AD 2 AERODROMES

RJTL AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJTL - SHIMOFUSA

RJTL AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*354756N/1400044E*
2	Direction and distance from (city)	5.4NM E MATSUDO
3	Elevation/ Reference temperature	96FT/ -
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/ Annual change	Nil
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	JSDF-M
7	Types of traffic permitted(IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJTL AD 2.3 OPERATIONAL HOURS

1	AD Administration	H24
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	H24
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJTL AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	JET A-1 PLUS
3	Fuelling facilities/ capacity	To be issued later
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJTL AD 2.5 PASSENGER FACILITIES

1	Hotels	Nil
2	Restaurants	Nil
3	Transportation	Nil
4	Medical facilities	Nil
5	Bank and Post Office	Nil
6	Tourist Office	Nil
7	Remarks	Nil

RJTL AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Nil
2	Rescue equipment	Nil
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

RJTL AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

RJTL AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	To be issued later
2	Taxiway width, surface and strength	To be issued later
3	ACL and elevation	Not Available
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RJTL 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	Nil
2	RWY and TWY markings and LGT	RWY:(RWY01/19) (LGT) RTHL, RWY DIST marker LGT, TKOF aiming LGT TWY: (LGT) TWY edge LGT
3	Stop bars	Nil
4	Remarks	Nil

RJTL AD 2.10 AERODROME OBSTACLES

RWY/Area affected	Obstacle type	Coordinates	Elevation	Markings/ LGT	Remarks
Nil					

RJTL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	SHIMOFUSA
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Nil
6	Flight documentation Language(s) used	Nil
7	Charts and other information available for briefing or consultation	S, U
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	Nil
10	Additional information(limitation of service, etc.)	Nil

RJTL AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) 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	To be issued	2250×45	SW43000kg	Nil	Nil
19	later	2250×45	(94600lbs) DW56000kg (123200lbs) DTW 117000kg (257400lbs) Concrete	Nil	Nil

Slope of RWY	Strip Dimensions(M)	Remarks
7	10	12
Nil	2370×300 2370×300	

RJTL AD 2.13 DECLARED DISTANCES

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

RJTL 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		AVBL Nil	PAPI 3.0° 273.23M 45.3ft					
19	AVBL	AVBL Nil	PAPI 3.0° 389.95M 63.3ft					
Remarks								
10								
RWY THR ID LGT for RWY01 THR								

RJTL AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *354803N/1400119E*, White/Green EV10sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI:LGTD
3	TWY edge and center line lighting	TWY edge LGT:AVBL
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT, OBST LGT

RJTL AD 2.16 HELICOPTER LANDING AREA

To be issued later

RJTL 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
SHIMOFUSA CTR	1)Area within a radius of 5nm of SHIMOFUSA ARP(*35°48'N/140°01'E*)(*1)	(1)2000 or below (*1)	D	SHIMOFUSA TOWER	
	2)Area within a radius of 5nm of SHIMOFUSA ARP, in the north side of a north parallel line at a distance of 3nm from a line extending from *354700.91N/1401546.75E* on 254°T.	(2)3500 or below			exclude area(*1)

RJTL AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Shimofusa Tower	325.4MHz 138.3MHz 126.2MHz 121.5MHz(E) 243.0MHz(E)	H24	APP provided by Tokyo APP.
GCA-ASR -PAR	Shimofusa GCA	302.2MHz 291.6MHz 247.0MHz 122.0MHz 133.4MHz 122.35MHz 121.5MHz(E) 243.0MHz(E)	2300 - 0800 EXC FRI0801- SUN2259 AND HOL Other time 1HR PN.	ASR, PAR RWY19 Glide path 3.0° Maintenance period: 2300-0800 SAT in VMC.
GND	Shimofusa Ground	228.2MHz 138.3MHz	H24	

