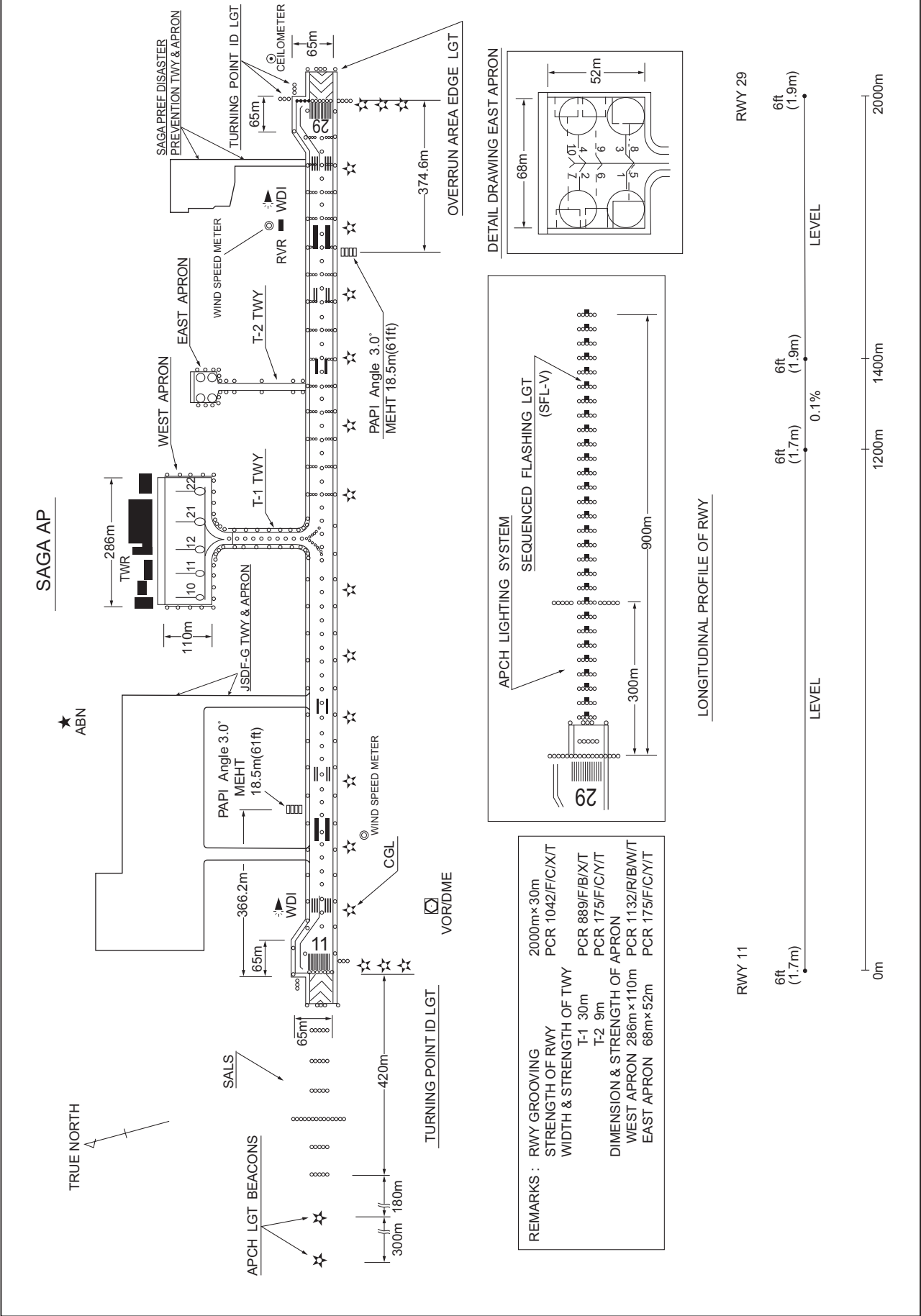


RJFS / SAGA

AD CHART

CHANGE : ABN relocated.



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STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

SID

SAGA REVERSAL TWO DEPARTURE

RWY11 : Climb RWY HDG to 500FT, turn right,...

RWY29 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...
...via SGE R135 to 9.0DME, turn left, direct to SGE VOR/DME.

Cross SGE VOR/DME at 6000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.

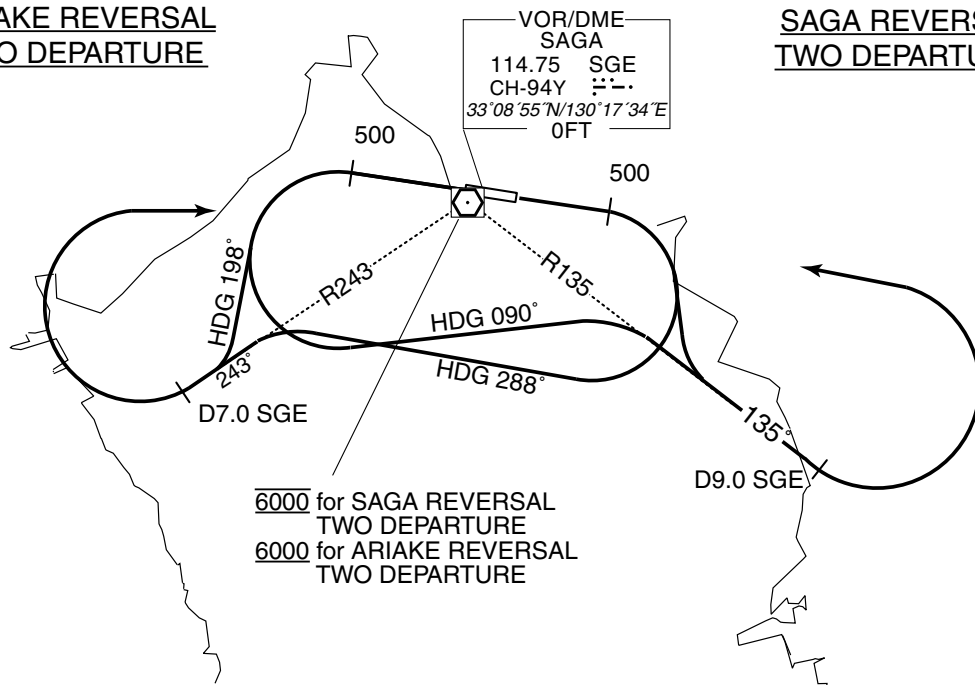
ARIAKE REVERSAL TWO DEPARTURE

RWY11 : Climb RWY HDG to 500FT, turn right HDG 288°...

RWY29 : Climb RWY HDG to 500FT, turn left HDG 198°...

...to intercept and proceed via SGE R243 to 7.0DME, turn right, direct to SGE VOR/DME.
Cross SGE VOR/DME at or above 6000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.

ARIAKE REVERSAL
TWO DEPARTURESAGA REVERSAL
TWO DEPARTURE

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

TRANSITION

KUMAMOTO TRANSITION

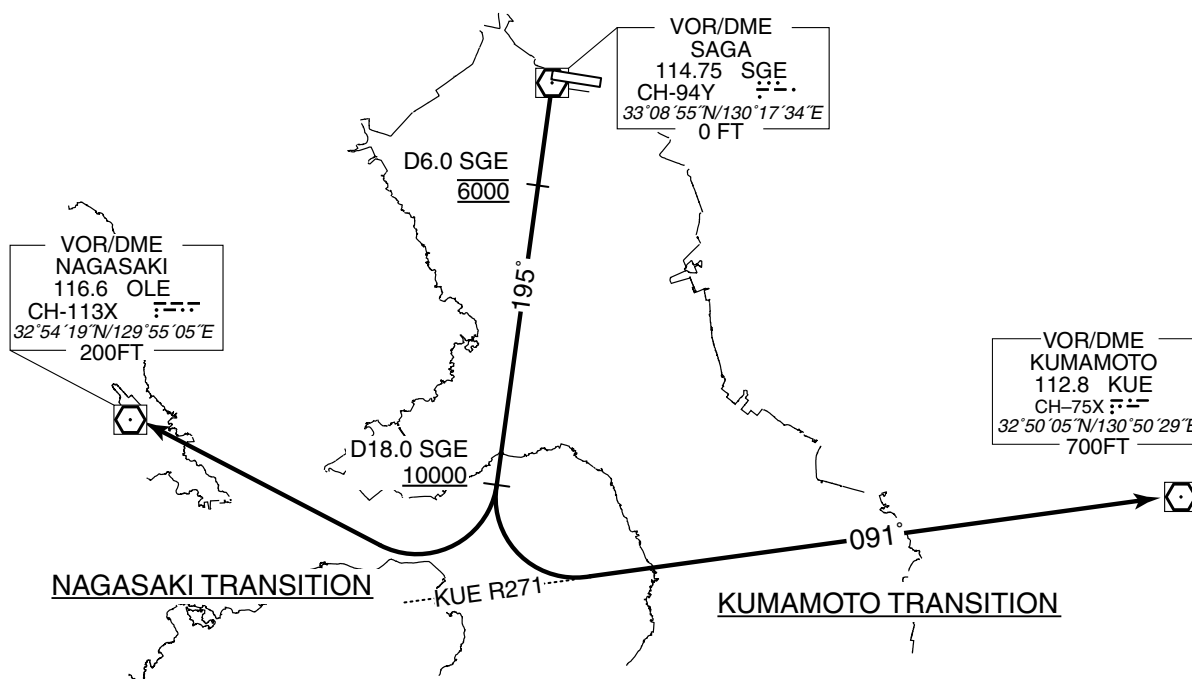
From over SGE VOR/DME, via SGE R195 to 18.0DME, turn left, via KUE R271 to KUE VOR/DME.

Cross SGE R195/6.0DME at 6000FT, cross SGE R195/18.0DME at or above 10000FT.

NAGASAKI TRANSITION

From over SGE VOR/DME, via SGE R195 to 18.0DME, turn right, direct to OLE VOR/DME.

Cross SGE R195/6.0DME at 6000FT, cross SGE R195/18.0DME at or above 10000FT.



