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1755 & 1730

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1749 **OEJDYKYX**

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GENERAL AUTHORITY OF CIVIL AVIATION SAUDI AIR NAVIGATION SERVICE AERONAUTICAL INFORMATION MANAGEMENT P. O. BOX 929, JEDDAH - 21421

AIP SUP 03/19 7 MAR 2019

ISSN 1658/3485 LDN 2133/1428

OETH - Riyadh / Thumamah Airport

1. Introduction

- The Saudi Airshow 2019 is an event to be held at Thumamah Airport (OETH) between 12-14 March 2019 with the participation of 1 1 around 80 aircraft.
- The purpose of this AIP Supplement is to provide information pertaining to the temporary new RNAV (GNSS) Instrument Approach 12 Procedures (IAPs) for RWY 17/35 at OETH airport to be used during the Saudi AIRSHOW.
- 13 This AIP Supplement will remain in force until Saudi AIRSHOW is completed.
- Effective date of this AIP SUP is from 09 to 19 March 2019 1.4

2. Airport Data

- 2.1 OETH-Thumamah Airport data and aerodrome chart are provided in Appendix A of this AIP SUP.
- 2.2 OETH Thumamah Airport is certified VFR with non-instrument runway.
- 2.3 New temporary RNAV Instrument Approach Procedures (IAPs) designed to serve RWY 17/35 during the period of this AIP SUP only and to be used as aid for landing.

3. Temporary RNAV Instrument Approach Procedures (IAPs)

New temporary IAPs to serve RWY 17/35 at OETH -Thumamah Airport are provided in Appendix A of this AIP SUP as follow: 3.1

RNAV (GNSS) RWY 17

RNAV (GNSS) RWY 35

4. Departures

- Aircraft departing Thumamah airport must be flight planned and their departure will be coordinated with King Khaled International 4 1 Airport (KKIA) ATC. Flight planning and pilot briefing facilities are available on site.
- Departing aircraft will receive a clearance from Thumamah Tower prior to departure and should expect to be handed to the Radar frequency on reaching 3000ft AMSL on climb out.

5. Communication failure

- 5.1 Refer to AIP ENR 1.6 Communication failure procedure.
- 5.2. In the event of radio failure after 'TOWER has advised that you are clear to proceed with your display, you may display for your allotted period before clearing the display area. In all other circumstances you must clear the display area immediately and recover to land. After leaving the display box you are to overfly the runway to ensure that it is clear and unoccupied and to fly past the display datum waggling your wings to indicate a radio failure. ATC will then take action to accommodate a landing and you should land when you are content the runway is clear.

6. Important information / Restrictions.

- All aircraft arriving at Thumamah airport for the Saudi Airshow 2019 are to be strictly PPR (Prior Permission Required) and both the airfield operator and the event organizers must be aware of all planned participation in the Airshow.
- 62 On arrival days the static display parking area will be a busy area with aircraft moving under power. On show days (12-14 March) the airside area will be defined by a crowd barrier.
- 6.3 Aerodrome reference code 4E aircraft or smaller allowed to use RWY 17/35 during this AIP SUP period.
- 6.4 Landing and take-off not allowed when another aircraft is taxiing.
- 6.5 New Apron is available at the airport.
- 6.6 Temporary mobile TWR frequency is available on 125.55 MHZ.

- 6.7 Riyadh APP frequency is available on 120.00 MHZ.
- 6.8 Aircraft should not be taxing to the apron and should follow TWR instructions.
- 6.9 PAPI 3° angle available for RWY 35 on both sides.
- 6.10 Aircraft Handling and Parking:

On vacating the runway aircraft will be given instructions to follow the follow me vehicle to the parking spot. Aircraft will be marshalled into their final parking position or shut down and towed into position. Because of the complexity of the parking plan, pilots must follow all instructions, even if the parking location is not as expected.

If Aircraft Ground Support Equipment is requested, it will be provided by Saudi Ground Services (SGS).

