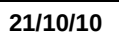


AD CHART



STANDARD DEPARTURE CHART - INSTRUMENT

RJFR / KITAKYUSHU

SID

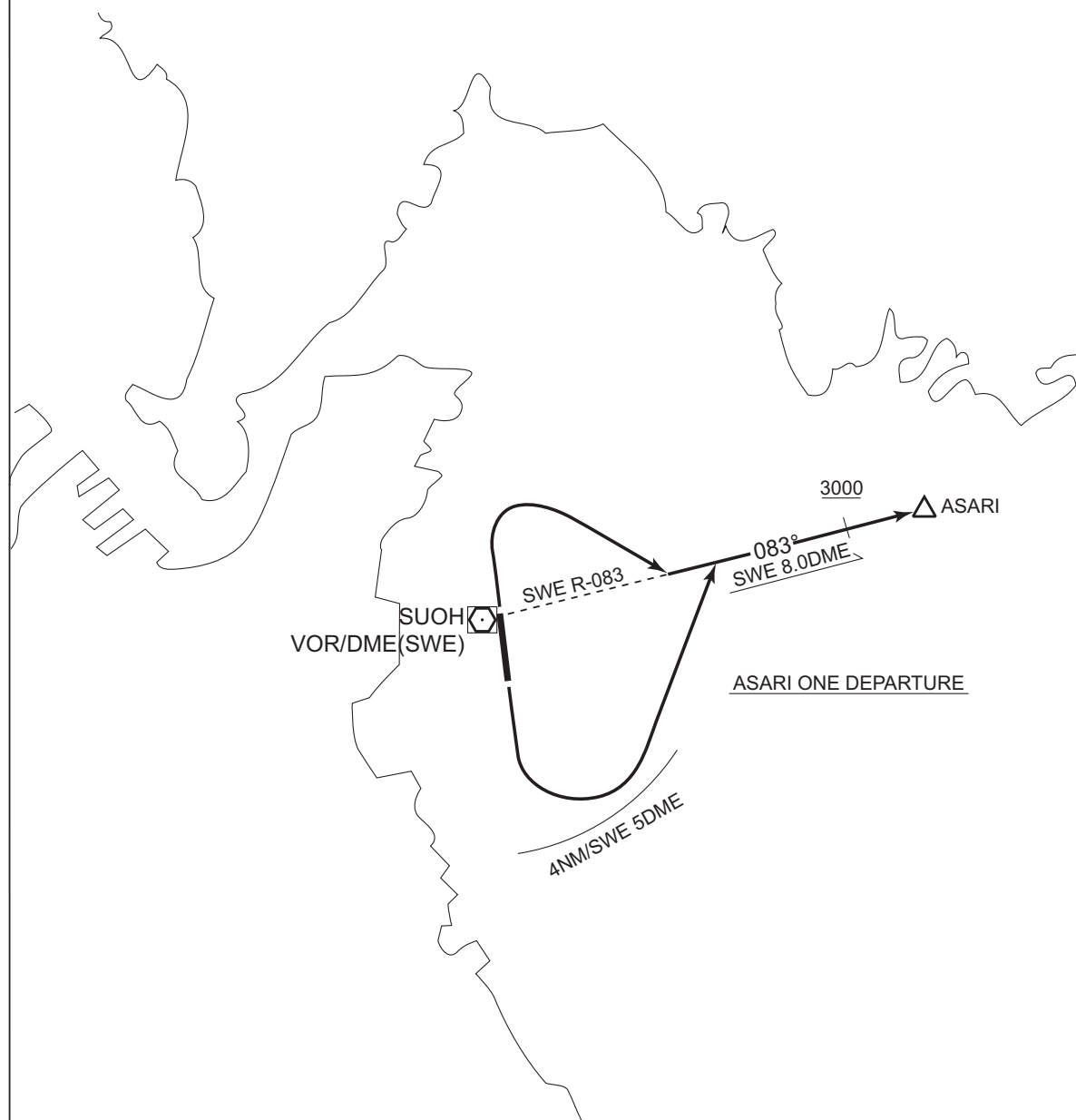
ASARI ONE DEPARTURE

RWY 36 : Turn right,...

RWY 18 : Turn left, complete turn within 4NM (SWE 5DME), ...

...Climb via SWE R-083 to ASARI.

Cross SWE R-083/8DME at or above 3,000ft.



RJFR / KITAKYUSHU

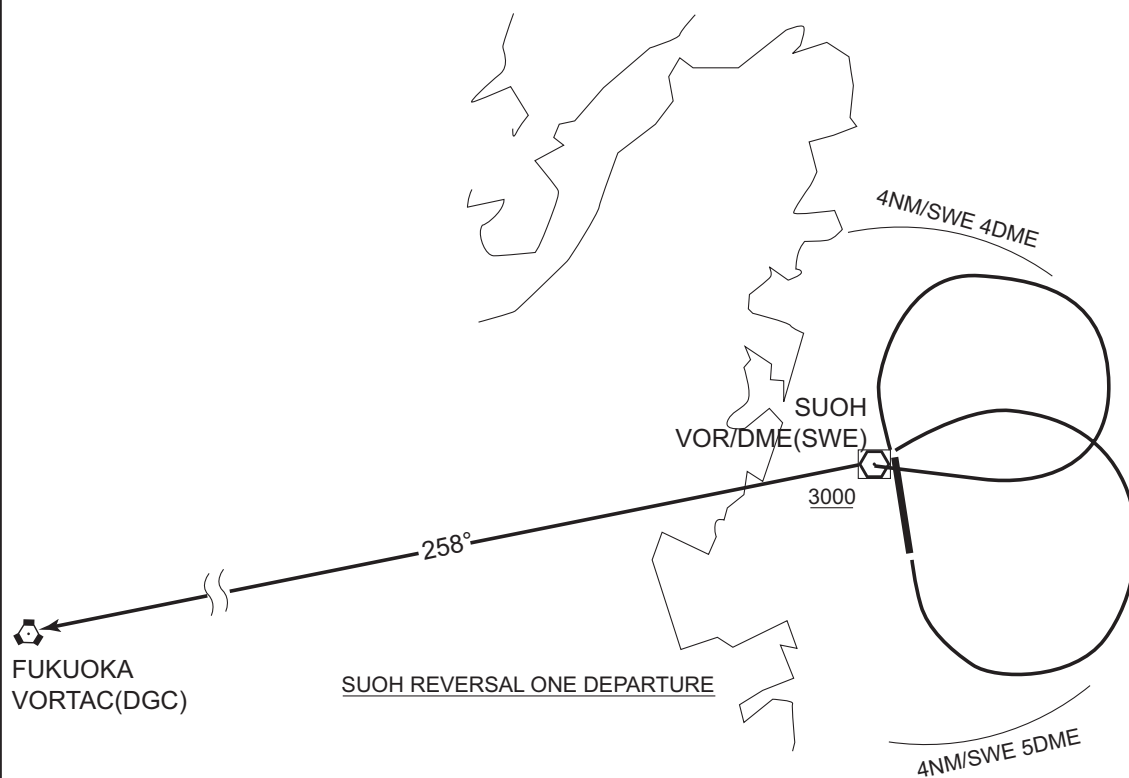
SID

SUOH REVERSAL ONE DEPARTURE

RWY 36 : Turn right, complete turn within 4NM (SWE 4DME), ...

RWY 18 : Turn left, complete turn within 4NM (SWE 5DME), ...

...proceed to SWE VOR/DME, then climb via SWE R-258(DGC R-078) to DGC VORTAC.
Cross SWE VOR/DME at or above 3,000ft.



