

## AD 2 AERODROMES

## RJSF AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## RJSF - FUKUSHIMA

## RJSF AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	371339N 1402541E 2°/1.25km FM RWY 01 THR
2	Direction and distance from (city)	19.4km(10.5nm) SSE of Koriyama station
3	Elevation/ Reference temperature	1220ft / 29°C(2004-2008)
4	Geoid undulation at AD ELEV PSN	139ft
5	MAG VAR/ Annual change	7° W (2009) / 0' W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Fukushima Airport office(Fukushima prefectural government) 21 habakita kitasugama tamakawa-mura ishikawa-gun fukushima pref 963-6304 Japan Tel:0247-57-1111 Fax:0247-57-1257 e-mail:fukushimakuukou@pref.fukushima.lg.jp URL:http:// www.pref.fukushima.lg.jp/sec/41410a/
7	Types of traffic permitted(IFR/VFR)	IFR/VFR
8	Remarks	Fukushima Airport Branch(Civil Aviation Bureau) 21 habakita kitasugama tamakawa-mura ishikawa-gun fukushima pref 963-6304 Japan Tel.0247-57-1101 Fax.0247-57-1104

## RJSF AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 - 1200
2	Customs and immigration	Customs: 2330-0815 Immigration: INTL SKED FLT hours only
3	Health and sanitation	Quarantine(human): 2330-0815 Quarantine(animal): On request(022-383-2302) Quarantine(plant): On request(022-362-6916)
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (TOKYO)
7	ATS	2300 - 1200
8	Fuelling	2300 - 1200
9	Handling	2200 - 1100
10	Security	2200 - 1030
11	De-icing	Nil
12	Remarks	Nil

**RJSF AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	All the modern institutions that deal with the weight thing to Boeing 767 type freighter.
2	Fuel/ oil types	Fuel grades:JET A-1
3	Fuelling facilities/ capacity	Fuel truck refueling / 200KL
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

**RJSF AD 2.5 PASSENGER FACILITIES**

1	Hotels	Nil
2	Restaurants	At Airport
3	Transportation	Buses,Taxi and rental car
4	Medical facilities	Hospital in Sukagawa city 10km
5	Bank and Post Office	Cash Service ,Post
6	Tourist Office	Nil
7	Remarks	Nil

**RJSF AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	CAT 9
2	Rescue equipment	Chemical fire fighting truck x 3, Water-supply truck, Emergency medical equipments conveyance truck
3	Capability for removal of disabled aircraft	Ask AD Administration
4	Remarks	Nil

**RJSF AD 2.7 SEASONAL AVAILABILITY-CLEARING**

1	Types of clearing equipment	Snow Removal Equipments : snow plows x 4, rotaries x 2, snow sweepers x 5, urea sprinkler equipments x 2
2	Clearance priorities	1. RWY, TWY(parallel ,T1,T6 ,A1) 2. TWY(T2 - T5 , A2) ,Apron
3	Remarks	Seasonal availability: All seasons Snow removal will be commenced,if the RWY and TWY are covered with a depth of 3cm snow or more.

**RJSF AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1	Apron surface and strength	Surface:Concrete Strength:PCR 1132/R/B/W/T
2	Taxiway width, surface and strength	Width: T2 - T5, A1 and A2 : 34m T1 and T6 : 32m P1 - P6 : 30m Surface: Asphalt-Concrete Strength: PCR 896/F/B/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	Spot NR 1: 371340.87N 1402558.67E 2: 371339.17N 1402558.59E 3: 371337.05N 1402558.26E 5: 371334.95N 1402558.39E 6: 371333.26N 1402558.20E 7: 371331.39N 1402558.05E
6	Remarks	Nil

**RJSF AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Aircraft stand identification signs:Spot 1-3,5-7 Aircraft stand taxi lane:A1,A2 Visual docking guidance system:Nil
2	RWY and TWY markings and LGT	RWY:01/19 (Marking)RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe (LGT)RCLL, REDL, RTHL, RENL, RTZL(for RWY01), WBAR(for RWY01), RWY DIST marker LGT  TWY: (Marking)TWY CL, RWY HLDG PSN, TWY side stripe (LGT)TWY edge LGT, TWY CL LGT, RWY guard LGT(T1-T6), Taxiing guidance sign(T1-T6)
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area, ACFT PRKG PSN, Apron TWY CL (LGT) Apron flood LGT

**RJSF AD 2.10 AERODROME OBSTACLES**

In Area2 See Obstacle data

In Area3 To be developed

## RJSF AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	TOKYO
2	Hours of service MET Office outside hours	H24 (TOKYO)
3	Office responsible for TAF preparation Periods of validity	TOKYO 30 Hours
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at TOKYO
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> , P <sub>SWM</sub> , P <sub>SW</sub> (domestic), U <sub>2</sub> /Tr, E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information(limitation of service, etc.)	Nil

## RJSF AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCR) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
01	002.20°	2500×60	PCR 850/F/B/X/T Asphalt Concrete	371258.23N 1402538.76E 139ft	THR ELEV: 1200ft TDZ ELEV: 1218ft
19	182.20°	2500×60	PCR 850/F/B/X/T Asphalt Concrete	371419.26N 1402542.65E 139ft	THR ELEV: 1209ft
Slope of RWY	Strip Dimensions(M)		RESA (Overrun) Dimensions(M)		Remarks
7	10		11		14
See AD2.24 AD CHART	2620×300 2620×300		192 × (MNM:200 MAX:300)* 42 × (MNM:275 MAX:300)* *For detail, ask airport administrator		RWY Grooving:2500×60m

## RJSF AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
01	2500	2500	2500	2500	Nil
19	2500	2500	2500	2500	Nil

## RJSF AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
01	PALS (CAT I) 900m LIH	Green Green	PAPI 3.0°/Left 362.2m 66ft	900m	2500m 30m Coded Color (White/Red) LIH	2500m 60m Coded Color (White/Yellow) LIH	Red	Nil (*2)
19	SALS (*1) 420m LIH	Green Nil	PAPI 3.0°/Left 429.8m 74ft	Nil	2500m 30m Coded Color (White/Red) LIH	2500m 60m Coded Color (White/Yellow) LIH	Red	Nil (*2)
Remarks								
10								
SALS with APCH LGT beacon (600m and 900m FM RWY THR ) (*1) Overrun area edge LGT(LEN60m color:Red) (*2)								

## RJSF AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: 371343N/1402601E, White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI:Nil Anemometer: RWY01:246m FM RWY01 THR, LGTD RWY19:283m FM RWY19 THR. LGTD
3	TWY edge and center line lighting	TWY edge and center line lights installed, see AD2.9
4	Secondary power supply/ switch-over time	Within 1sec : REDL, RCLL, RTHL, RENL, WBAR, Overrun area edge LGT Within 15sec : Other LGT
5	Remarks	WDI LGT

**RJSF AD 2.16 HELICOPTER LANDING AREA**

Nil
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**RJSF AD 2.17 ATS AIRSPACE**

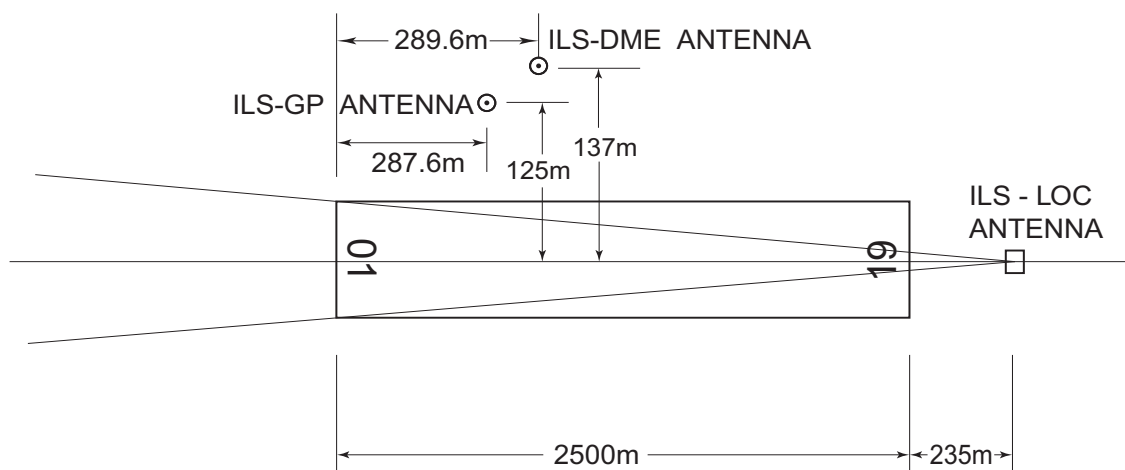
Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Fukushima Information Zone	Area within a radius of 5nm(9km) of Fukushima ARP	4,000 or below	E	Fukushima Radio En	