No engine ground running will be permitted inside the static display parking area, and no running of APUs without prior permission from the organizer.

- 6.11 The display area is located inside the Thumamah airport operating area, SFC-3000ft AMSL and 5NM in radius. Any flight outside this area will require approval in advance via the Flying Display Team and a clearance from ATC at King Khalid International Airport (KKIA). The Display Box will be activated by NOTAM issued daily by KKIA ATC.
- 6.12 All display items should call TOWER for start, taxy and departure on 125.55 MHz. If leaving the Thumamah operating area, participants should contact KKIA Radar for a service. A coordinated handover will be given on the Display Frequency. (TIBA frequency 122.8 MHz is used as backup).
- 6.13 There are a number of large buildings and antennae in the main airport site and crowd rear. All of these obstructions are crowd rear and so should not affect the flying display. The most significant obstacle in the area is the escarpment approximately 2NM North-East of the display datum and which rises up to 465ft AGL.

7. Obstacles Survey Data (OLS Penetration)

Obst. ID	LAT (N)	LONG(E)	Total elevation (ft)	OLS penetration (ft)	Location
OBS38	25 10 21.8024	46 37 41.9345	2083.33	68.7	Inner Horizontal
OBS39	25 10 32.5513	46 37 31.9966	2083.33	68.7	Inner Horizontal
OBS40	25 10 43.1949	46 37 21.3042	2083.33	68.7	Inner Horizontal
OBS41	25 10 53.7237	46 37 11.6851	2083.33	68.7	Inner Horizontal
OBS42	25 11 04.3716	46 37 02.0778	2083.33	68.7	Inner Horizontal
OBS43	25 11 15.1162	46 36 51.6848	2083.33	68.7	Inner Horizontal
OBS44	25 11 26.2028	46 36 41.6869	2083.33	68.7	Inner Horizontal
OBS45	25 11 36.6482	46 36 32.2528	2083.33	68.7	Inner Horizontal
OBS46	25 11 47.1454	46 36 22.0113	2083.33	68.7	Inner Horizontal
OBS47	25 11 57.4758	46 36 12.1917	2083.33	68.7	Inner Horizontal
OBS50	25 13 12.7379	46 38 09.4745	1985	18	Transitional
OBS50	25 13 12.7379	46 38 09.4745	1985	18	Transitional
OBS56	25 09 20.4422	46 38 45.2867	2083.33	3.07	Conical
OBS57	25 09 30.4164	46 38 33.8581	2083.33	53.76	Conical
OBS58	25 09 40.3664	46 38 22.7018	2083.33	68.7	Inner Horizontal
OBS59	25 09 49.6389	46 38 12.0475	2083.33	68.7	Inner Horizontal
OBS60	25 10 00.4050	46 38 02.0623	2083.33	68.7	Inner Horizontal
OBS61	25 10 11.0950	46 37 51.8871	2083.33	68.7	Inner Horizontal

8. Inquiries

8.1 Inquiries should be addressed to the following contacts:

Thumamah Airport Manager e-mail: farres.moneer@sac.com.sa

TEL: +966 55 559 0321

APPENDIX - A

OETH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

OETH - Riyadh / THUMAMAH Airport

OETH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	251251N 0463827E
2	Direction and distance from (city)	50 KM NE of city
3	Elevation/Reference temperature	1 870 FT / 42°C
4	Geoid undulation at AD ELEV PSN	NIL
5	MAG VAR/Annual change	3°E (2015) 0.05° Increasing
6	AD Administration, address, telephone, telefax, telex, AFS	Saudi Aviation Club (SAC) Thumama Airport P.O.Box 14166 Riyadh 11424 Saudi Arabia OPS Office TEL: +966 11 810 3777 Head Office TEL: +966 11 450 5806 Fax: +966 11 219 1004 AFS: Thumamah Airport OETH
7	Types of traffic permitted (IFR/VFR)	VFR
8	Remarks	NIL