STANDARD DEPARTURE CHART - INSTRUMENT

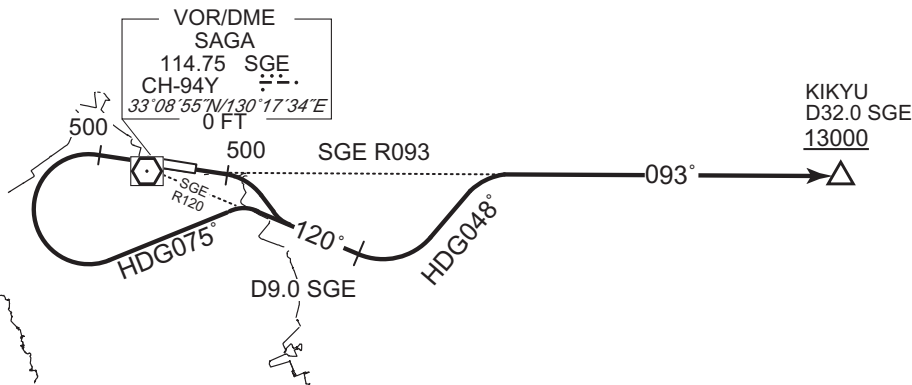
RJFS / SAGA

SID

KIKYU FIVE DEPARTURE

RWY11 : Climb RWY HDG to 500FT, turn right,...
RWY29 : Climb RWY HDG to 500FT, turn left HDG075° to intercept and proceed...
... via SGE R120 to 9.0DME, turn left HDG048° to intercept
and proceed via SGE R093 to KIKYU.
Cross KIKYU at or above 13000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.



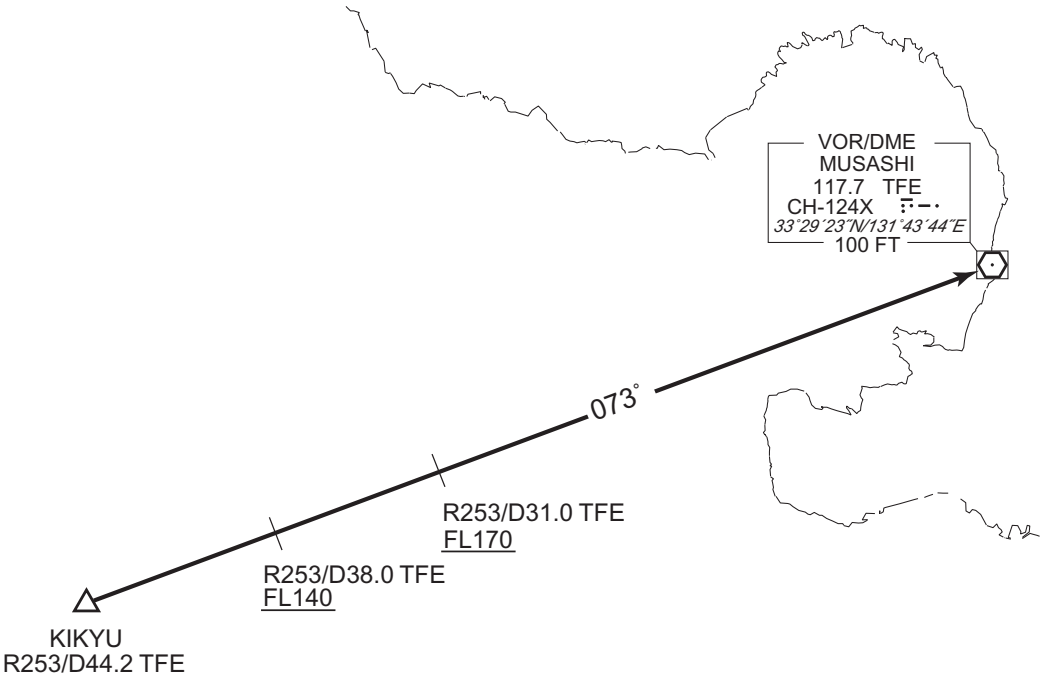
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

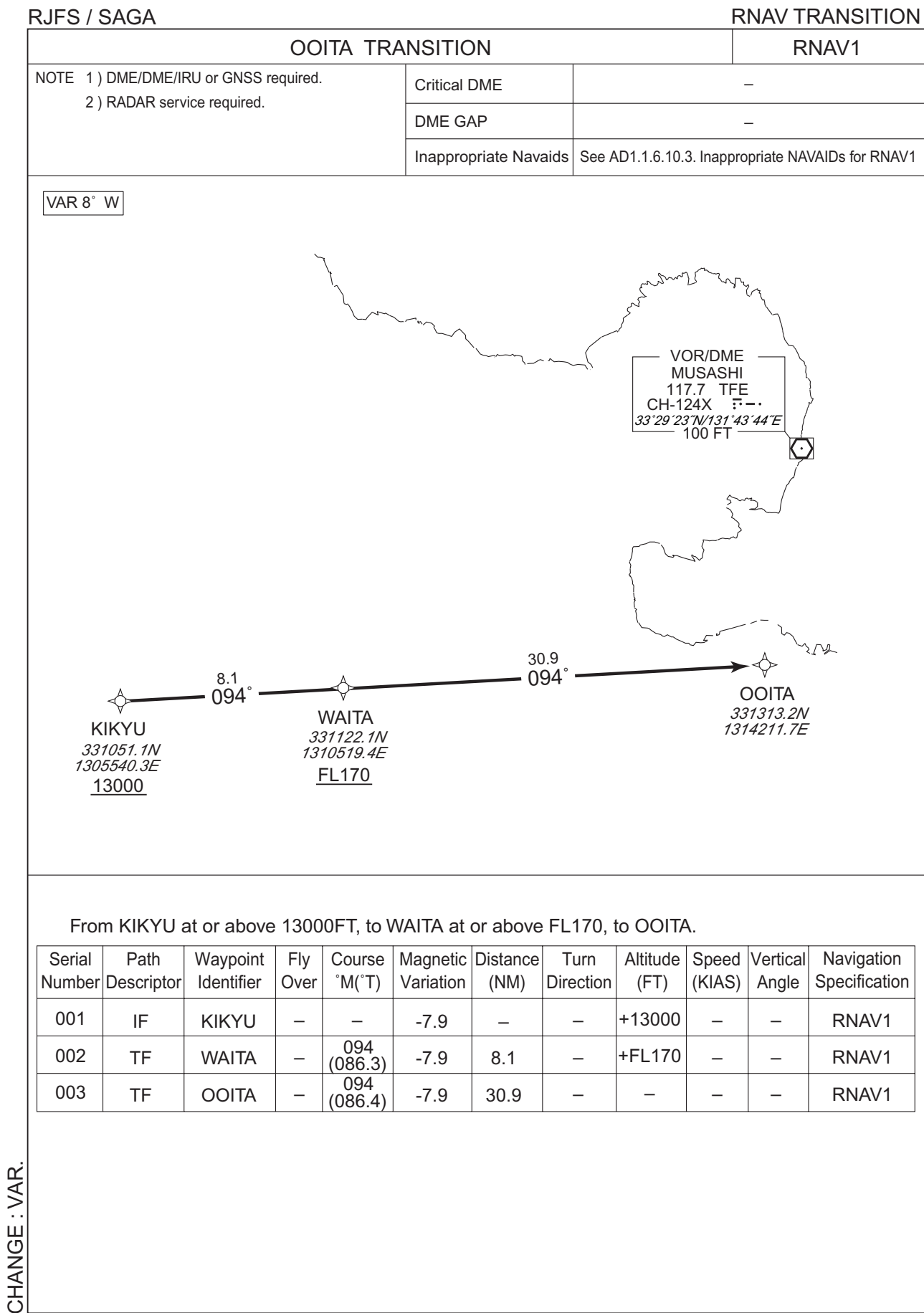
TRANSITION

MUSASHI TRANSITION
From over KIKYU, via TFE R253 to TFE VOR/DME.
Cross TFE R253/38.0DME at or above FL140, cross TFE R253/31.0DME at or above FL170.



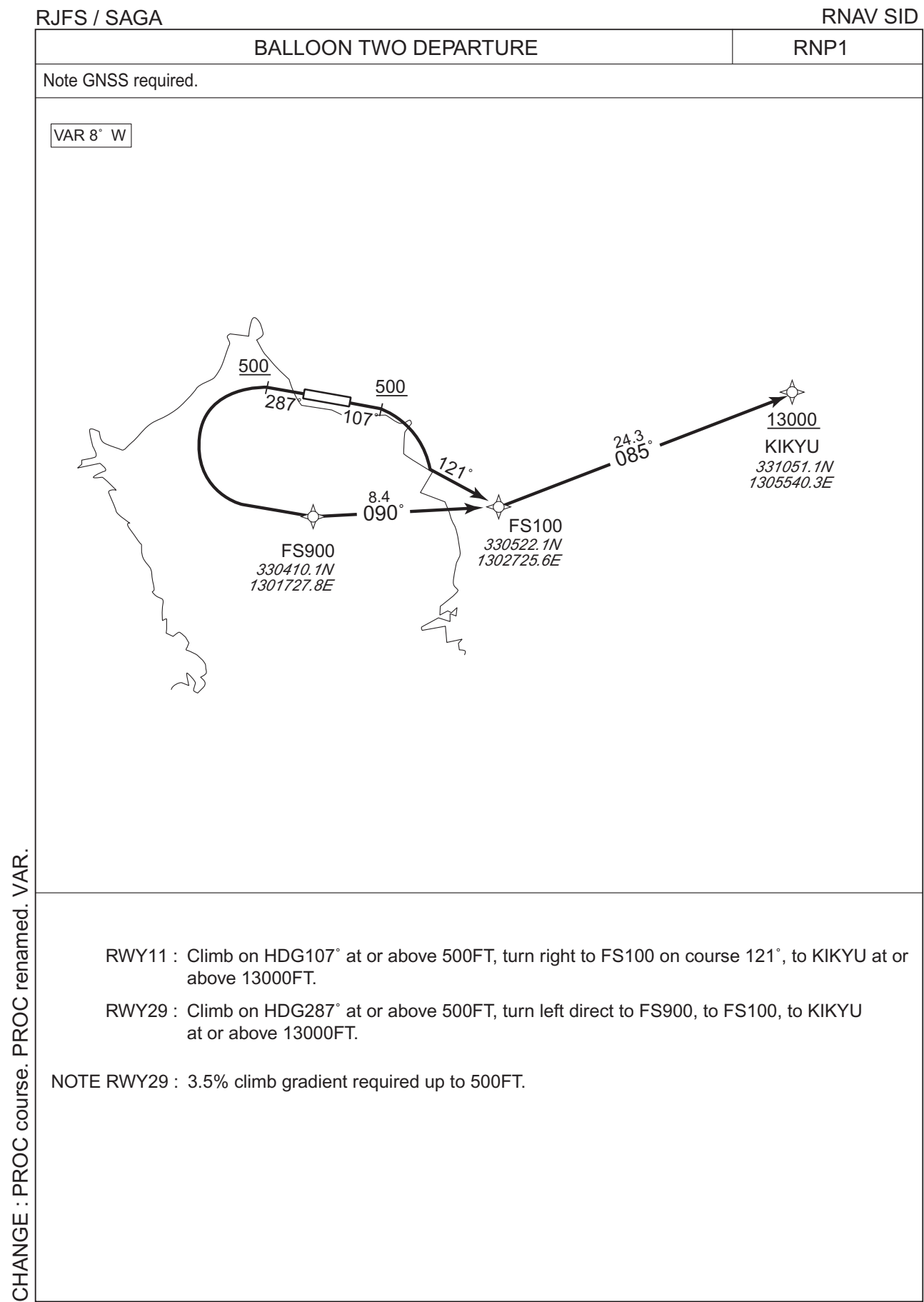
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT



