AD 2 AERODROMES

RJAW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJAW - IWOTO

RJAW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*244703N 1411922E*
2	Direction and distance from (city)	Nil
3	Elevation/ Reference temperature	419ft / -
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

RJAW 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	2100 - 0900 [2100 SUN - 0900 FRI] EXC HOL, Other time 1HR PN
7	ATS	2300 - 0745 [2300 SUN - 0745 FRI] EXC HOL, Other time 1HR PN
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJAW AD 2.4 HANDLING SERVICES AND FACILITIES

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

RJAW 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

RJAW 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

RJAW AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

RJAW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	To be issued later
2	Taxiway width, surface and strength	WIDTH: N-TWY 30m, other 23m SURFACE: concrete
3	ACL and elevation	Not available
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RJAW 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:07/25 (Marking):RWY designation, RWY CL, RWY THR, Fixed DIST, RWY side stripe, TDZ (LGT):RTHL, TKOF aiming LGT TWY: (Marking):TWY CL, TAX HLDG line (LGT):TWY edge LGT
3	Stop bars	Nil
4	Remarks	(Marking): Overrun area

RJAW AD 2.10 AERODROME OBSTACLES

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

RJAW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	IWOTO
2	Hours of service MET Office outside hours	2100 - 0900 [2100 SUN - 0900 FRI] Except HOL, Other time 1HR PN
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	P Ja, En
6	Flight documentation Language(s) used	C Ja, En
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

RJAW 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
07	67.85°	2650×60	SW26000kg (57300lbs) DW70000kg (154300lbs) DTW125000kg (275600lbs) Asphalt	*244646.75N* *1411837.88E*	THR ELEV: 395ft
25	247.86°	2650×60		*244719.17N* *1412005.13E*	THR ELEV: 419ft

Slope of RWY	Strip Dimensions(M)	Remarks
7	10	12
To be issued later	3000×150 3000×150	Nil

RJAW AD 2.13 DECLARED DISTANCES

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

RJAW 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
07			PAPI 2.5°/Left 396m 49ft					
25			PAPI 2.5°/Right 428m 45ft					
Remarks								
10								
Nil								

RJAW AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *244648N/1411934E*, White/Green EV2sec, HO
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and center line lighting	TWY edge LGT: AVBL
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT

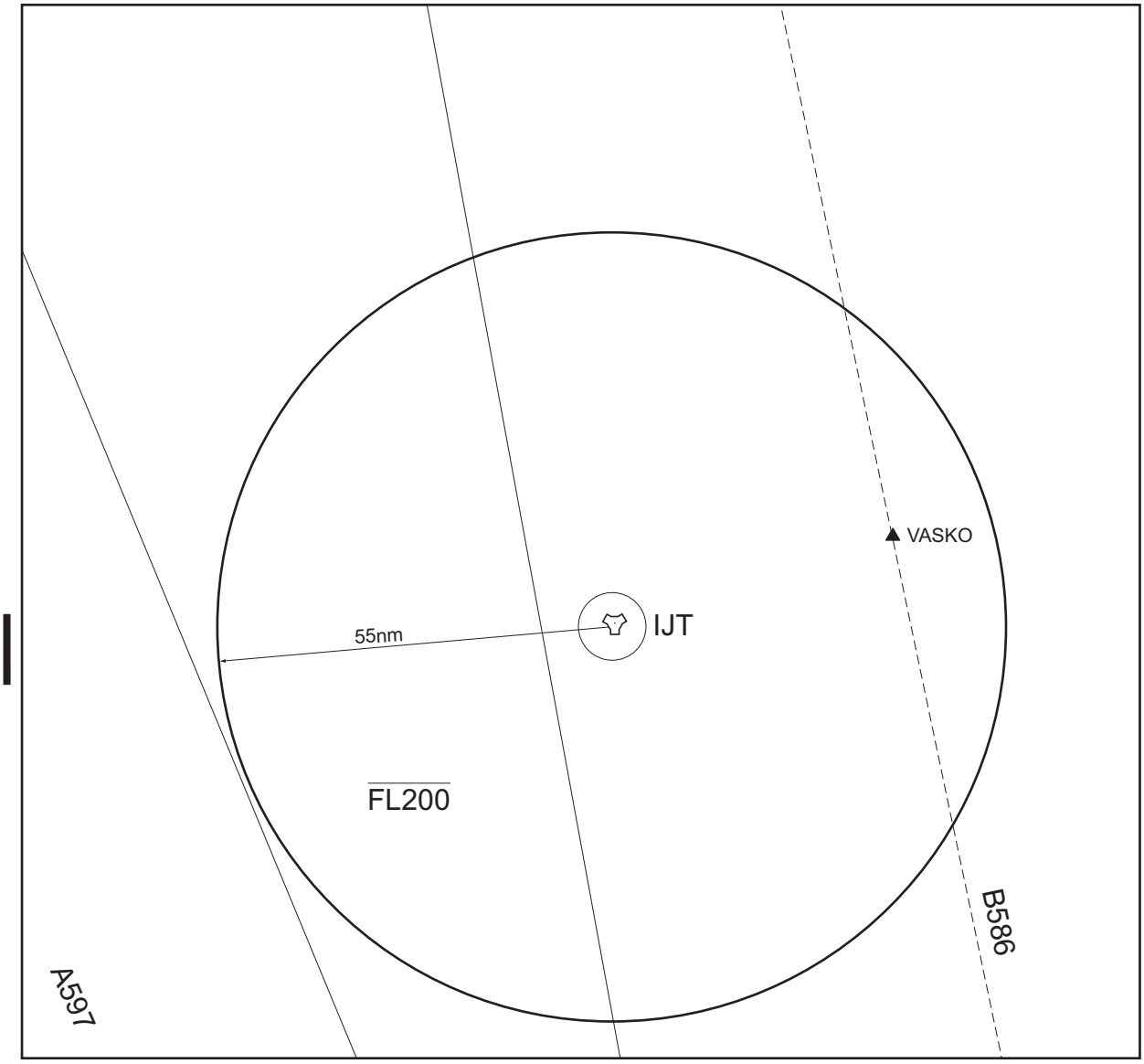
RJAW AD 2.16 HELICOPTER LANDING AREA

To be issued later

RJAW 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
IWOTO CTR	Area within a radius of 5nm of IWOTO ARP (*24°47'N/141°19'E*).	5000 or below	D	IWO TOWER En	
IWOTO ACA	SEE RJAW ATTACHED CHART		E		

