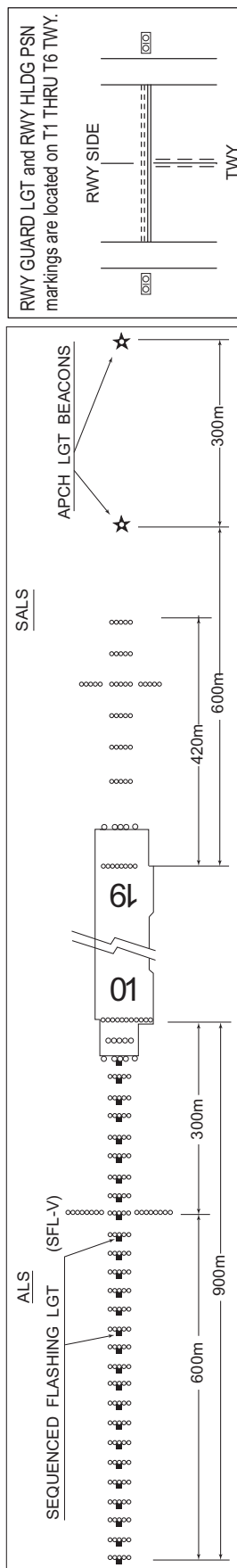
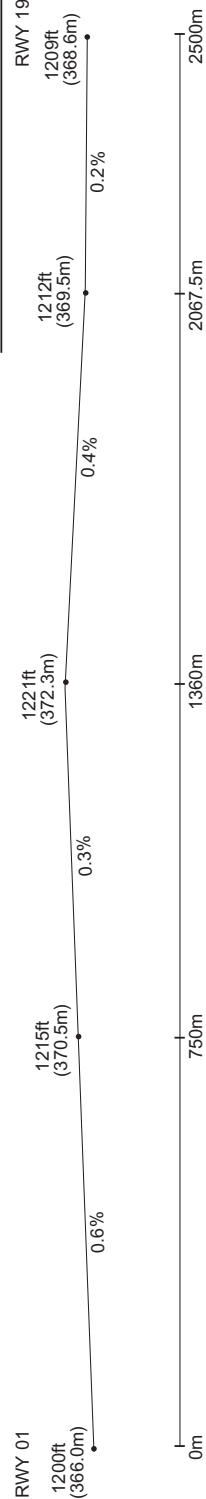


## AD CHART

FUKUSHIMA AP  
ELEV 372m (1,220ft)



## LONGITUDINAL PROFILE OF RWY



STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

SID

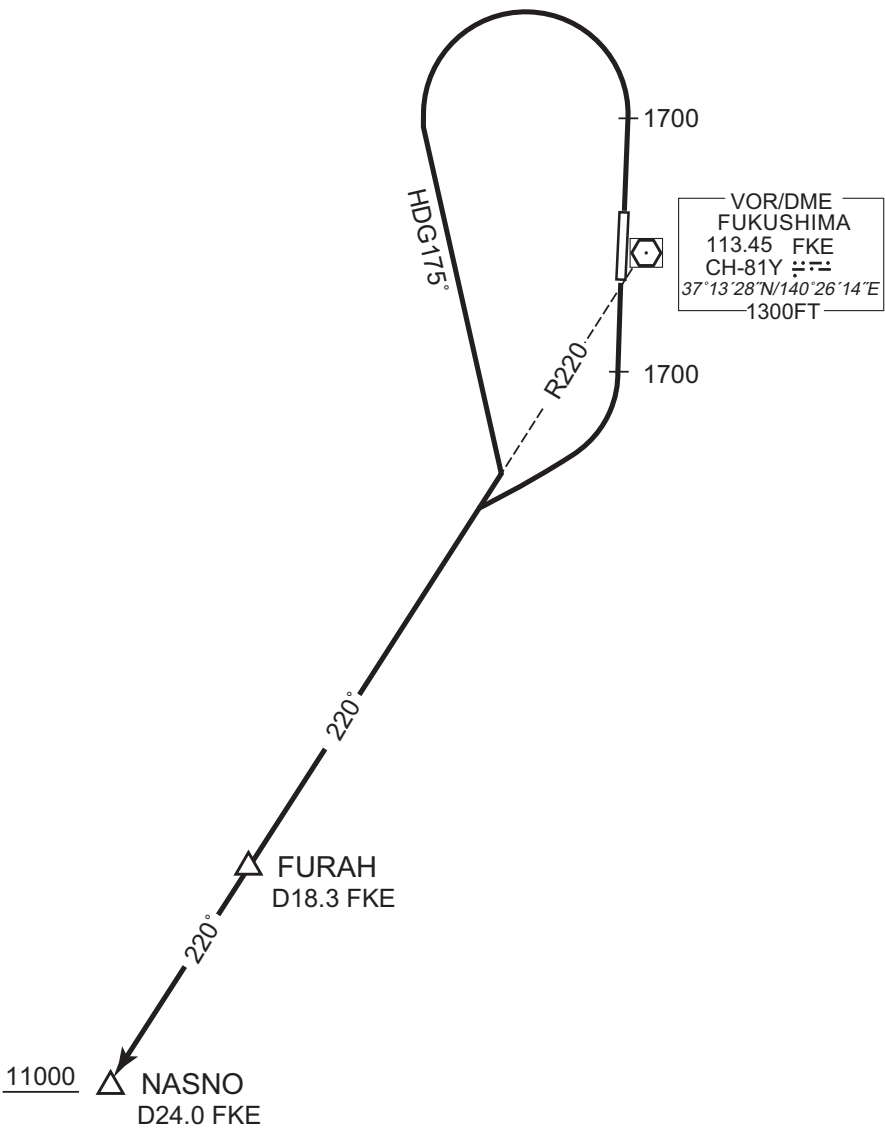
NASNO THREE DEPARTURE

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 : Description of PROC name.