RJFR / KITAKYUSHU

TRANSITION

KUGA TRANSITION

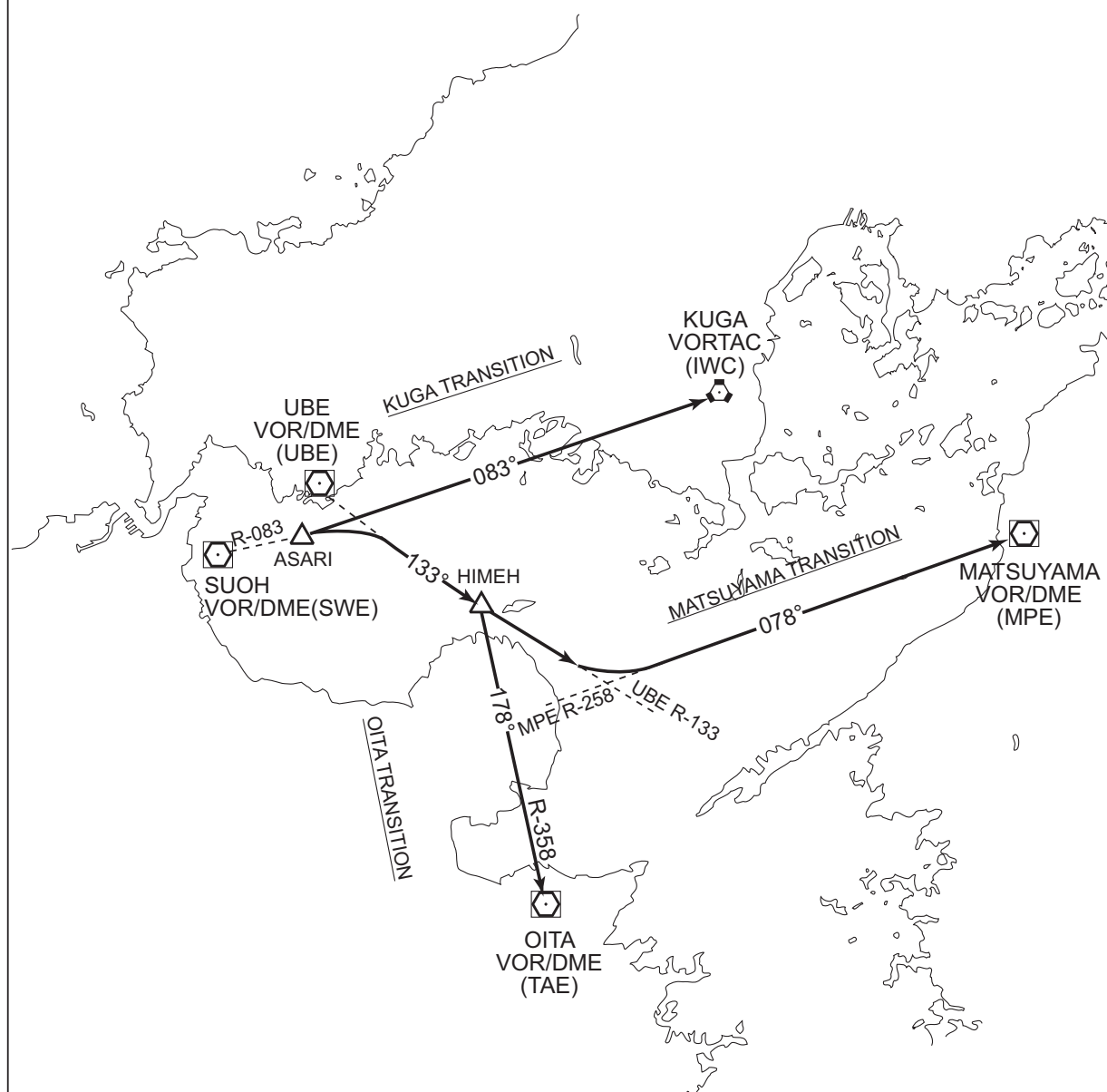
From over ASARI, proceed via SWE R-083 to IWC VORTAC.

MATSUYAMA TRANSITION

From over ASARI, via SWE R-083 to intercept and proceed via UBE R-133 to HIMEH, then via UBE R-133 to intercept and proceed via MPE R-258 to MPE VOR/DME.

OITA TRANSITION

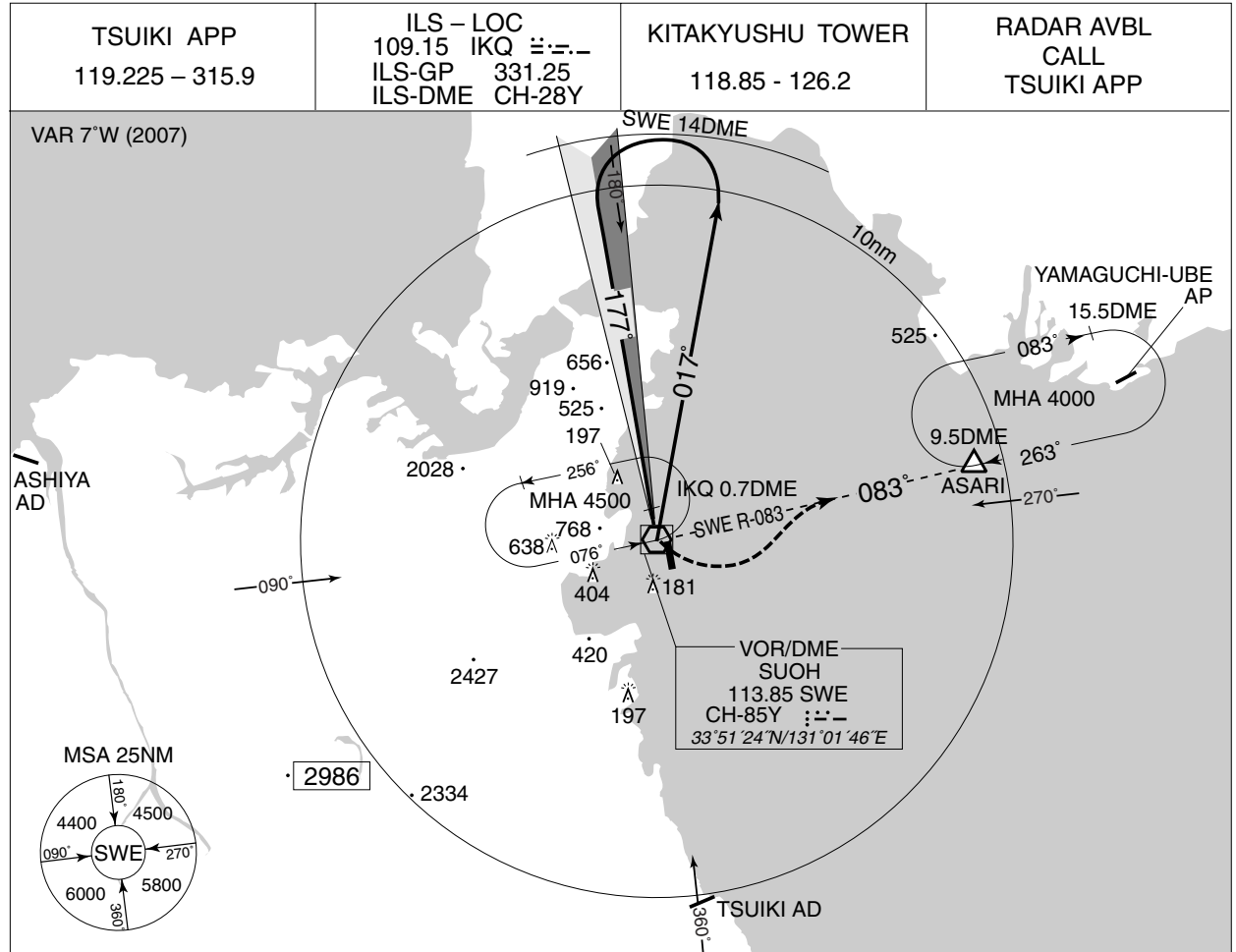
From over ASARI, via SWE R-083 to intercept and proceed via UBE R-133 to HIMEH, then via TAE R-358 to TAE VOR/DME.



INSTRUMENT APPROACH CHART

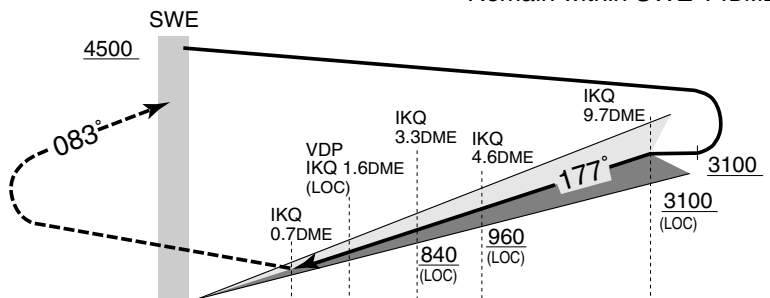
RJFR / KITAKYUSHU

VOR/DME/ILS RWY 18



MISSED APPROACH
 At DA, turn left and climb to 4,000ft,
 via SWE R-083 to ASARI and hold.
 Contact TSUIKI APP.