Iwoto Approach Control Area



RJAW AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Iwo Tower	228.2MHz(1) 126.2MHz(1) 255.4MHz 123.1MHz 133.4MHz 243.0MHz(E) 121.5MHz(E)	2300 - 0745 Except FRI 0746- SUN 2259 and HOL Other time 1HR PN	(1)Primary
GND	Iwo Ground	236.8MHz(1) 319.0MHz	2300 - 0745 Except FRI 0746- SUN 2259 and HOL Other time 1HR PN	
DEP/APP	Iwo Departure/ Iwo Approach	284.6MHz(1) 138.3MHz(1) 123.1MHz 255.4MHz 243.0MHz(E) 121.5MHz(E)	2300 - 0745 Except FRI 0746- SUN 2259 and HOL Other time 1HR PN	
ASR	Iwo Radar	284.6MHz(1) 138.3MHz(1) 335.6MHz 125.3MHz	2300 - 0745 Except FRI 0746- SUN 2259 and HOL Other time 1HR PN	Maintenance period: 2200-0200 FRI in VMC.
GCA-ASR -PAR	Iwo Radar/ Iwo GCA	270.8 MHz(1) 134.1 MHz(1) 258.6MHz 317.2MHz 319.0MHz 141.25MHz	2300 - 0745 Except FRI 0746- SUN 2259 and HOL Other time 1HR PN	Maintenance period: 2200-0200 FRI in VMC. ASR, PAR RWY 07/25 Glide path 2.5°

RJAW 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	IJT	996MHz (CH-35X)	H24	*244704.39N 1411857.03E*	409ft	TACAN Unusable: 030°-050° beyond 34nm BLW 2000ft. 100°-110° beyond 26nm BLW 2000ft. 110°-120° beyond 22nm BLW 2000ft. 120°-130° beyond 30nm BLW 2000ft. 130°-140° beyond 36nm BLW 2000ft.

RJAW AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

24 HR PPR fm commander Fleet Air Wing 4th, JSDF-M, Ayase-shi, Kanagawa Pref, (Phone 0467-78-8611 ext 2222)

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

RJAW AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJAW AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	07	A,B,C,D	-	-	400m	400m	-	500m
	25	A,B,C,D	-	-	400m	400m	-	500m
OTHER	07	A,B,C,D	AVBL LDG MINIMA					
	25	A,B,C,D						

2. MISSED APCH PROCEDURE FOR PAR/ASR APCH

2.1 PAR/ASR RWY07 APCH

Unless otherwise instructed by ATC, execute each missed approach procedure as follows.
(1)PAR RWY07: At guidance limit, climb on HDG 072° to 800FT, via IJT R075 to IGORI and hold at 3000FT.
(2)ASR RWY07: At guidance limit, via IJT R075 to IGORI and hold at 3000FT.

2.2 PAR/ASR RWY25 APCH

Unless otherwise instructed by ATC, execute missed approach procedure as follows.
At guidance limit, climb on HDG 252° to 900FT, via IJT R246 to TOPON and hold at 3000FT.

3. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

PAR RWY07

MINIMA	THR elev. 395		AD elev. 419	
CAT			CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	595(200)	1000	820(401)	1600
B			870(451)	
C				2400
D			970(551)	3200

PAR RWY25

MINIMA	THR elev. 419		AD elev. 419	
CAT			CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	619(200)	1000	820(401)	1600
B			870(451)	
C				2400
D	621(202)		970(551)	3200

ASR RWY07

MINIMA	THR elev. 395		AD elev. 419	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	840(445)	1500	840(421)	1600
B			870(451)	
C		1800		2400
D		2000	970(551)	3200

ASR RWY25

MINIMA	THR elev. 419		AD elev. 419	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	720(301)	1500	820(401)	1600
B			870(451)	
C		1800		2400
D		2000	970(551)	3200

4. Lost communication procedures for arrival aircraft under radar navigational guidance

If radio communications with IWO Radar/Approach/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 IWO Tower
2. If unable, proceed in accordance with visual flight rules.
3. If unable, proceed TACAN IAF at last assigned altitude or 3,000 feet whichever is higher, and execute instrument approach.

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

5. Automated Radar Terminal System (ARTS)

硫黄進入管制所の指示のもとに、硫黄島進入管制区を飛行する航空機は，モード A/3 の二次レーダー個別コード及びモード C による応答を指示される。

二次レーダー個別コードを搭載していない航空機が当該コードによる応答を指示された場合は、管制官にその旨を通報すること。

Aircraft flying under control of Iwo approach control in the approach area will be instructed to reply with discrete code Mode A/3 and Mode C.

If an aircraft with non-discrete code capability be instructed to reply with such code, it shall report a controller accordingly.

RJAW AD 2.23 ADDITIONAL INFORMATION

Nil

RJAW AD 2.24 CHARTS RELATED TO AN AERODROME

Standard Departure Chart - Instrument (IWO, NIKOP)
Standard Departure Chart - Instrument (KAGUN)
Standard Departure Chart - Instrument (VASKO-RNAV)

Standard Arrival Chart - Instrument (TOPON NORTH, IGORI NORTH)
Standard Arrival Chart - Instrument (TOPON EAST, IGORI EAST)
Standard Arrival Chart - Instrument (VASKO-RNAV)

Instrument Approach Chart (TACAN RWY07)
Instrument Approach Chart (TACAN RWY25)
Instrument Approach Chart (RNP RWY07)
Instrument Approach Chart (RNP RWY25)

STANDARD DEPARTURE CHART - INSTRUMENT

RJAW / IWOTO

SID and TRANSITION

CHANGE : NIKOP ONE DEPARTURE established. TIDRI TWO DEPARTURE abolished. PROC course.

