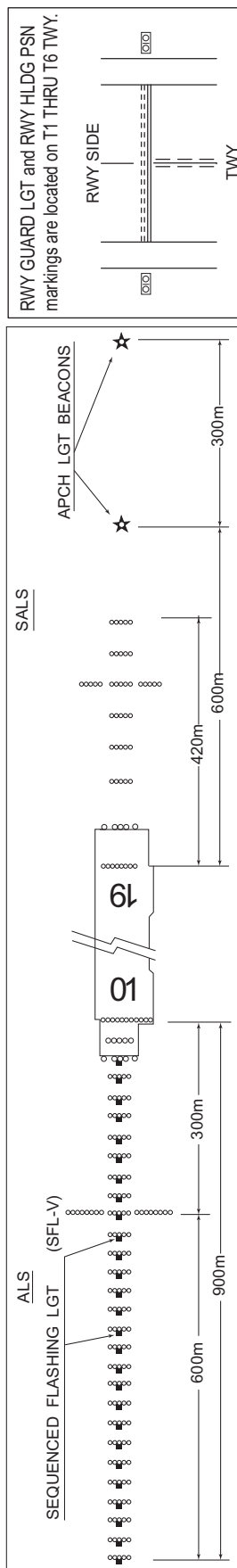
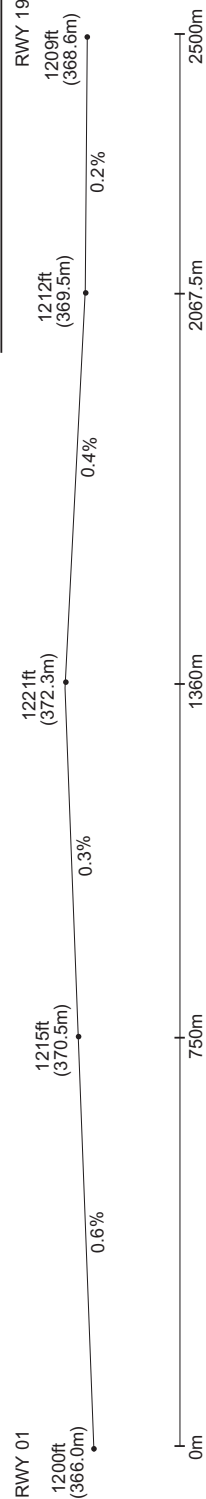


## AD CHART

FUKUSHIMA AP  
ELEV 372m (1,220ft)



## LONGITUDINAL PROFILE OF RWY



STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

SID

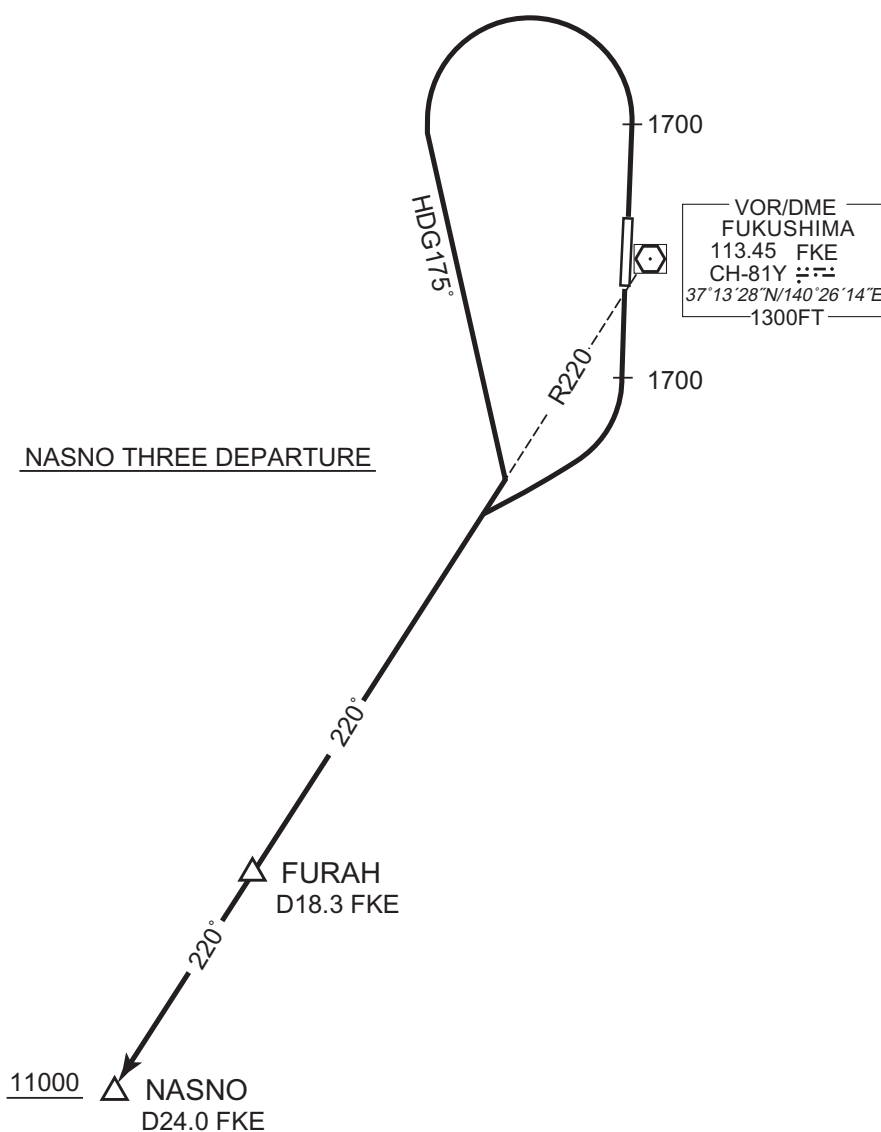
NASNO THREE DEPARTURE

RWY01 : Climb RWY HDG to 1700FT, turn left HDG175°...