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STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV SID

BALLOON TWO DEPARTURE

RWY11

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	-	-	107 (099.3)	-7.9	-	-	+500	-	-	RNP1
002	CF	FS100	-	121 (113.2)	-7.9	-	-	-	-	-	RNP1
003	TF	KIKYU	-	085 (076.8)	-7.9	24.3	-	+13000	-	-	RNP1

RWY29

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	-	-	287 (279.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS900	-	-	-7.9	-	L	-	-	-	RNP1
003	TF	FS100	-	090 (081.8)	-7.9	8.4	-	-	-	-	RNP1
004	TF	KIKYU	-	085 (076.8)	-7.9	24.3	-	+13000	-	-	RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

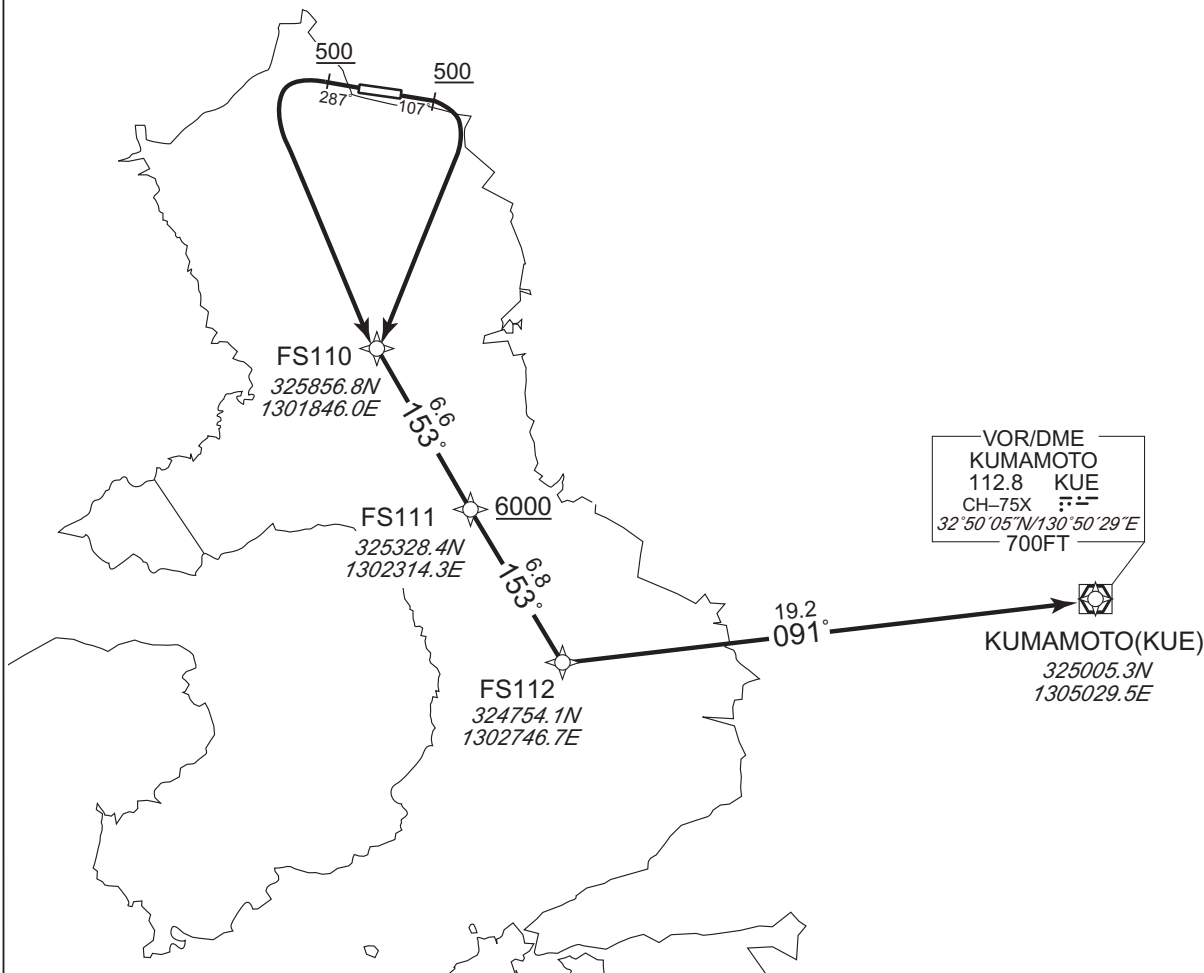
RNAV SID

SOIGI TWO DEPARTURE

RNP1

Note GNSS required.

VAR 8° W



CHANGE : PROC course. PROC renamed. VAR.

- RWY11 : Climb on HDG107° at or above 500FT, turn right direct to FS110, to FS111 at or above 6000FT, to FS112, to KUE.
- RWY29 : Climb on HDG287° at or above 500FT, turn left direct to FS110, to FS111 at or above 6000FT, to FS112, to KUE.

NOTE RWY29 : 3.5% climb gradient required up to 500FT.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV SID

SOIGI TWO DEPARTURE

RWY11

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	-	-	107 (099.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS110	-	-	-7.9	-	R	-	-	-	RNP1
003	TF	FS111	-	153 (145.5)	-7.9	6.6	-	+6000	-	-	RNP1
004	TF	FS112	-	153 (145.6)	-7.9	6.8	-	-	-	-	RNP1
005	TF	KUE	-	091 (083.4)	-7.9	19.2	-	-	-	-	RNP1

RWY29

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	-	-	287 (279.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS110	-	-	-7.9	-	L	-	-	-	RNP1
003	TF	FS111	-	153 (145.5)	-7.9	6.6	-	+6000	-	-	RNP1
004	TF	FS112	-	153 (145.6)	-7.9	6.8	-	-	-	-	RNP1
005	TF	KUE	-	091 (083.4)	-7.9	19.2	-	-	-	-	RNP1

CHANGE : PROC course. PROC renamed. VAR.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFS / SAGA

STAR

IRPIN NORTH ARRIVAL

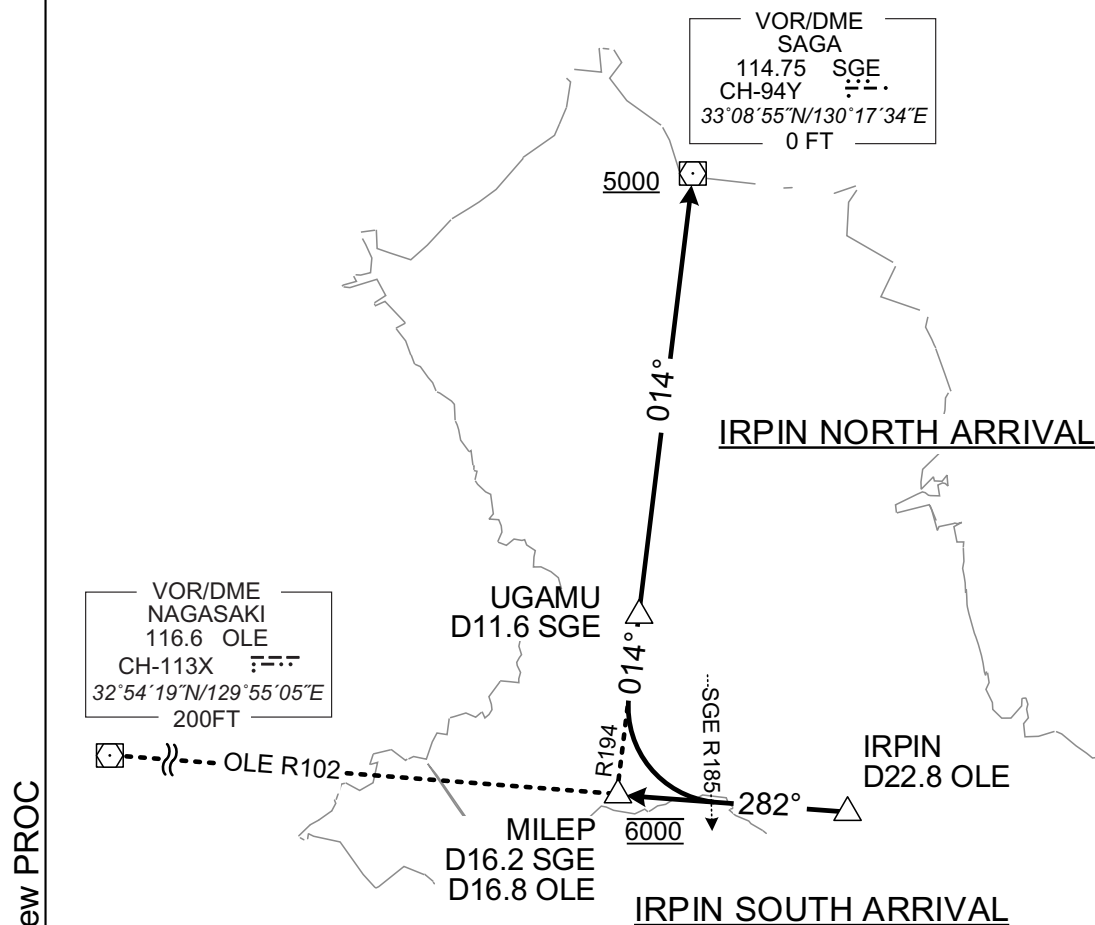
From over IRPIN, via OLE R102 to MILEP, via SGE R194 to SGE
VOR/DME via UGAMU.