RJTL AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
TACAN	SHT	980MHz (CH-19X)	H24	*354807N/ 1400035E*	122FT	Unusable: R050-090 beyond 30NM BLW 2000FT. R090-100 beyond 25NM BLW 2000FT. R100-110 beyond 20NM BLW 2000FT. R110-130 beyond 25NM BLW 2000FT. R130-150 beyond 20NM BLW 2000FT. R150-160 beyond 38NM BLW 3000FT. R200-210 beyond 35NM BLW 4000FT. R210-220 beyond 30NM BLW 4000FT. R220-230 beyond 30NM BLW 5000FT. R240-250 beyond 35NM BLW 7000FT. R260-280 beyond 25NM BLW 7000FT. R280-290 beyond 22NM BLW 7000FT. R290-300 beyond 35NM BLW 7000FT. R350-360 beyond 38NM BLW 5000FT.
ILS-LOC 19	ISH	109.1MHz	H24	*354712N/ 1400045E*		LOC:250m(820FT) away FM RWY 01 THR. BRG 186°(MAG)
ILS-GP 19	-	331.4MHz	H24	*354822N/ 1400048E*		GP:327m (1074FT) inside FM RWY 19 THR.120m(394FT) E of RCL.GP angle 3.0° HGT of ILS Ref datum 17.7m(58FT)
MM 19		75MHz	H24	*354906N/ 1400042E*		0.56NM FM RWY 19 THR

RJTL AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Nil

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

RJTL AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJTL AD 2.22 FLIGHT PROCEDURES

1.TAKE OFF MINIMA

	RWY	ACFT CAT	REDL or RCL Marking		NIL (DAYTIME ONLY)	
			CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	01	A,B,C,D	-	200 - 800M	-	200 - 800M
	19		200 - 800M	200 - 800M	-	200 - 800M
OTHER	01	A,B,C,D	AVBL LDG MINIMA			
	19					

Note:SIDs are designed in accordance with STANDARDS for FLIGHT PROCEDURE DESIGN.

2.WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

PAR RWY19

MINIMA THR elev. 91 AD elev. 96				
CAT			CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	348(257)	800	560(464)	1600
B			580(484)	
C			700(604)	2400
D				3200

ASR RWY19

MINIMA THR elev. 91 AD elev. 96				
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	580(484)	1400	580(484)	1600
B		1500		
C		1600	700(604)	2400
D		1800		3200

3.Lost Communication Procedures for Arrival aircraft under radar navigational guidance.

If radio communications with Shimofusa GCA are lost for 1 minute in the pattern or 5 seconds(PAR)/15 seconds(ASR) on final approach, squawk Mode A/3 Code 7600 and;

I 1) Contact Shimofusa Tower.
2) If unable,proceed in accordance with visual flight rules.
3) If unable,proceed to TOHNE at last assigned altitude or 3000ft whichever is higher, and execute instrument approach.

II Procedures other than above will be issued when situation required.

RJTL AD 2.23 ADDITIONAL INFORMATION

Nil

RJTL AD 2.24 CHARTS RELATED TO AN AERODROME

Standard Departure Chart-Instrument (UTSUNOMIYA)
Standard Departure Chart-Instrument (WEST)
Standard Departure Chart-Instrument (TSUGA)
Standard Departure Chart-Instrument (KOGAR)
Instrument Approach Chart (ILS Z or LOC Z RWY19)
Instrument Approach Chart (ILS Y or LOC Y RWY19)
Instrument Approach Chart (TACAN RWY19)

STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA SID

UTSUNOMIYA ONE DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, ...

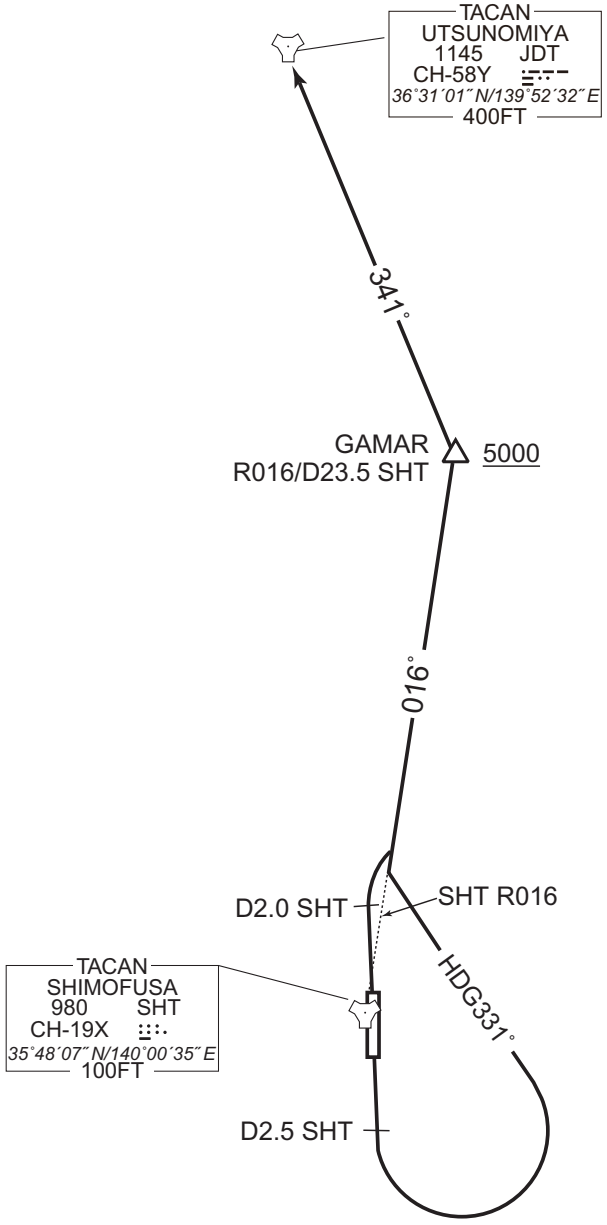
RWY19 : Climb RWY HDG to SHT 2.5DME, turn left HDG 331˚ to intercept and proceed...