RWY19 : Climb RWY HDG to 1700FT, turn right...

...to intercept and proceed via FKE R220 to NASNO via FURAH.

Cross NASNO at or above 11000FT.



CHANGE : PROC renamed. PROC course.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

SID

FUKUSHIMA REVERSAL TWO DEPARTURE

RWY 01 : Climb RWY HDG to 1700FT, turn left, ...

RWY 19 : Climb RWY HDG to 1700FT, turn right, ...

... via FKE R208 to 4000FT, turn left, direct to FKE VOR/DME.

Cross FKE VOR/DME at or above 7000FT.



CHANGE : PROC renamed. Radial FM FKE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

TRANSITION

HATRI TRANSITION

From over FKE VOR/DME, climb via FKE R313 to HATRI. Cross FKE R313/9.0DME at or above 9000FT.



CHANGE : DME FM FKE added(HATRI).

STANDARD DEPARTURE CHART-INSTRUMENT

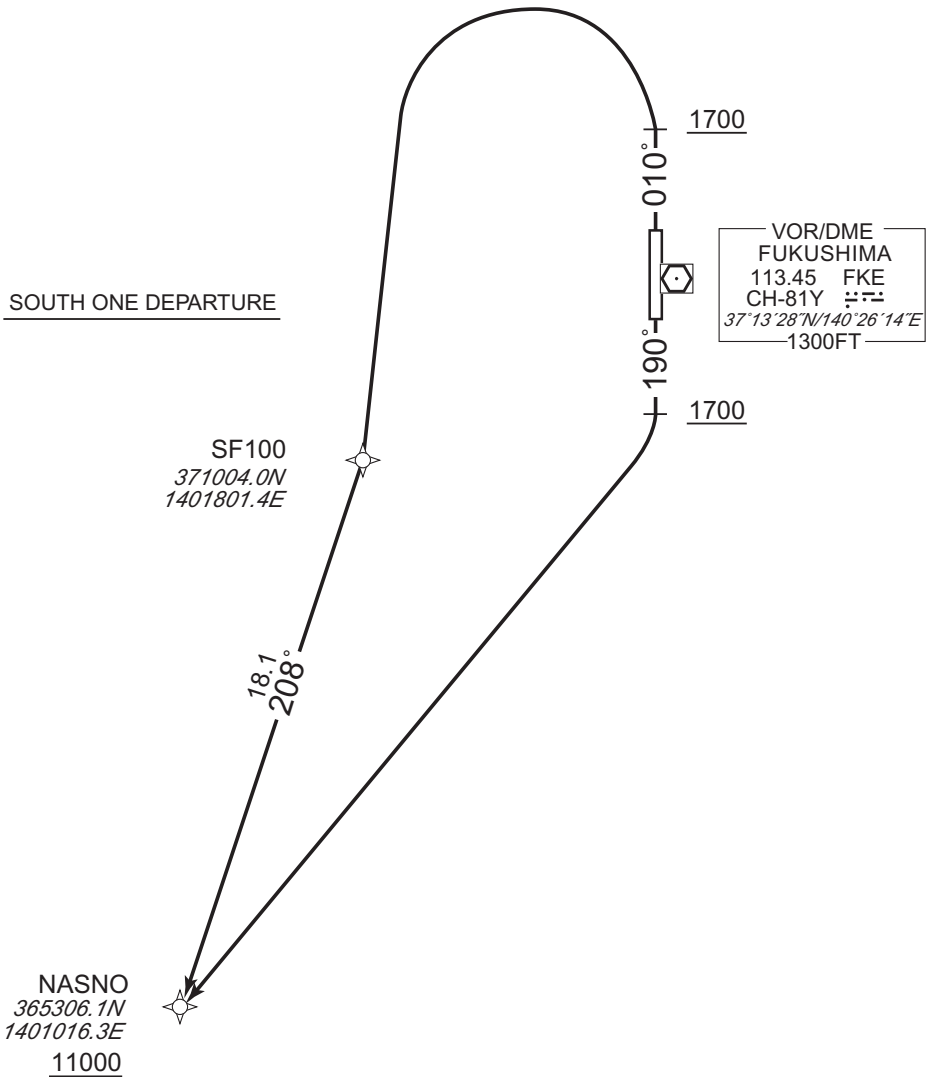
RJSF / FUKUSHIMA

RNAV SID

SOUTH ONE DEPARTURE	RNP1
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Note GNSS required.

VAR 8°W (2016)



SOUTH ONE DEPARTURE

- RWY01 : Climb on HDG010° at or above 1700FT, turn left direct to SF100, to NASNO at or above 11000FT.
- RWY19 : Climb on HDG190° at or above 1700FT, turn right direct to NASNO at or above 11000FT.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

SOUTH ONE DEPARTURE											
RWY01											
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	-	-	010 (002.2)	-7.8	-	-	+1700	-	-	RNP1
002	DF	SF100	-	-	-7.8	-	L	-	-	-	RNP1
003	TF	NASNO	-	208 (200.1)	-7.8	18.1	-	+11000	-	-	RNP1
RWY19											
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	-	-	190 (182.2)	-7.8	-	-	+1700	-	-	RNP1
002	DF	NASNO	-	-	-7.8	-	R	+11000	-	-	RNP1
CHANGE : Navigation Specification(Basic RNP1 → RNP1).											

STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

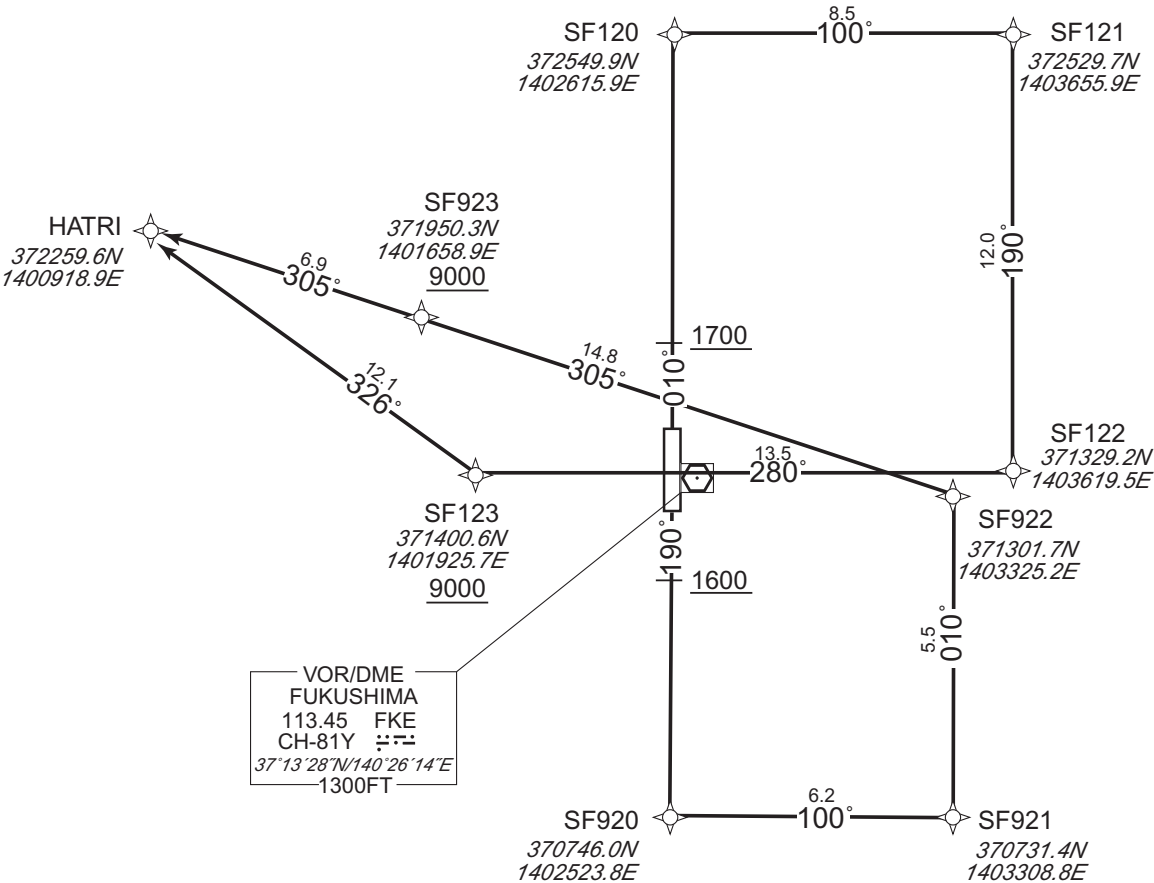
RNAV SID

WEST ONE DEPARTURE	RNP1
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Note GNSS required.

VAR 8°W (2016)

WEST ONE DEPARTURE



WEST ONE DEPARTURE

- RWY01 : Climb on HDG010° at or above 1700FT, direct to SF120, to SF121, to SF122, to SF123 at or above 9000FT, to HATRI.
- RWY19 : Climb on HDG190° at or above 1600FT, direct to SF920, to SF921, to SF922, to SF923 at or above 9000FT, to HATRI.
- Note RWY19 : 3.9% climb gradient required up to 2800FT.  
OBST ALT 2577FT located at 7.1NM 144° FM end of RWY19.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

WEST ONE DEPARTURE

RWY01

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	-	-	010 (002.2)	-7.8	-	-	+1700	-	-	RNP1
002	DF	SF120	-	-	-7.8	-	-	-	-	-	RNP1
003	TF	SF121	-	100 (092.2)	-7.8	8.5	-	-	-	-	RNP1
004	TF	SF122	-	190 (182.3)	-7.8	12.0	-	-	-	-	RNP1
005	TF	SF123	-	280 (272.3)	-7.8	13.5	-	+9000	-	-	RNP1
006	TF	HATRI	-	326 (318.2)	-7.8	12.1	-	-	-	-	RNP1

RWY19

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	-	-	190 (182.2)	-7.8	-	-	+1600	-	-	RNP1
002	DF	SF920	-	-	-7.8	-	-	-	-	-	RNP1
003	TF	SF921	-	100 (092.2)	-7.8	6.2	-	-	-	-	RNP1
004	TF	SF922	-	010 (002.3)	-7.8	5.5	-	-	-	-	RNP1
005	TF	SF923	-	305 (297.6)	-7.8	14.8	-	+9000	-	-	RNP1
006	TF	HATRI	-	305 (297.4)	-7.8	6.9	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).



STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

STAR

OKUJI ARRIVAL

From over OKUJI, via IXE R241 to intercept and proceed via FKE R192 to SOUMA.  
Cross SOUMA at or above 4600FT.