Cross MILEP at 6000FT, cross SGE VOR/DME at or above 5000FT.

IRPIN SOUTH ARRIVAL

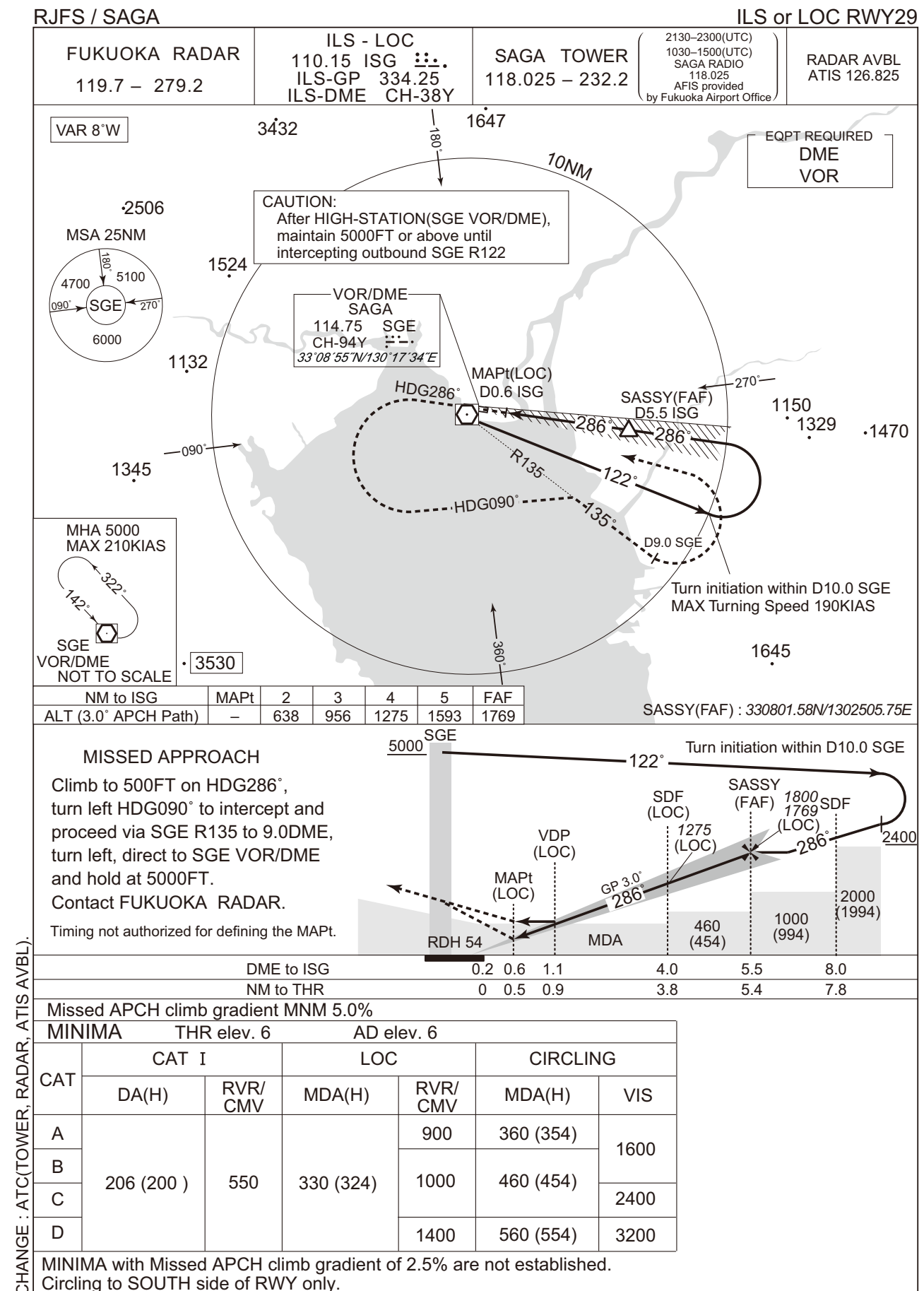
From over IRPIN, via OLE R102 to MILEP.

Cross MILEP at 6000FT.



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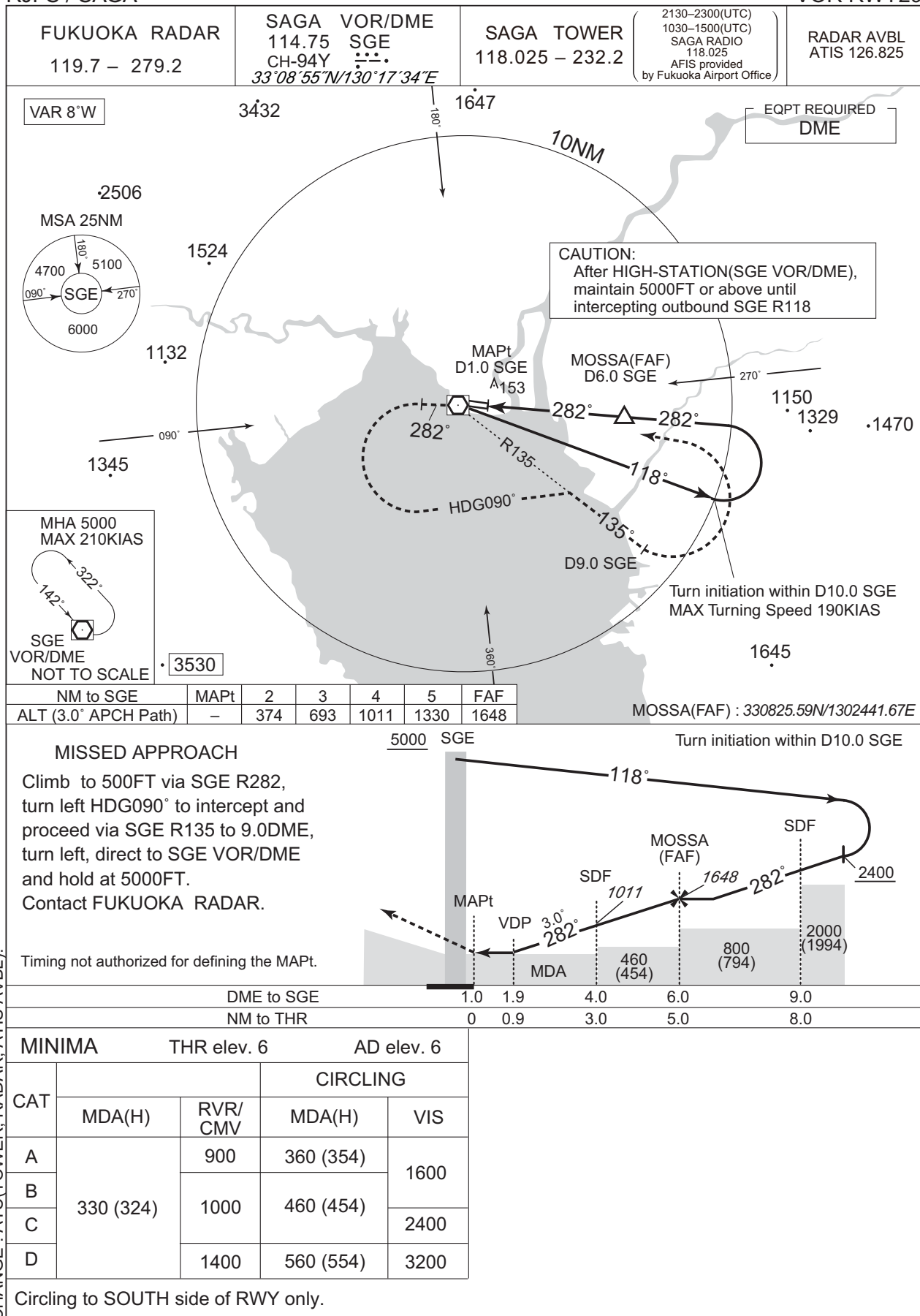
INSTRUMENT APPROACH CHART



