

LLOV AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LLOV – OVDA

LLOV AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	<i>ARP coordinates and site at AD</i>	295606N 0345627E 028°/1 390 M from THR 03R (centre of RWY)
2	<i>Direction and distance from city</i>	355° 45km from Eilat
3	<i>Elevation/Reference temperature</i>	1 483 FT/35.7°C (August)
4	<i>Geoid undulation at AD ELEV PSN</i>	18 M
5	<i>MAG VAR/Annual change</i>	4° E (2014)/0.08° increasing
6	<i>AD Administration, address, telephone, telefax, tel-ex, AFS</i>	IDFAF in cooperation with the Israel Airports Authority Ovda Airport P.O. Box 42 Eilat 88100 Tel: 972-8-6309200 (AIS) Telefax: 972-8-6375883 (AIS) AFS: LLETZPZX / LLOVATWA SITA: ETHELXH
7	<i>Types of traffic permitted (IFR/VFR)</i>	IFR/CVFR
8	<i>Remarks</i>	Nil

LLOV AD 2.3 OPERATIONAL HOURS

1	<i>AD administration</i>	SUN-THU 08:00-22:00 local time FRI & holiday eve 08:00-16:00 local time SAT & holidays 08:00-16:00 local time
2	<i>Customs and immigration</i>	As AD administration
3	<i>Health and sanitation</i>	As AD administration
4	<i>AIS briefing office</i>	As AD administration
5	<i>ATS Reporting Office (ARO)</i>	As AD administration
6	<i>MET briefing office</i>	Israel Meteorological Service meteorological watch of- fice, Bet Dagan (LLBD).
7	<i>ATS</i>	Military - H24, Civilian - As AD administration.
8	<i>Fuelling</i>	As AD administration
9	<i>Handling</i>	Nil
10	<i>Security</i>	As AD administration
11	<i>De-icing</i>	Nil
12	<i>Remarks</i>	Nil

LLOV AD 2.4 HANDLING SERVICES AND FACILITIES

1	<i>Cargo-handling facilities</i>	Nil
2	<i>Fuel/oil types</i>	Jet A-1, oil - Nil
3	<i>Fuelling facilities/capacity</i>	Bowers only 300 000 litres
4	<i>De-icing facilities</i>	Nil
5	<i>Hanger space for visiting aircraft</i>	Nil
6	<i>Repair facilities for visiting aircraft</i>	Nil
7	<i>Remarks</i>	Nil

LLOV AD 2.5 PASSENGER FACILITIES

1	<i>Hotels</i>	In the city of Eilat
2	<i>Restaurants</i>	Snack bar inside terminal and in the city of Eilat
3	<i>Transportation</i>	Buses by prior arrangement with local handling agents, or through Eilat Airport Administration.
4	<i>Medical facilities</i>	First aid & ambulance at AD Hospital in Eilat (apprx. 60 km)
5	<i>Bank and post office</i>	In the city of Eilat
6	<i>Tourist office</i>	In the city of Eilat
7	<i>Remarks</i>	Nil

LLOV AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	<i>AD category for fire fighting</i>	Within AD HR: CAT 8
2	<i>Rescue equipment</i>	Ambulances
3	<i>Capability for removal of disabled aircraft</i>	Pneumatic lifting bags can be supplied by the Israel air-force upon prior coordination with the Eilat Airport Administration.
4	<i>Remarks</i>	Nil

LLOV AD 2.7 SEASONAL AVAILABILITY - CLEARING

NA

LLOV AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	<i>Apron surface and strength</i>	Surface: Concrete. Strength: PCN 44 F/B/Y/U
2	<i>Taxiway width, surface and strength</i>	Width: 23 M Surface: Asphalt Strength: PCN 44 F/B/Y/U
3	<i>ACL location and elevation</i>	Location: At apron Elevation: TBD
4	<i>VOR/INS checkpoints</i>	NIL
5	<i>Remarks</i>	Taxiways K to S not to be used by civil aircraft unless otherwise instructed by TWR.