**RJSF AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	Fukushima Radio	118.05MHz(1) 126.2MHz	2300 - 1200	(1)Primary

## RJSF AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (8°W/2020)	FKE	113.45MHz	H24	371327.50N 1402613.51E		VOR unusable: 040° - 050° beyond 20nm BLW 6000ft. 050° - 070° beyond 15nm BLW 6000ft. 070° - 080° beyond 10nm BLW 6000ft. 080° - 090° beyond 20nm BLW 6000ft. 090° - 100° beyond 20nm BLW 5000ft. 100° - 130° beyond 30nm BLW 5000ft. 130° - 150° beyond 35nm BLW 5000ft.
DME	FKE	1042MHz (CH-81Y)	H24	371327.50N 1402613.51E	1313ft	DME unusable: 040° - 050° beyond 20nm BLW 6000ft. 050° - 060° beyond 15nm BLW 6000ft. 060° - 080° beyond 10nm BLW 6000ft. 080° - 090° beyond 15nm BLW 6000ft. 090° - 110° beyond 20nm BLW 5000ft. 110° - 130° beyond 30nm BLW 5000ft. 130° - 140° beyond 35nm BLW 5000ft.
ILS-LOC 01	IFK	110.5MHz	2300 - 1200	371426.89N 1402543.02E		LOC: 235m(771ft) away FM RWY19 THR, BRG (MAG) 010.27°
ILS-GP 01	-	329.6MHz	2300 - 1200	371307.66N 1402534.18E		GP: 287.6m(944ft) inside FM RWY01 THR, 125m(410ft) W of RCL. HGT of ILS Ref datum 17.0m(56ft). GP angle 3.0°
ILS-DME 01	IFK	1003MHz (CH-42X)	2300 - 1200	371307.61N 1402533.69E	1218ft	DME: 289.6m(950ft) inside FM RWY01 THR, 137m(449ft) W of RCL.
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based.

ILS

REMARKS : 1 LOC beam BRG(MAG) 10.27°  
 2 HGT of ILS REF datum 17.0m(56ft)  
 3 GP Angle 3.0°  
 4 ELEV of ILS-DME 371.2m(1218ft)

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**RJSF AD 2.20 LOCAL TRAFFIC REGULATIONS**

## 1. Airport regulations

On use of this airport, the operator is required to obtain the prior permission of the airport administrator in advance.

## 2. Taxiing to and from stands

Nil

## 3. Parking area for small aircraft(General aviation)

Nil

## 4. Parking area for helicopters

Nil

## 5. Apron - taxiing during winter conditions

Nil

## 6. Taxiing - limitations

Nil

## 7. School and training flights - technical test flights - use of runways

Nil

## 8. Helicopter traffic - limitation

Nil

## 9. Removal of disabled aircraft from runways

Nil



**RJSF AD 2.21 NOISE ABATEMENT PROCEDURES**

Nil

**RJSF AD 2.22 FLIGHT PROCEDURES****1. TAKE OFF MINIMA**

	RWY	REDL and RCLL		REDL or RCLL or RCL Marking		NIL (DAY ONLY)	
		RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP Filed	01	400m	400m	400m	400m	-	500m
	19	-	400m	-	400m	-	500m
OTHER	01	AVBL LDG MINIMA					
	19						

**2. Other**

- 1) VFR aircraft intending to land on or fly around Fukushima AP is required to make initial contact with Fukushima RADIO to obtain traffic information at least 15nm far from the AP.
- 2) The operator needs to keep at or above 2200ft for insight of the whole RWY.

**RJSF AD 2.23 ADDITIONAL INFORMATION**

Nil

**RJSF AD 2.24 CHARTS RELATED TO AN AERODROME**

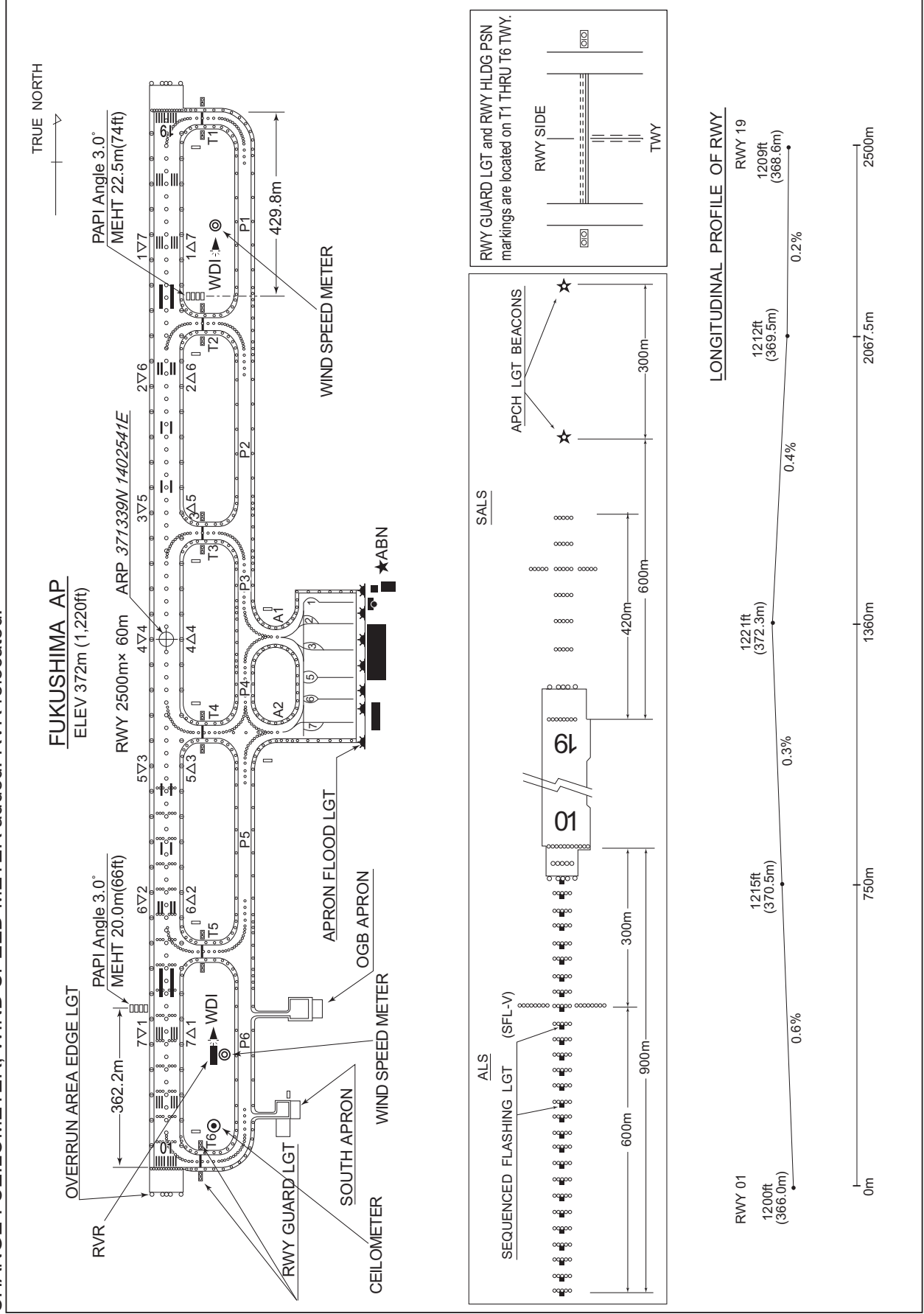
Aerodrome/Heliport Chart  
 Standard Departure Chart - Instrument (NASNO)  
 Standard Departure Chart - Instrument (FUKUSHIMA REVERSAL)  
 Standard Departure Chart - Instrument (SOUTH-RNAV)  
 Standard Departure Chart - Instrument (WEST-RNAV)  
 Standard Arrival Chart - Instrument (OKUJI)  
 Standard Arrival Chart - Instrument (WAKAH NORTH, SOUMA NORTH-RNAV)  
 Standard Arrival Chart - Instrument (WAKAH SOUTH, SOUMA SOUTH-RNAV)  
 Instrument Approach Chart (ILS Z or LOC Z RWY01)  
 Instrument Approach Chart (ILS Y or LOC Y RWY01)  
 Instrument Approach Chart (VOR RWY19)  
 Instrument Approach Chart (VOR A)  
 Instrument Approach Chart (RNP RWY19)  
 Other Chart (Visual REP)  
 Other Chart (LDG CHART)  
 Other Chart (MVA CHART)