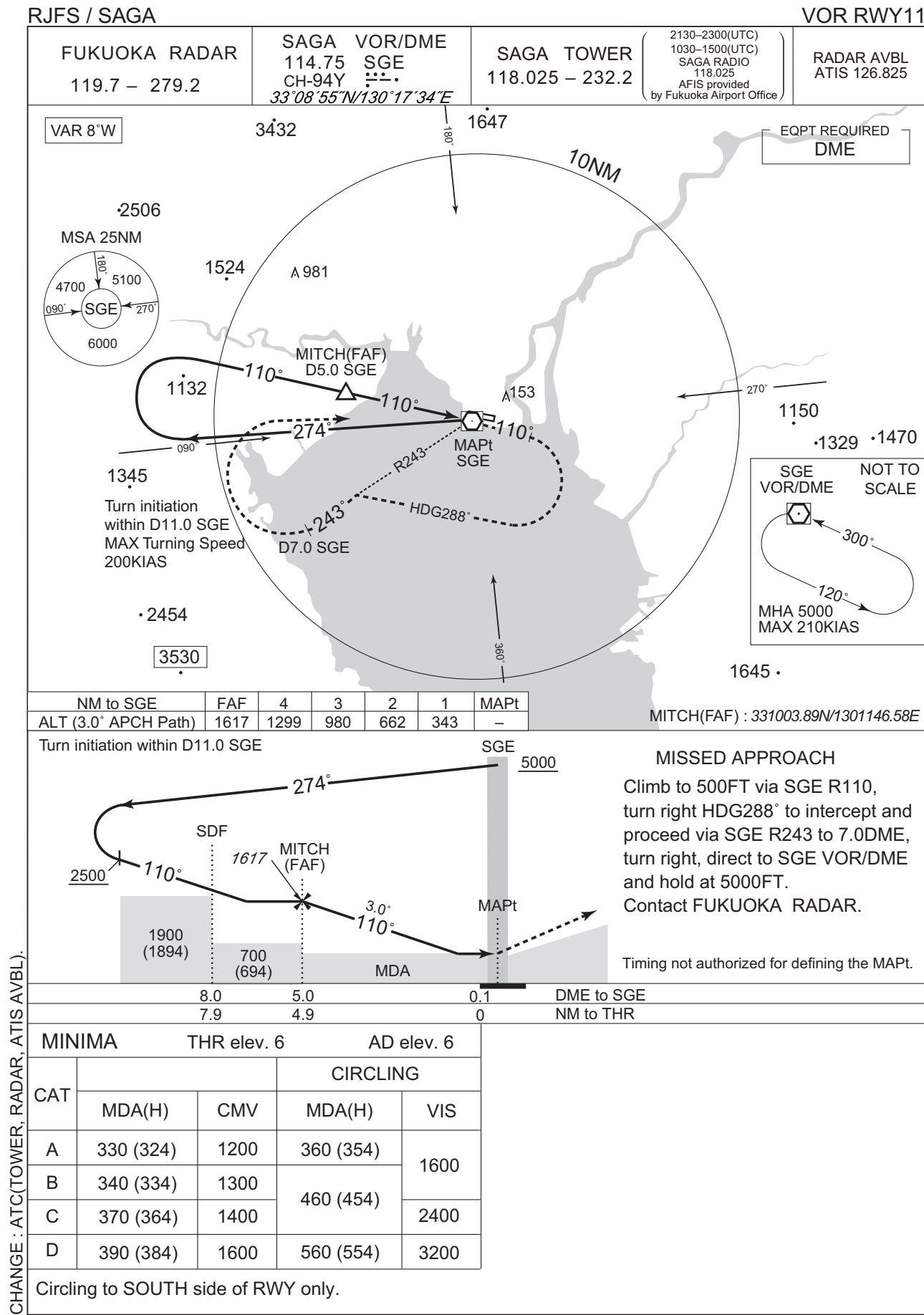
INSTRUMENT APPROACH CHART

RJFS / SAGA

VOR RWY29



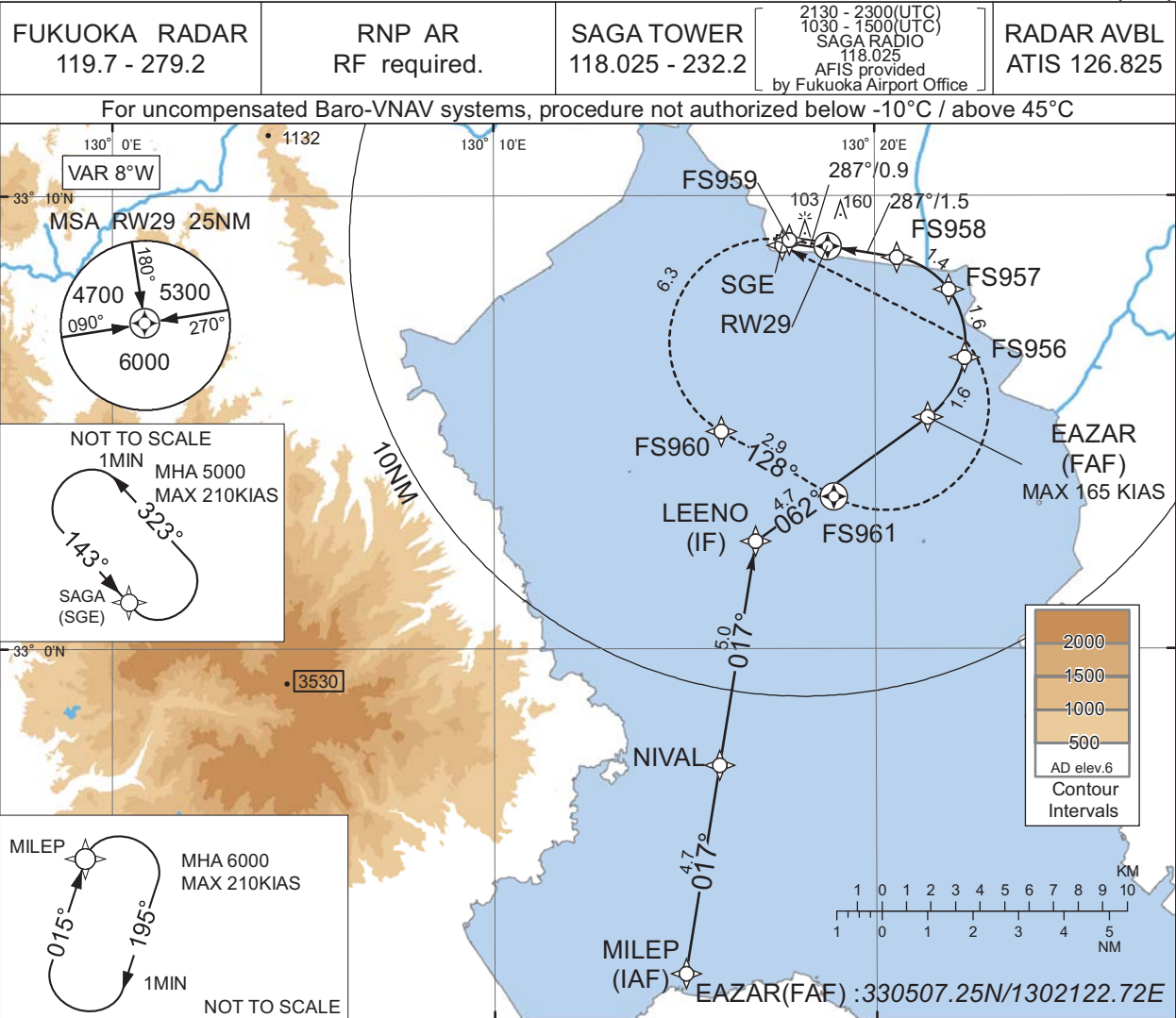
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

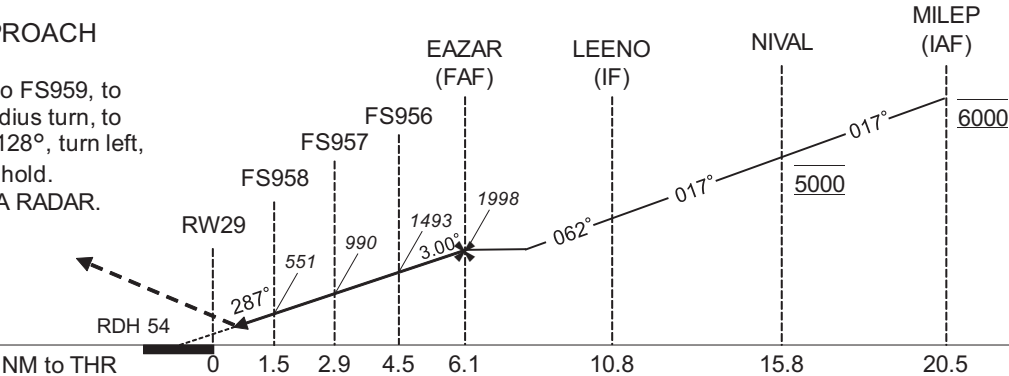
RJFS / SAGA

RNP RWY29(AR)



MISSED APPROACH

Climb to 5000FT, to FS959, to FS960 via fixed radius turn, to FS961 on course 128°, turn left, direct to SGE and hold.
Contact FUKUOKA RADAR.



Missed APCH climb gradient MNM 5.0%

CAT	THR elev. 6		AD elev. 6	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	-	-	-	-
B	-	-	-	-
C	256(250)	800	306(300)	1000
D		1200		1400

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

Authorization Required

CHANGE : ATC(TOWER, RADAR, ATIS AVBL).

INSTRUMENT APPROACH CHART

CHANGE : Waypoint (FS959, FS960, FS961) established. RF Arc Center (FSRF2) established. RNP Value, HLDG pattern added. Waypoint (FS955) abolished. VAR.