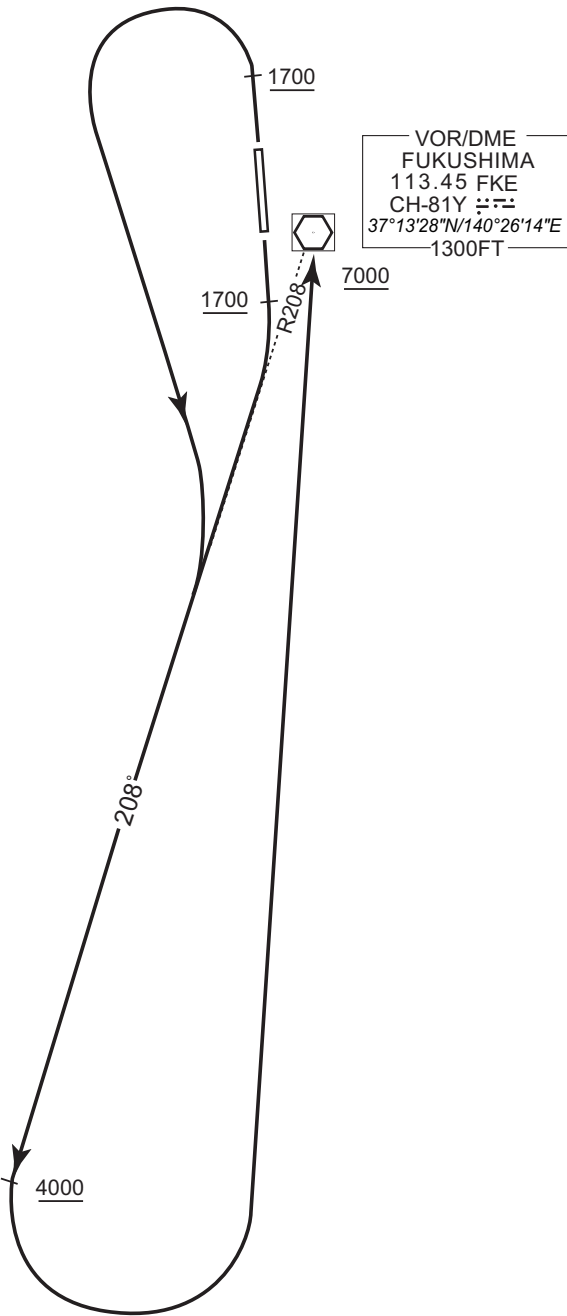
STANDARD DEPARTURE CHART-INSTRUMENT

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 : Description of PROC name.

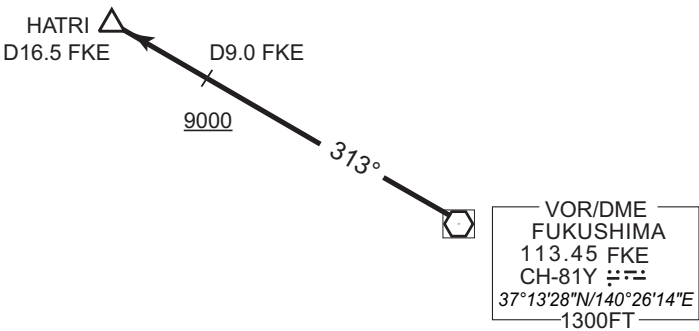
STANDARD DEPARTURE CHART-INSTRUMENT

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 : Description of PROC name.

<b>RJSF / FUKUSHIMA</b>	<b>RNAV SID</b>
<b>SOUTH ONE DEPARTURE</b>	<b>RNP1</b>
Note GNSS required.	
<div style="border: 1px solid black; display: inline-block; padding: 2px 5px; margin-bottom: 10px;"> <b>VAR 8°W</b> </div> <p>The chart illustrates the SOUTH ONE DEPARTURE RNAV SID procedure. It starts at the NASNO (11000) fix. Two departure paths are shown: one for RWY01 (climb on HDG010°) and one for RWY19 (climb on HDG190°). Both paths lead to a 1700FT altitude. The RWY01 path includes a turn left to HDG208° and a distance of 18.1 to the SF100 fix. The RWY19 path includes a turn left to HDG010°.</p>	
<p> <b>RWY01 :</b> Climb on HDG010° at or above 1700FT, turn left direct to SF100, to NASNO at or above 11000FT.         </p> <p> <b>RWY19 :</b> Climb on HDG190° at or above 1700FT, turn right direct to NASNO at or above 11000FT.         </p>	

STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMARNAV 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

Waypoint Coordinates

Waypoint Identifier	Coordinates
SF100	371004.0N/1401801.4E
NASNO	365306.1N/1401016.3E

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART-INSTRUMENT

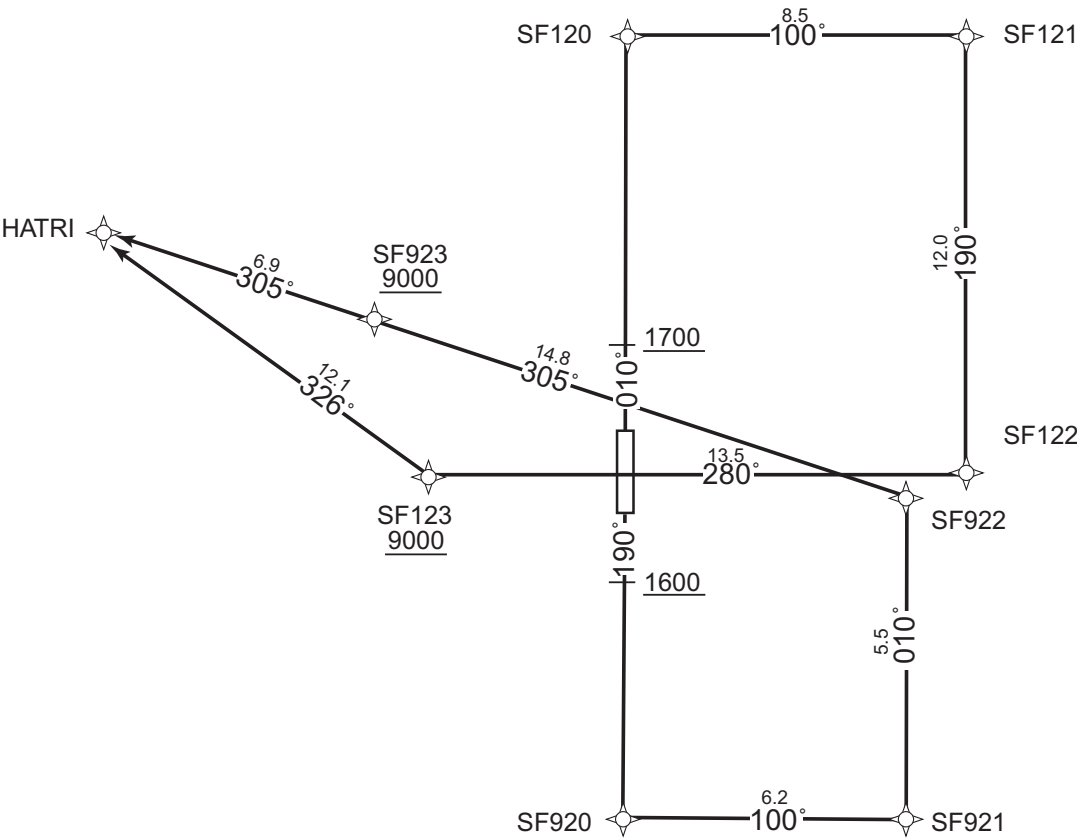
RJSF / FUKUSHIMA

RNAV SID

WEST ONE DEPARTURE	RNP1
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Note GNSS required.