Remain within SWE 14DME



MINIMA

THR elev. 22

AD elev. 21

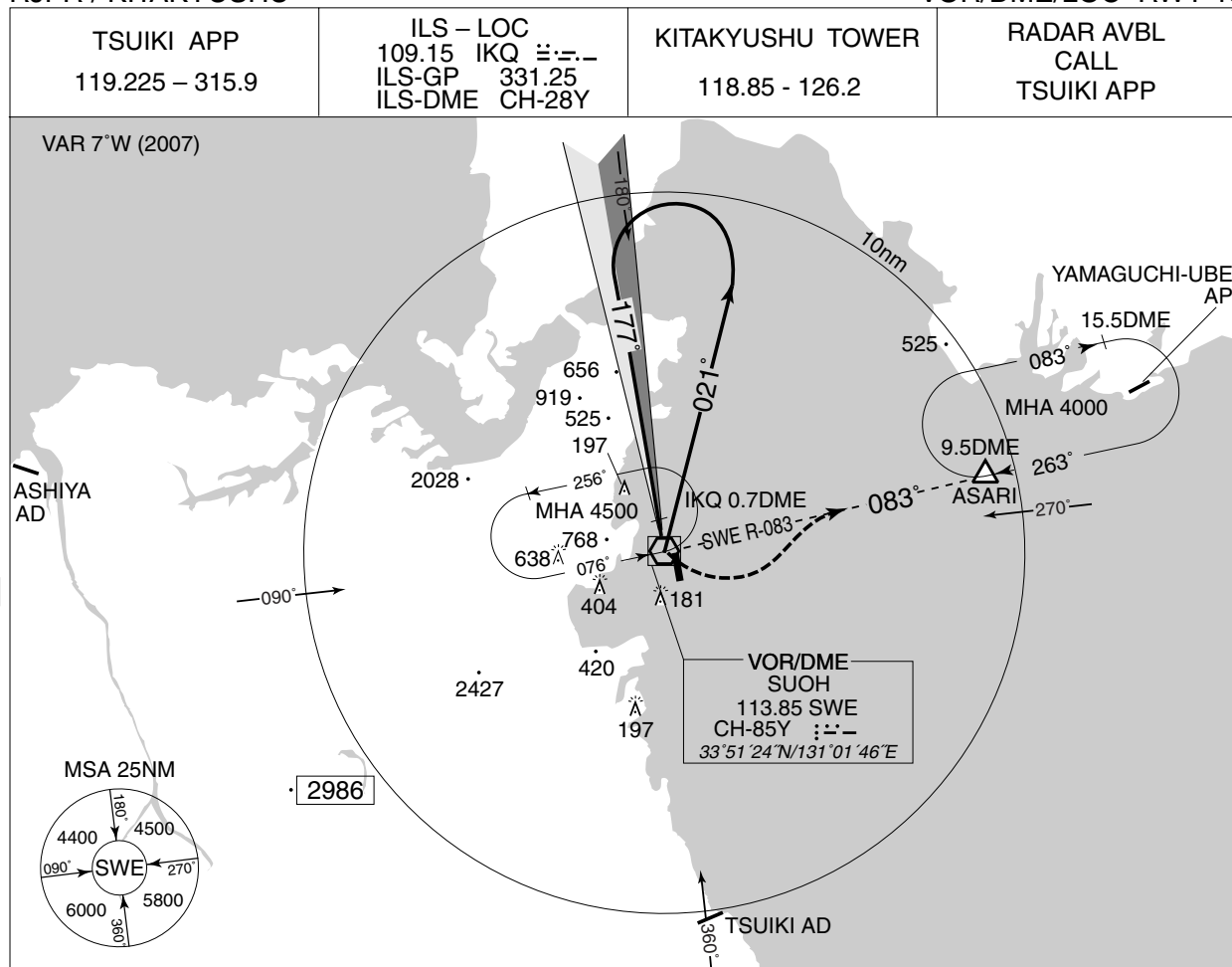
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	222 (200)	550	500 (479)	1000	500 (479)	1600
B				1200		2400
C				1600		3200
D				1600		3200

Circling to East side of RWY only.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

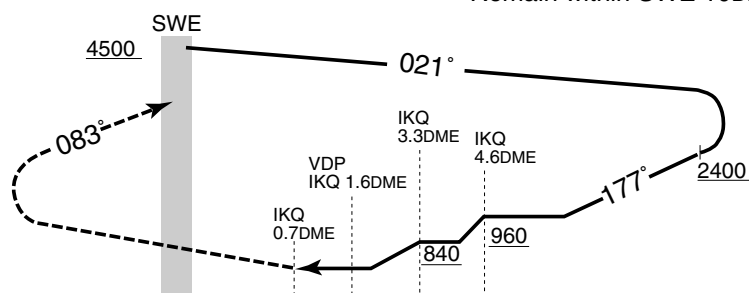
VOR/DME/LOC RWY 18



MISSED APPROACH

At IKQ 0.7DME, turn left and climb to 4,000ft, via SWE R-083 to ASARI and hold.
Contact TSUIKI APP.

Remain within SWE 10DME



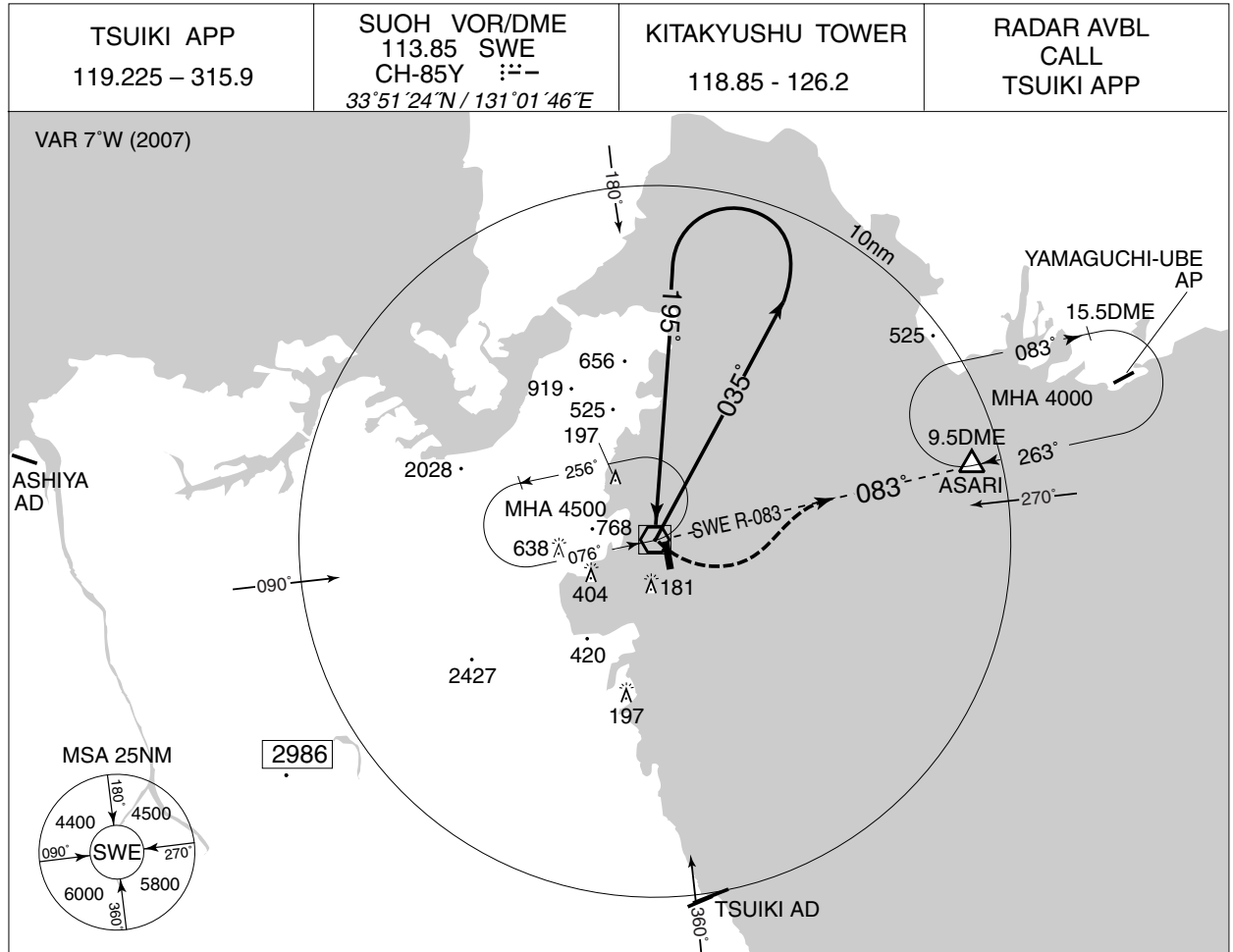
MINIMA		THR elev. 22	AD elev. 21	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (479)	1000	500 (479)	1600
B		1200		2400
C				
D		1600	580 (559)	3200

Circling to East side of RWY only.