...via SHT R016 to GAMAR, turn left ,via JDT R161 to JDT TACAN.

Cross GAMAR at or above 5000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.
OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.

RWY19 : 5.0% climb gradient required up to 700FT.
OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.



CHANGE: New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA SID

CHANGE: PROC renamed. DME FM RWY19(D2.4 SHT→D2.5 SHT). Note RWY19(OBST). SHT COORD.

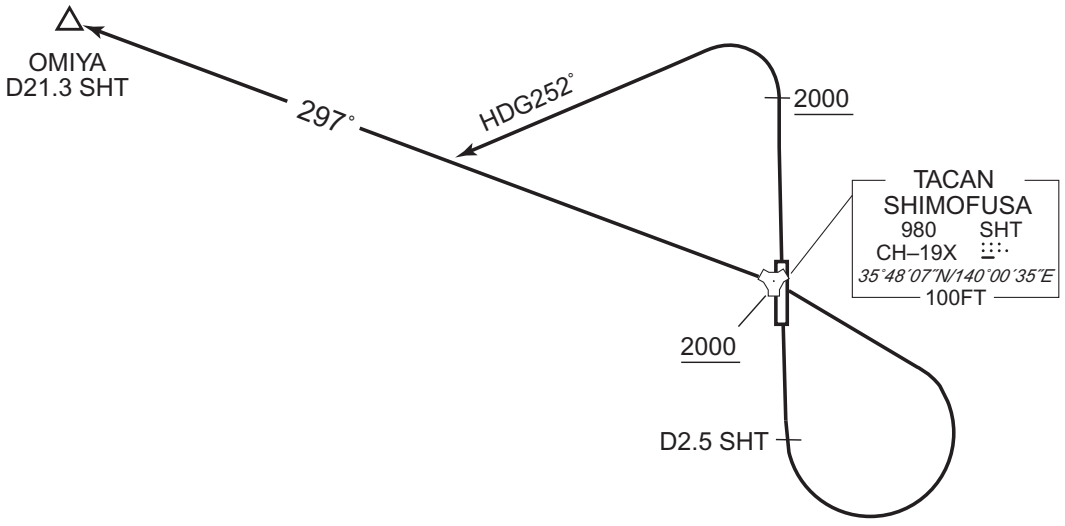
WEST FIVE DEPARTURE

RWY01 : Climb RWY HDG to 2000FT, turn left HDG 252˚ to intercept and proceed via SHT R297 to OMIYA.

RWY19 : Climb RWY HDG to SHT 2.5DME, turn left proceed to SHT TACAN, via SHT R297 to OMIYA.
Cross SHT TACAN at or above 2000FT.

Note RWY01 : 5.0% climb gradient required up to 2000FT.
RWY19 : 5.0% climb gradient required up to 700FT.
OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.