STANDARD ARRIVAL CHART-INSTRUMENT

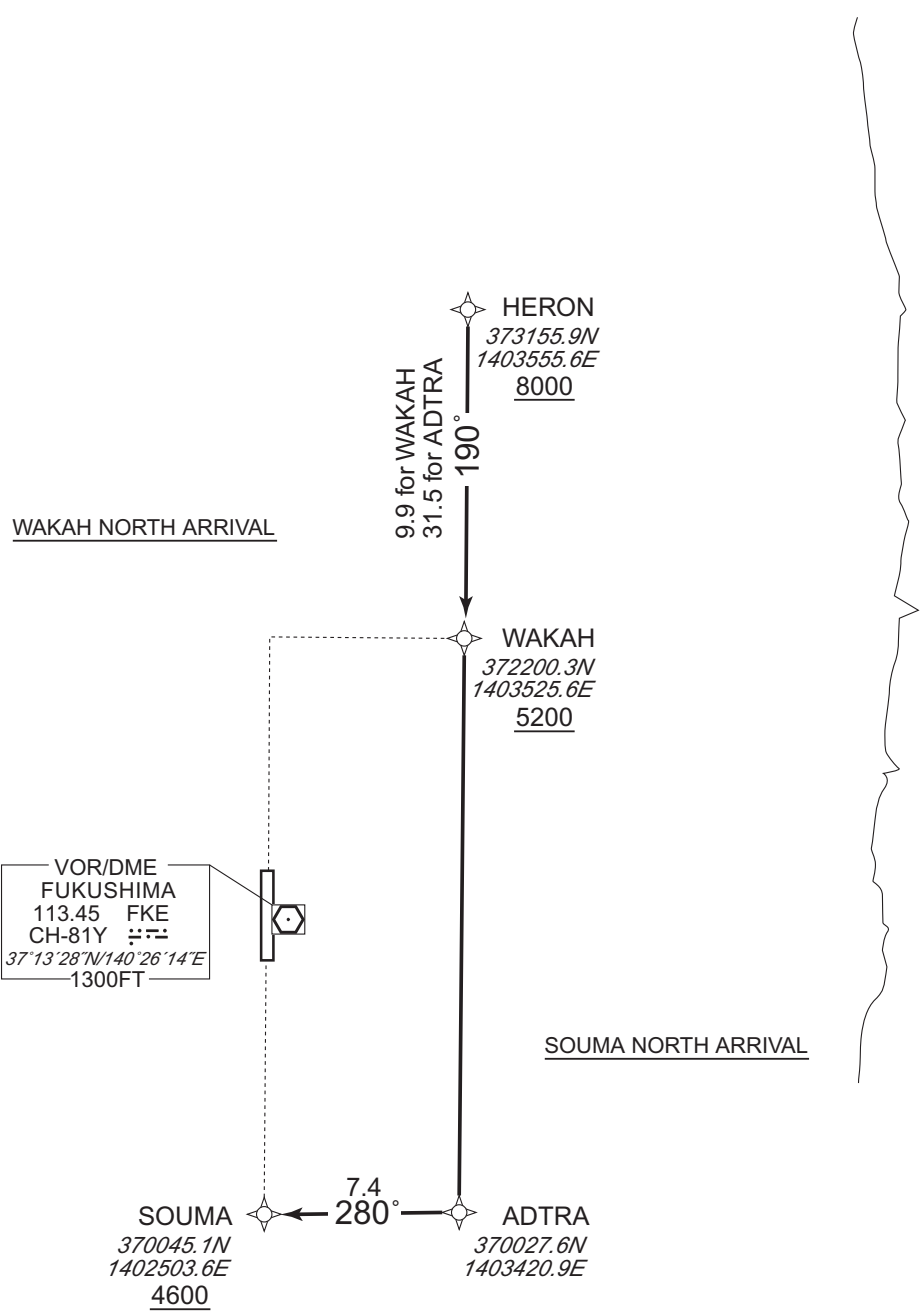
RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH NORTH ARRIVAL SOUMA NORTH ARRIVAL	RNP1
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Note GNSS required.

VAR 8°W (2016)



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA RNAV STAR RWY01/19

WAKAH NORTH ARRIVAL

From HERON at or above 8000FT, to WAKAH at or above 5200FT.

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	HERON	-	-	-7.8	-	-	+8000	-	-	RNP1
002	TF	WAKAH	-	190 (182.3)	-7.8	9.9	-	+5200	-	-	RNP1