OETH AD 2.3 OPERATIONAL HOURS

1	AD Administration	03:00 - 14:00
2	Customs and immigration	NIL
3	Health and sanitation	NIL
4	AIS Briefing Office	NIL
5	ATS Reporting Office (ARO)	NIL
6	MET Briefing Office	NIL
7	ATS	NIL
8	Fuelling	03:00 - 14:00
9	Handling	NIL
10	Security	NIL
11	De-icing	NIL
12	Remarks	Operation Hours 03:00 -14:00

OETH AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	AV - GAS / JET A1- MOGAS 95
3	Fuelling facilities/capacity	40,000 LTR JET A1 - 14000 LTR AVGAS - 3000 LTR MOGAS 95
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	By arrangement with SAC
6	Repair facilities for visiting aircraft	NIL
7	Remarks	Outside parking available by request

OETH AD 2.5 PASSENGER FACILITIES

1	Hotels	25 KM from airport
2	Restaurants	in the city of Riyadh
3	Transportation	PN - Taxi
4	Medical facilities	NIL
5	Bank and Post Office	In the city of Riyadh
6	Tourist Office	NIL
7	Remarks	NIL

OETH AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 9
2	Rescue equipment	Limited
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

OETH AD 2.7 SEASONAL AVAILABILITY - CLEARING

	1	Types of clearing equipment	NIL
ſ	2	Clearance priorities	NIL
	3	Remarks	NIL

OETH AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Surface: Asphalt Strength: Apron 1: 86 F/C/W/T Apron 2:28 F/C/W/T
2	Taxiway width, surface and strength	TWY A, B, C, D, E Width: 45 M TWY F Width: 44 M Surface: Asphalt Strength: TWY A: 92 F/C/W/T TWY B: 120 F/A/W/T TWY C: 107 F/C/W/T TWY D: 77 F/C/W/T TUTNOUT at Runway 35 End: 119 F/C/W/T TWY F: 45 F/D/W/T TWY E: 80 F/C/W/T
3	Altimeter checkpoint location and elevation	NIL
4	VOR checkpoints	NIL
5	INS checkpoints	NIL
6	Remarks	NIL

OETH 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	Taxi instructions is provided to aircraft
2	RWY and TWY markings and LGT	RWY Marking: CL, Edge, ID, TDZ, THR, perTHR RWY Lighting: Edge, THR, Runway end TWY Marking: CL, Edge, Holding Position TWY Lighting: Edge, Guidance signs
3	Stop bars	NIL
4	Remarks	NIL

OETH AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			In circling area and at AD		Remark
	1			2	3
RWY NR/Area affected	Obstacle type Elevation Markings/LGT	Coordinates	Obstacle type Coordinates Elevation Markings/LGT		
а	b	С	а	b	
17	TERRAIN 2655 ft	25 17 42.00 N 046 37 42.00 E	TERRAIN 2651 ft	25 15 09.00 N 046 39 27.00 E	
	COMM TOWER 2020 ft	25 13 18.84 N 046 38 02.75 E	TERRAIN 2655 ft	25 17 42.00 N 046 37 42.00 E	
	PYLON 2373 ft	25 07 20.28 N 046 39 27.86 E			
35	PYLON 2373 ft	25 07 20.28 N 046 39 27.86 E			
	PYLON 2362 ft	25 07 15.24 N 046 39 14.23 E			
	PYLON 2350 ft	25 07 25.68 N 046 39 41.50 E			
	TERRAIN 2644 ft	25 15 09.00 N 046 39 18.00 E			
	TERRAIN 2644 ft	25 15 09.00 N 046 39 27.00 E			

OETH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NIL
2	Hours of service MET Office outside hours	NIL
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	NIL
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	GAMEP, King Khalid International Airport, Riyadh.