INSTRUMENT APPROACH CHART

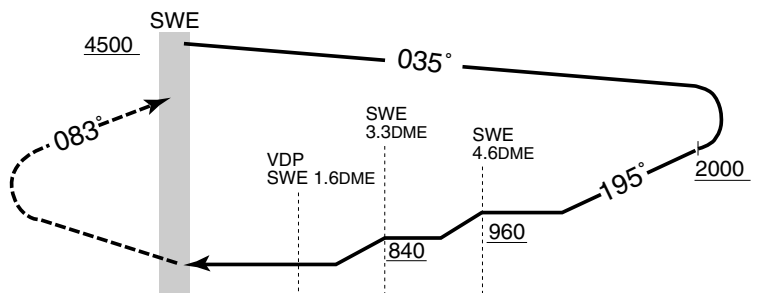
RJFR / KITAKYUSHU

VOR/DME RWY 18



MISSED APPROACH
At SWE VOR/DME, turn left and climb to 4,000ft, via SWE R-083 to ASARI and hold. Contact TSUIKI APP.

Remain within SWE 10DME



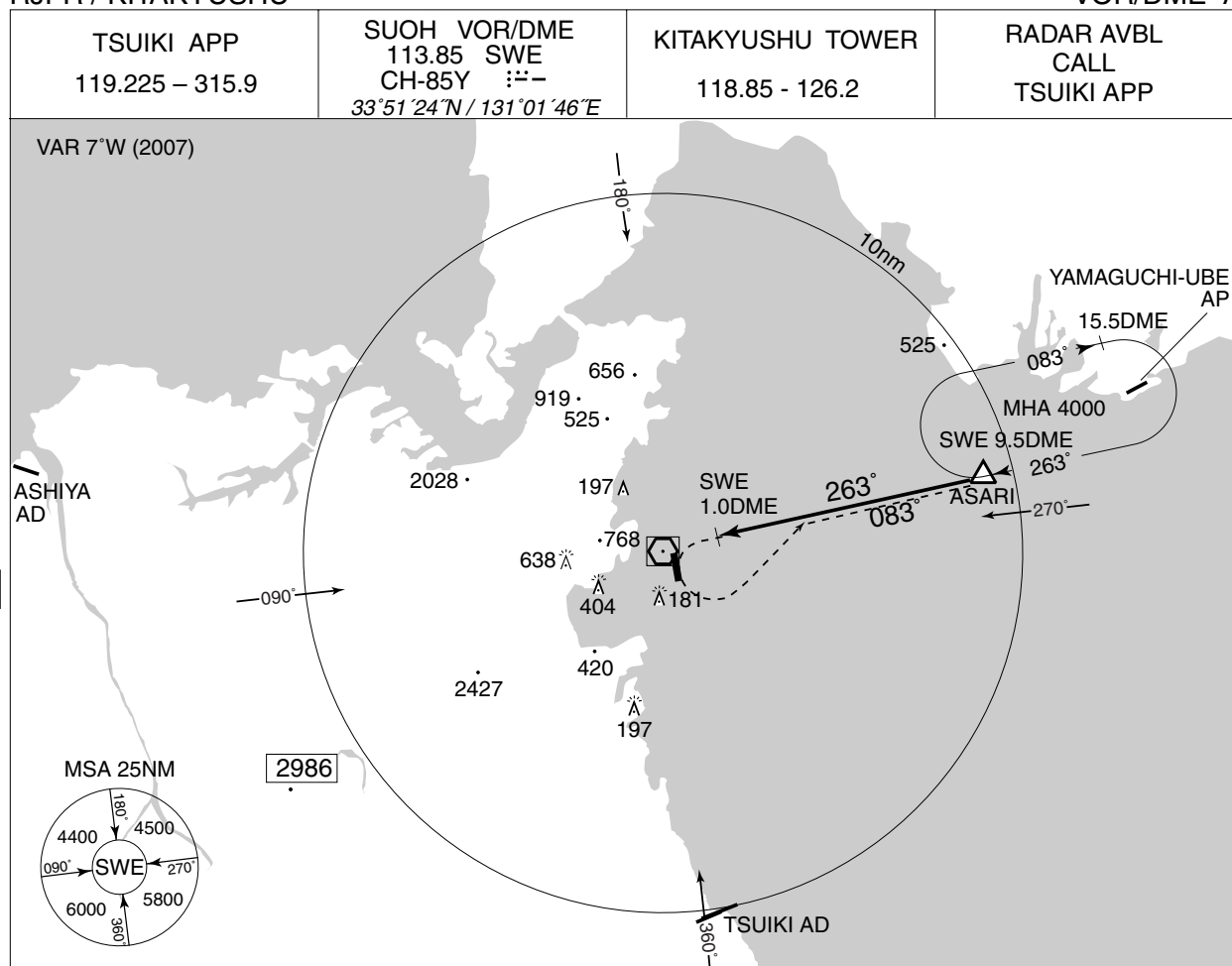
MINIMA		THR elev. 22	AD elev. 21	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (479)	1000	500 (479)	1600
B		1200		2400
C				
D		1600	580 (559)	3200

Circling to East side of RWY only.

INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

VOR/DME A

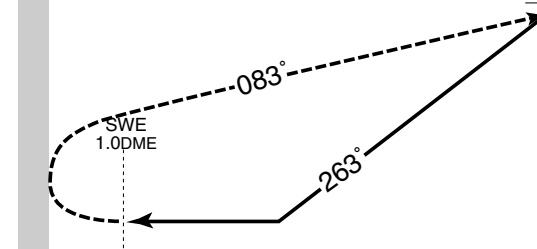


MISSED APPROACH

At 1.0DME prior to SWE VOR/DME,
turn left and climb to 4,000ft, via
SWE R-083 to ASARI and hold.
Contact TSUIKI APP.