WEST FIVE DEPARTURE



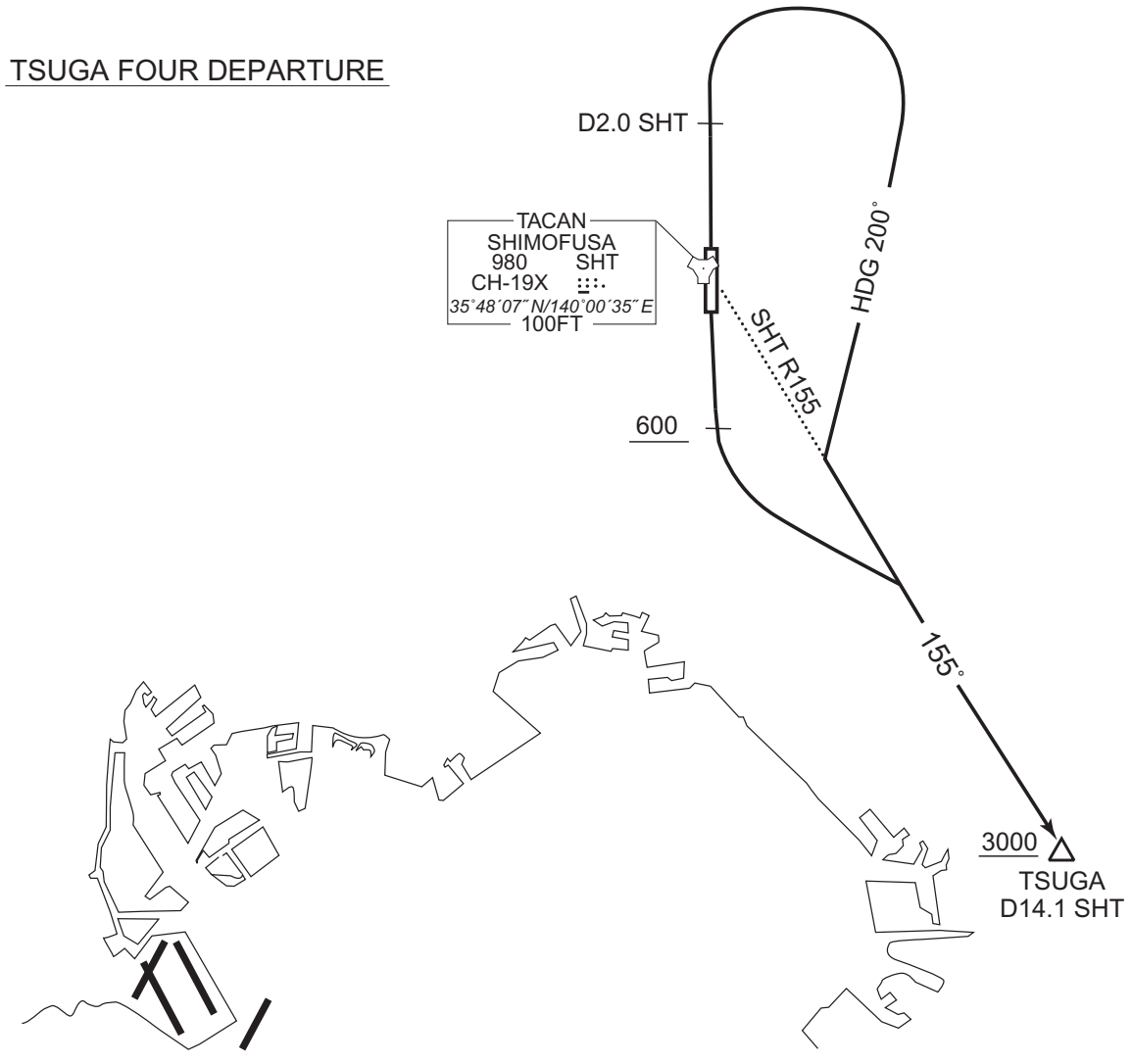
STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA SID

TSUGA FOUR DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, turn right HDG 200˚ ...
RWY19 : Climb RWY HDG to 600FT, turn left...
...to intercept and proceed via SHT R155 to TSUGA.
Cross TSUGA at or above 3000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.
OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.
RWY19 : 5.0% climb gradient required up to 600FT.



CHANGE: PROC renamed. SHT COORD.

STANDARD DEPARTURE CHART-INSTRUMENT

RJTL / SHIMOFUSA SID

CHANGE: PROC renamed. DME FM RWY19(D2.4 SHT→D2.5 SHT). Radial FM SHT(KOGAR). Note RWY19(OBST). SHT COORD.

KOGAR TWO DEPARTURE

RWY01 : Climb RWY HDG to SHT 2.0DME, ...