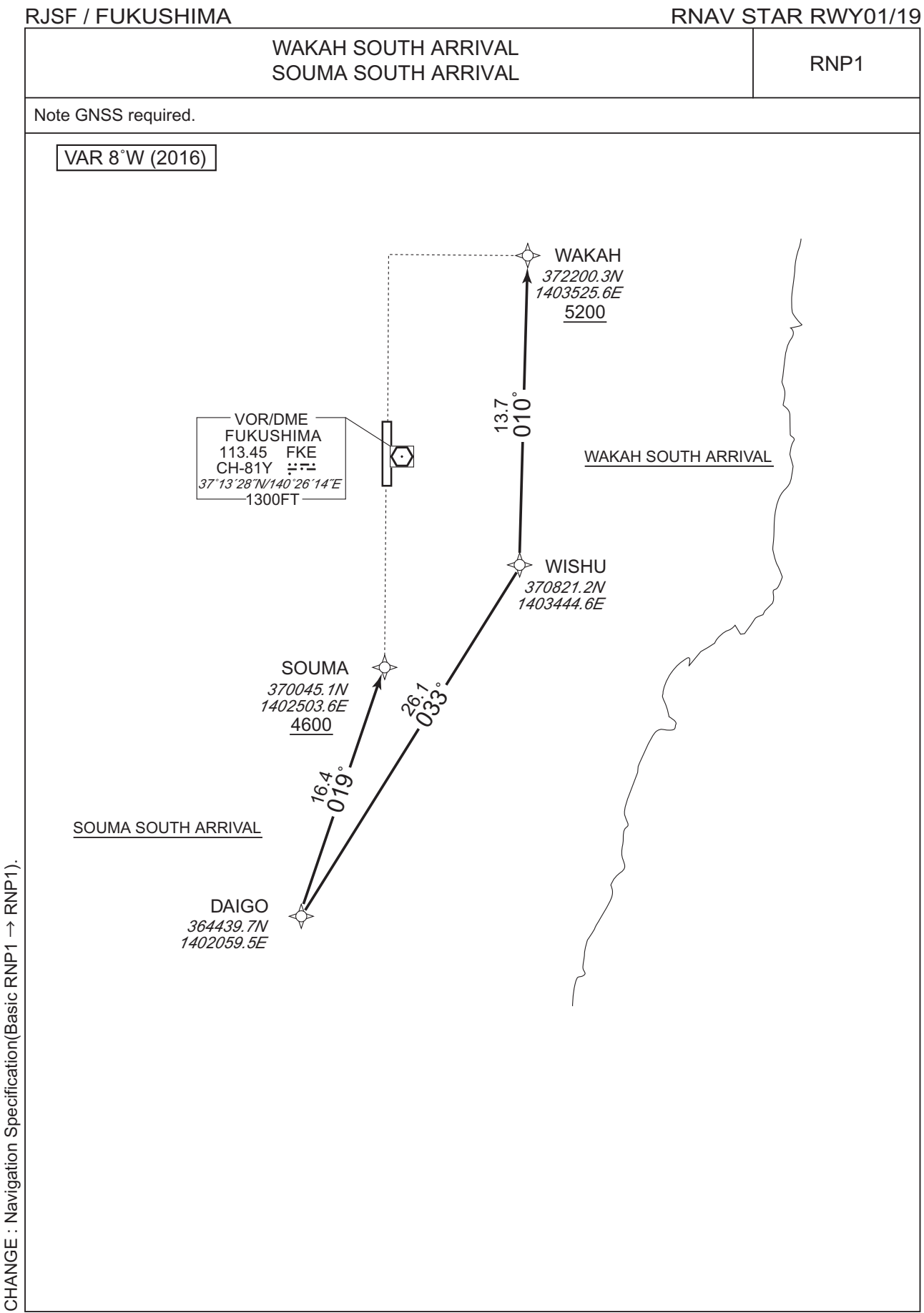
SOUMA NORTH ARRIVAL

From HERON at or above 8000FT, to ADTRA, to SOUMA at or above 4600FT.

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	HERON	-	-	-7.8	-	-	+8000	-	-	RNP1
002	TF	ADTRA	-	190 (182.3)	-7.8	31.5	-	-	-	-	RNP1
003	TF	SOUMA	-	280 (272.3)	-7.8	7.4	-	+4600	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH SOUTH ARRIVAL

From DAIGO, to WISHU, to WAKAH at or above 5200FT.

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	DAIGO	-	-	-7.8	-	-	-	-	-	RNP1
002	TF	WISHU	-	033 (024.8)	-7.8	26.1	-	-	-	-	RNP1
003	TF	WAKAH	-	010 (002.3)	-7.8	13.7	-	+5200	-	-	RNP1

SOUMA SOUTH ARRIVAL

From DAIGO, to SOUMA at or above 4600FT.

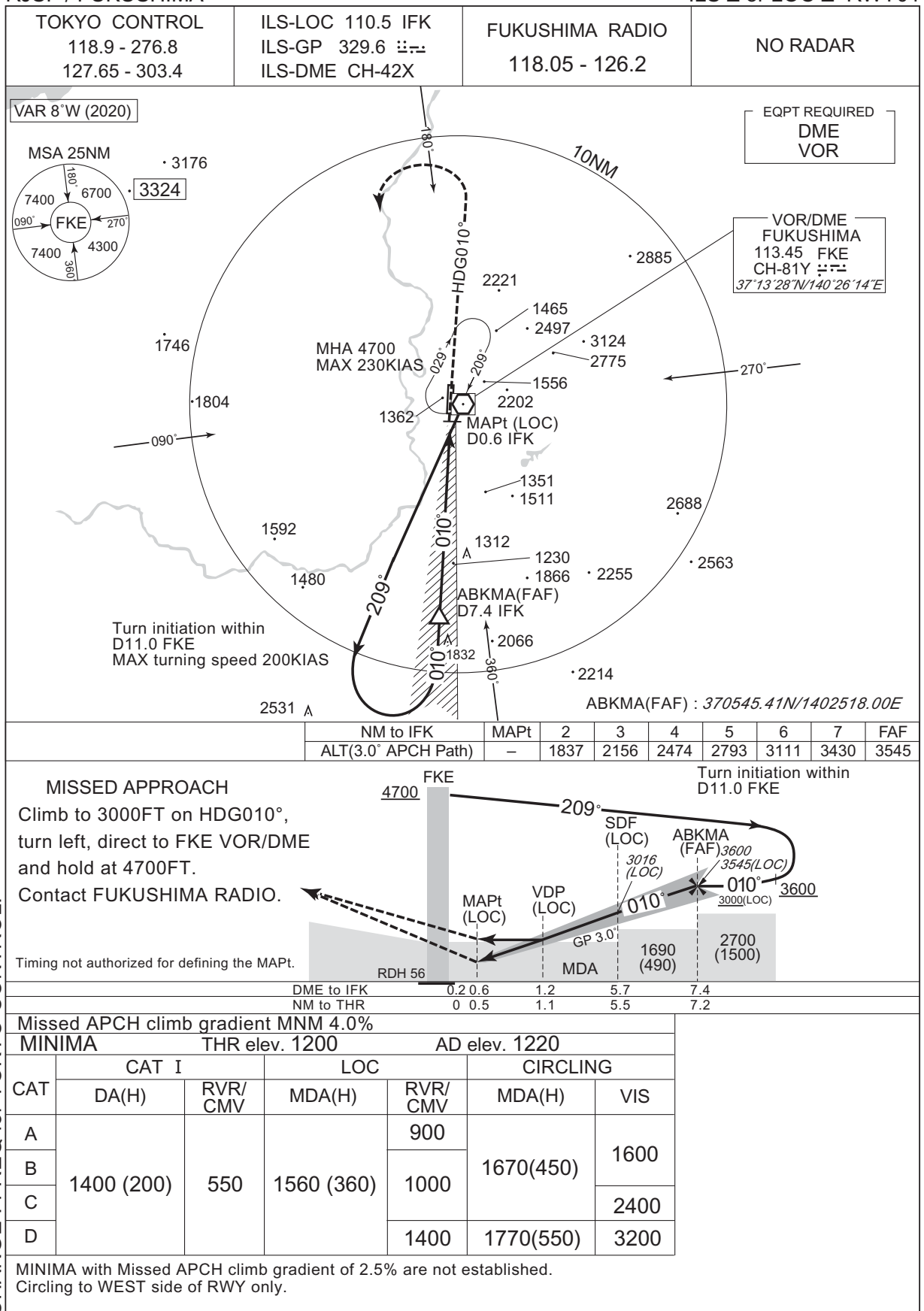
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	DAIGO	-	-	-7.8	-	-	-	-	-	RNP1
002	TF	SOUMA	-	019 (011.4)	-7.8	16.4	-	+4600	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