SWE

ASARI
SWE R-083/9.5DME
4000



MINIMA

AD elev. 21

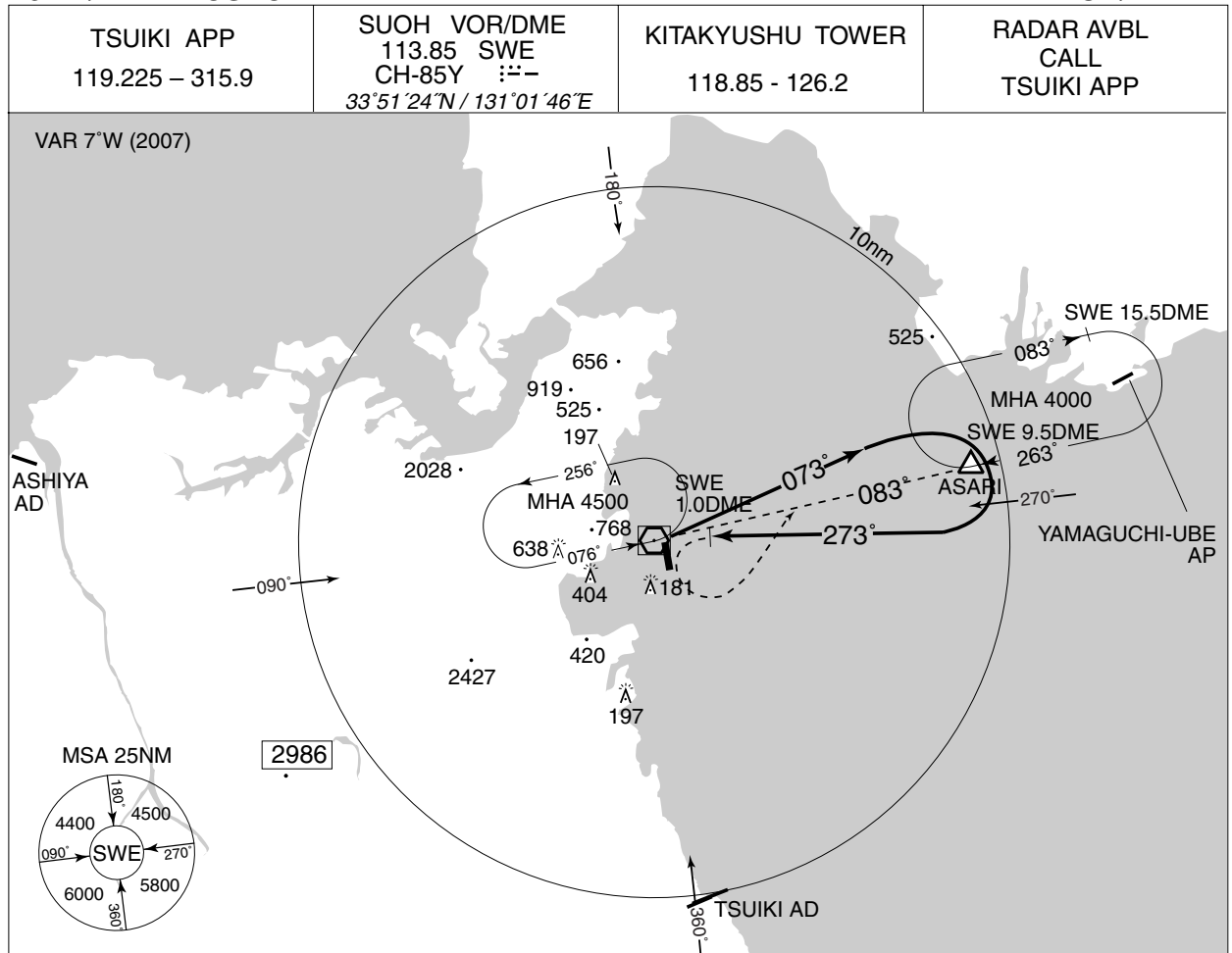
CAT	CIRCLING	
	MDA(H)	VIS
A	1000 (979)	1600
B		2400
C		3200
D		

Circling to East side of RWY only.

INSTRUMENT APPROACH CHART

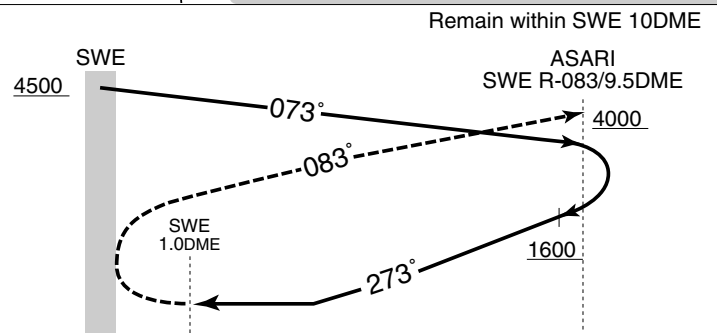
RJFR / KITAKYUSHU

VOR/DME B



MISSED APPROACH

At 1.0DME prior to SWE VOR/DME, turn left and climb to 4,000ft, via SWE R-083 to ASARI and hold. Contact TSUIKI APP.



MINIMA

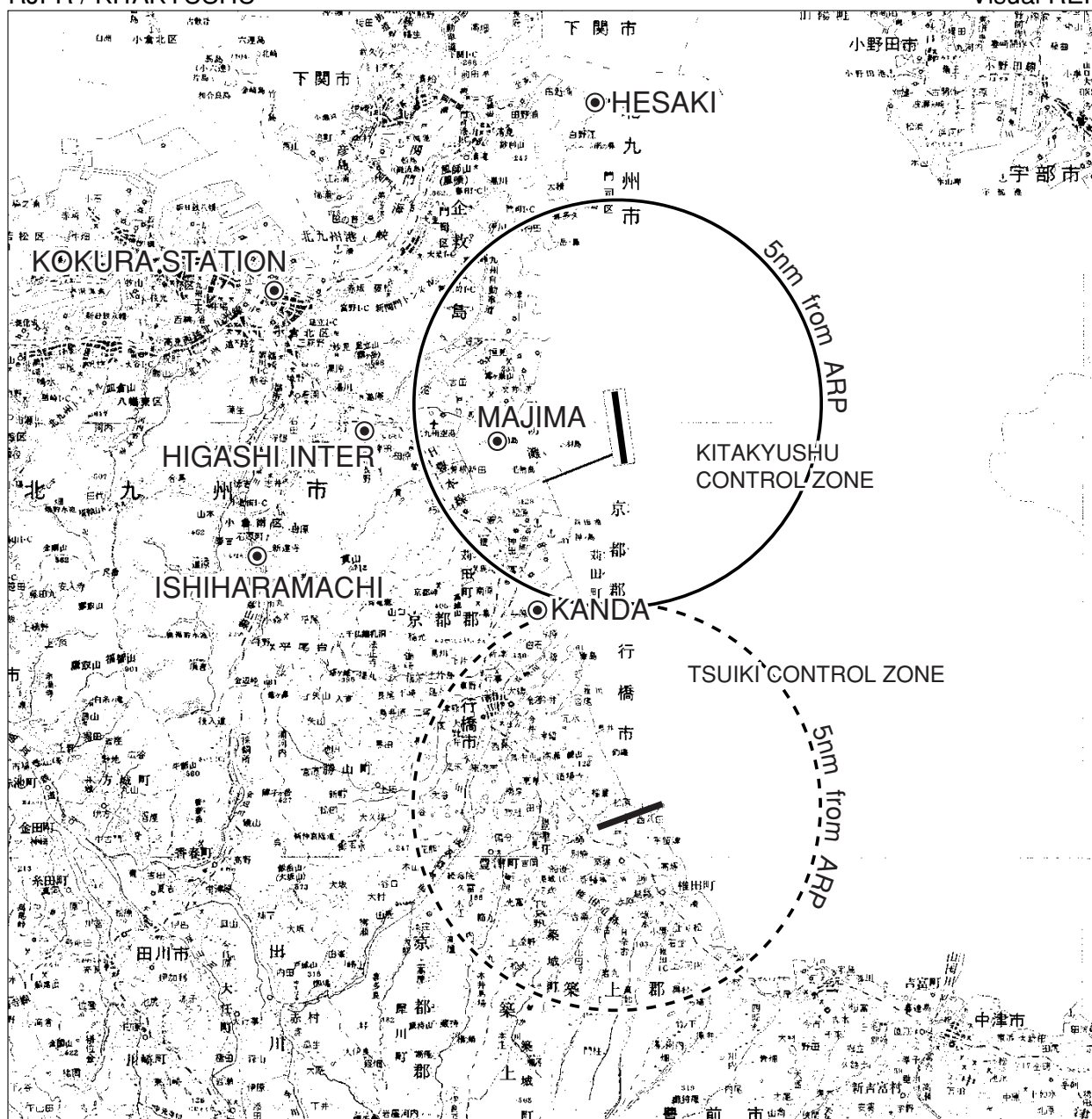
AD elev. 21

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

Circling to East side of RWY only.