LLOV AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	<i>Use of aircraft and ID signs, TWY guide lines and visual parking guidance systems of aircraft stands.</i>	Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. Guide lines at apron Nose-in guidance at aircraft stands.
2	<i>RWY and TWY markings and LGT</i>	RWY: Designation, THR, TDZ centre line, edge runway as appropriate, marked and lighted TWY: Centre line, holding positions at all TWY/RWY intersections, marked and lighted.
3	<i>Stop bars</i>	NIL
4	<i>Remarks</i>	RWY lighting do not conform to ICAO standards.

LLOV AD 2.10 AERODROME OBSTACLES

<i>In approach/TKOF areas</i>			<i>In circling area and at AD</i>	<i>Remarks</i>
<i>1</i>			<i>2</i>	<i>3</i>
<i>RWY/area affected</i>	<i>Obstacle type elevation Markings/LGT</i>	<i>Coordinates</i>	<i>Obstacle type elevation Markings/LGT</i>	No obstacle penetrates 1:50 slope for 15 km in both directions. The restricted area LLR1080 extends west, north and south of the runways.
<i>a</i>	<i>b</i>	<i>c</i>	<i>a</i>	
03L	Topography only	Nil	Topography only	
21R	Topography only	Nil	Topography only	
03R	Topography only	Nil	Topography only	
21L	Topography only	Nil	Topography only	

LLOV AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	<i>Associated MET office</i>	Israel Meteorological Service, Bet Dagan (LLBD)
2	<i>Hours of service MET office outside hours</i>	No routine observation reporting hours. Observations commence 4 hours before the first international landing until the last takeoff. Phone briefing from LLBD available H24.
3	<i>Office responsible for TAF preparation Periods of validity</i>	Israel Meteorological Service, Bet Dagan (LLBD) H24 (Long TAF).
4	<i>Type of landing forecast Intervals of issuance</i>	NIL
5	<i>Briefing/consultation provided</i>	Telephone briefing with the Meteorological Watch Office at Israel Meteorological Service, Bet Dagan, can be established in the aerodrome meteorological station.
6	<i>Flight documentation Language(s) used</i>	By request from the local MET station, a folder may be provided containing: Charts, OPMET information, SIGMET, Aerodrome Warnings and low level forecasts for TEL-AVIV FIR available in ICAO abbreviated language text or in English.
7	<i>Charts and other information available for briefing or consultation</i>	Low level and upper wind and temperature chart for standard isobaric surface. Significant weather chart (low level, medium and high level).
8	<i>Supplementary equipment available for providing information</i>	Meteorological information terminal available at meteorological station in the AD containing: weather radar, weather satellite image display and animation, Upper Air temperature & wind profiles derived from Israeli radiosonds and AMDAR reports , SIGWX and T+W charts and updated OPMET information.
9	<i>ATS units provided with information</i>	Ovda TWR
10	<i>Additional information (limitation of service, etc.)</i>	NIL

LLOV AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

<i>Designations RWY NR</i>	<i>TRUE BRG</i>	<i>Dimensions of RWY (M)</i>	<i>Strength (PCN) and surface of RWY and SWY</i>	<i>THR coordinates RWY end coordi- nates THR geoid undulation</i>	<i>THR elevation and highest elevation of TDZ of precision APP RWY</i>
1	2	3	4	5	6
03L	022.00°	2 600 X 45	44/F/B/Y/U Asphalt/Concrete(edges)	295553.42N 0345547.19E 295706.35N 0345620.79E GUND 17.5 M	THR 1 483 FT
21R	202.00°	2 600 X 45	44/F/B/Y/U Asphalt/Concrete(edges)	295700.93N 0345618.29E 295547.99N 0345544.70E GUND 17.5 M	THR 1 419 FT
03R	022.00°	3 000 X 45	44/F/B/Y/U Asphalt/Concrete(edges)	295543.10N 0345556.50E 295708.15N 0345635.68E GUND 17.5 M	THR 1 480 FT
21L	202.00°	3 000 X 45	44/F/B/Y/U Asphalt/Concrete(edges)	295702.72N 0345633.18E 295537.73N 0345554.03E GUND 17.5 M	THR 1 412 FT
<i>Slope of RWY-SWY</i>	<i>SWY dimensions (M)</i>	<i>CWY dimensions (M)</i>	<i>Strip dimensions (M)</i>	<i>OFZ</i>	<i>Remarks</i>
7	8	9	10	11	12
-0.65% / -0.7% / -0.8% (424 M) (716 M) (1 460 M)	60 X 45	180 X 150	2 720 X 150	Nil	
+0.8% / +0.7% / +0.65% (1 460 M) (716 M) (424 M)	60 X 45	180 X 150	2 720 X 150	Nil	Arresting cables are perma- nently rigged
-0.6% / -0.8% / -0.7% (920 M) (350 M) (1 730 M)	170 X 45	180 X 150	3 120 X 150	Nil	Arresting cables are perma- nently rigged.
+0.7% / +0.8% / +0.6% (1 730 M) (350M) (920 M)	170 X 45	180 X 150	3 120 X 150	Nil	B-747 ACFT and large 4 en- gine ACFT not accepted