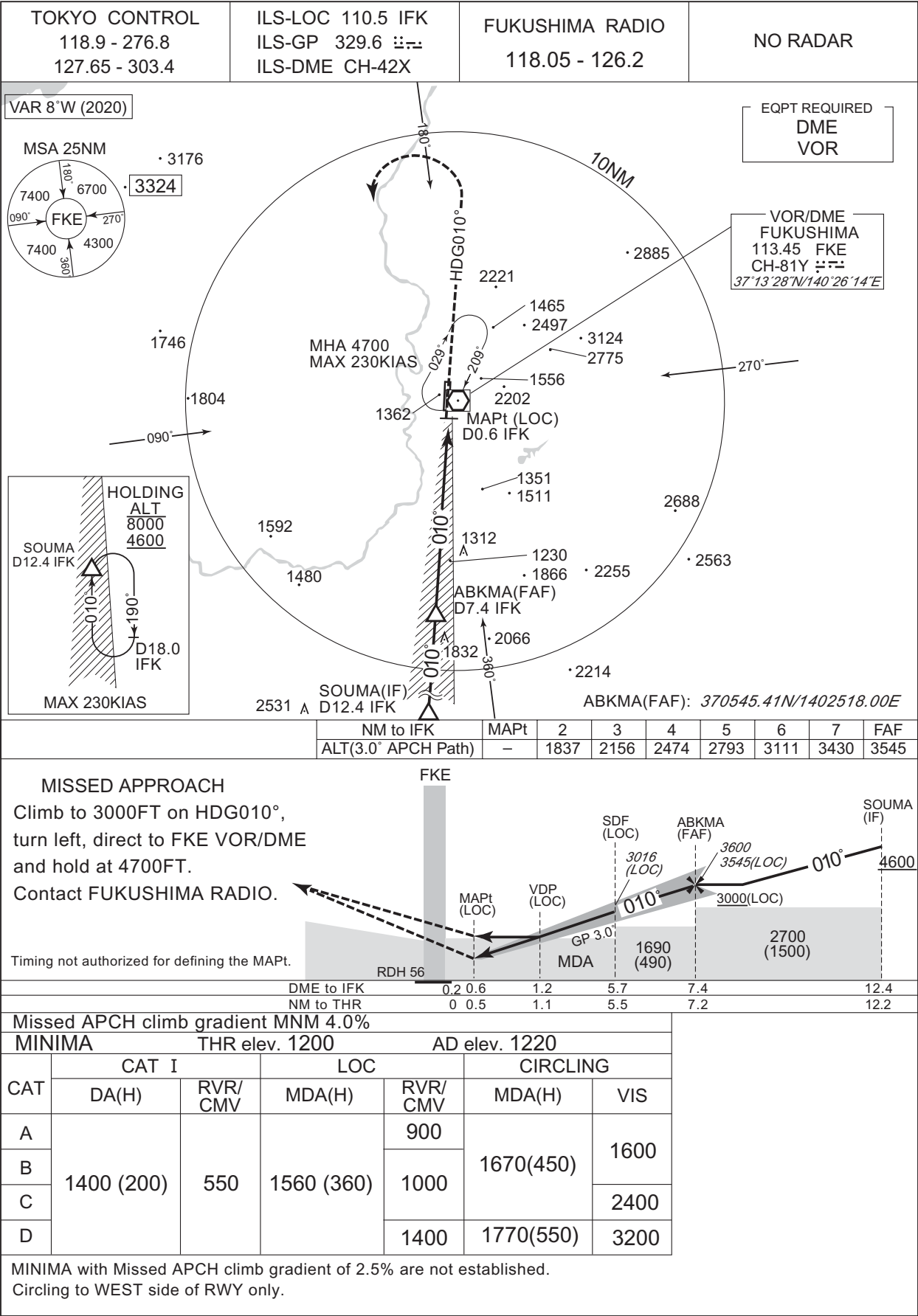
ILS Z or LOC Z RWY01



CHANGE : FREQ for TOKYO CONTROL.

INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMAILS Y or LOC Y RWY01



## RJSF / FUKUSHIMA

VOR RWY19

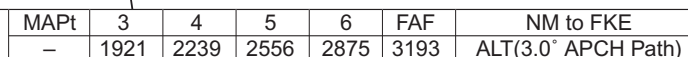
VAR 8°W (2020)

Figure 1 illustrates a non-precision approach with a turn initiation. The flight path starts at 4700 feet, descends to 3193 feet at the MAHOK (FAF) point, and then turns 175 degrees. Key points include FKE, MAPt, VDP, and MDA. A table on the right lists VDP values for CAT A, B, C, and D.

VDP
CAT A 1.9DME
CAT B 2.0DME
CAT C 2.1DME
CAT D 2.2DME

\* Timing not authorized for defining the MAPt.