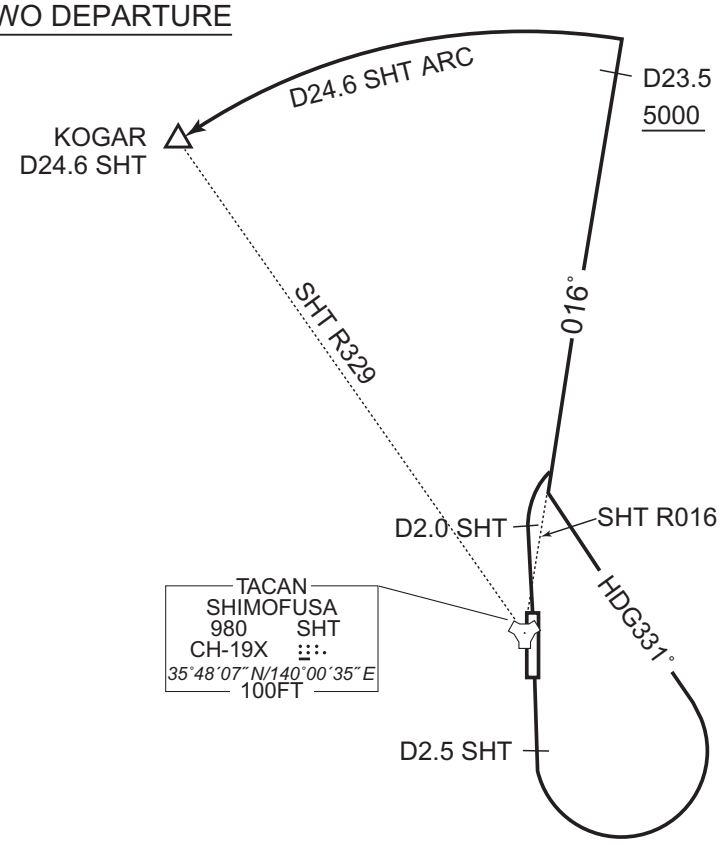
RWY19 : Climb RWY HDG to SHT 2.5DME, turn left HDG 331˚ to intercept and proceed...

...via SHT R016 to 24.6DME, turn left, via SHT 24.6DME counterclockwise ARC to KOGAR.

Cross SHT R016/23.5DME at or above 5000FT.

Note RWY01 : 5.0% climb gradient required up to 600FT.
OBST ALT 251FT located at 1.56NM 020° FM end of RWY01.
RWY19 : 5.0% climb gradient required up to 700FT.
OBST ALT 314FT located at 1.67NM 161° FM end of RWY19.