VAR 8°W



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 : Description of PROC name, VOR/DME.

## 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

Waypoint Coordinates

Waypoint Identifier	Coordinates
SF120	372549.9N / 1402615.9E
SF121	372529.7N / 1403655.9E
SF122	371329.2N / 1403619.5E
SF123	371400.6N / 1401925.7E
SF920	370746.0N / 1402523.8E
SF921	370731.4N / 1403308.8E
SF922	371301.7N / 1403325.2E
SF923	371950.3N / 1401658.9E
HATRI	372259.6N / 1400918.9E

CHANGE : Waypoint Coordinates added.



STANDARD ARRIVAL CHART-INSTRUMENT

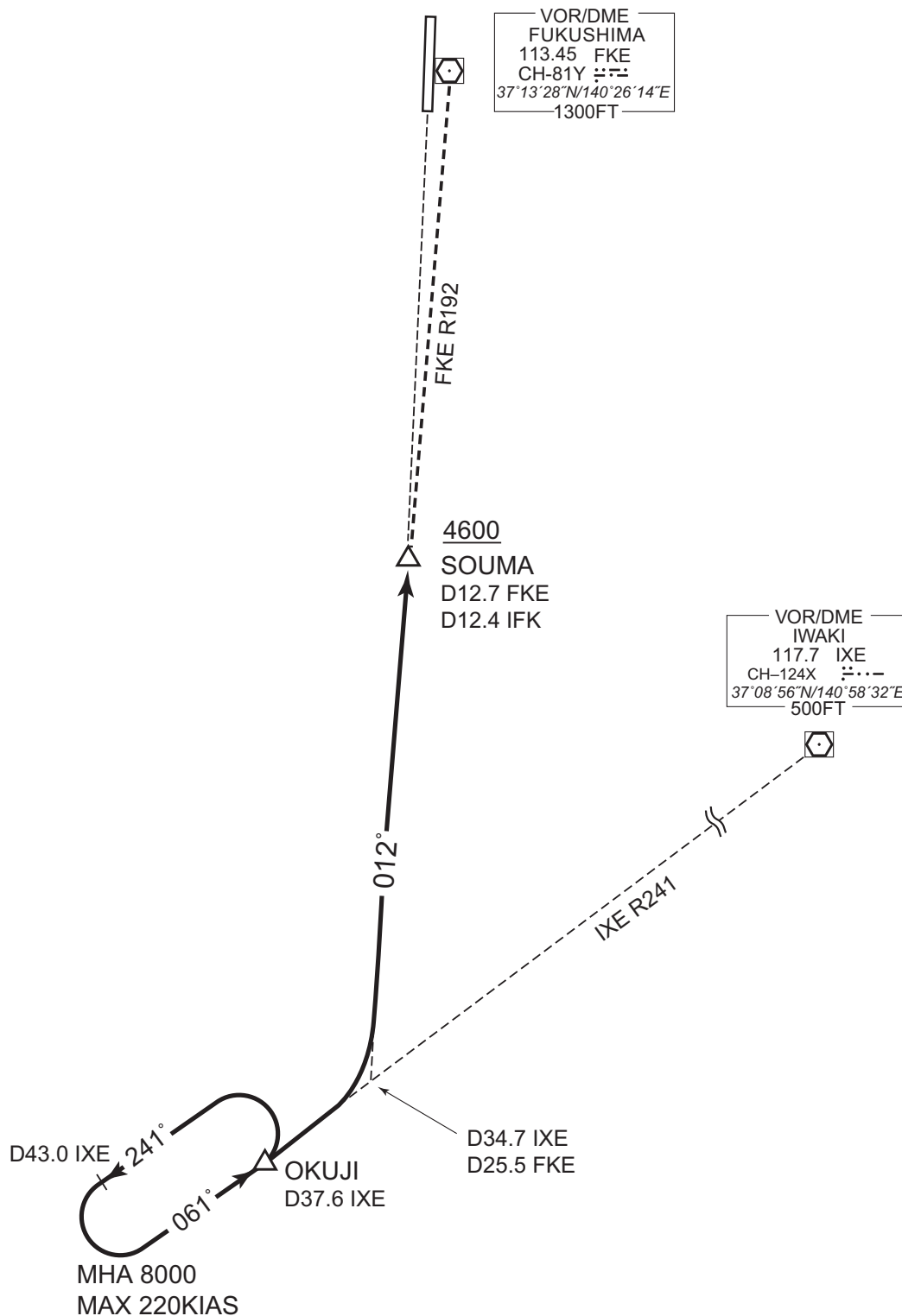
RJSF / FUKUSHIMA

STAR

OKUJI ARRIVAL

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

CHANGE : Description of PROC name.



STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

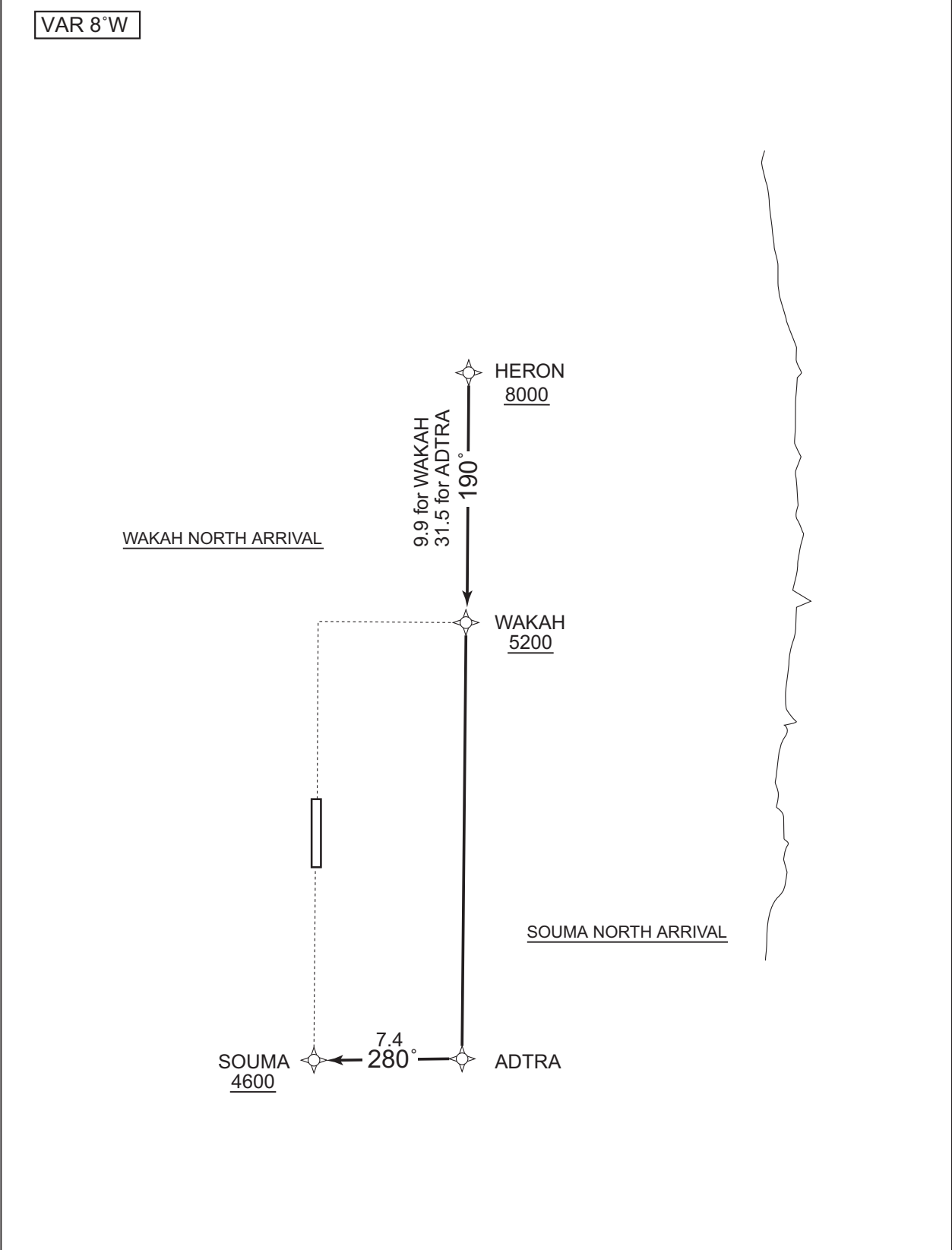
RNAV STAR RWY01/19

WAKAH NORTH ARRIVAL SOUMA NORTH ARRIVAL	RNP1
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Note GNSS required.

VAR 8°W

CHANGE : Description of PROC name and VOR/DME, ALT restriction at HERON, WAKAH, SOUMA.



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

Waypoint Coordinates

Waypoint Identifier	Coordinates
HERON	373155.9N / 1403555.6E
WAKAH	372200.3N / 1403525.6E
ADTRA	370027.6N / 1403420.9E
SOUMA	370045.1N / 1402503.6E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

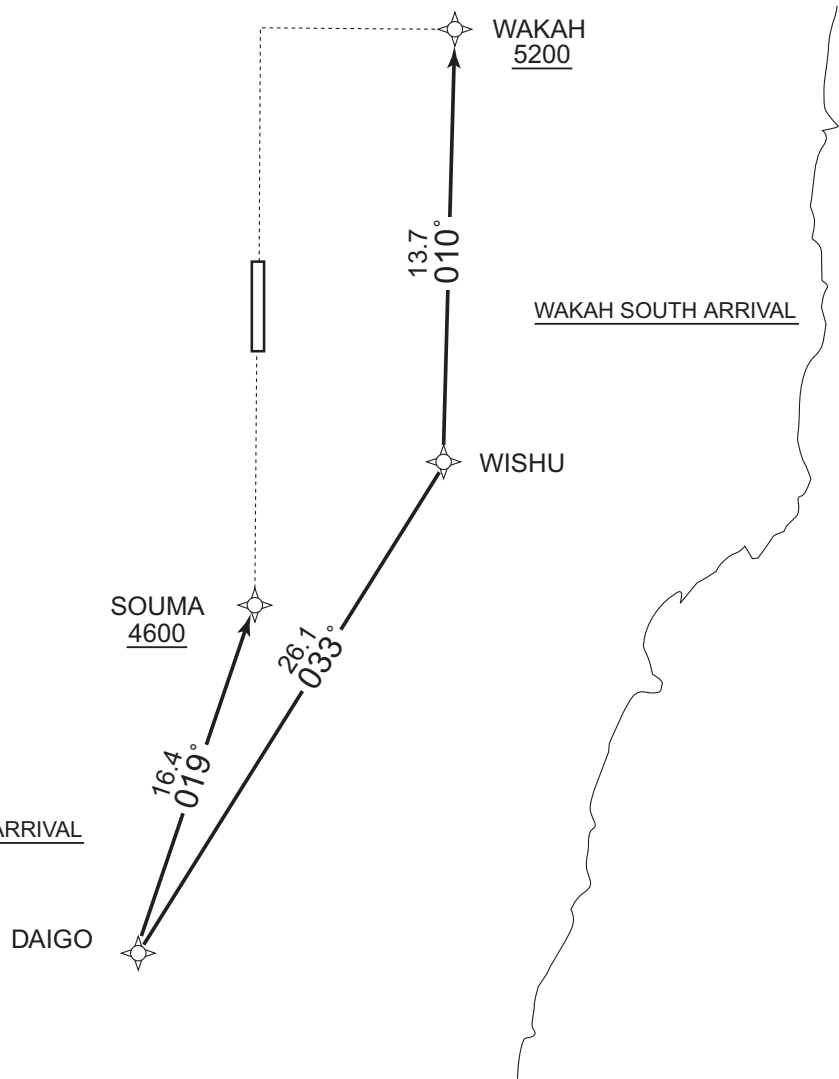
RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH SOUTH ARRIVAL SOUMA SOUTH ARRIVAL	RNP1
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Note GNSS required.

VAR 8°W



CHANGE : Description of VOR/DME, ALT restriction at WAKAH, SOUMA.