OETH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
17	171 GEO 168 MAG	4000 x 50	107/F/C/W/T	251351.79N 0463815.66E	1 870 FT
35	351 GEO 348 MAG	4000 x 50	107/F/C/W/T	251143.31N 0463838.45E	1 868 FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.513 M	60 x 50	NIL	4480 x 150	NIL	NIL
0.513 M	300 x 50	NIL	4480 x 150	NIL	NIL

OETH AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
17	4000	4000	4060	4000	
35	4000	4000	4300	4000	

OETH AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
17	NIL	Green	NIL	NIL	NIL	Spacing 60 M White	Red	Red	NIL
35	SALS	Green	PAPI Both side 3° (67 FT)	NIL	NIL	Spacing 60 M White	Red	Red	NIL

OETH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	Edge: Blue
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

OETH AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

OETH AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	ATZ: Circle of 5 NM centered on 251251N 0463827E
2	Vertical limits	SFC to 3000 FT MSL
3	Airspace classification	G
4	ATS unit call sign Language(s)	Thumamah unicom English
5	Transition altitude	13000 FT
6	Remarks	NIL

OETH AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Thumamah Tower	125.550 MHZ	03:00-14:00	NIL
APP	Riyadh Approach	120.000 MHZ	H24	NIL

OETH AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

OETH AD 2.20 LOCAL TRAFFIC REGULATIONS

NIL

OETH AD 2.21 NOISE ABATEMENT PROCEDURES

2.21.1 Avoid overfly wild lif reserve 0.7NM west of RWY 17/35.

OETH AD 2.22 FLIGHT PROCEDURES

2.22.1 **General**

RWY 35: Left hand traffic pattern 2900 MSL Airplane / 2400 MSL Gyroplane.

RWY 17: Right hand traffic pattern 2900 MSL Airplane / 2400 MSL GYroplane.

OETH AD 2.23 ADDITIONAL INFORMATION

NIL

OETH AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart - ICAO

Instrument Approach Chart - ICAO RNAV (GNSS) RWY 17

RNAV (GNSS) RWY 17 (aeronautical data tabulation)

Instrument Approach Chart - ICAO RNAV (GNSS) RWY 35

RNAV (GNSS) RWY 35 (aeronautical data tabulation)