IWO TWO DEPARTURE

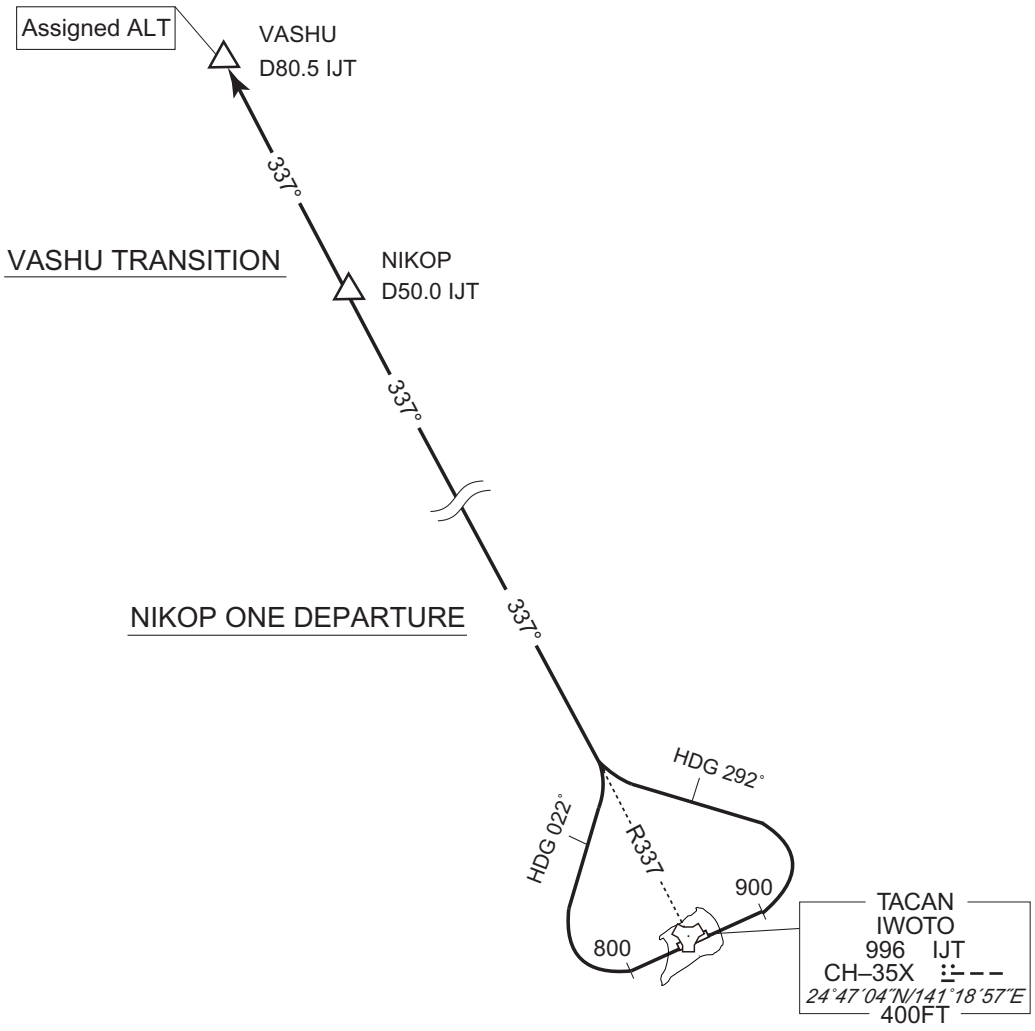
RWY 07/25 : Climb RWY HDG to 1000FT or above, then proceed as directed by ATC.
Remarks: IWO TWO DEPARTURE is not illustrated.

NIKOP ONE DEPARTURE

RWY 07 : Climb RWY HDG to 900FT, turn left HDG292˚ to intercept and proceed via IJT R337 to NIKOP.
RWY 25 : Climb RWY HDG to 800FT, turn right HDG022˚ to intercept and proceed via IJT R337 to NIKOP.

VASHU TRANSITION

From over NIKOP, via IJT R337 to VASHU.
Cross VASHU at assigned altitude.



STANDARD DEPARTURE CHART - INSTRUMENT

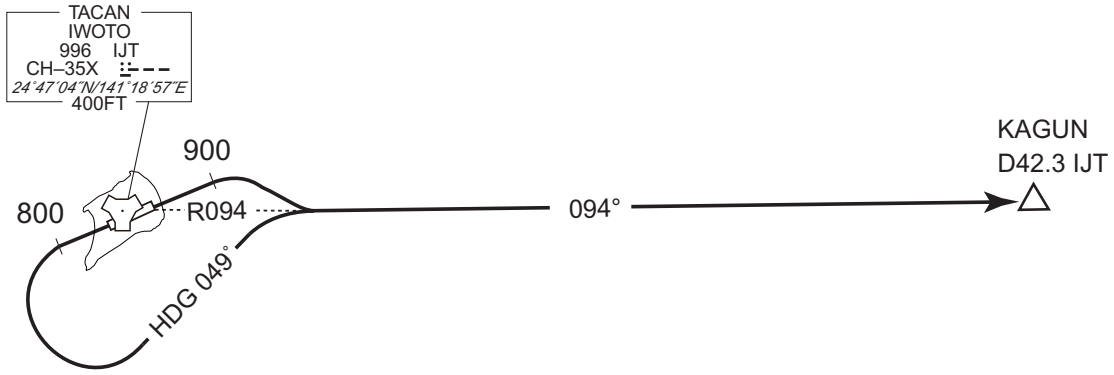
RJAW / IWOTO

SID

KAGUN ONE DEPARTURE

RWY 07 : Climb RWY HDG to 900FT, via IJT R094 to KAGUN.

RWY 25 : Climb RWY HDG to 800FT, turn left HDG049˚ to intercept and proceed via IJT R094 to KAGUN.



CHANGE : New PROC.

