoring Altitude CHART

VAR 8˚W (2022)



CENTER : *334041N/1310204E* (RJFZ RADAR SITE)

CHANGE : VAR.