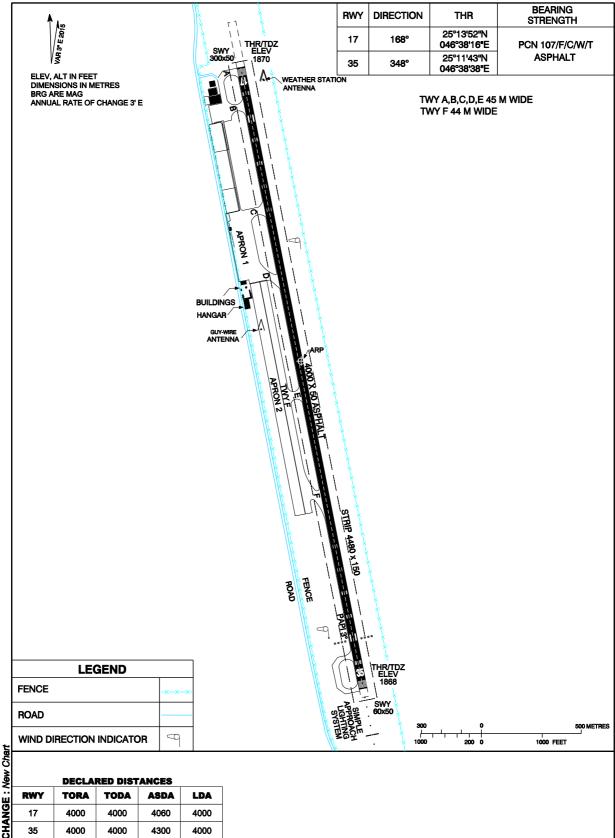


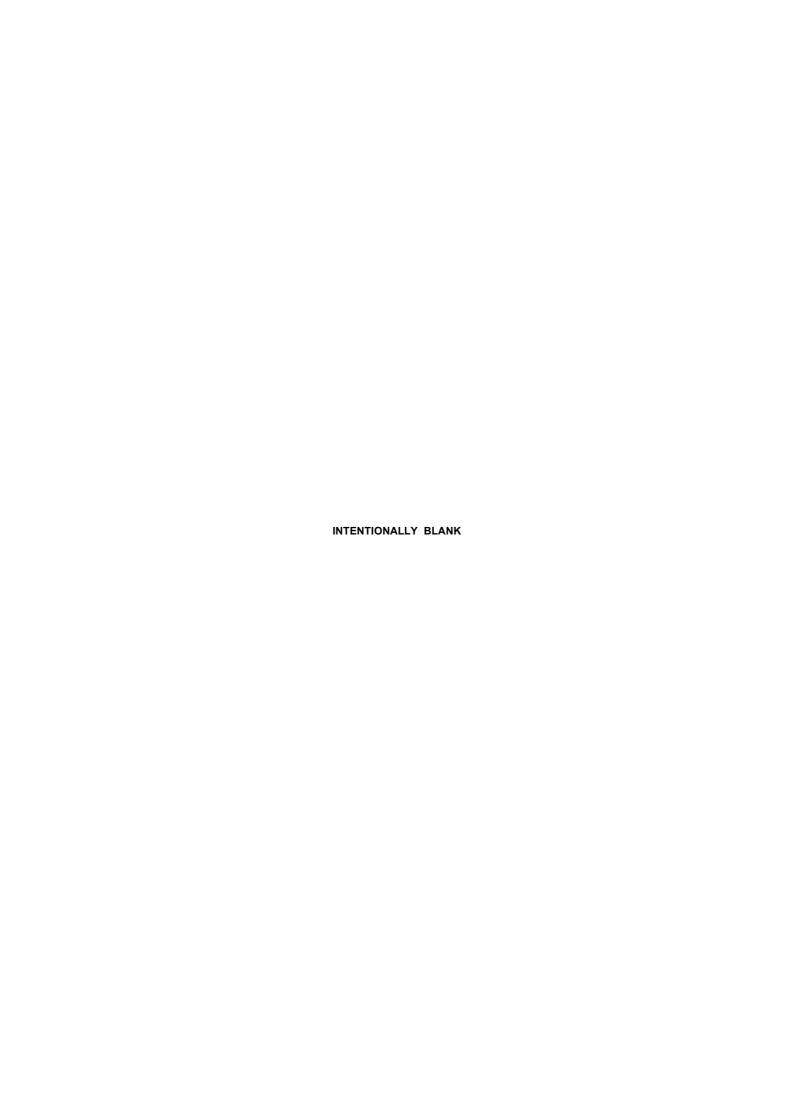
25°12'51"N 046°38'27"E

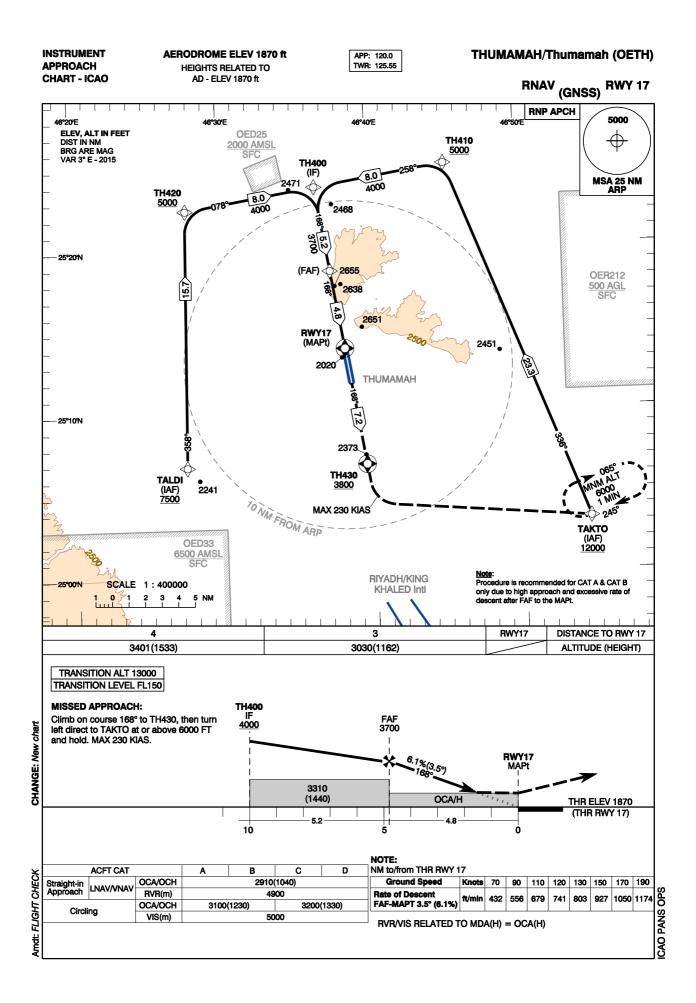
AD ELEV 1870

APP: 120.0 TWR: 125.55

Thumamah





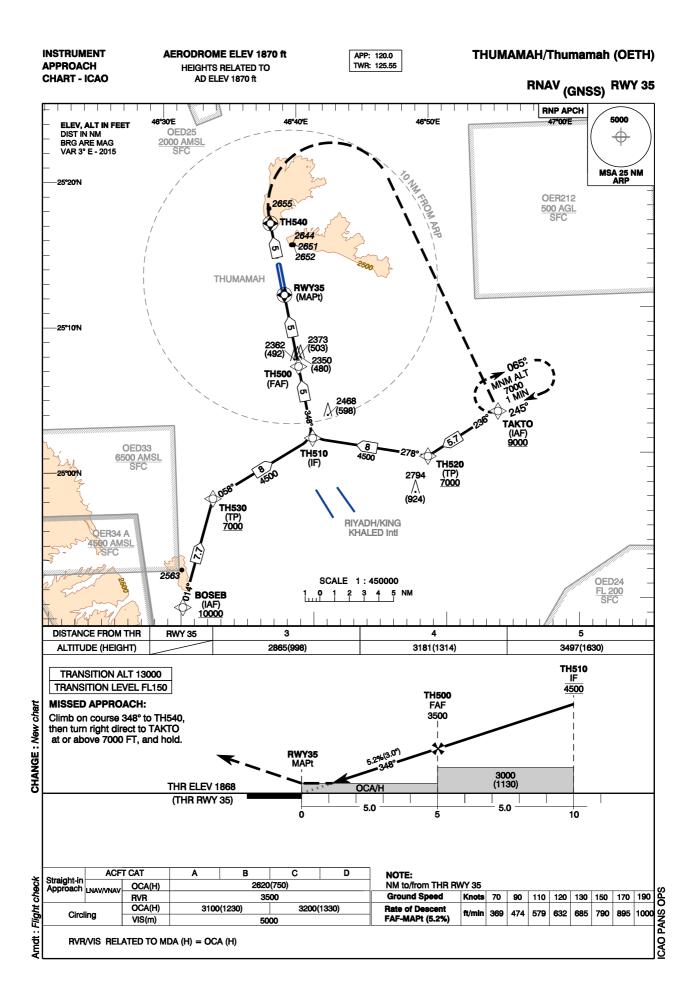


TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Identifier	Fly- Over	Course M° (T°)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	VPA/TCH	Navigation Specificatio
010	IF	TAKTO	-	-	-	-	-	+12000	-	-	RNP APCI
020	TF	TH410	-	336(339.0)	- 3.0	23.3	L	+5000	-	-	RNP APC
030	TF	TH400	-	258(260.9)	- 3.0	8.0	L	+4000	-	-	RNP APC
		1		•							
010	IF	TALDI	-	-	-	-	-	+7500	-	-	RNP APC
020	TF	TH420	-	358(001.1)	- 3.0	15.7	R	+5000	-	-	RNP APC
030	TF	TH400	-	078(080.8)	- 3.0	8.0	R	+4000	-	-	RNP APC
		•		•							
010	IF	TH400	-	-	-	-	-	+4000	-	-	RNP APC
020	TF	FAF	-	168(170.8)	- 3.0	5.2	-	@3700	-	-	RNP APC
030	TF	RWY17 (MAPT)	Υ	168(170.8)	- 3.0	4.8	-	@1918	-	-3.5°/50	RNP APC