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RJSF / FUKUSHIMA

AD CHART

CHANGE : CEILOMETER, WIND SPEED METER added. RVR relocated.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

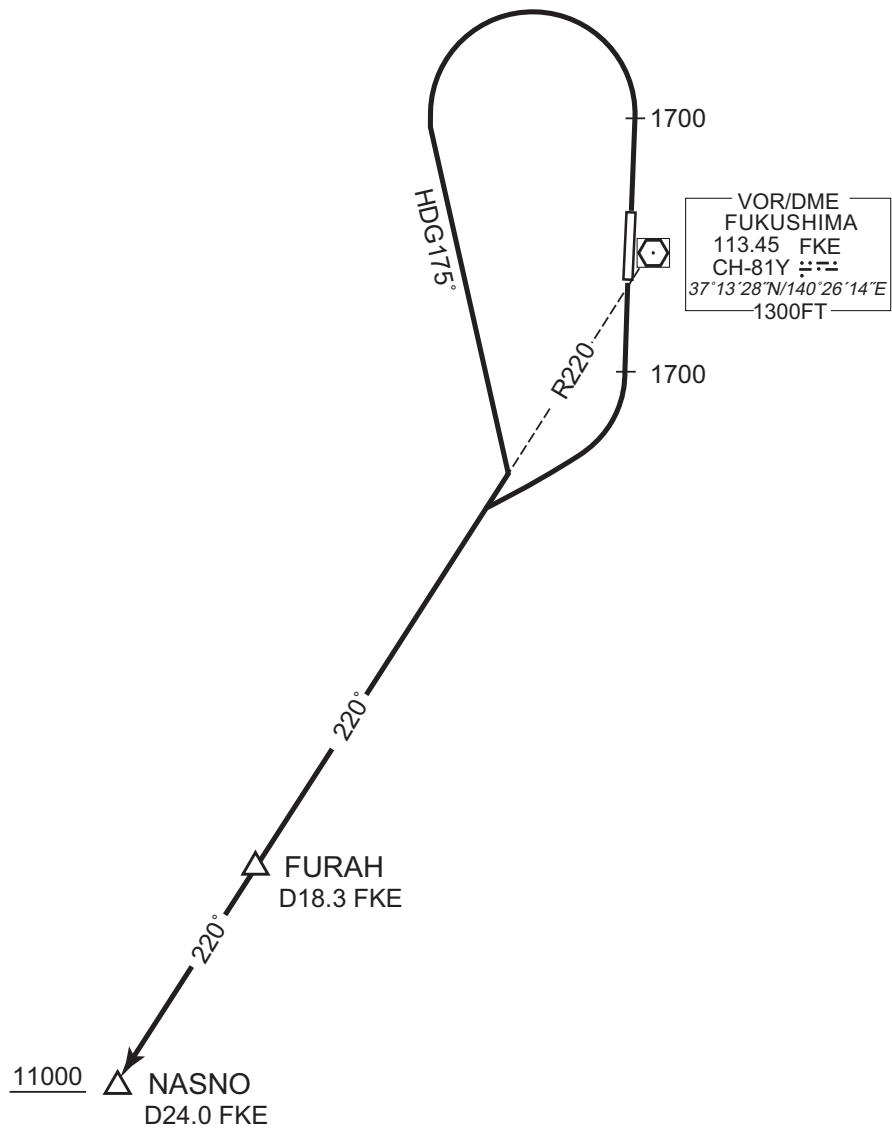
SID

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

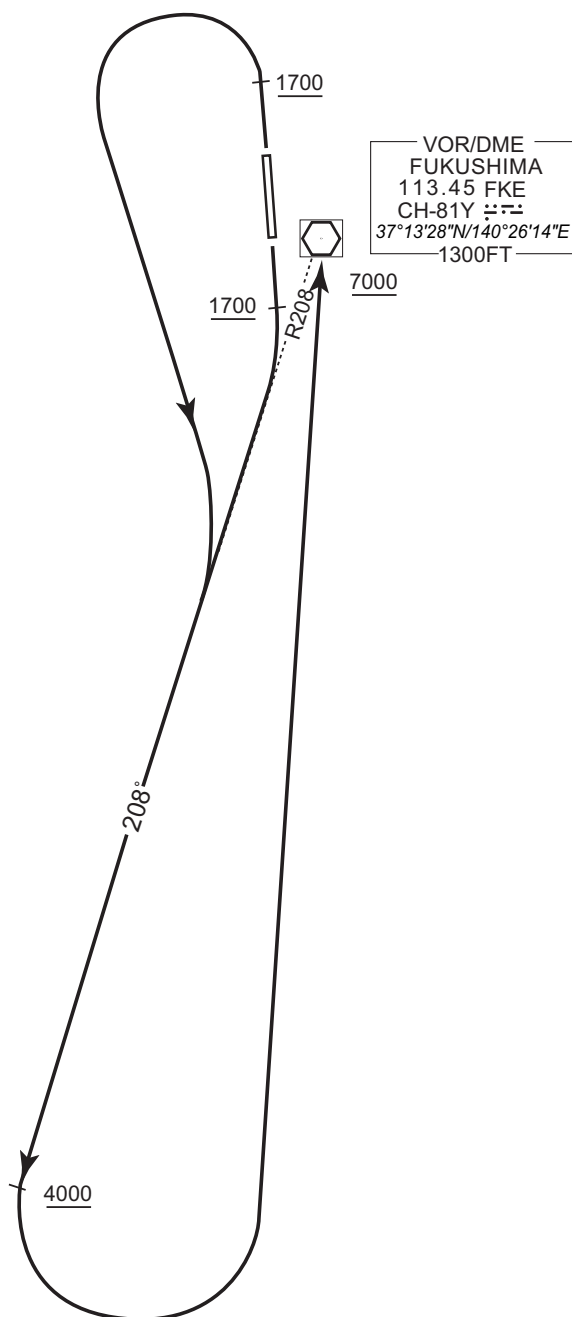
FUKUSHIMA REVERSAL TWO DEPARTURE

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.

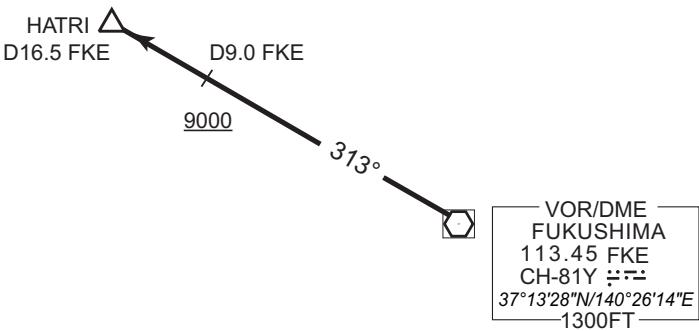
STANDARD DEPARTURE CHART-INSTRUMENT

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.

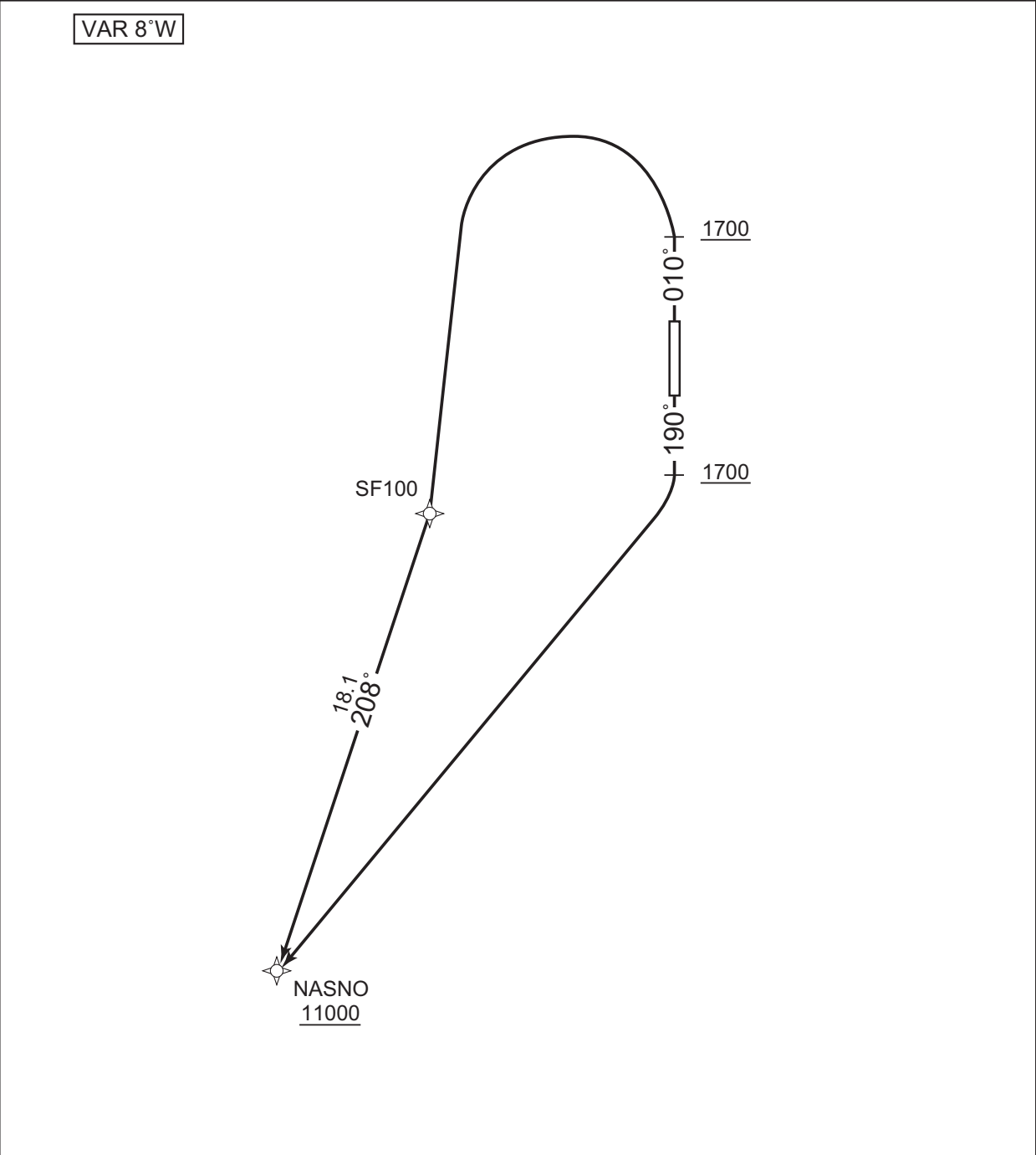
STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