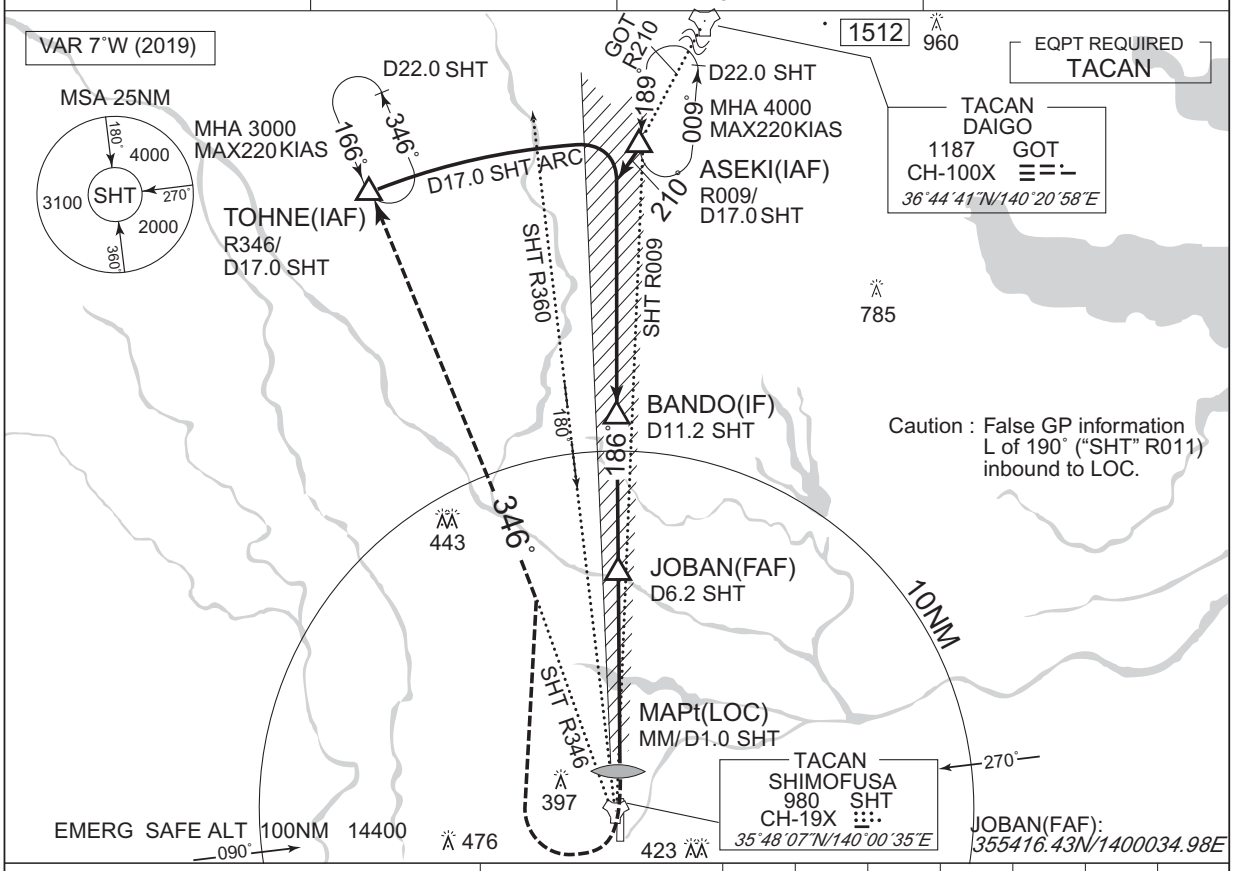
KOGAR TWO DEPARTURE



INSTRUMENT APPROACH CHART

RJTL / SHIMOFUSA — ILS Z or LOC Z RWY19

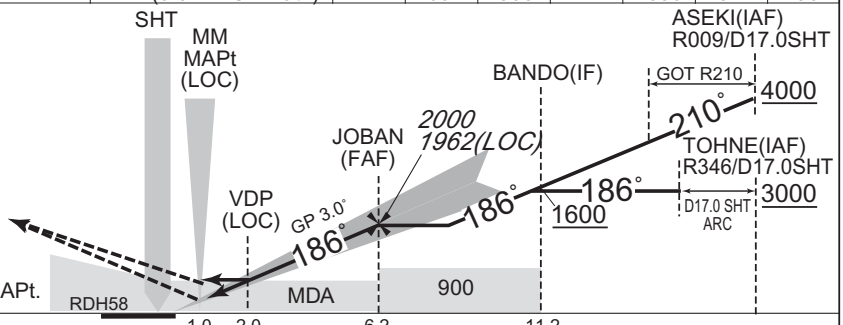
TOKYO APP	ILS-LOC	SHIMOFUSA TWR	GCA AVBL
126.0 - 261.2	109.1 ISH ILS-GP 331.4	325.4 - 138.3 126.2	



NM to SHT	MAPt	2	3	4	5	6	FAF
ALT (3.0˚ APCH Path)	–	637	956	1274	1593	1911	1962

MISSED APPROACH
Climb to 600FT on HDG 186˚,
turn right climb to 3000FT via
SHT R346 to TOHNE and hold.
Contact TOKYO APP.

Timing not authorized for defining the MAPt.