040	CF	TH430	Υ	168(170.8)	- 3.0	7.2	-	+3800	-	-	RNP APC
050	DF	TAKTO	-	-	- 3.0	-	L	+6000	230	-	RNP APC

WAYPOINT LIST

Waypoint Identifier	Coordinates					
TAKTO	25°03'13.5"N	046°54'26.8"E				
TALDI	25°06'47.5"N	046°27'26.6"E				
ГН410	25°25'02.7"N	046°45'13.4"E				
TH420	25°22'29.0"N	046°27'46.9"E				
TH400	25°23'46.1"N	046°36'30.1"E				
FAF	25°18'37.2"N	046°37'24.9"E				
TH430	25°06'45.8"N	046°39'31.2"E				
RWY17 (MAPt)	25°13'51.79"N	046°38'15.66"E				



TABULAR DESCRIPTION

RNAV (G	inss) RWY	35									
Serial Number	Path Descriptor	Waypoint Identifier	Fly- Over	Course M° (T°)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	VPA/TCH	Navigation Specificatio
010	IF	TAKTO	-	-	-	-	-	+9000	-	-	RNP APCH
020	TF	TH520	-	236(239.3)	- 3.0	5.7	-	+7000	-	-	RNP APC
030	TF	TH510	-	278(280.9)	- 3.0	8.0	-	@4500	-	-	RNP APCH
010	IF	BOSEB	-	-	-	-	-	+10000	-	-	RNP APCI