RJFR / KITAKYUSHU

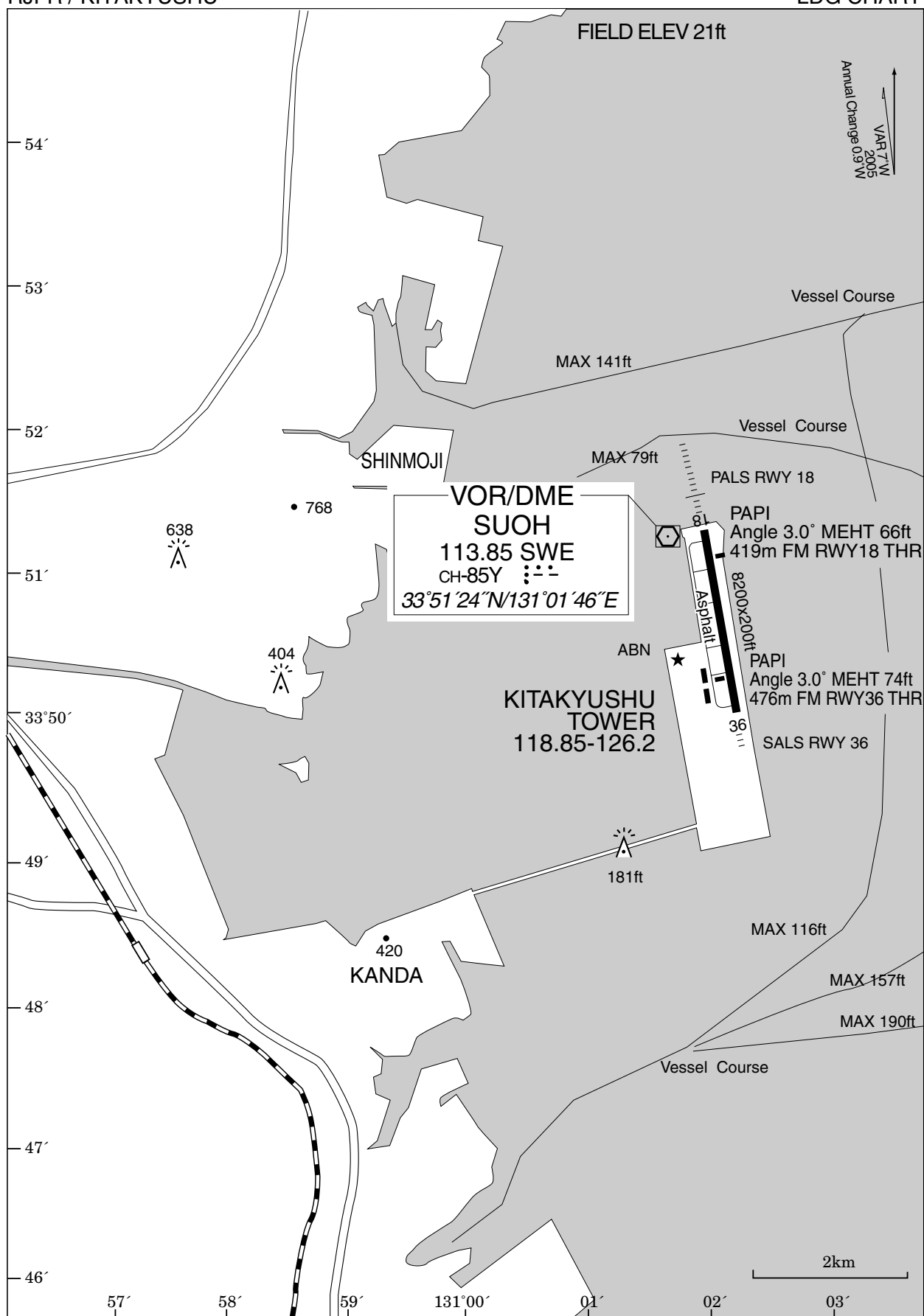
Visual REP



Call sign	BRG / DIST from ARP	Remarks
部 崎 Hesaki	355°/6.8NM	灯台 Lighthouse
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

RJFR / KITAKYUSHU

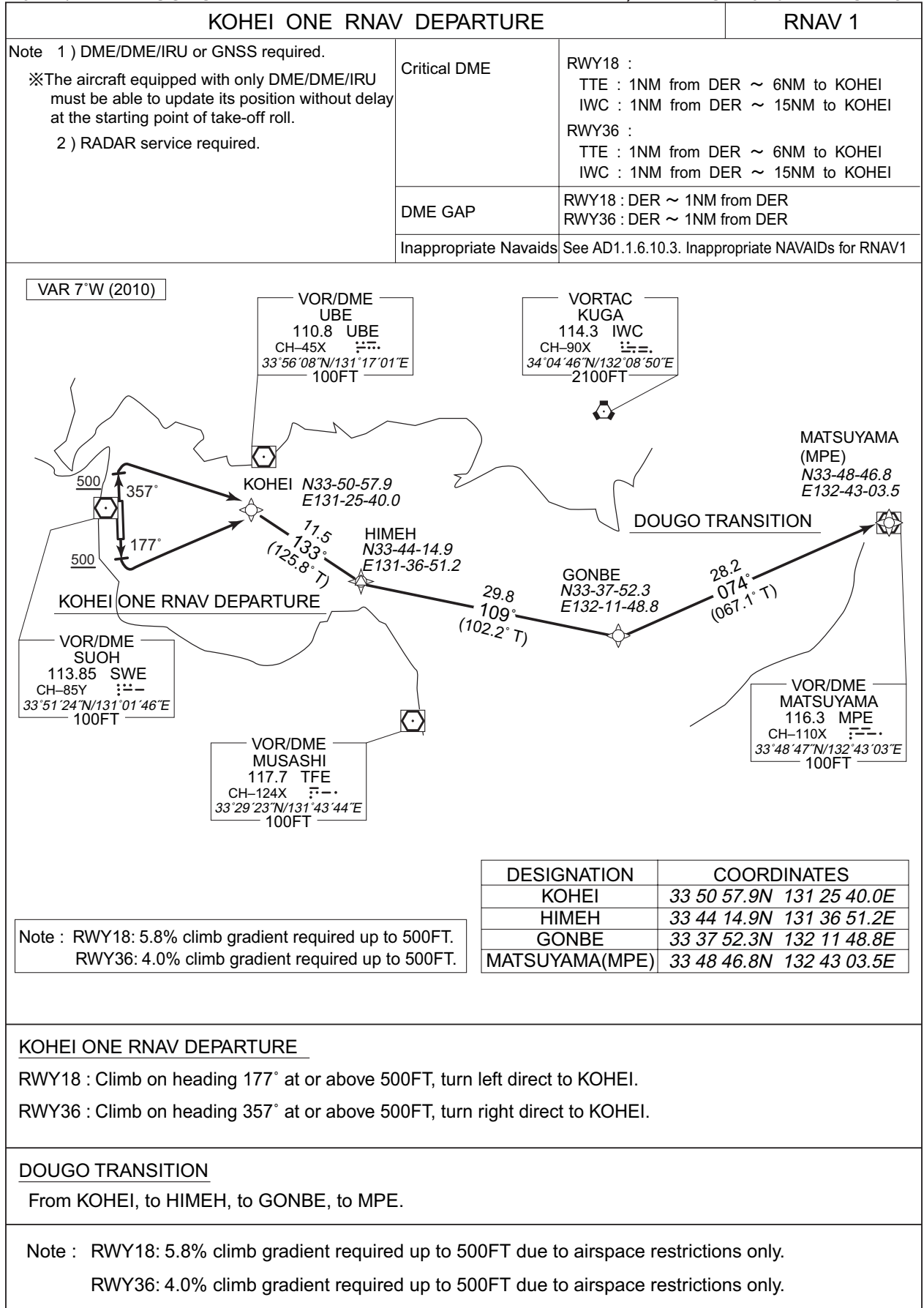
LDG CHART



STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

➡ RNAV SID and TRANSITION



STANDARD DEPARTURE CHART-INSTRUMENT

RJFR / KITAKYUSHU

➔ RNAV SID and TRANSITION

KOHEI ONE RNAV DEPARTURE

RWY18

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	177° (170.4°)	—	+500	—	—	RNAV1
DF	KOHEI	—	—	—	L	—	—	—	RNAV1

RWY36

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	357° (350.4°)	—	+500	—	—	RNAV1
DF	KOHEI	—	—	—	R	—	—	—	RNAV1

DOUGO TRANSITION

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	KOHEI	—	—	—	—	—	—	—	RNAV1
TF	HIMEH	—	11.5	133° (125.8°)	—	—	—	—	RNAV1
TF	GONBE	—	29.8	109° (102.2°)	—	—	—	—	RNAV1
TF	MPE	—	28.2	074° (067.1°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART-INSTRUMENT