STANDARD DEPARTURE CHART - INSTRUMENT

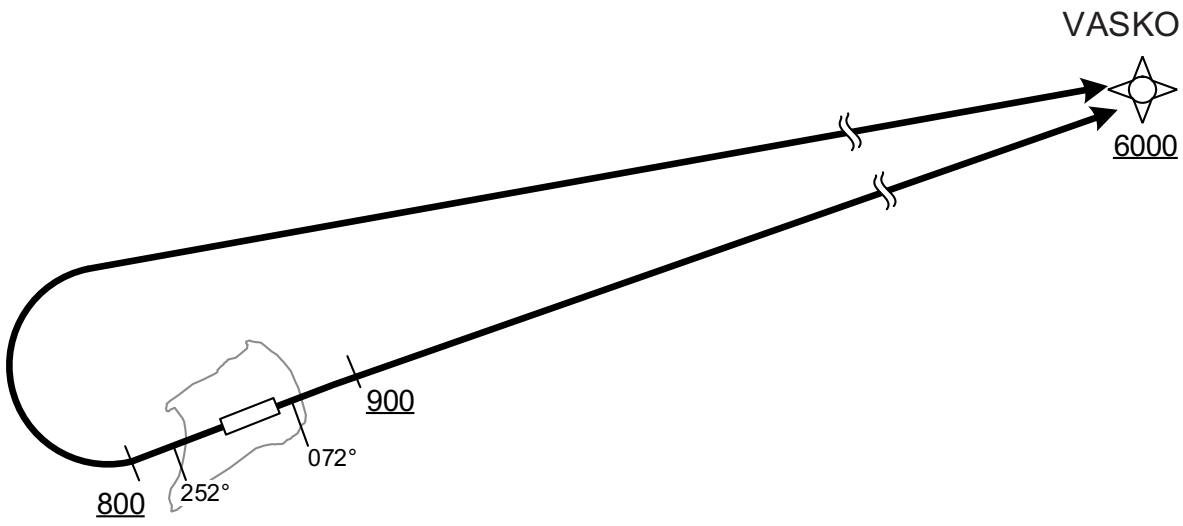
RJAW /IWOTO

RNAV SID

VASKO THREE DEPARTURE	RNP1

Note GNSS required.

VAR 4°W



RWY07 : Climb on HDG072° at or above 900FT, direct to VASKO at or above 6000FT.
RWY25 : Climb on HDG252° at or above 800FT, turn right direct to VASKO at or above 6000FT.

RWY07

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	—	—	072 (067.7)	-4.0	—	—	+900	—	—	RNP1
002	DF	VASKO	—	—	-4.0	—	—	+6000	—	—	RNP1

RWY25

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	—	—	252 (247.8)	-4.0	—	—	+800	—	—	RNP1
002	DF	VASKO	—	—	-4.0	—	R	+6000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
VASKO	*250015.8N / 1420213.0E*

CHANGE : PROC renamed. PROC course. VAR. Waypoint Coordinates added.

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STANDARD ARRIVAL CHART - INSTRUMENT

RJAW / IWOTO

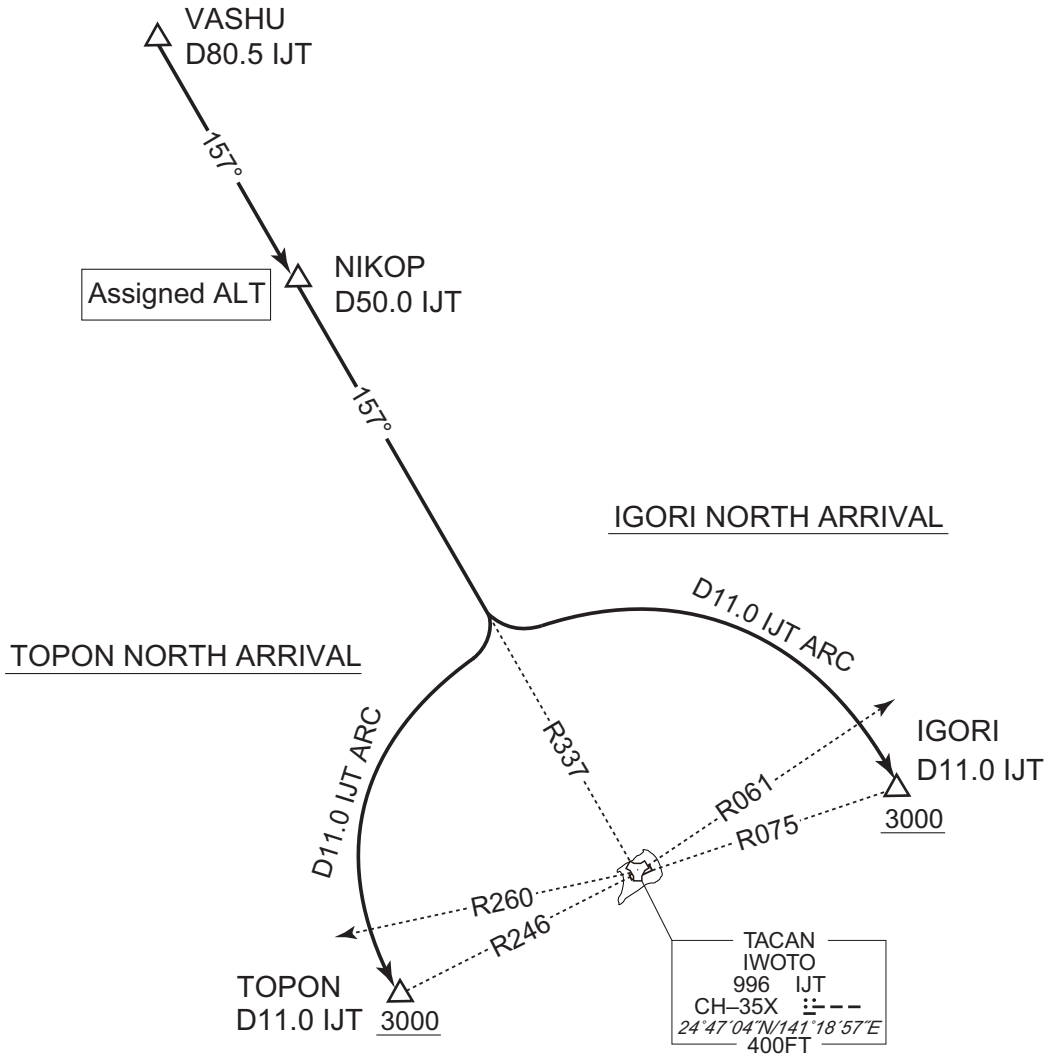
STAR

TOPON NORTH ARRIVAL

From over VASHU, via IJT R337, turn right, via IJT 11.0DME counterclockwise ARC to TOPON.
Cross NIKOP at assigned altitude, cross TOPON at or above 3000FT.

IGORI NORTH ARRIVAL

From over VASHU, via IJT R337, turn left, via IJT 11.0DME clockwise ARC to IGORI.
Cross NIKOP at assigned altitude, cross IGORI at or above 3000FT.



CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT

RJAW / IWOTO

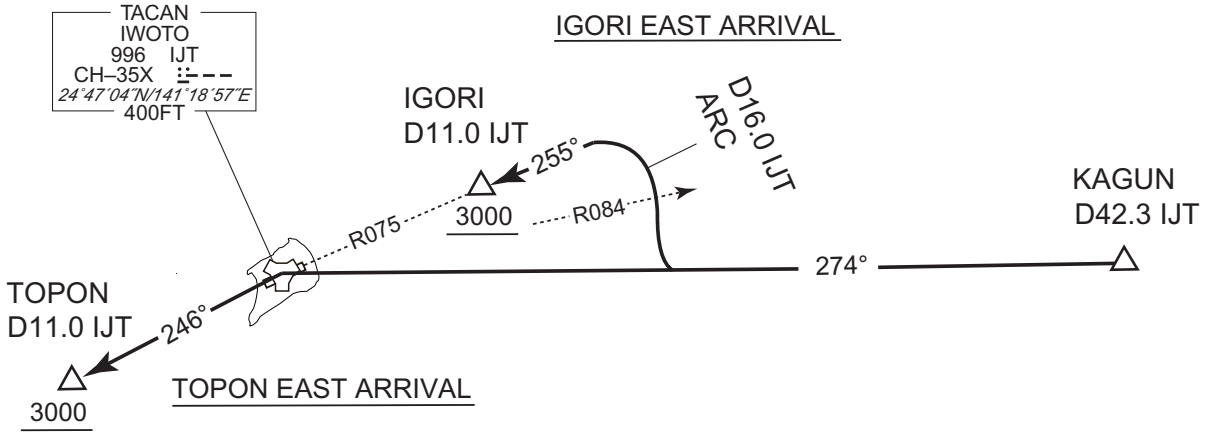
STAR

TOPON EAST ARRIVAL

From over KAGUN, via IJT R094 to IJT TACAN, via IJT R246 to TOPON.
Cross TOPON at or above 3000FT.

IGORI EAST ARRIVAL

From over KAGUN, via IJT R094, turn right, via IJT 16.0DME counterclockwise ARC to intercept and proceed via IJT R075 to IGORI.
Cross IGORI at or above 3000FT.



CHANGE : New PROC.

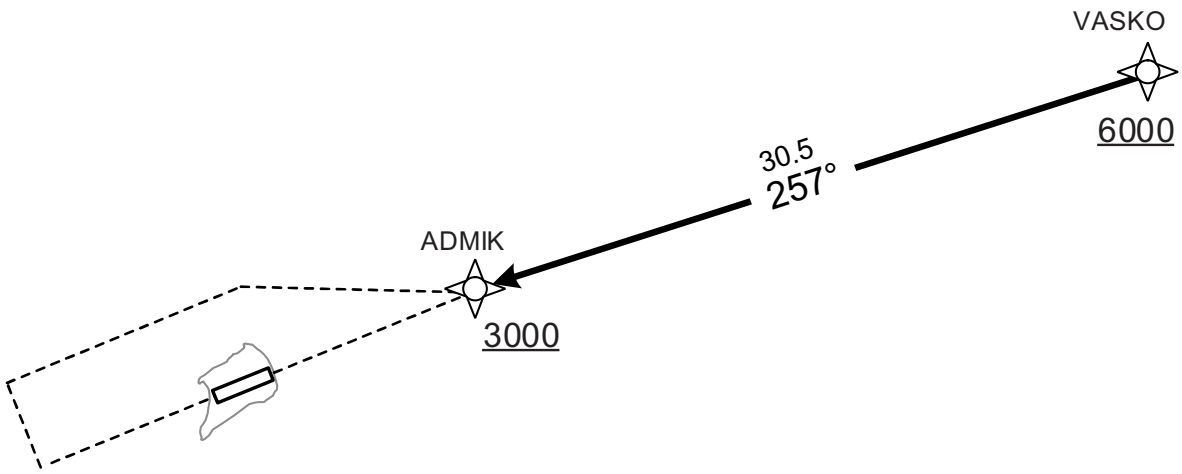
STANDARD ARRIVAL CHART - INSTRUMENT

RJAW /IWOTO RNAV STAR

VASKO ARRIVAL	RNP1

Note GNSS required.

VAR 4°W



From VASKO at or above 6000FT, to ADMIK at or above 3000FT.

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	VASKO	—	—	-4.0	—	—	+6000	—	—	RNP1
002	TF	ADMIK	—	257 (252.5)	-4.0	30.5	—	+3000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
VASKO	*250015.8N / 1420213.0E*
ADMIK	*245102.9N / 1413009.6E*

CHANGE : Course FM VASKO to ADMIK. VAR. Waypoint Coordinates added.

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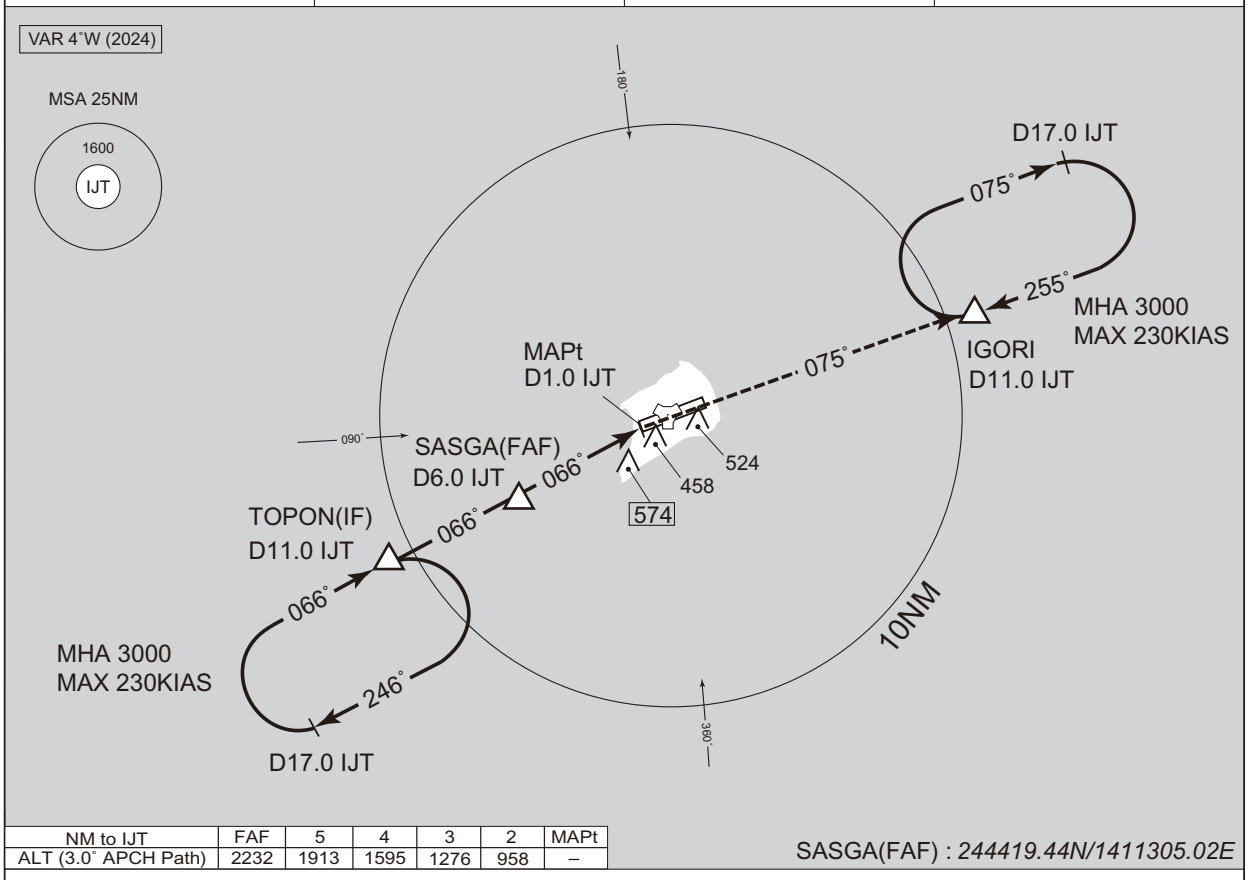
INSTRUMENT APPROACH CHART