DME to SHT		1.0	2.0	6.2	11.2
NM to THR		0.6	1.6	5.7	10.7

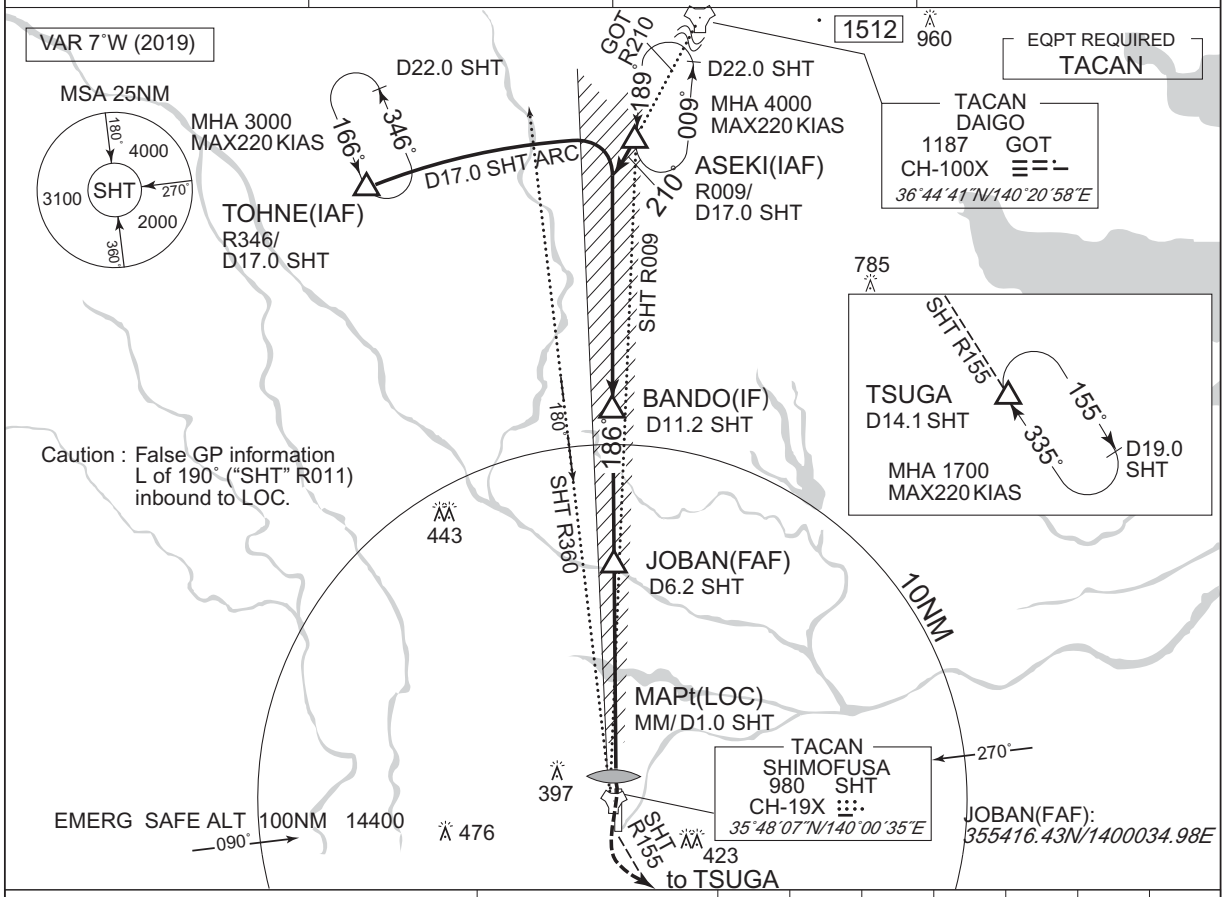
MINIMA	THR elev. 91		AD elev. 96			
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	330 (239)	750	620 (524)	1400	620 (524)	1600
B				1500		
C				1600	700 (604)	2400
D				1800		3200

CHANGE: Course FM ASEKI to BANDO.

INSTRUMENT APPROACH CHART

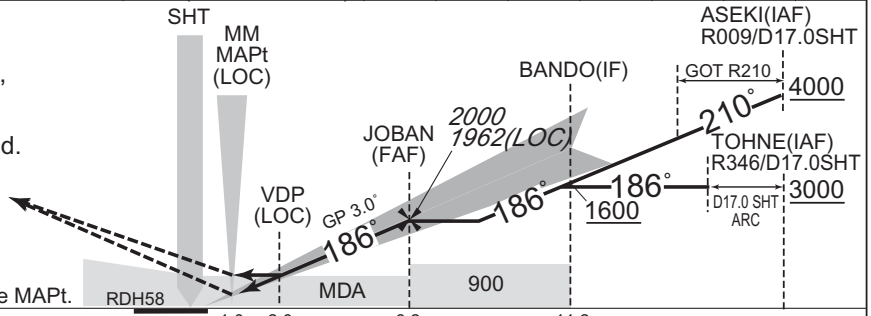
RJTL / SHIMOFUSA — ILS Y or LOC Y RWY19

TOKYO APP	ILS-LOC	SHIMOFUSA TWR	GCA AVBL
126.0 - 261.2	109.1 ISH ILS-GP 331.4	325.4 - 138.3 126.2	



	NM to SHT	MAPt	2	3	4	5	6	FAF
	ALT (3.0˚ APCH Path)	–	637	956	1274	1593	1911	1962

MISSED APPROACH
Climb to 600FT on HDG 186˚,
turn left climb to 1700FT via
SHT R155 to TSUGA and hold.
Contact TOKYO APP.



Timing not authorized for defining the MAPt.