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

Waypoint Coordinates

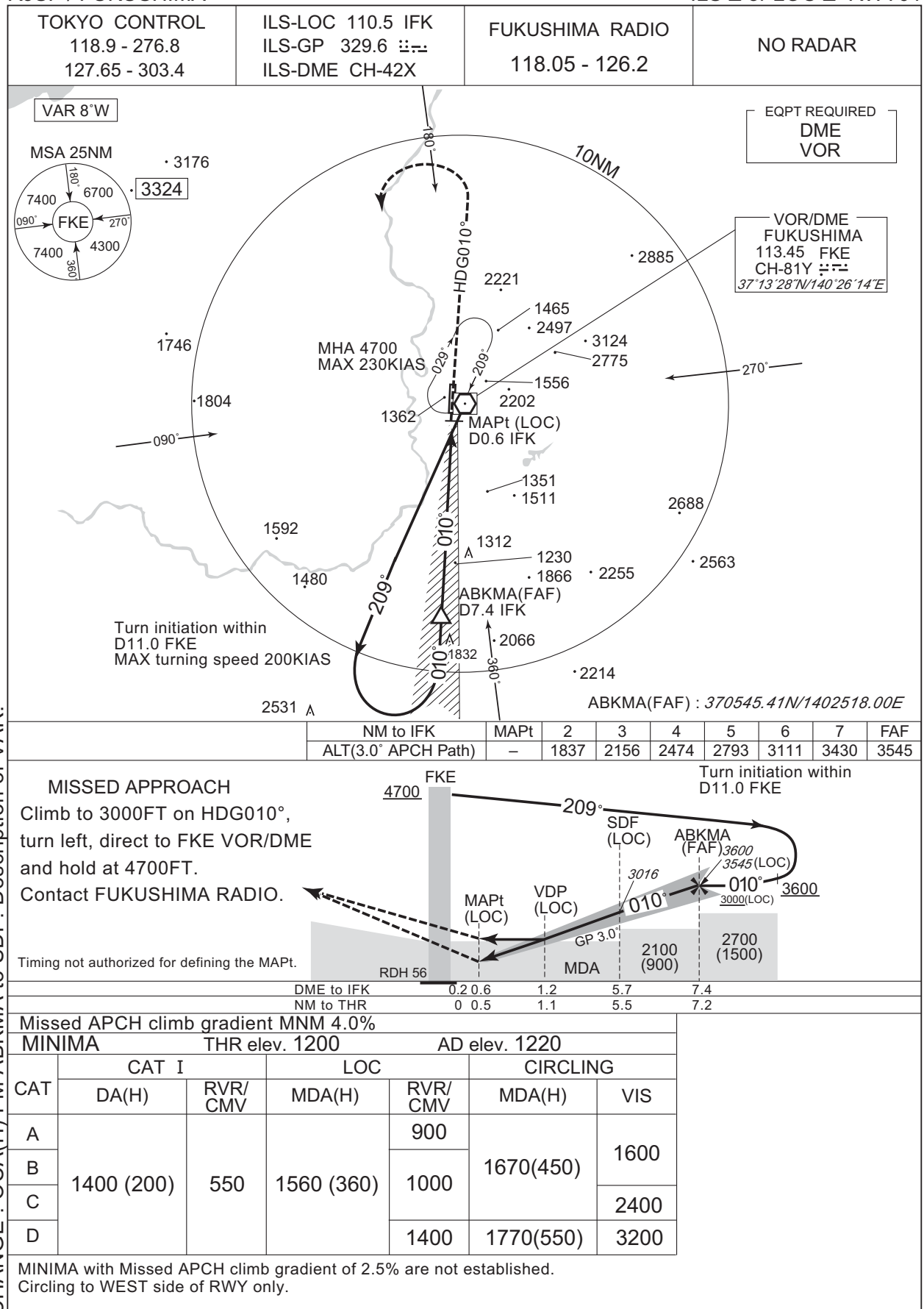
Waypoint Identifier	Coordinates
DAIGO	364439.7N / 1402059.5E
WISHU	370821.2N / 1403444.6E
WAKAH	372200.3N / 1403525.6E
SOUMA	370045.1N / 1402503.6E

CHANGE : Waypoint Coordinates added.

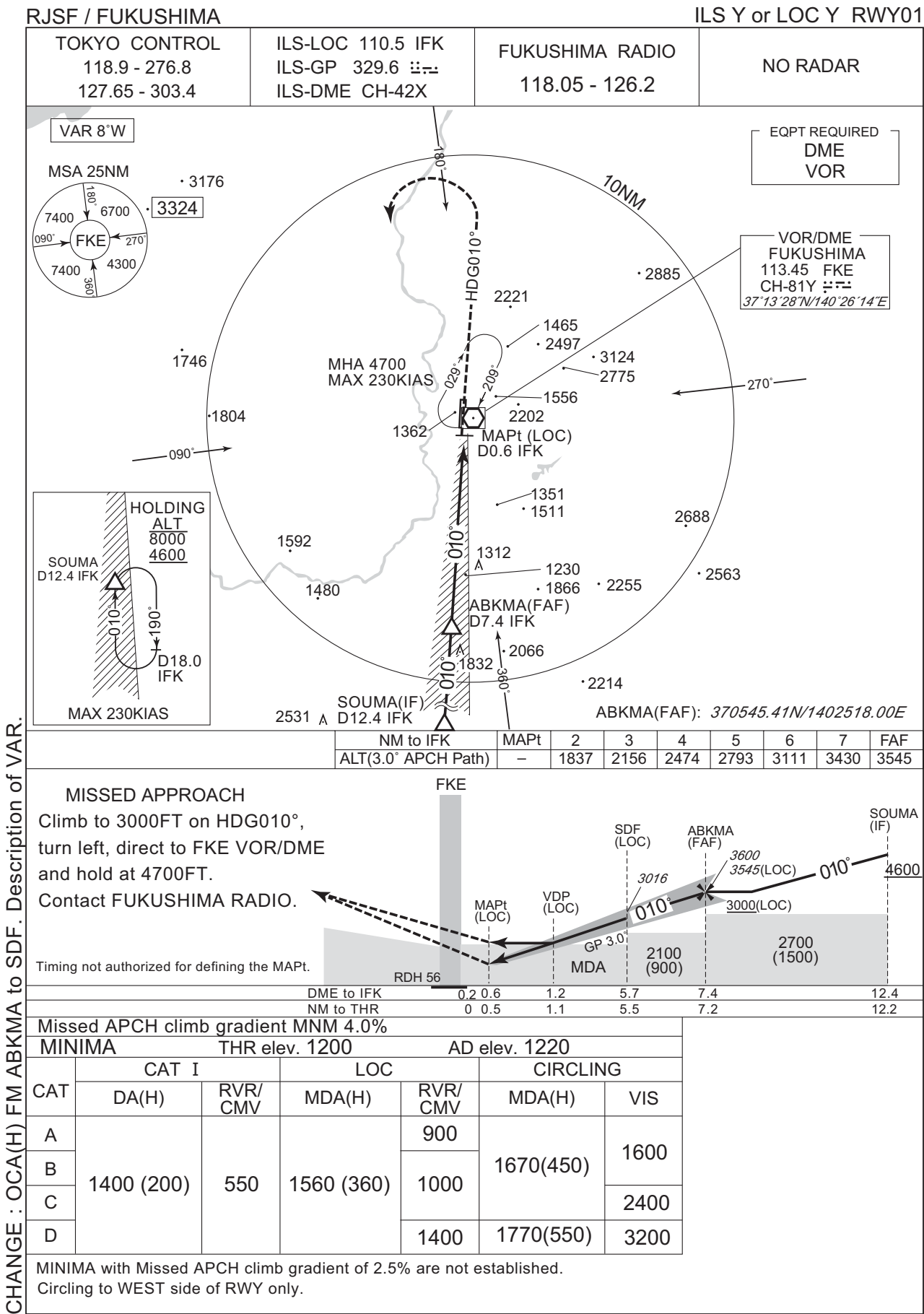
## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