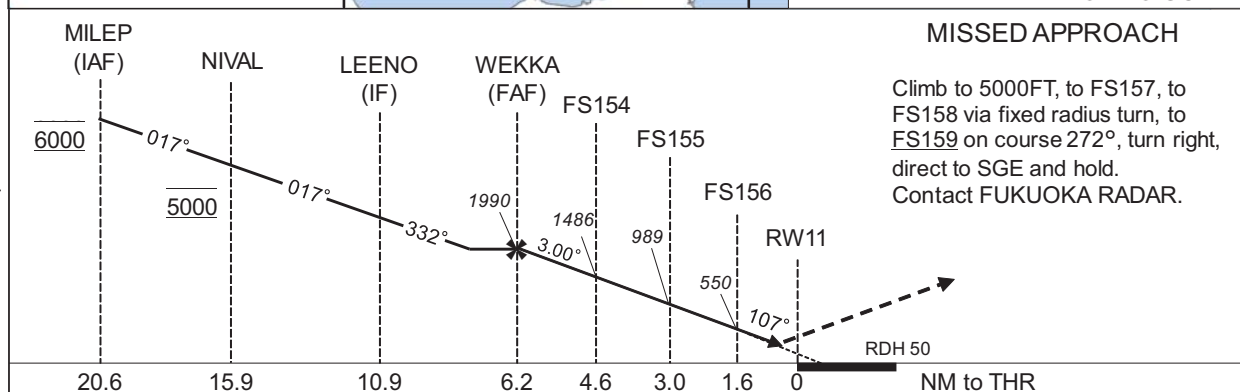
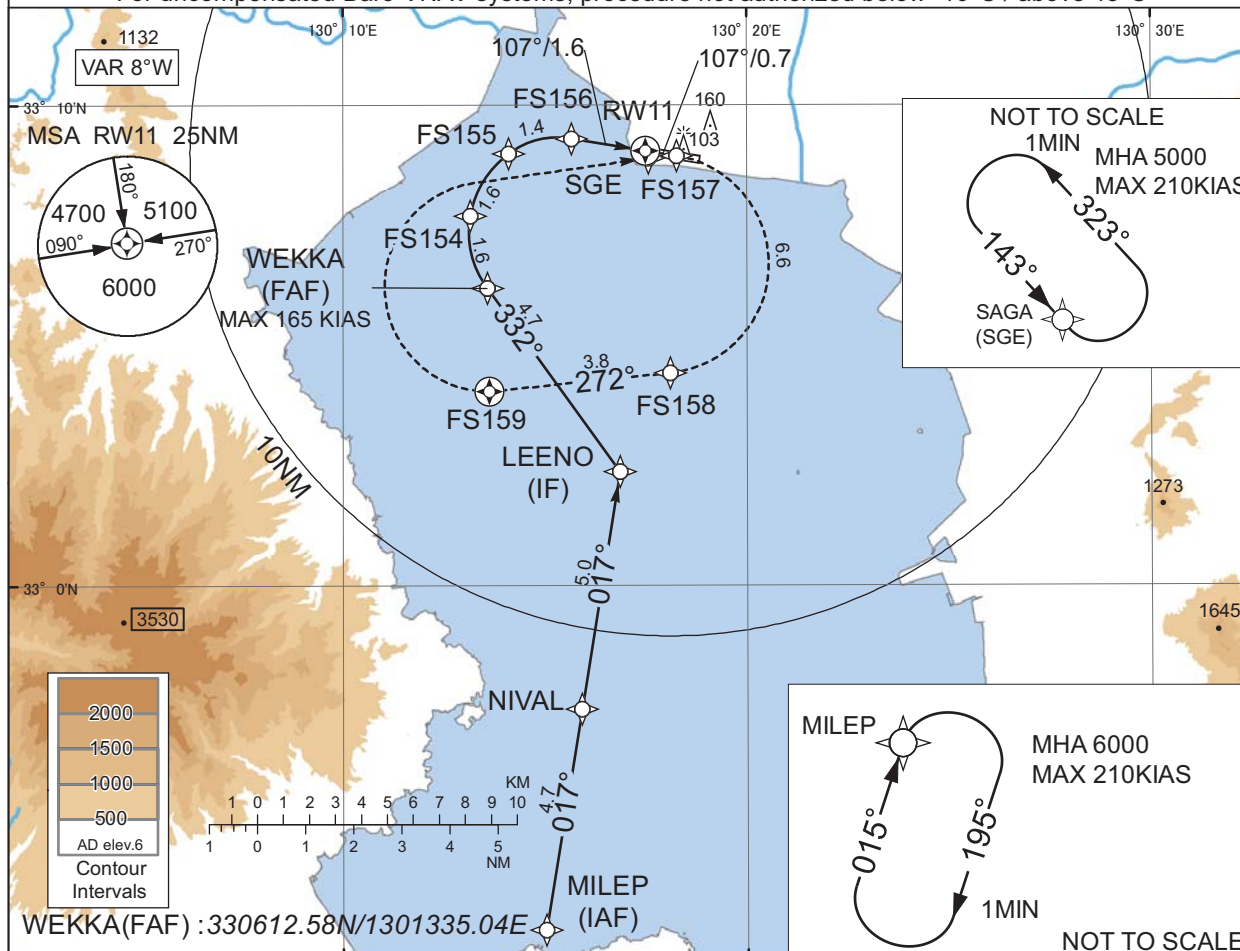
RJFS / SAGA												RNP RWY29(AR)	
Coding Table													
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value		
001	IF	MILEP	-	-	-7.9	-	-	6000	-	-	-		
002	TF	NIVAL	-	017 (009.2)	-7.9	4.7	-	5000	-	-	0.3		
003	TF	LEENO	-	017 (009.2)	-7.9	5.0	-	-	-	-	0.3		
004	TF	EAZAR	-	062 (054.2)	-7.9	4.7	-	1998	-165	-	0.3		
005	RF Center: FSRF8 r=2.02NM	FS956	-	-	-7.9	1.6	L	1493	-	-3.00	0.10 0.30		
006	RF Center: FSRF9 r=1.98NM	FS957	-	-	-7.9	1.6	L	990	-	-3.00	0.10 0.30		
007	RF Center: FSRF0 r=1.75NM	FS958	-	-	-7.9	1.4	L	551	-	-3.00	0.10 0.30		
008	TF	RW29	Y	287 (279.3)	-7.9	1.5	-	60	-	-3.00/54	0.10 0.30		
009	TF	FS959	-	287 (279.3)	-7.9	0.9	-	-	-	-	0.10 0.30		
010	RF Center: FSRF2 r=2.28NM	FS960	-	-	-7.9	6.3	L	-	-	-	1.0		
011	CF	FS961	Y	128 (120.3)	-7.9	2.9	-	-	-	-	1.0		
012	DF	SGE	-	-	-7.9	-	L	5000	-	-	1.0		
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value				
Hold	MILEP	015 (007.6)	-7.9	1.0(-14000)	R	6000	FL140	-210 (-14000)	1.0				
Hold	SGE	143 (134.8)	-7.9	1.0(-14000)	L	5000	FL140	-210 (-14000)	1.0				
Waypoint Coordinates													
Waypoint Identifier		Coordinates		RF Arc Center Identifier		Coordinates							
MILEP		325250.49N / 1301501.22E		FSRF8		330645.72N / 1301958.78E							
NIVAL		325726.55N / 1301554.33E		FSRF9		330646.63N / 1302001.15E							
LEENO		330223.31N / 1301651.53E		FSRF0		330654.73N / 1302014.52E							
EAZAR		330507.25N / 1302122.72E		FSRF2		330647.02N / 1301719.68E							
FS956		330626.19N / 1302220.91E											
FS957		330756.35N / 1302156.32E											
FS958		330838.87N / 1302034.72E											
RW29		330853.77N / 1301846.08E											
FS959		330902.03N / 1301745.78E											
FS960		330448.74N / 1301558.06E											
FS961		330322.31N / 1301854.74E											
SGE		330855.03N / 1301734.43E											

RJFS / SAGA

RNP RWY11(AR)

FUKUOKA RADAR 119.7 - 279.2	RNP AR RF required.	SAGA TOWER 118.025 - 232.2	2130 - 2300(UTC) 1030 - 1500(UTC) SAGA RADIO 118.025 AFIS provided by Fukuoka Airport Office	RADAR AVBL ATIS 126.825
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For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C



Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 6	AD elev. 6		
CAT	RNP 0.10		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B				
C	256(250)	1200	309(303)	1400
D		1400		1600

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

Authorization Required

CHANGE : ATC(TOWER, RADAR, ATIS AVBL).

INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY11(AR)

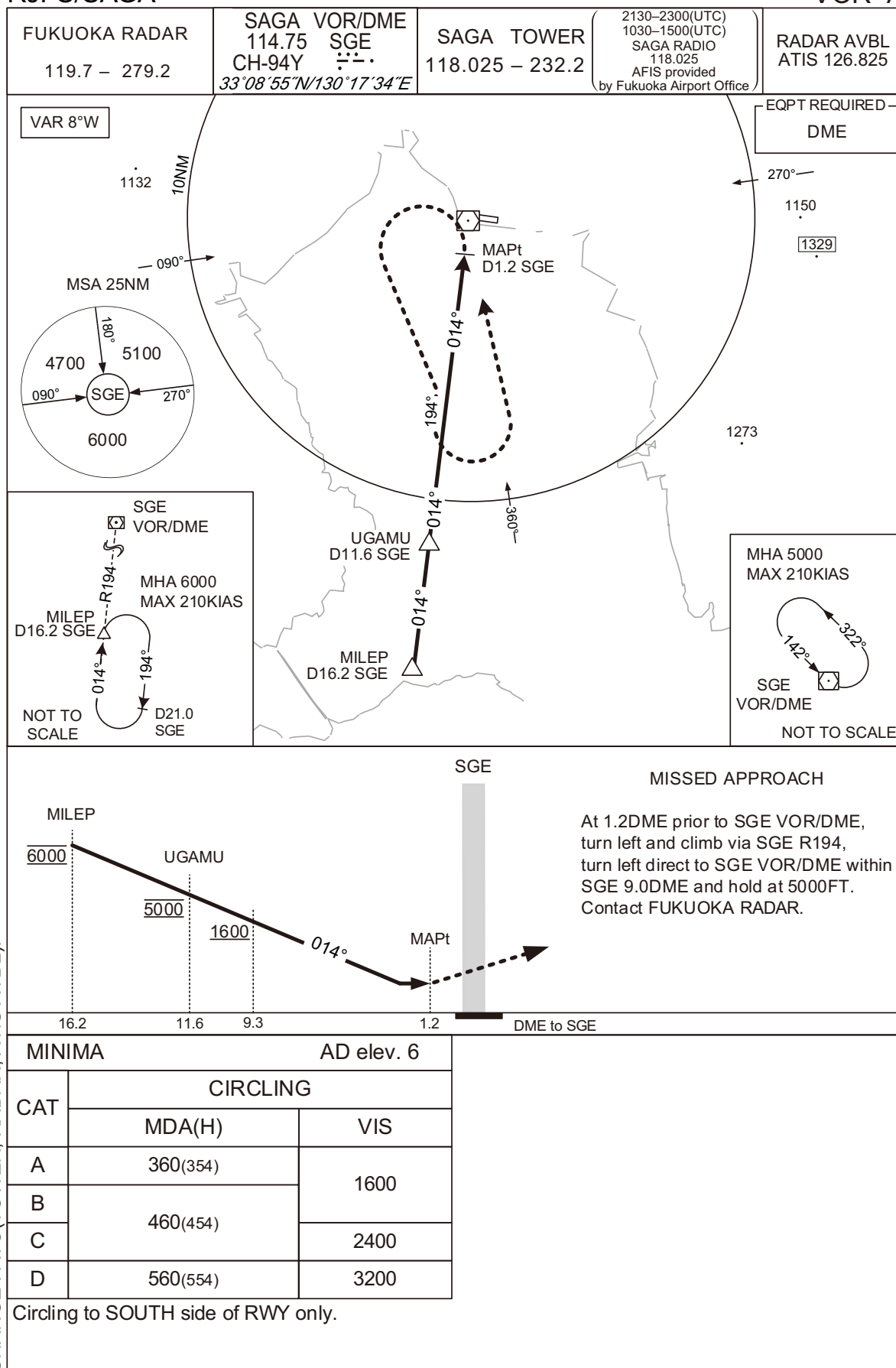
CHANGE : Waypoint (FS157, FS158, FS159) established. RF Arc Center (FSRF1) established. RF Arc Center (FSRF1) established. RNP Value. HLDG pattern added. Waypoint (FS153) abolished. VAR.