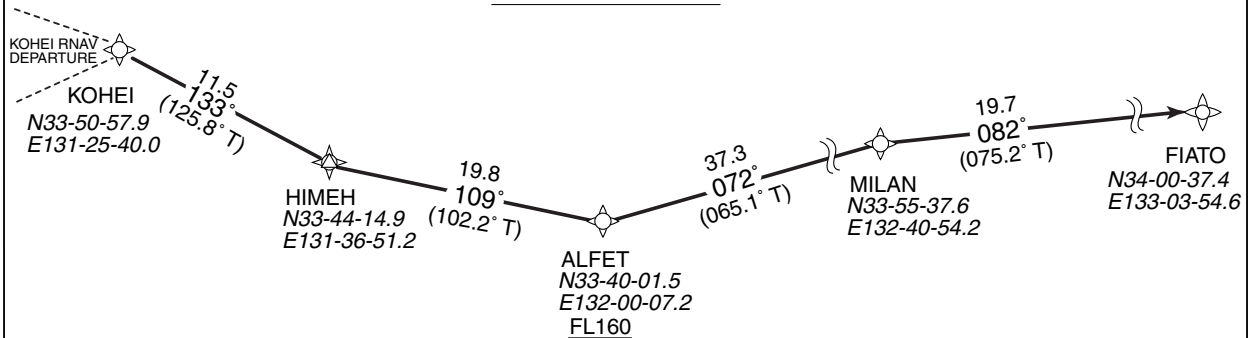
RJFR / KITAKYUSHU

➔ RNAV TRANSITION

FIATO TRANSITION			RNAV 1
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 7°W (2012)

FIATO TRANSITION



FIATO TRANSITION

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

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	KOHEI	—	—	—	—	—	—	—	RNAV1
TF	HIMEH	—	11.5	133° (125.8°)	—	—	—	—	RNAV1
TF	ALFET	—	19.8	109° (102.2°)	—	+FL160	—	—	RNAV1
TF	MILAN	—	37.3	072° (065.1°)	—	—	—	—	RNAV1
TF	FIATO	—	19.7	082° (075.2°)	—	—	—	—	RNAV1

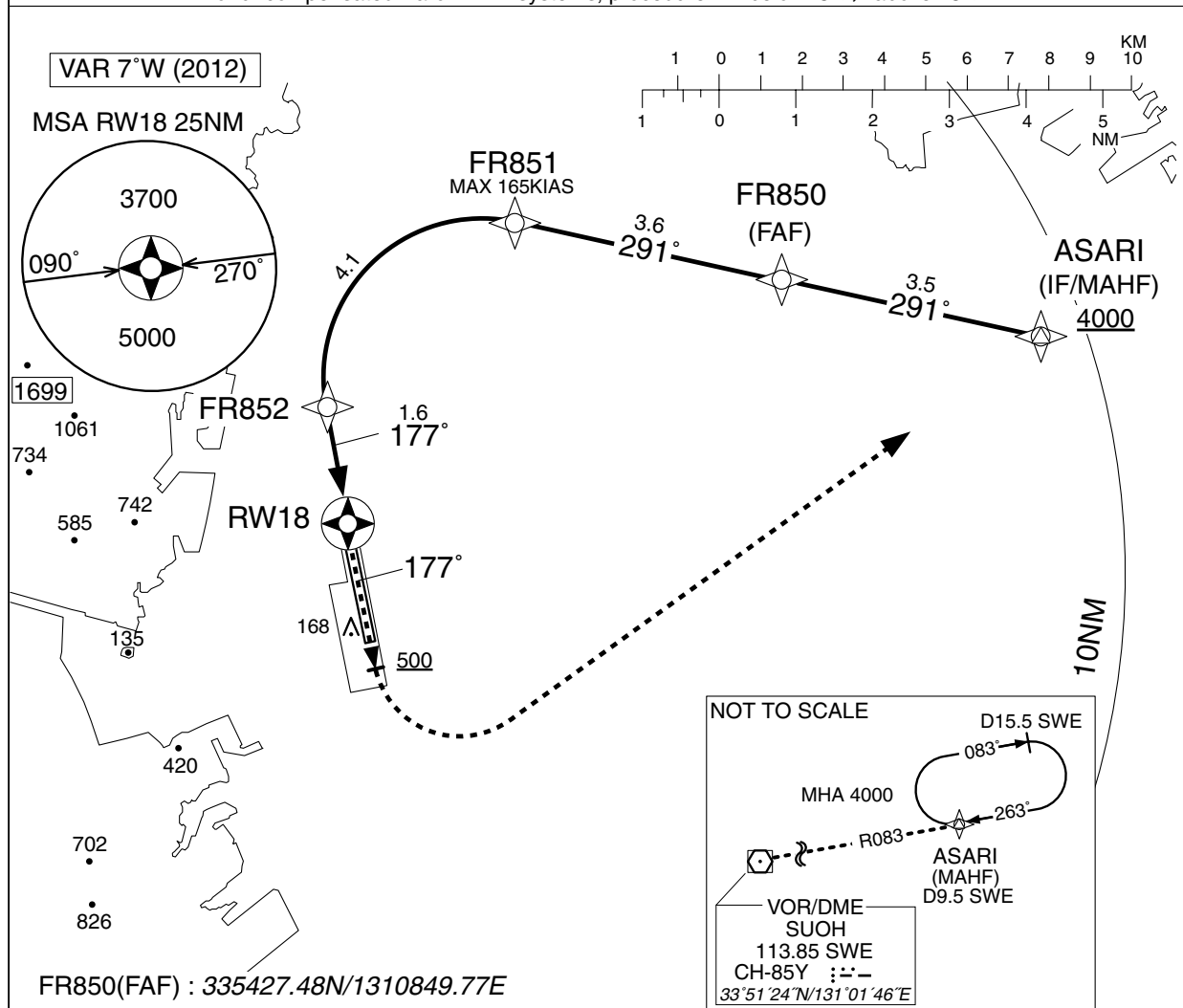
INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

RNAV(RNP) RWY18

TSUIKI APP 119.225 – 315.9	GNSS and RF required.	KITAKYUSHU TOWER 118.85 - 126.2	RADAR AVBL CALL TSUIKI APP
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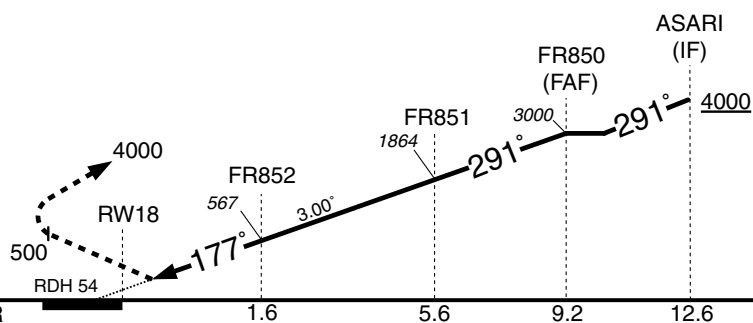
For uncompensated Baro-VNAV systems, procedure NA below -5°C / above 45°C



MISSED APPROACH

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

Contact TSUIKI APP.