ILS Z or LOC Z RWY01



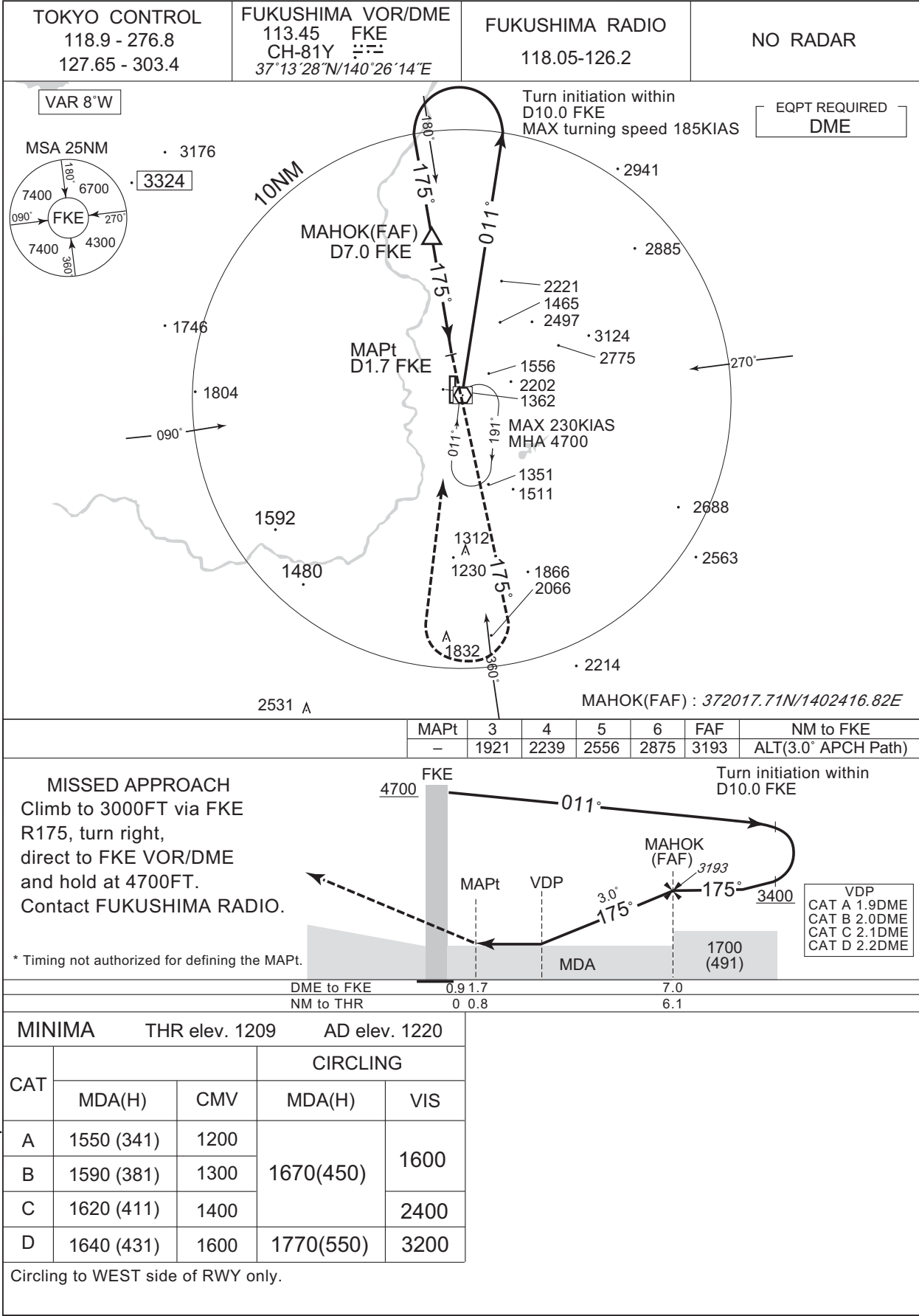
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