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	MILEP	-	-	-7.9	-	-	6000	-	-	-
002	TF	NIVAL	-	017 (009.2)	-7.9	4.7	-	5000	-	-	0.3
003	TF	LEENO	-	017 (009.2)	-7.9	5.0	-	-	-	-	0.3
004	TF	WEKKA	-	332 (324.3)	-7.9	4.7	-	1990	-165	-	0.3
005	RF Center: FSRF5 r=2.02NM	FS154	-	-	-7.9	1.6	R	1486	-	-3.00	0.10 0.30
006	RF Center: FSRF6 r=1.98NM	FS155	-	-	-7.9	1.6	R	989	-	-3.00	0.10 0.30
007	RF Center: FSRF7 r=1.77NM	FS156	-	-	-7.9	1.4	R	550	-	-3.00	0.10 0.30
008	TF	RW11	Y	107 (099.3)	-7.9	1.6	-	56	-	-3.00/50	0.10 0.30
009	TF	FS157	-	107 (099.3)	-7.9	0.7	-	-	-	-	0.10 0.30
010	RF Center: FSRF1 r=2.28NM	FS158	-	-	-7.9	6.6	R	-	-	-	1.0
011	CF	FS159	Y	272 (264.2)	-7.9	3.8	-	-	-	-	1.0
012	DF	SGE	-	-	-7.9	-	R	5000	-	-	1.0
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value		
Hold	MILEP	015 (007.6)	-7.9	1.0(-14000)	R	6000	FL140	-210 (-14000)	1.0		
Hold	SGE	143 (134.8)	-7.9	1.0(-14000)	L	5000	FL140	-210 (-14000)	1.0		
Waypoint Coordinates											
Waypoint Identifier		Coordinates		RF Arc Center Identifier		Coordinates					
MILEP		325250.49N / 1301501.22E		FSRF5		330723.51N / 1301531.82E					
NIVAL		325726.55N / 1301554.33E		FSRF6		330723.80N / 1301529.68E					
LEENO		330223.31N / 1301651.53E		FSRF7		330735.05N / 1301520.05E					
WEKKA		330612.58N / 1301335.04E		FSRF1		330642.73N / 1301750.06E					
FS154		330742.91N / 1301309.63E									
FS155		330900.65N / 1301406.71E									
FS156		330919.21N / 1301540.15E									
RW11		330904.20N / 1301729.91E									
FS157		330857.86N / 1301816.20E									
FS158		330426.51N / 1301806.37E									
FS159		330403.61N / 1301337.58E									
SGE		330855.03N / 1301734.43E									

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR A

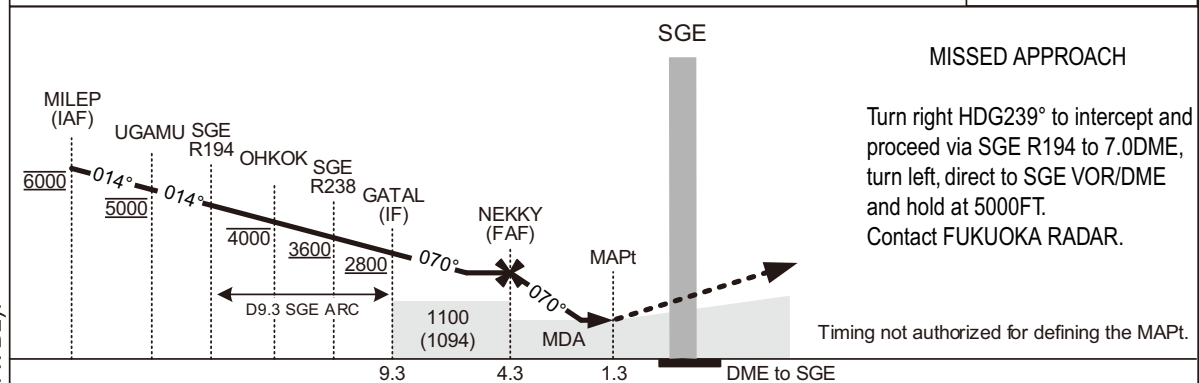
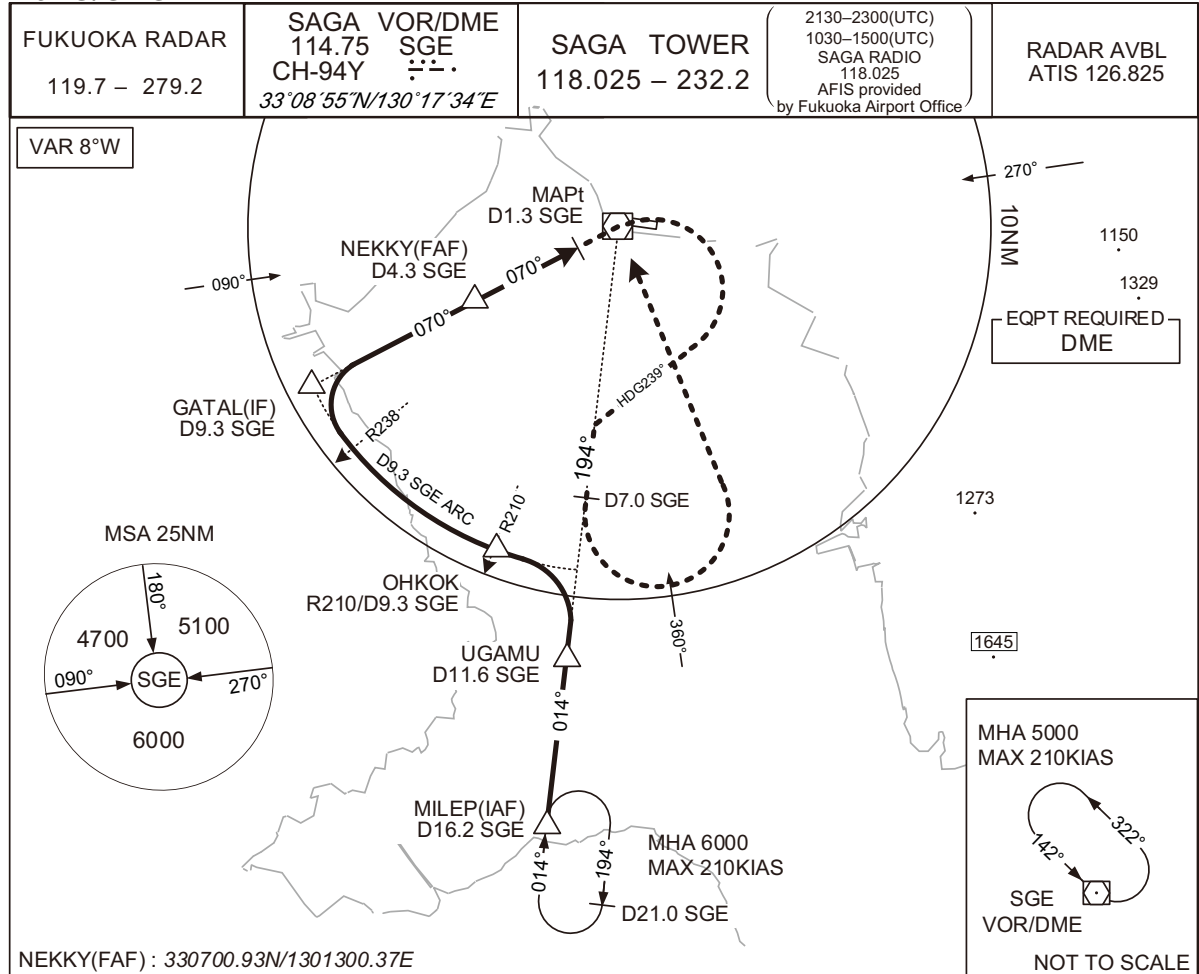


CHANGE : ATC(TOWER, RADAR, ATIS AVBL).

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR B



Missed APCH climb gradient MNM 5.0%		
MINIMA		AD elev. 6
CAT	CIRCLING	
	MDA(H)	VIS
A	360(354)	1600
B	460(454)	
C	460(454)	2400
D	560(554)	3200

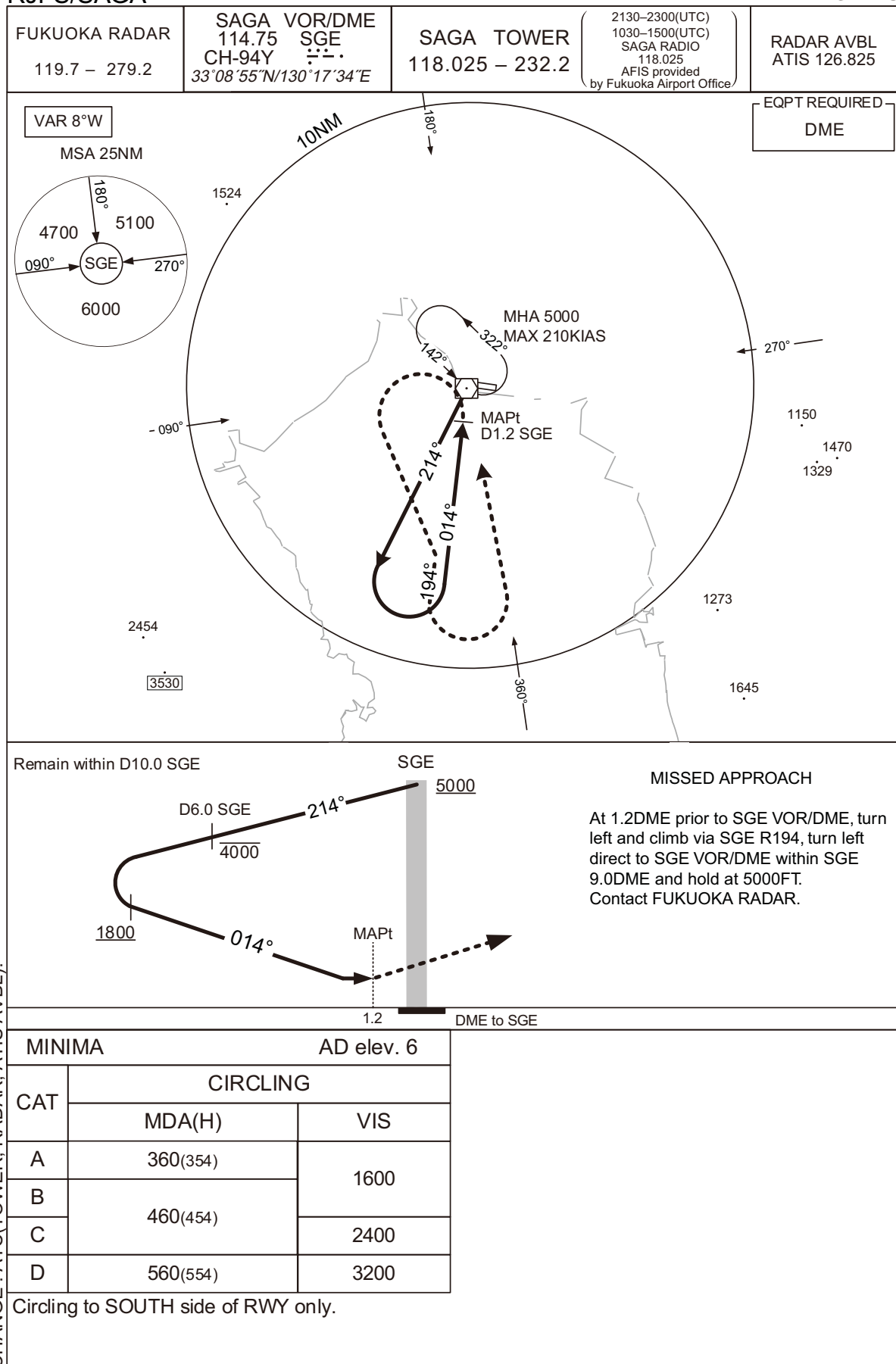
Circling to SOUTH side of RWY only.