SOUTH ONE DEPARTURE	RNP1
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Note GNSS required.



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 : Description of PROC name, VOR/DME.

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

Waypoint Coordinates

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

CHANGE : Waypoint Coordinates added.



STANDARD DEPARTURE CHART-INSTRUMENT

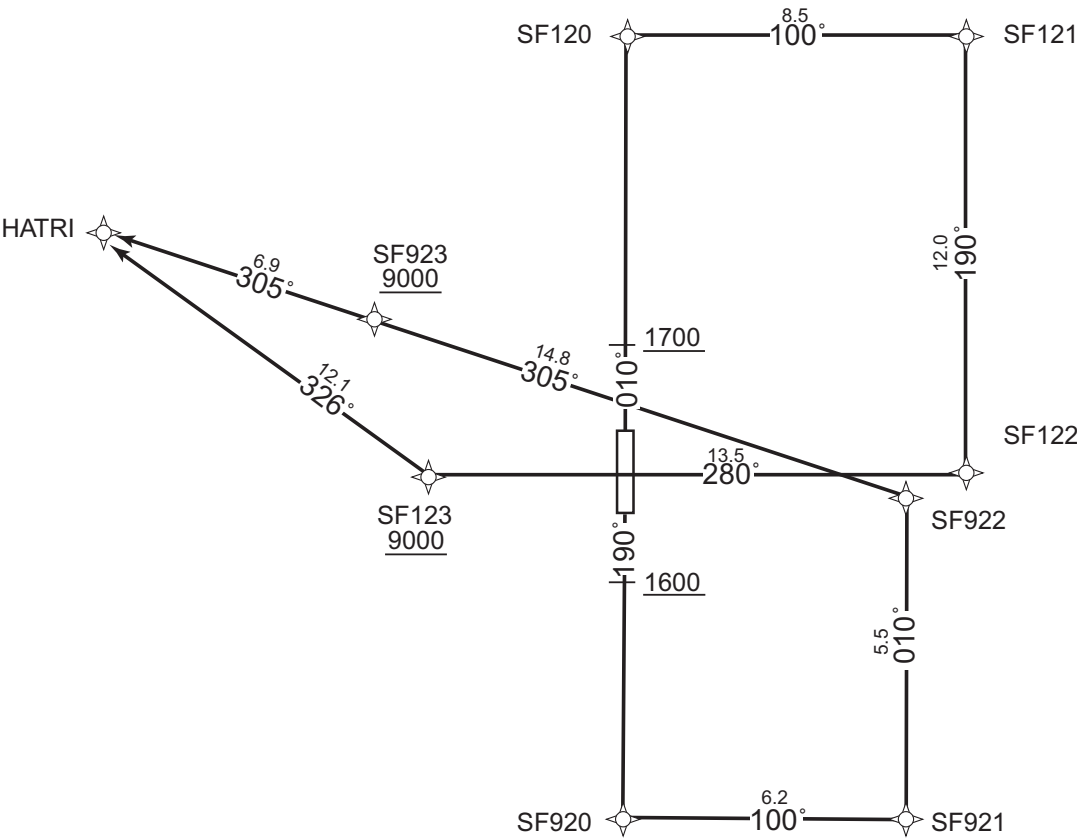
RJSF / FUKUSHIMA