VOR RWY19

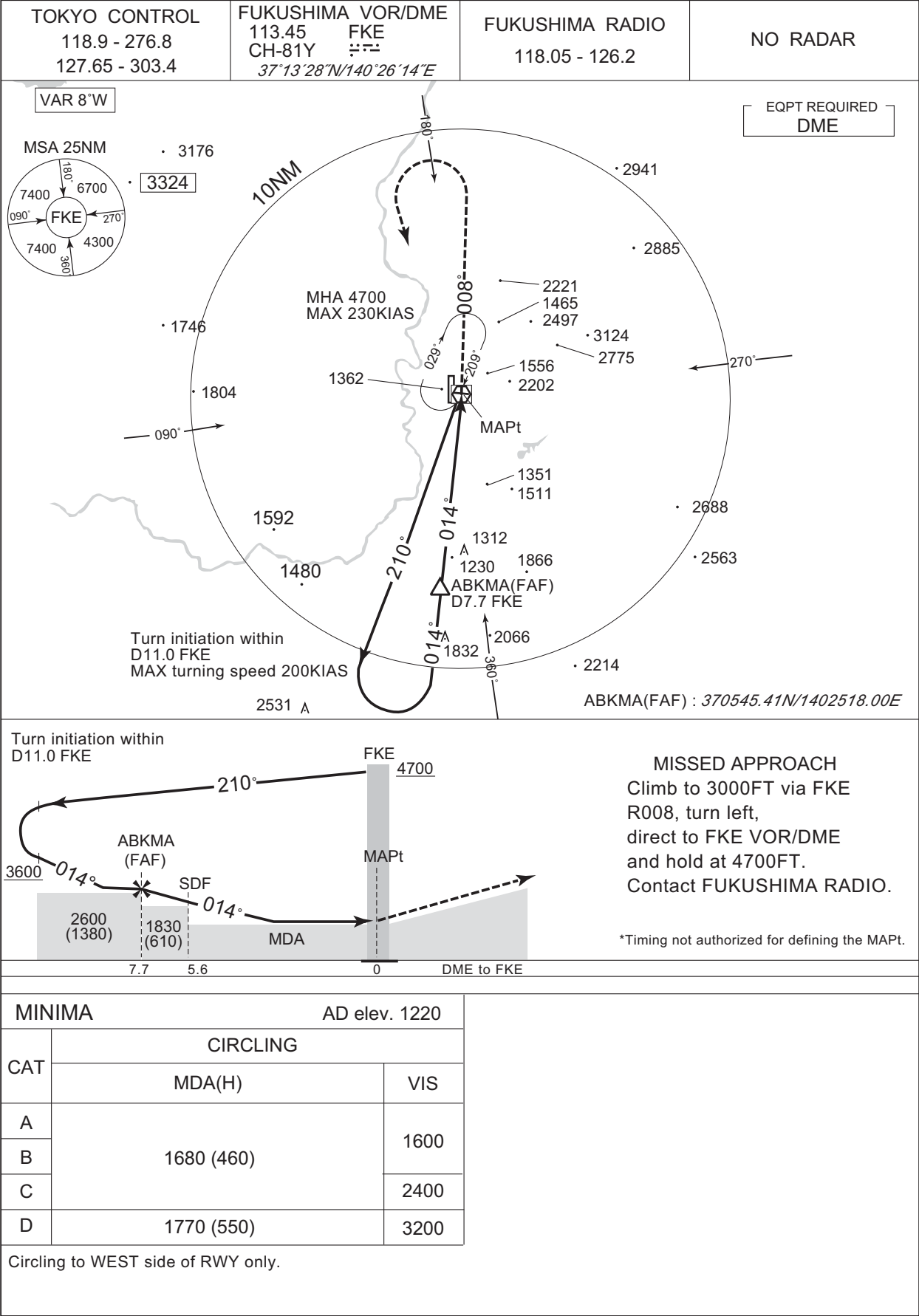




INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

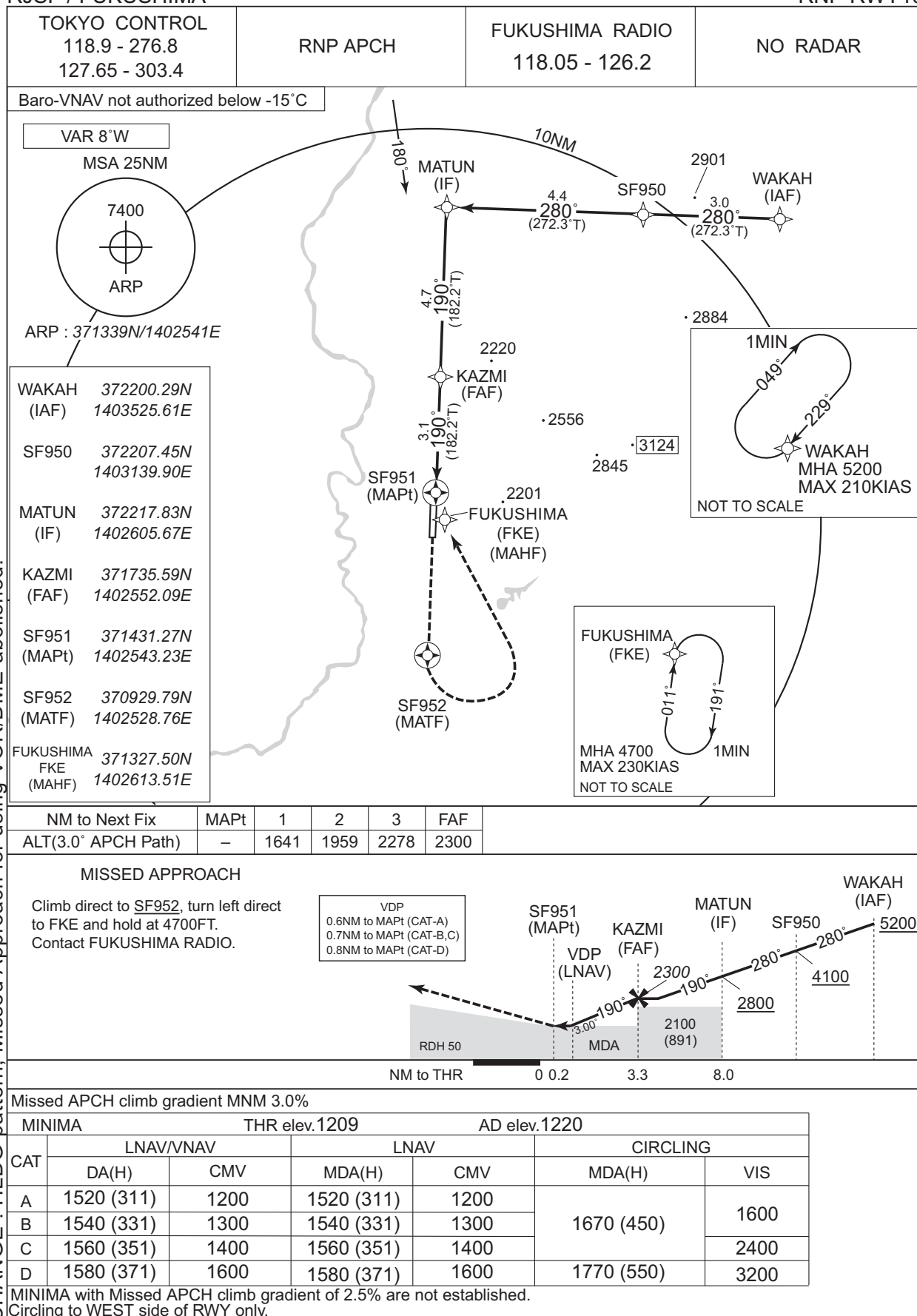
VOR A



## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