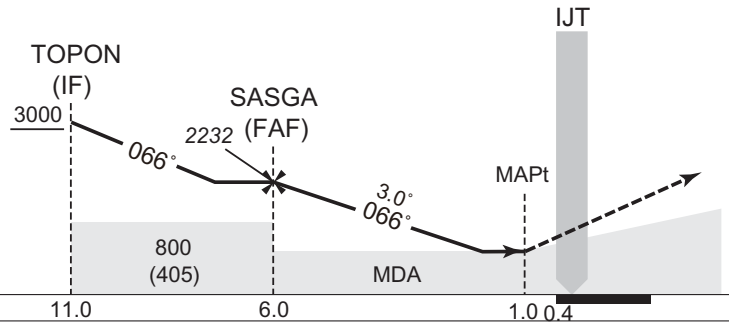
RJAW / IWOTO — TACAN RWY07

IWO APP	IWOTO TACAN	IWO TOWER	RADAR AVAILABLE
123.1 – 138.3 255.4 – 284.6	996 IJT CH–35X *24˚47´04˝N/141˚18´57˝E*	123.1 – 126.2 228.2 – 255.4	CALL IWO APP



NM to IJT	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	2232	1913	1595	1276	958	–

SASGA(FAF) : *244419.44N/1411305.02E*



MISSED APPROACH

Climb to 800FT, via IJT R075 to IGORI and hold at 3000FT.

Contact IWO APP.

PAPI and descent angles not coincident.
Timing not authorized for defining the MAPt.

11.0	6.0	1.0	0.4	DME to IJT
10.6	5.6	0.6	0	NM to THR

MINIMA THR elev. 395 AD elev. 419

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	650 (255)	1500	820 (401)	1600
B	670 (275)		870 (451)	
C	700 (305)	1800		2400
D	710 (315)	2000	970 (551)	3200

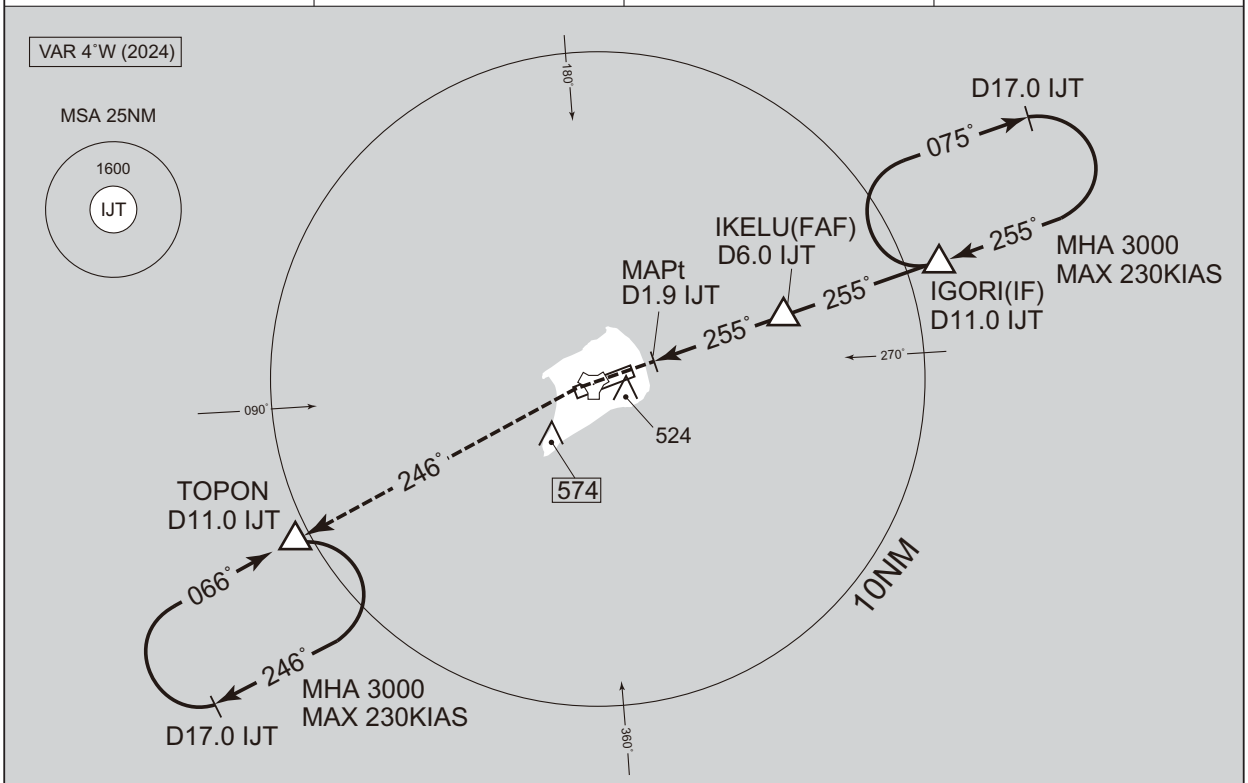
CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJAW / IWOTO