DME to FKE	0.9 1.7	7
NM to THR	0 0.8	6

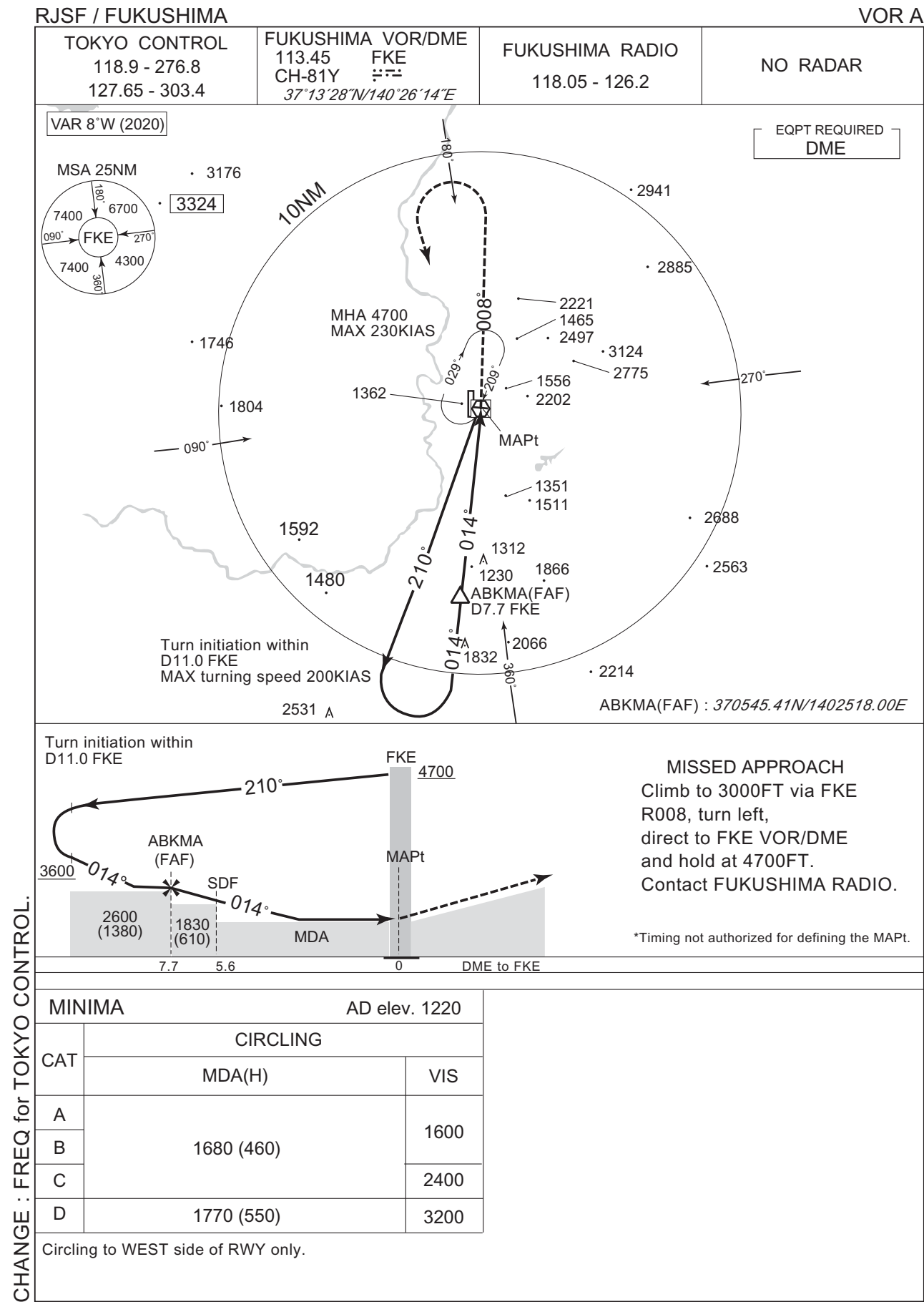
MINIMA		THR elev. 1209	AD elev. 1220	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	1550 (341)	1200	1670(450)	1600
B	1590 (381)	1300		
C	1620 (411)	1400		2400
D	1640 (431)	1600	1770(550)	3200

Circling to WEST side of RWY only.

CHANGE : FREQ for TOKYO CONTROL.



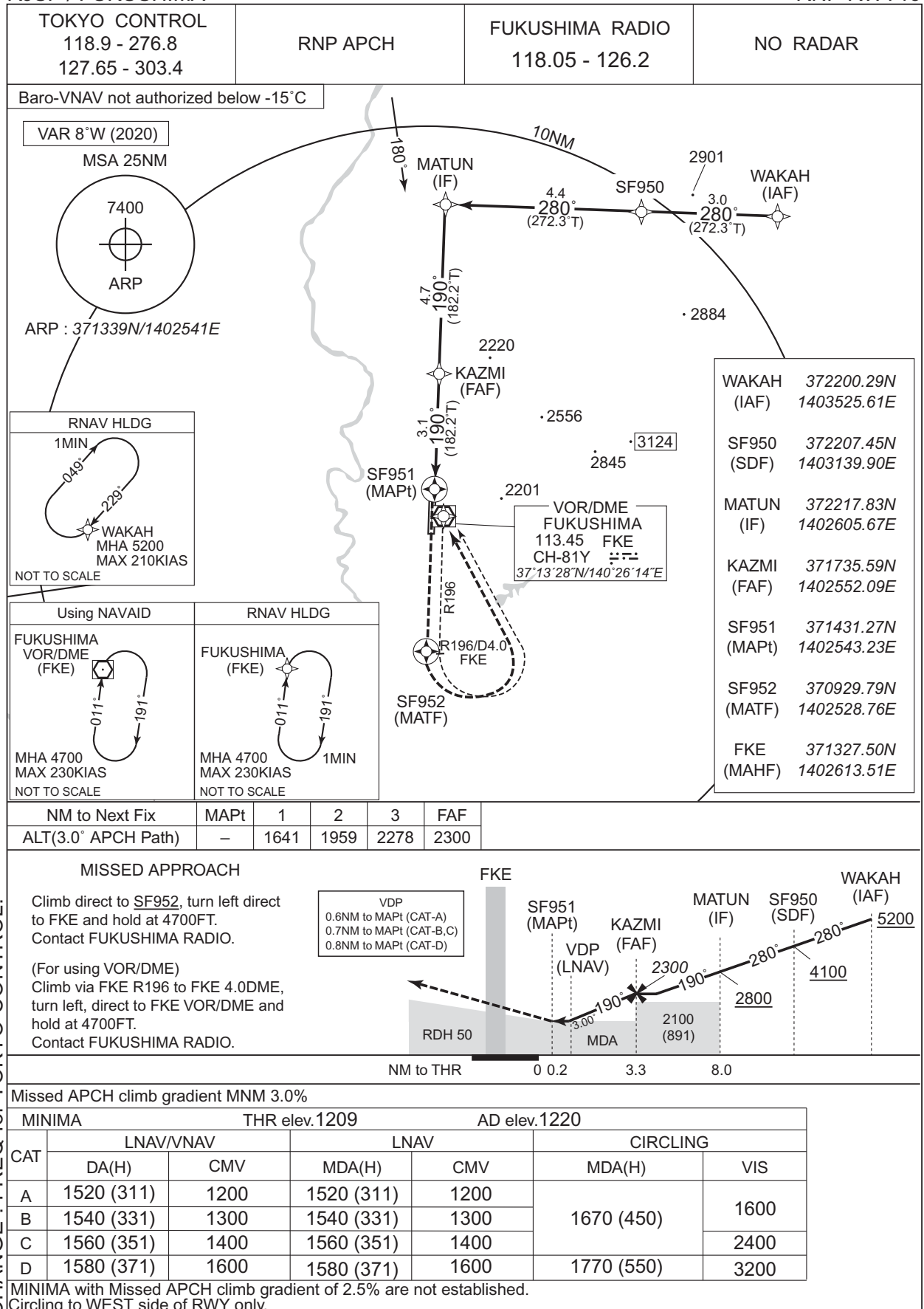
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