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

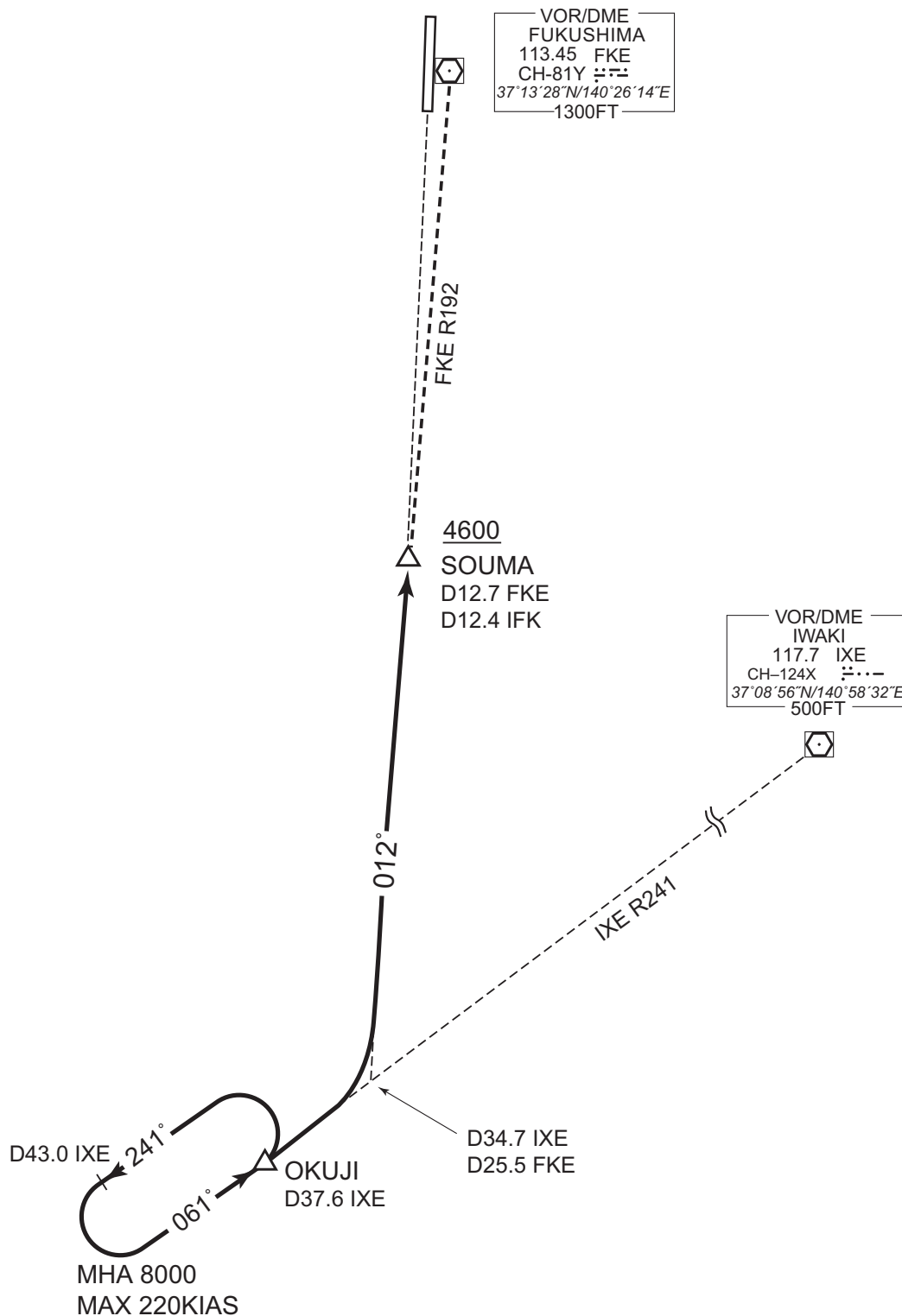
RJSF / FUKUSHIMA

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

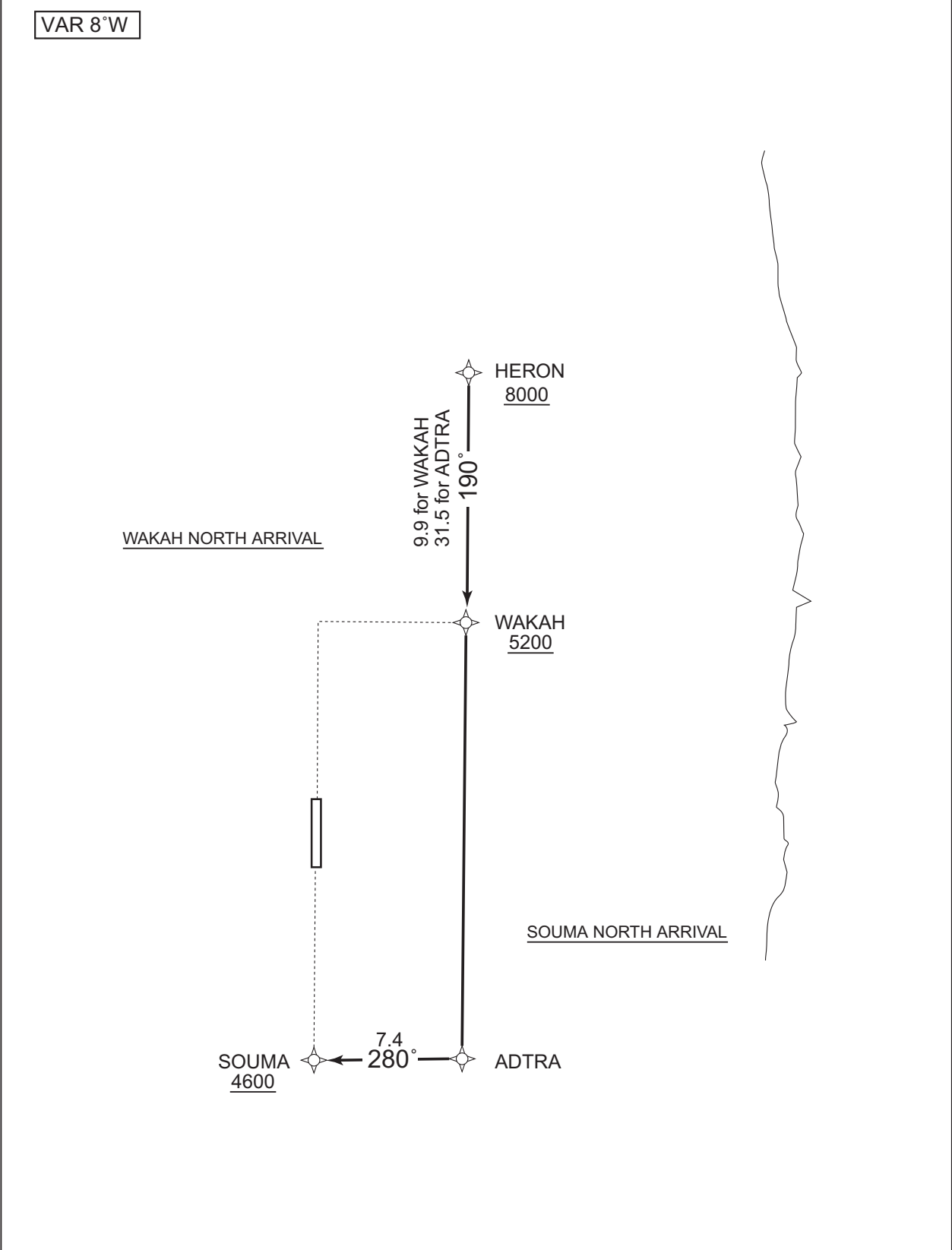
RNAV STAR RWY01/19

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

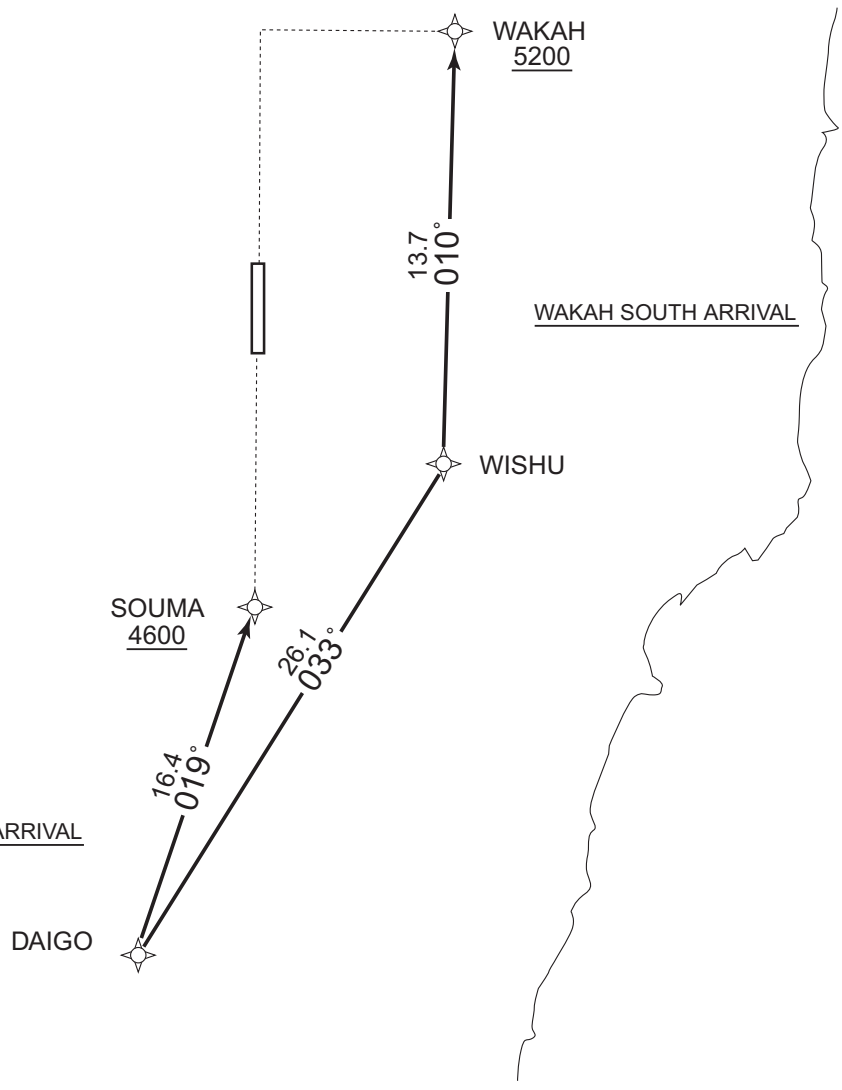
RJSF / FUKUSHIMA

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

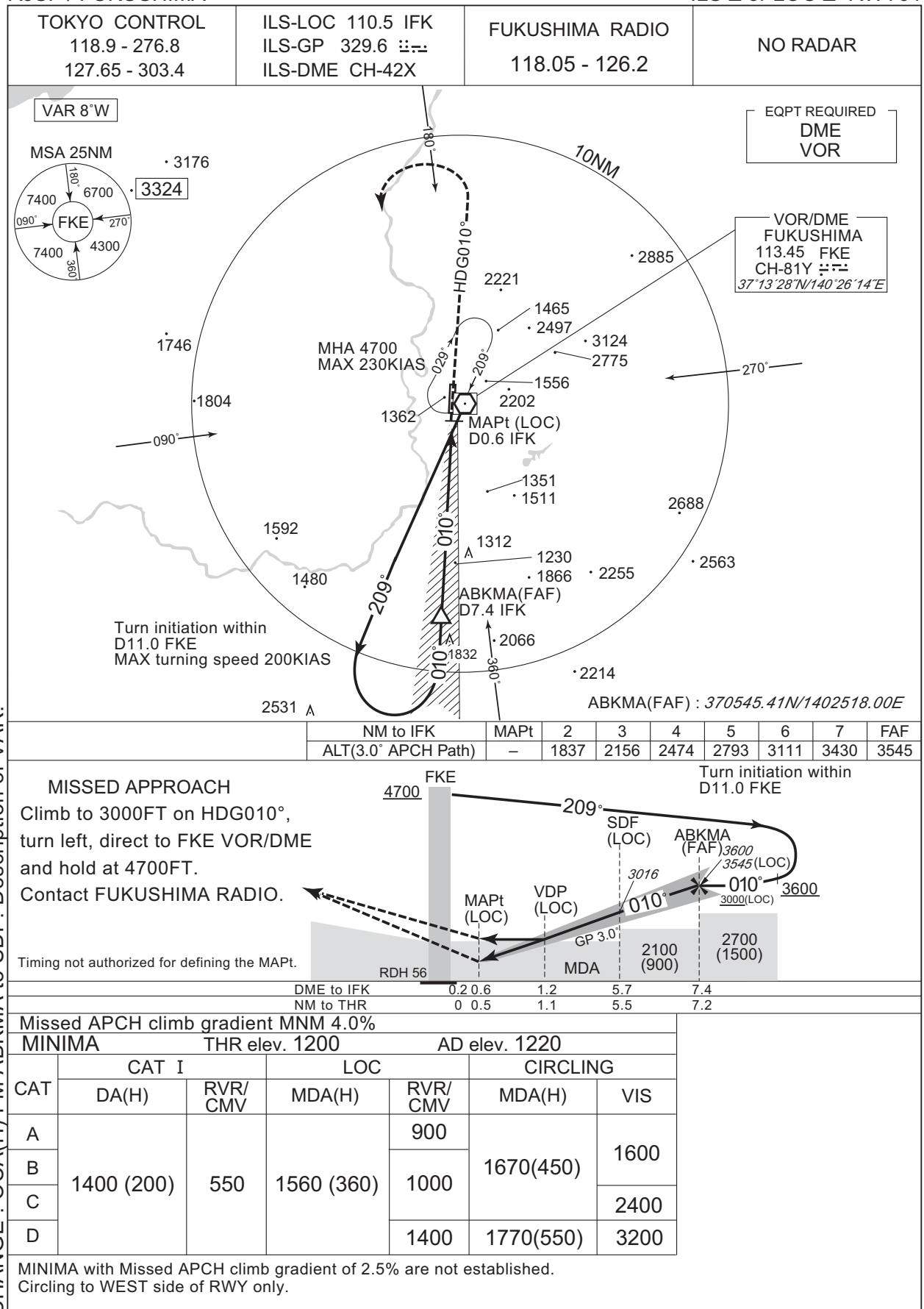
Waypoint Identifier	Coordinates