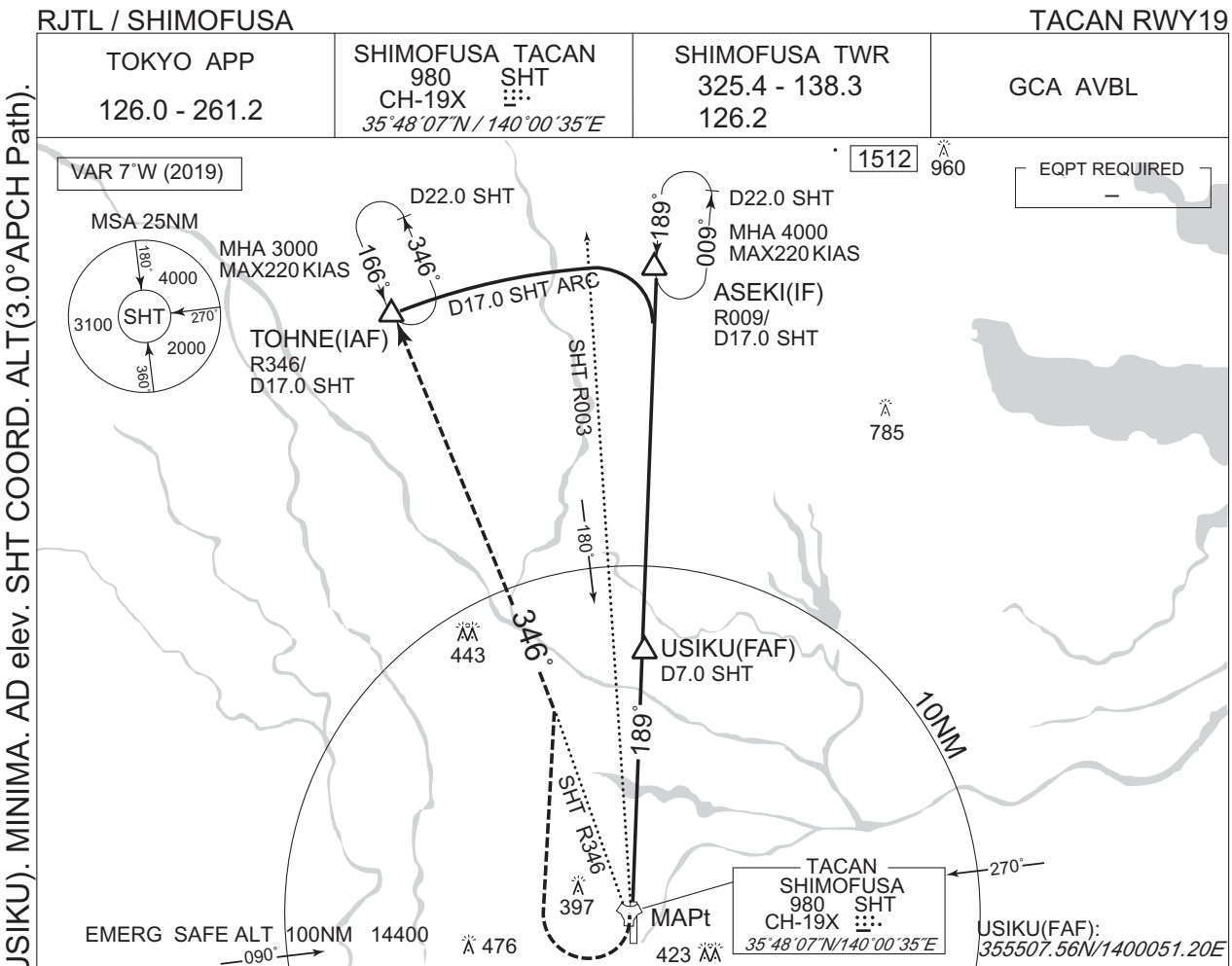
DME to SHT	1.0	2.0	6.2	11.2
NM to THR	0.6	1.6	5.7	10.7

MINIMA THR elev. 91 AD elev. 96

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	330 (239)	750	620 (524)	1400	620 (524)	1600
B				1500		
C				1600	700 (604)	2400
D				1800		3200

CHANGE: Course FM ASEKI to BANDO.

INSTRUMENT APPROACH CHART



CHANGE: VAR. IAF(TUKBA→ASEKI). FAF(TEGAR→USIKU). MINIMA. AD elev. SHT COORD. ALT(3.0°APCH Path).

MINIMA	THR elev. 91		AD elev. 96	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	500 (404)	1200	580 (484)	1600
B		1300		
C		1400	700 (604)	2400
D		1600		3200

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