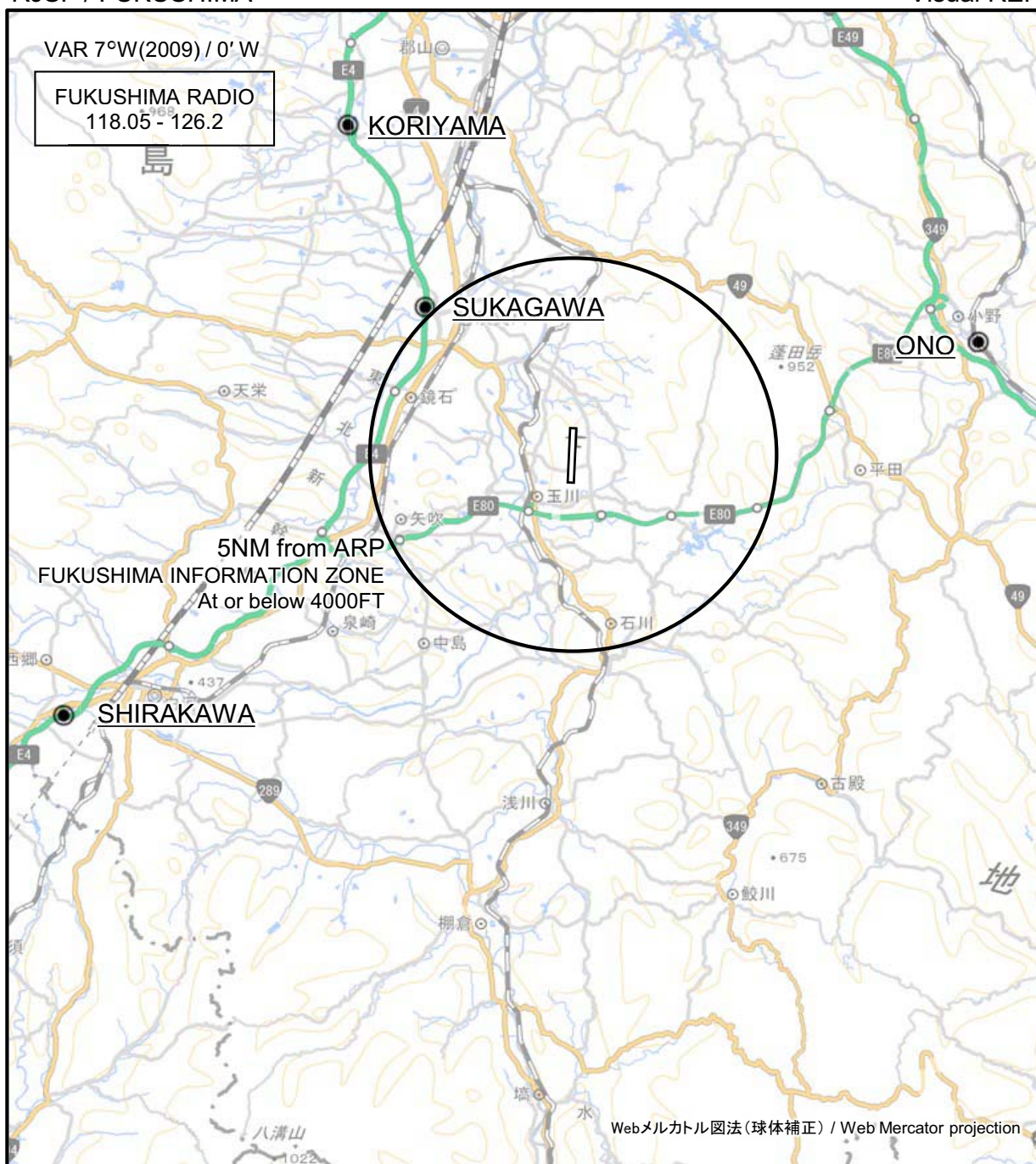
RNP RWY19



CHANGE : FREQ for TOKYO CONTROL.

RJSF / FUKUSHIMA

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 : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
郡山 Koriyama	326°T / 10.1NM	郡山南IC Interchange
須賀川 Sukagawa	316°T / 5.3NM	須賀川IC Interchange
小野 Ono	074°T / 10.4NM	JR小野新町駅 Station
白河 Shirakawa	242°T / 14.3NM	白河IC Interchange



Note : RWY may be invisible on down-wind leg of westside traffic pattern depending on altitude.

RJSF / FUKUSHIMA

Minimum Vectoring Altitude CHART

CHANGE : Shape of Minimum Vectoring Altitude.