DAIGO	364439.7N / 1402059.5E
WISHU	370821.2N / 1403444.6E
WAKAH	372200.3N / 1403525.6E
SOUMA	370045.1N / 1402503.6E

CHANGE : Waypoint Coordinates added.

## INSTRUMENT APPROACH CHART

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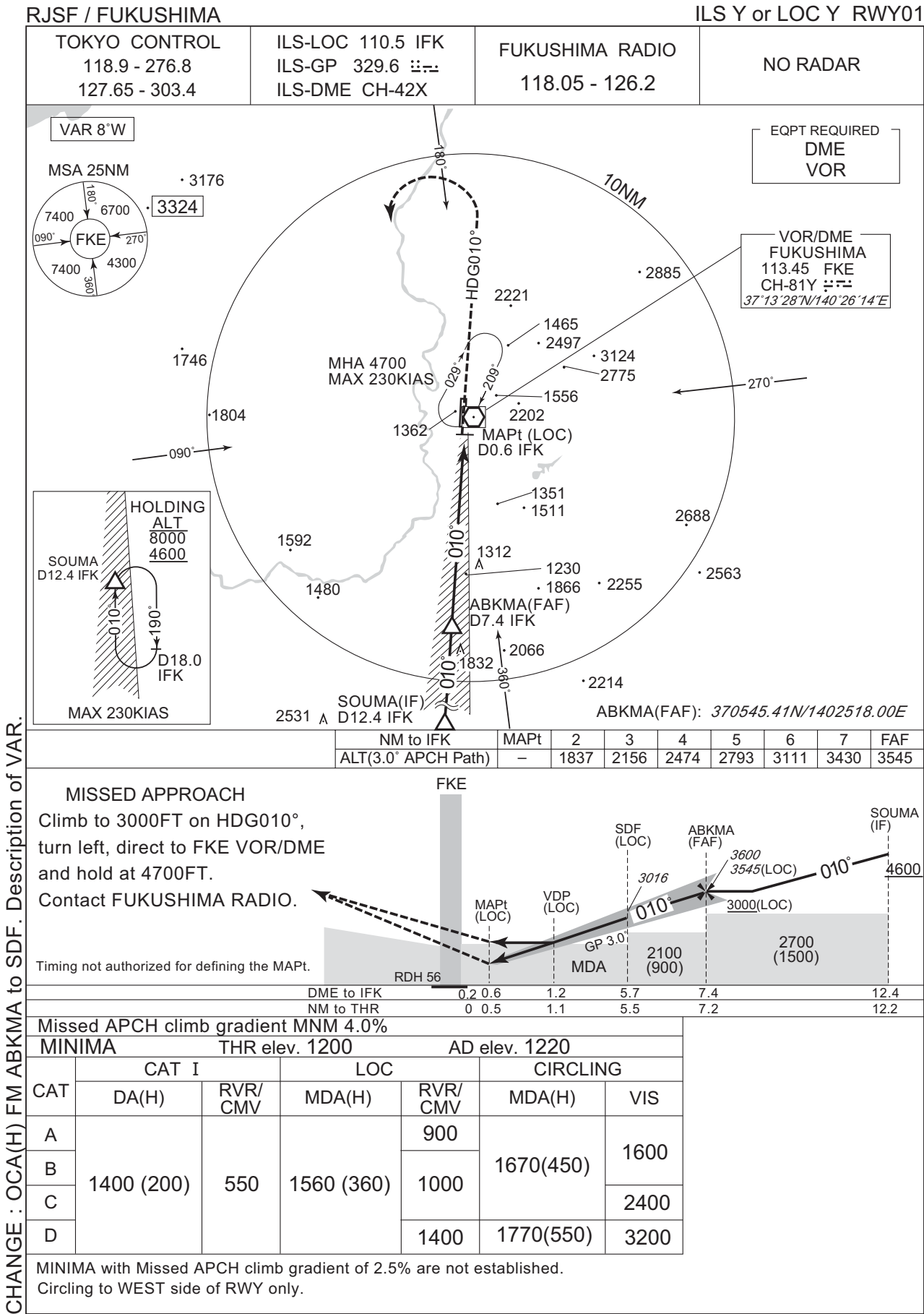
ILS Z or LOC Z RWY01



CHANGE : OCA(H) FM ABKMA to SDF. Description of VAR.



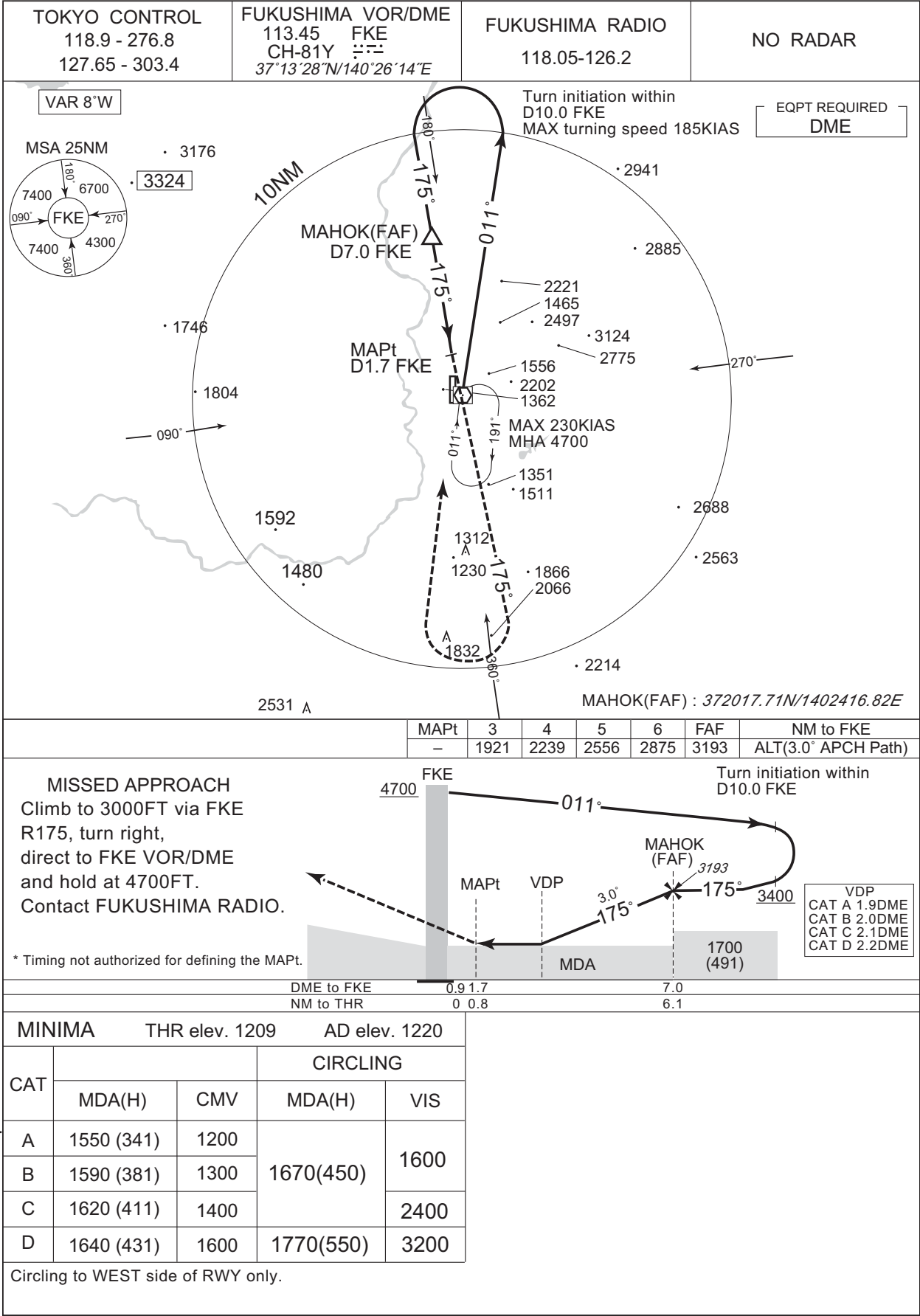
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