CHANGE : ATC(TOWER, RADAR, ATIS AVBL).

INSTRUMENT APPROACH CHART

RJFS/SAGA

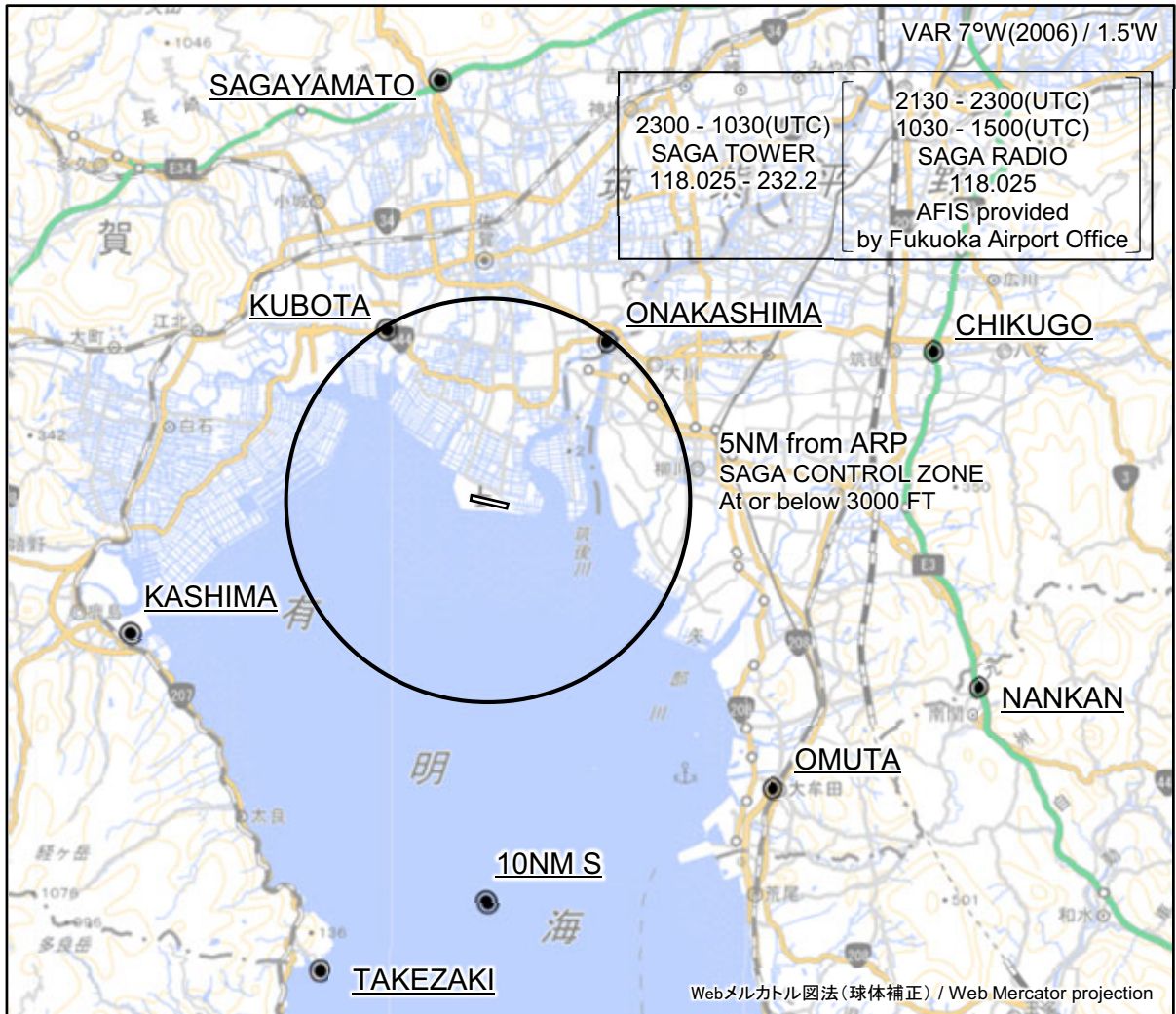
VOR C



CHANGE : ATC(TOWER, RADAR, ATIS AVBL).

RJFS / SAGA

Visual REP



CHANGE : ATC(TOWER, RADAR, ATIS AVBL). CONTROL ZONE established. INFORMATION ZONE abolished.

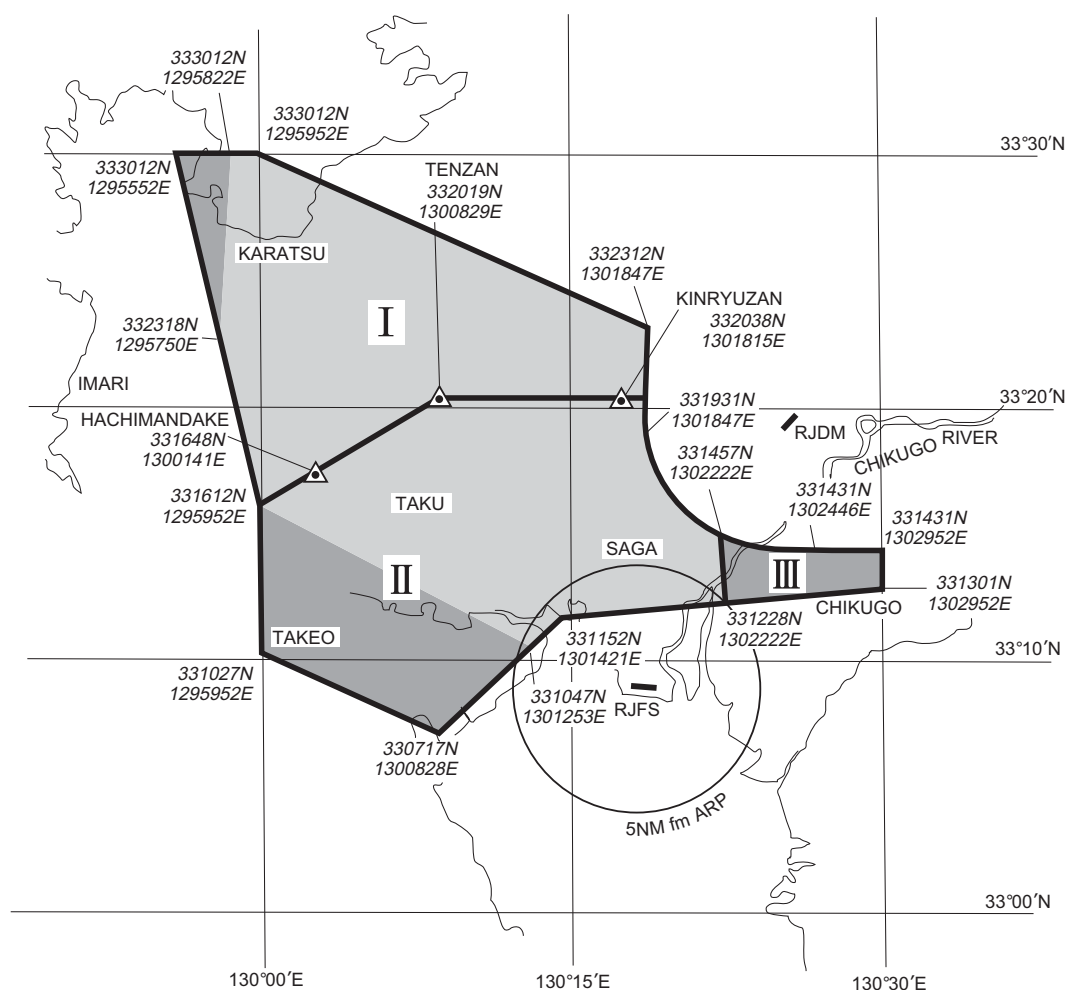
Call sign	BRG / DIST from ARP	Remarks
佐賀大和 Sagayamato	353°T / 10.4NM	佐賀大和インターチェンジ Interchange
久保田 Kubota	329°T / 4.9NM	久保田橋 Bridge
大中島 Onakashima	037°T / 4.9NM	筑後川昇開橋 Bridge
筑後 Chikugo	072°T / 11.7NM	八女インターチェンジ Interchange
鹿島 Kashima	249°T / 9.5NM	新浜大橋 Bridge
南関 Nankan	111°T / 13.1NM	南関インターチェンジ Interchange
大牟田 Omuta	135°T / 10.1NM	JR大牟田駅 Station
10NM S	180°T / 10.0NM	海上 Over the sea
竹崎 Takezaki	200°T / 12.4NM	竹崎港 Harbor

RJFS / SAGA

BALLOON

熱気球の飛行が下図区域内で行われる。(期間：5月中旬から6月中旬まで及び10月中旬から2月下旬まで：RJFS ノータム参照)

Hot air balloon flight will be conducted within below area.
(Period: from mid MAY to mid JUN and from mid OCT to late FEB: see NOTAM RJFS)



飛行高度 3000ft 以下
FLT ALT At or below 3000ft

飛行高度 4000ft 以下
FLT ALT At or below 4000ft

I Balloon FLT area Nr1 II Balloon FLT area Nr2* III Balloon FLT area Nr3*

- * 佐賀空港を発着する航空機に対し、熱気球に係る情報(飛行空域2及び3内で飛行する気球の概数等)の提供が佐賀タワー又は佐賀ラジオにより行われる。
* The information of hot air balloon(aprx number of balloon etc.in flight area number 2 and 3) will be provided for departing/arriving acft from/to SAGA airport by SAGA TOWER / SAGA RADIO.

Example of phraseology: "Two flying balloons reported in balloon flight area number two."

CHANGE : ATC(SAGA TOWER established).