TACAN RWY25

IWO APP	IWOTO TACAN	IWO TOWER	RADAR AVAILABLE
123.1 – 138.3 255.4 – 284.6	996 IJT CH–35X *24˚47´04˝N/141˚18´57˝E*	123.1 – 126.2 228.2 – 255.4	CALL IWO APP



IKELU(FAF) : *244859.70N/1412512.11E*

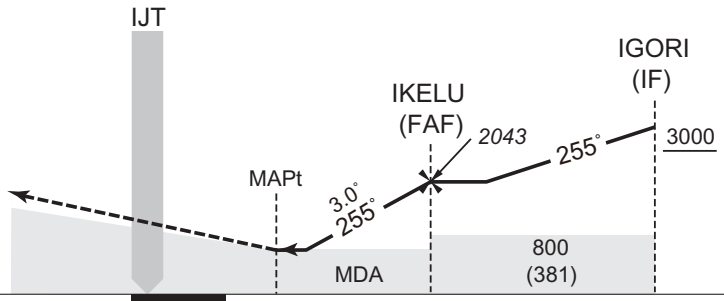
NM to IJT	MAPt	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	1088	1406	1725	2043

MISSED APPROACH

Climb to 900FT, via IJT R246 to TOPON and hold at 3000FT.

Contact IWO APP.

PAPI and descent angles not coincident.
Timing not authorized for defining the MAPt.



DME to IJT	1.1	1.9	6.0	11.0
NM to THR	0	0.8	4.9	9.9

MINIMA THR elev. 419 AD elev. 419

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	800 (381)	1500	820 (401)	1600
B			870 (451)	
C		1800		2400
D		2000	970 (551)	3200