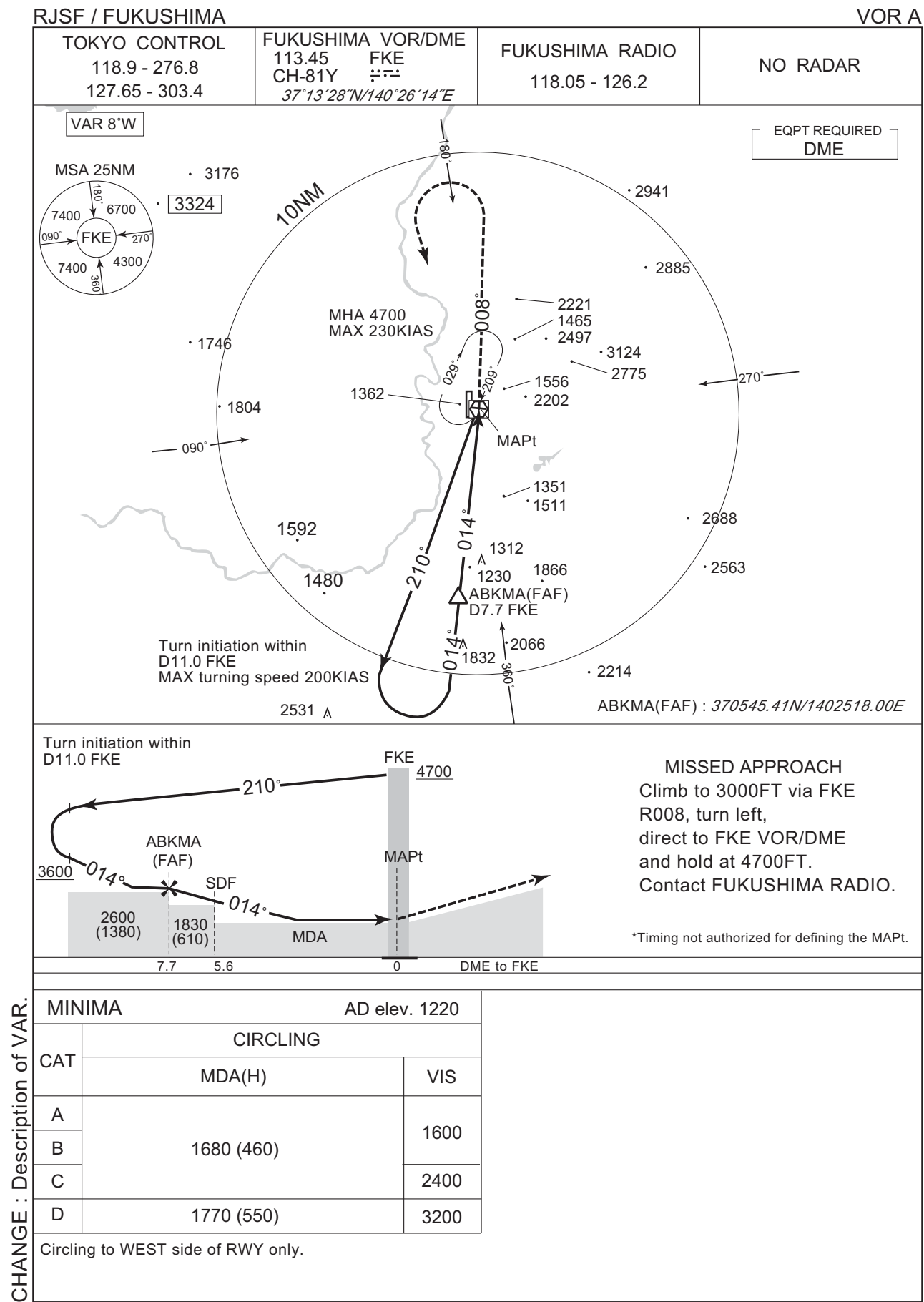
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VOR RWY19



CHANGE : Description of VAR.

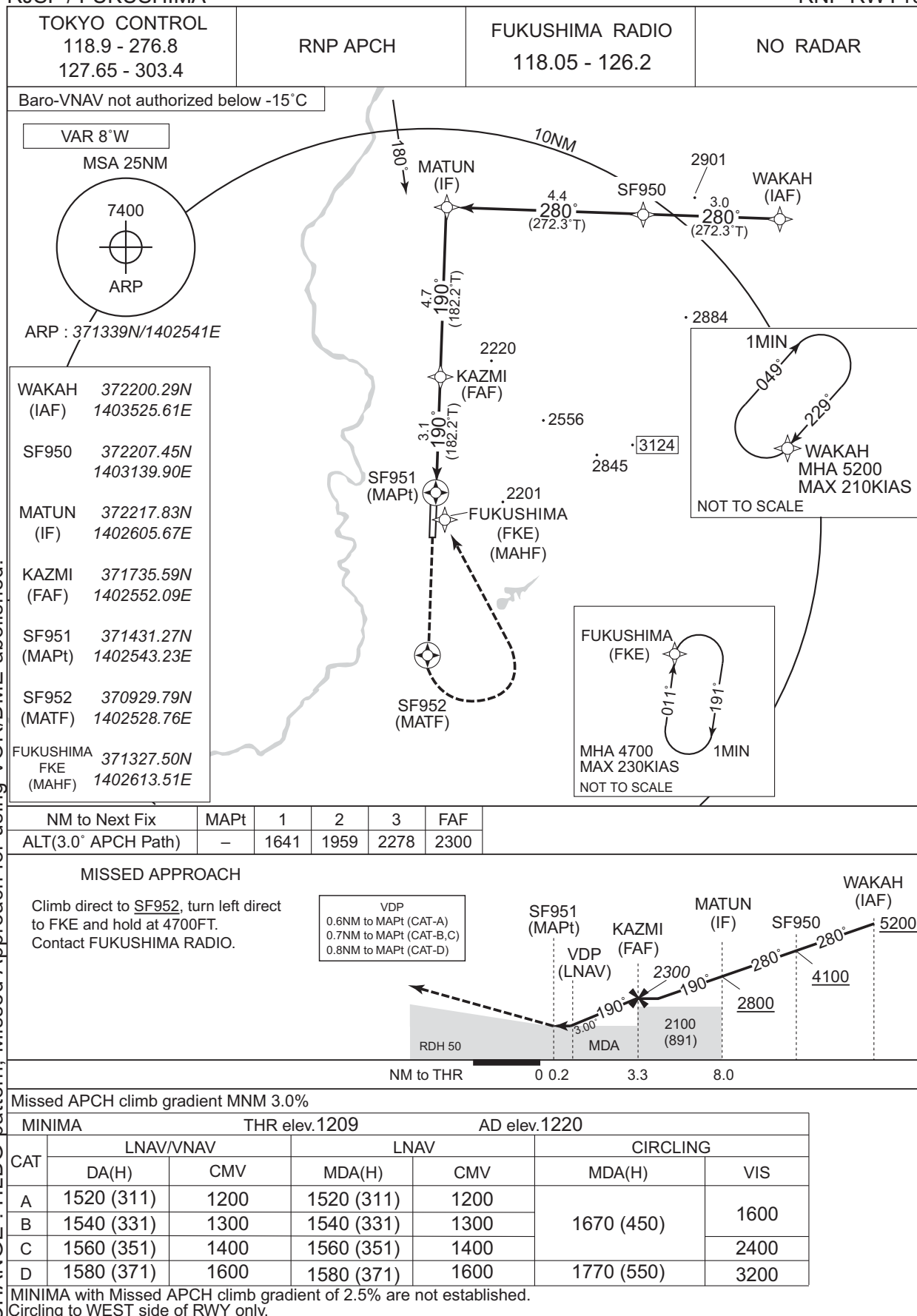
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