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) RWY18Coding 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	—	—	-165	—	0.3
004	RF Center: FRRF1 r=2.06NM	FR852	—	—	-7.1	4.1	L	—	—	—	0.3
005	TF	RW18	Y	177 (170.4)	-7.1	1.6	—	—	—	-3.00/54	0.3
006	FA	—	—	177 (170.4)	-7.1	—	—	+500	—	—	1.0
007	DF	ASARI	—	—	-7.1	—	L	4000	—	—	1.0

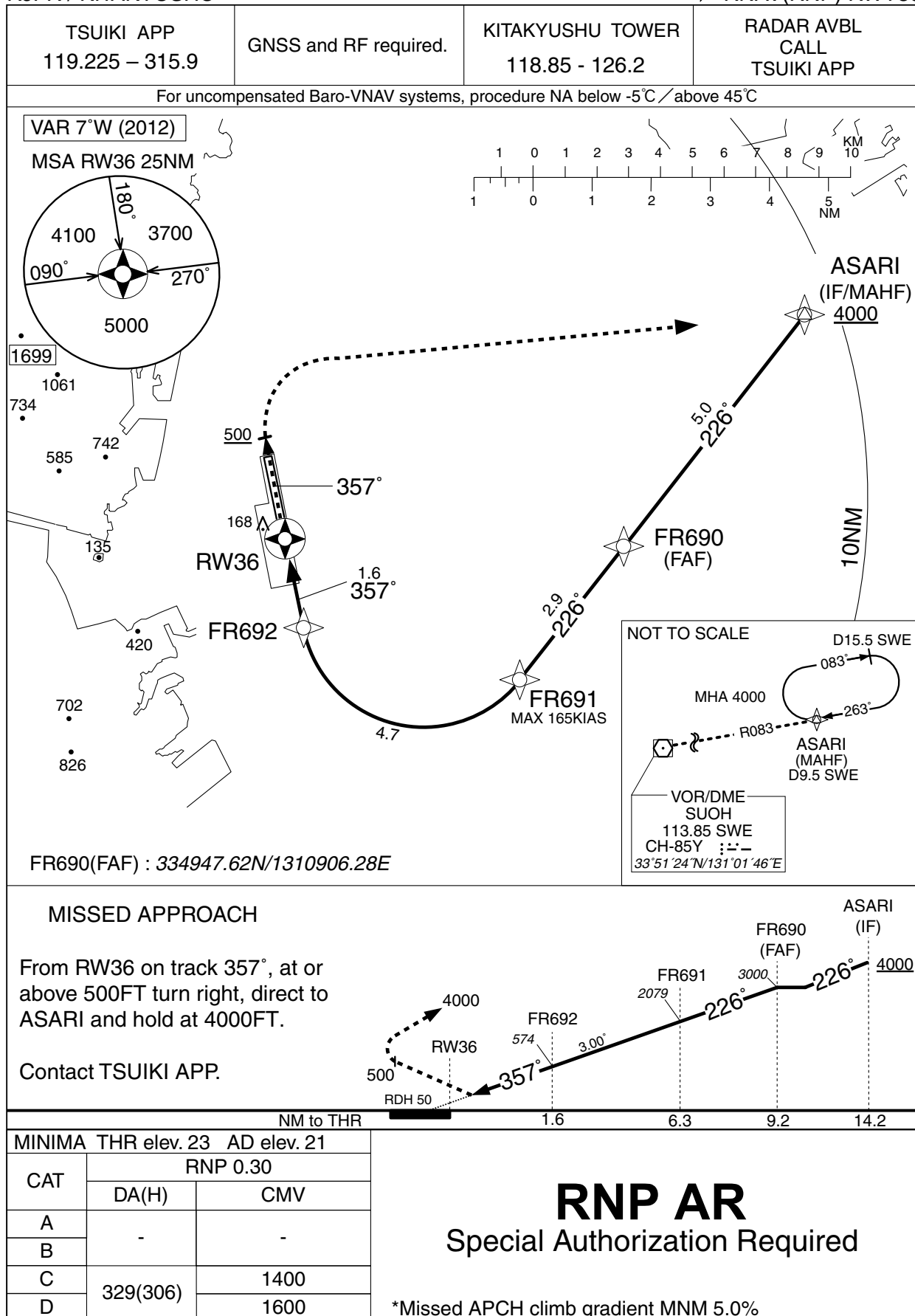
Waypoint Coordinates

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



INSTRUMENT APPROACH CHART

RJFR / KITAKYUSHU

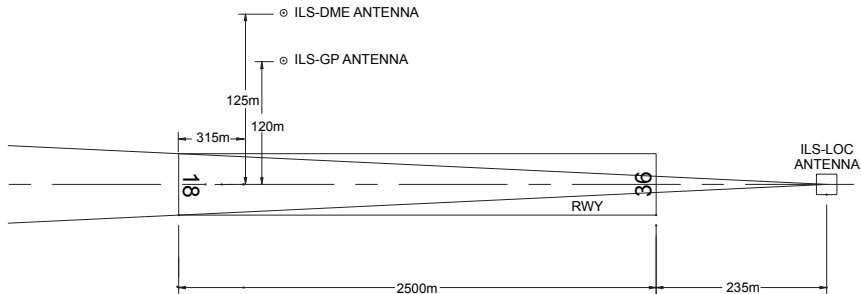
➔ RNAV(RNP) RWY36

RNAV(RNP) RWY36Coding Table

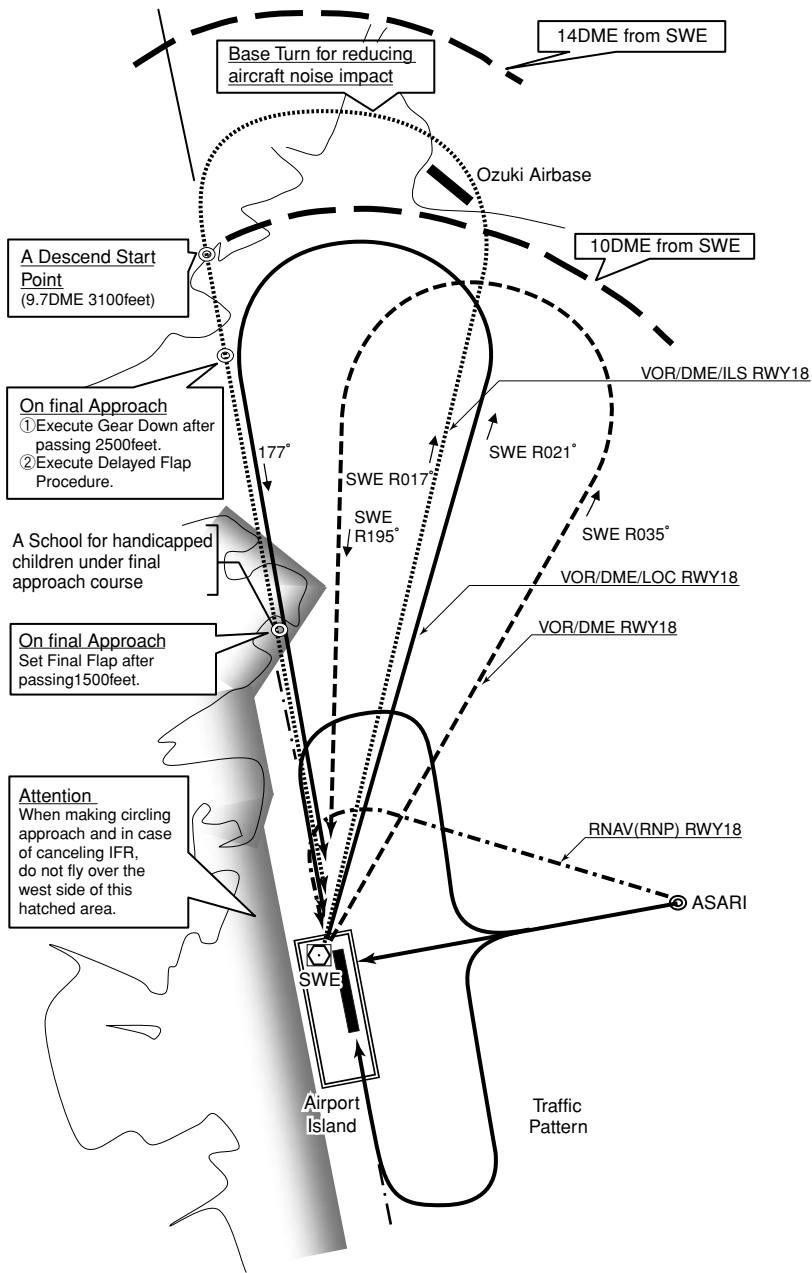
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	ASARI	—	—	-7.1	—	—	+4000	—	—	—
002	TF	FR690	—	226 (219.1)	-7.1	5.0	—	3000	—	—	1.0
003	TF	FR691	—	226 (219.0)	-7.1	2.9	—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

ILS for RWY 18

- REMARKS :
- | | |
|-------------------------|--------------|
| 1. LOC beam BRG(MAG) | 177° |
| 2. HGT of ILS REF datum | 16.5m (54ft) |
| 3. GP Angle | 3.0° |
| 4. ELEV of ILS-DME | 14m (45.9ft) |



RWY18

RWY36

22ft

22ft

21ft

21ft

23ft

0.20%

0.70%

0m

1240m 1380m

2280m

2500m