020	TF	TH530	-	014(017.3)	- 3.0	7.7	-	+7000	-	-	RNP APC
030	TF	TH510	-	058(060.7)	- 3.0	8.0	-	@4500	-	-	RNP APCH
010	IF	TH510	-	-	-	-	-	@4500	-	-	RNP APC
020	TF	FAF TH500	-	348(350.8)	- 3.0	5	-	@3500	-	-	RNP APCH
030	TF	RWY 35 (MAPT)	Y	348(350.8)	- 3.0	5	-	@1917	-	-3.0°/50	RNP APCH
040	CF	TH540	Υ	348(350.8)	- 3.0	5	-	+3200	-	-	RNP APCH
050	DF	TAKTO	-	-	- 3.0	-	-	+7000	-	-	RNP APCH
	1	'		•							
010	НМ	TAKTO	Υ	245(247.9)	- 3.0	1 min	R	+7000	_	-	RNP APC

WAYPOINT LIST

RNAV (GNSS) RWY 35									
Waypoint identifier	Coordinates								
TAKTO	25°03'13.5"N	046°54'26.8"E							
BOSEB	24°50'28.4"N	046°30'10.9"E							
TH520	25°00'17.8"N	046°49'02.7"E							
TH530	24°57'53.3"N	046°32'42.8"E							
TH510	25°01'48.6"N	046°40'23.7"E							
TH500 (FAF)	25°06'45.8"N	046°39'31.2"E							
TH540 (MATP)	25°16'40.39"N	046°37'45.73"E							
RWY 35 (MAPt)	25°11'43.31"N	046°38'38.45"E							