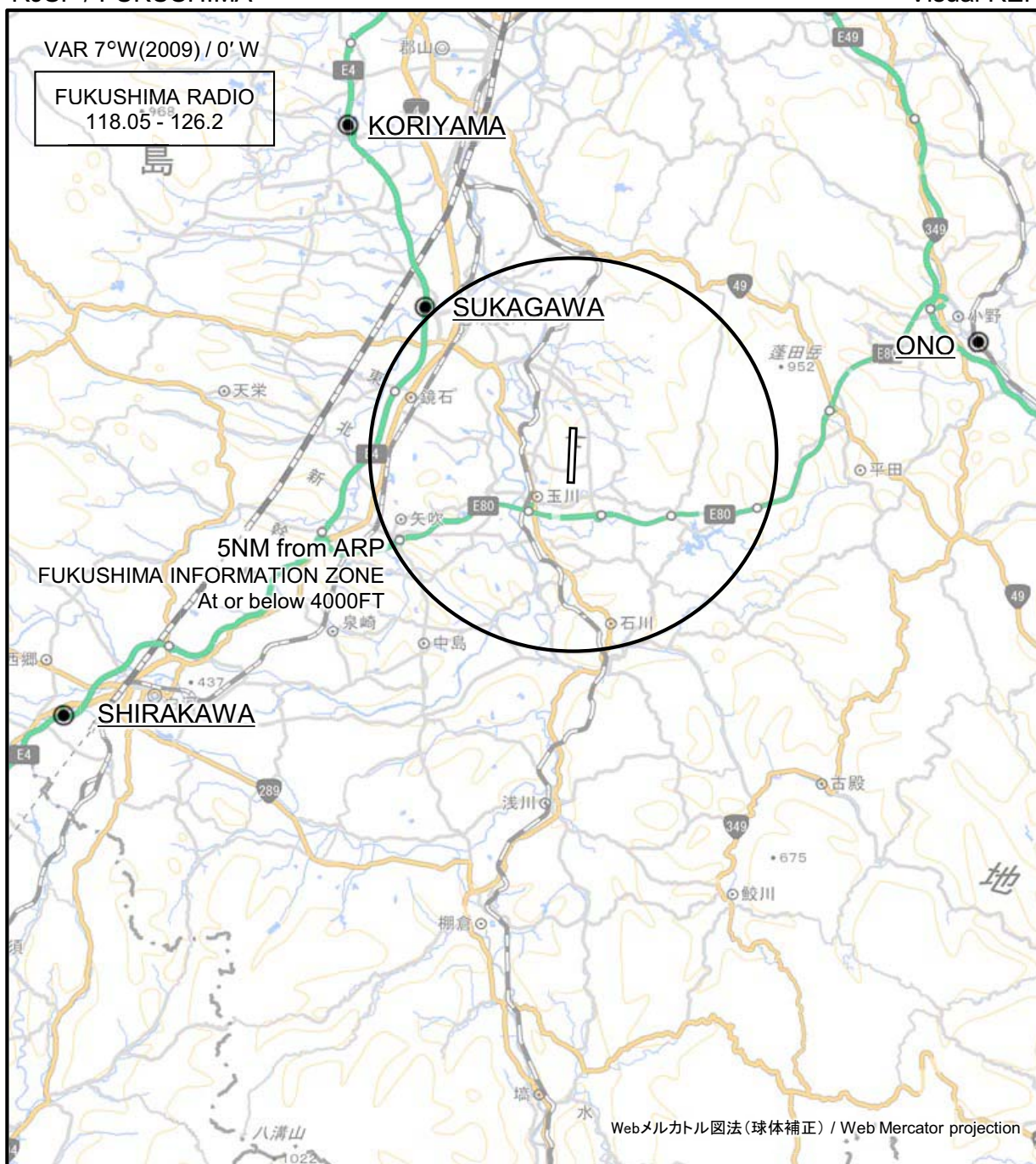
RNP RWY19



CHANGE : HLDG pattern, Missed Approach for using VOR/DME abolished.

RJSF / FUKUSHIMA

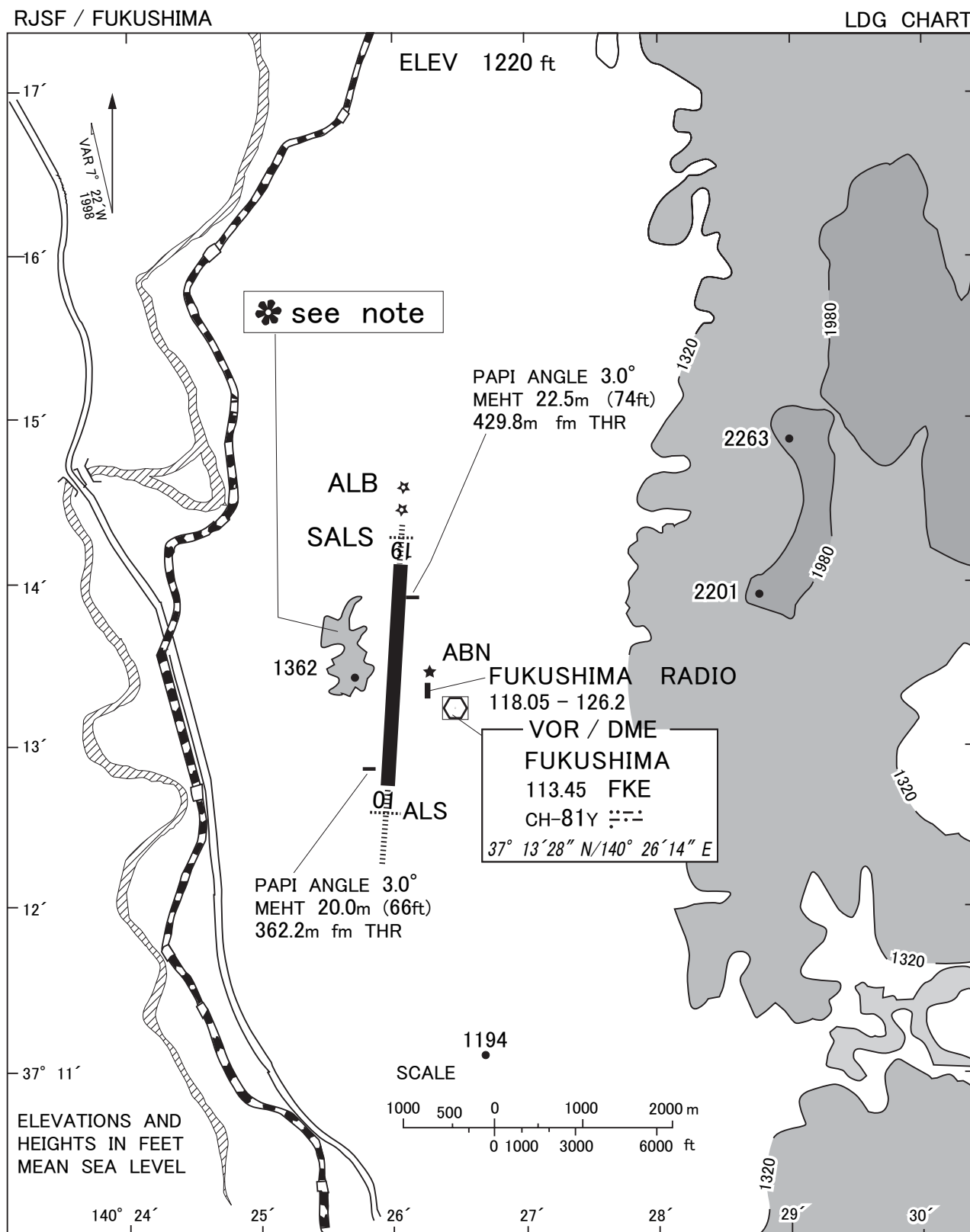
Visual REP



※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.