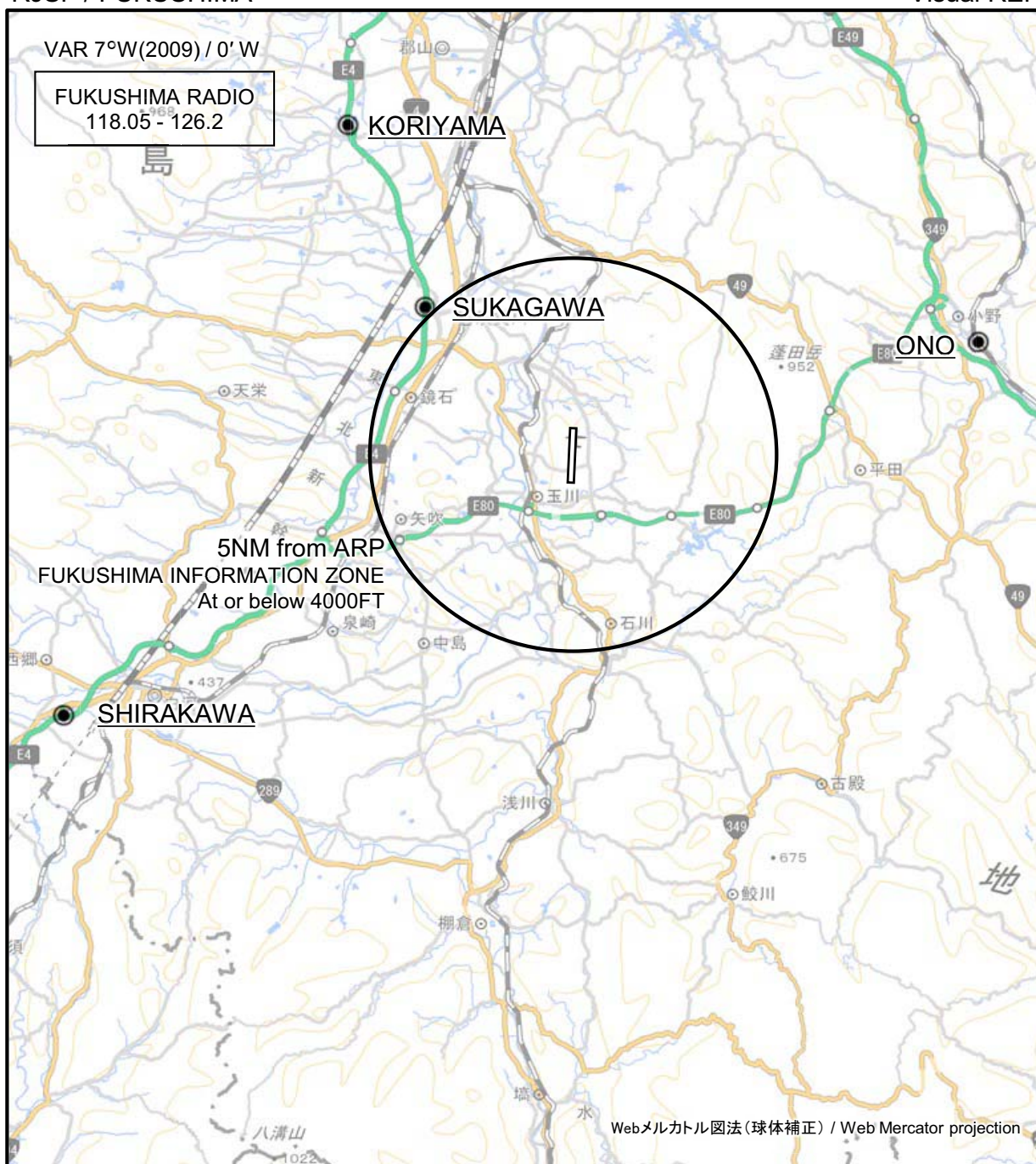
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RNP RWY19



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Visual REP

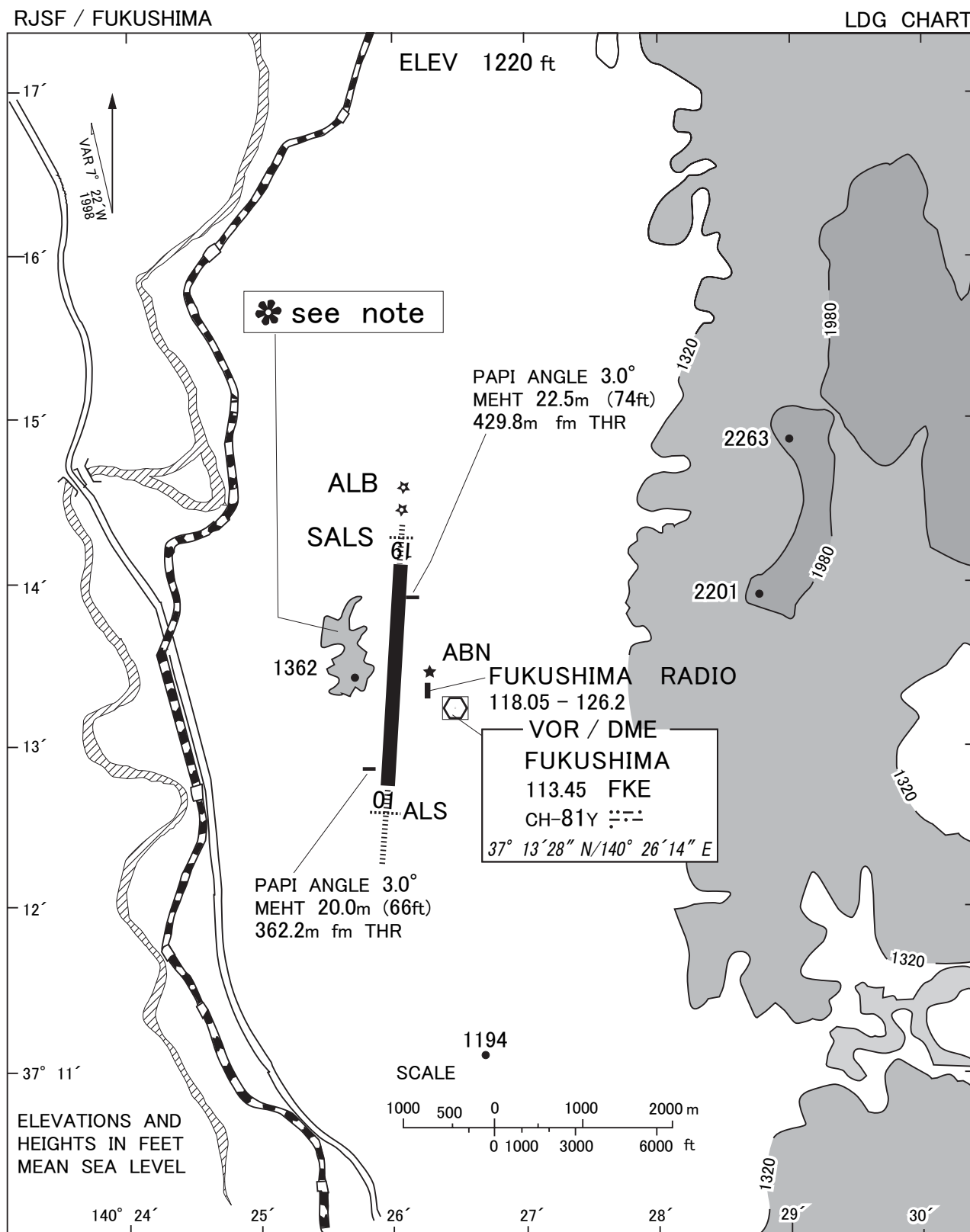


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

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.

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Minimum Vectoring Altitude CHART

CHANGE : Shape of Minimum Vectoring Altitude.