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

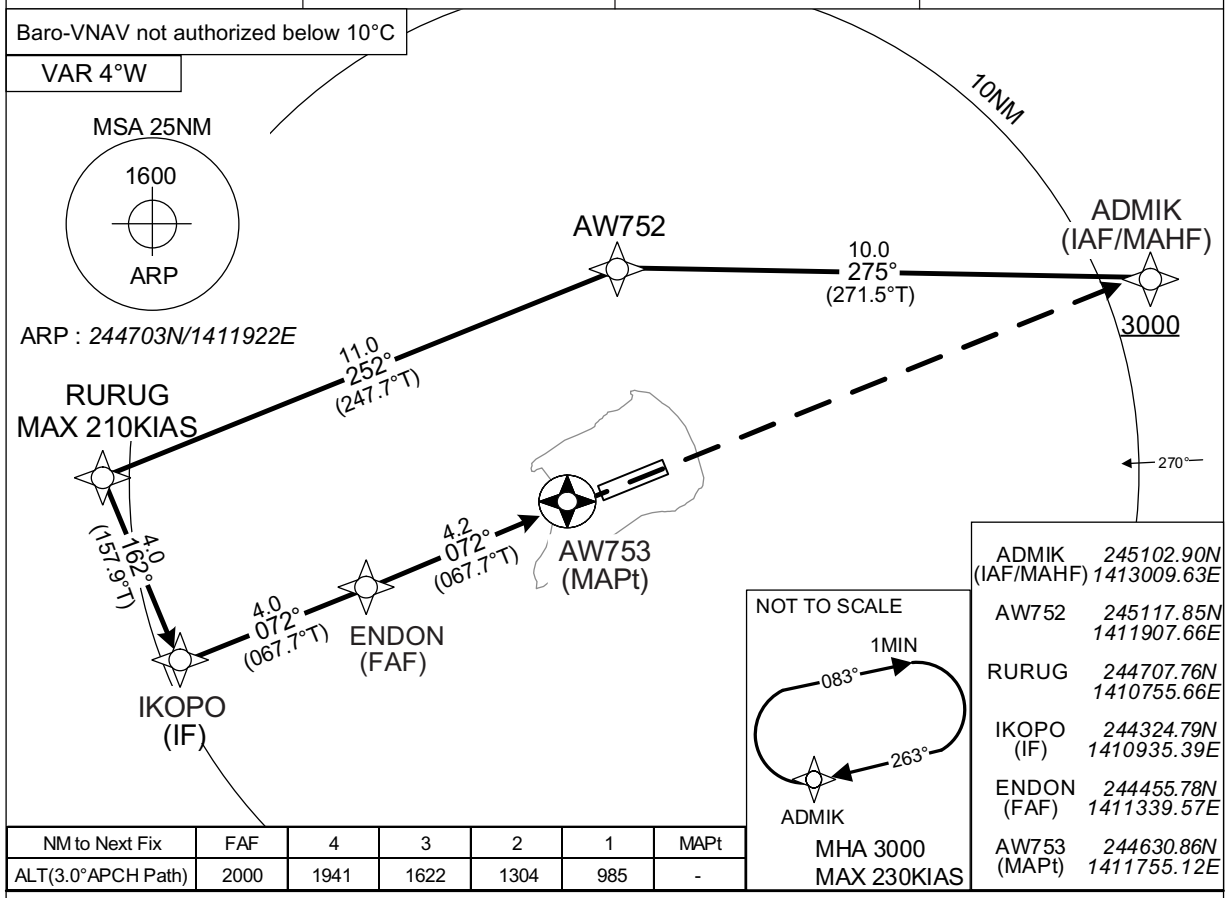
RJAW /IWOTO

RNP RWY07

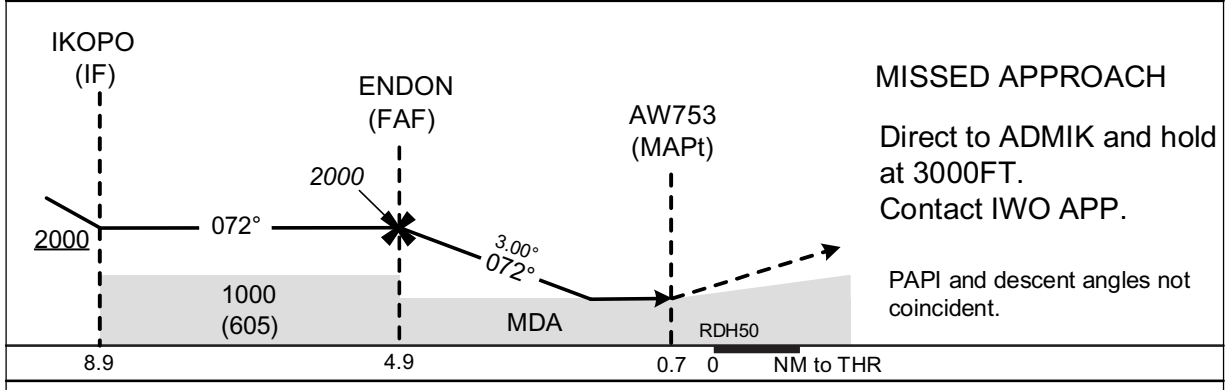
IWO APP 123.1 – 138.3 255.4 – 284.6	RNP APCH	IWO TOWER 123.1 – 126.2 228.2 – 255.4	RADAR AVAILABLE CALL IWO APP

Baro-VNAV not authorized below 10°C

VAR 4°W



NM to Next Fix	FAF	4	3	2	1	MAPt
ALT(3.0°APCH Path)	2000	1941	1622	1304	985	-



MISSED APPROACH

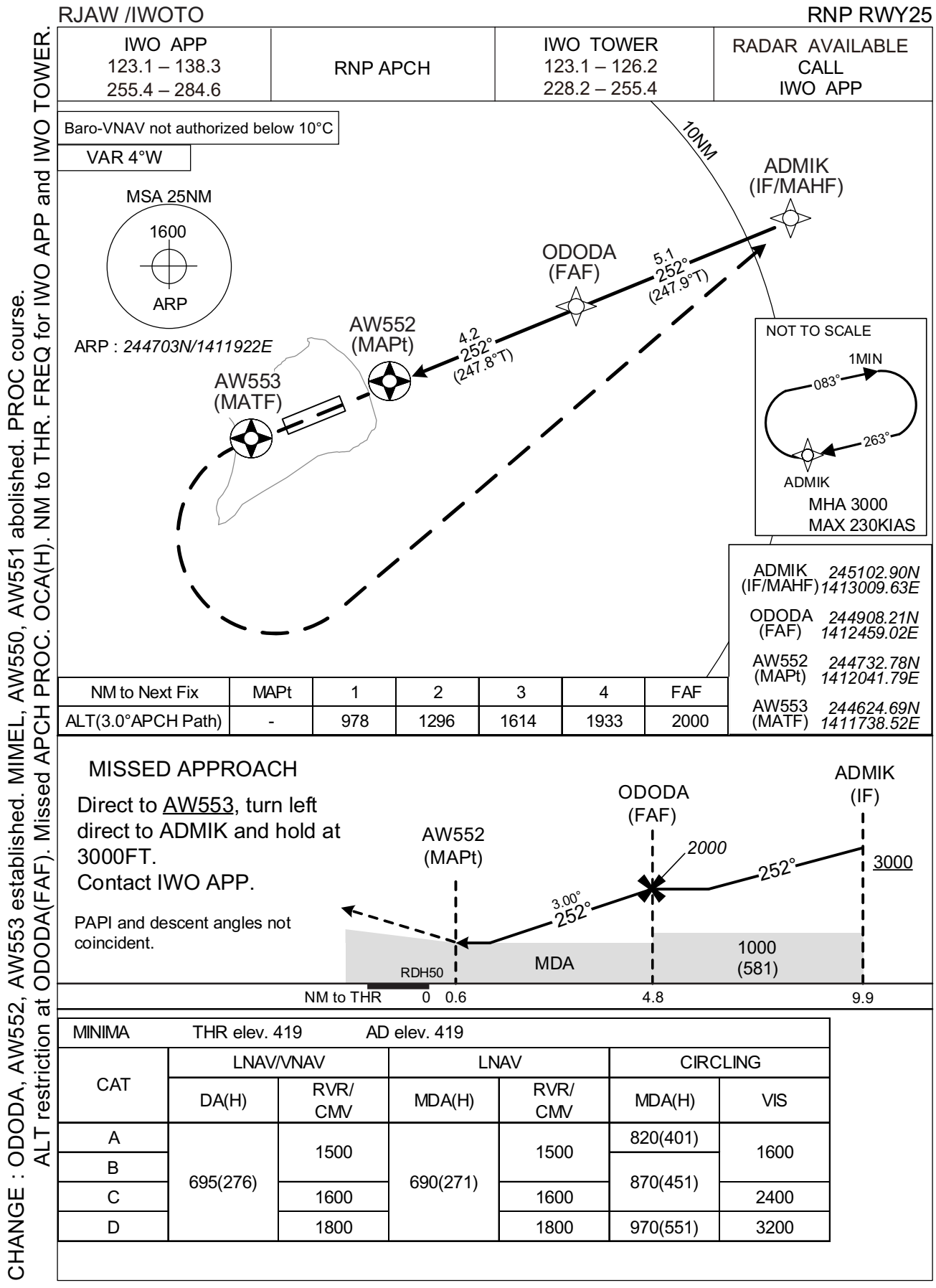
Direct to ADMIK and hold at 3000FT.
Contact IWO APP.

PAPI and descent angles not coincident.

MINIMA	THR elev. 395		AD elev. 419			
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	700(305)	1500	700(305)	1500	820(401)	1600
B					870(451)	
C		1800		1800		2400
D		2000		2000	970(551)	3200

CHANGE : AW752, RURUG, IKOPO, ENDON, AW753 established. AW750, KIBIS, ATBUS, PATBA, AW751 abolished.
PROC course. ALT(3.0° APCH Path). ALT restriction at IKOPO. OCA(H). NM to THR. FREQ for IWO APP and IWO TOWER.

INSTRUMENT APPROACH CHART



MINIMA	THR elev. 419		AD elev. 419			
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	695(276)	1500	690(271)	1500	820(401)	1600
B					870(451)	
C		1600		1600		2400
D		1800		1800	970(551)	3200

CHANGE : ODODA, AW552, AW553 established. MIMEL, AW550, AW551 abolished. PROC course. ALT restriction at ODODA(FAF). Missed APCH PROC. OCA(H). NM to THR. FREQ for IWO APP and IWO TOWER.