LLOV AD 2.13 DECLARED DISTANCES

<i>RWY designator</i>	<i>TORA (M)</i>	<i>TODA (M)</i>	<i>ASDA (M)</i>	<i>LDA (M)</i>	<i>Remarks</i>
1	2	3	4	5	6
03L	2 600	2 780	2 660	2 600	Nil
21R	2 600	2 780	2 660	2 600	Nil
03R	3 000	3 180	3 170	3 000	Nil
21L	3 000	3 180	3 170	3 000	Nil

LLOV AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY designator	APCH LGT		VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT	RWY edge LGT	RWY End LGT	SWY LGT LEN (M) colour	Remarks
	type LEN	THR LGT colour, WBAR			Length, spac- ing, colour, INTST	LEN, spacing colour INTST	colour WBAR		
1	2	3	4	5	6	7	8	9	10
03L	SALS	Green	PAPI left/3°	Nil	Nil	2 600 M 50 M White LIH	Red	Nil	Nil
21R	SALS	Green	PAPI right/3°	Nil	Nil	2 600 M 50 M White LIH	Red	Nil	Nil
03R	Nil	Green	PAPI right/3°	Nil	Nil	3 000 M 50 M White LIH	Red	Nil	Nil
21L	Nil	Green	PAPI left/3°	Nil	Nil	3 000 M 50 M White LIH	Red	Nil	Nil

LLOV AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: At TWR building, FLG W EV 2 SEC/IBN: NIL in IMC condition and at night
2	LDI location and LGT ANEMOMETER location and LGT	LDI: TBD Anemometer: TBD
3	TWY edge and centre line lighting	Edge: All TWY Centre line: TWY D + J only
4	Secondary power supply/switch-over time	Secondary power supply to all lighting at AD switch-over time: 20 SEC Emergency lighting
5	Remarks	Reil to RWY 03L

LLOV AD 2.16 HELICOPTER LANDING AREA

Civil helicopters to use the civil apron for landing, parking and take-off.

LLOV AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	Ovda CTR is composed of three sections: 1. Western Section - The area within the coordinates N295738E344605 N295914E344905 - N294838E345259 - N294744E344953 and back to the first coordinate. From SFC to 5 000 FT. 2. Central Section - The area within the coordinates: N295914E344905 - N300038E345153 - N300156E345653 N300114E345953 - N295002E345736 - N294838E345259 and back to the first coordinate. From SFC to 11 000 FT. 3. Eastern Section - The area within the coordinates N300114E345953 - N300032E350247 - N295056E350041 -N295002E345736 and back to the first coordinate. From SFC to 4 000 FT.
2	Vertical limits	1. Western Section - From SFC to 5 000 FT. 2. Central Section - From SFC to 11 000 FT. 3. Eastern Section - From SFC to 4 000 FT.
3	Airspace classification	D

4	<i>ATS unit call sign Language(s)</i>	Ovda Tower English & Hebrew (See GEN. 3.4-2)
5	<i>Transition altitude</i>	Nil
6	<i>Remarks</i>	Nil

LLOV AD 2.18 ATS COMMUNICATION FACILITIES

<i>Service designation</i>	<i>Call sign</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Remarks</i>
1	2	3	4	5
TWR	Ovda Tower	119.75 MHz	As AD administration	Primary freq.
TWR (MIL)	Ovda Tower	129.900 MHz	H24	Secondary freq.
ATIS (INF)			As AD administration	On TWR Freq.

LLOV AD 2.19 RADIO NAVIGATION AND LANDING AIDS

<i>Type of aid, CAT of ILS/MLS</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Site of transmitting antenna coordinates</i>	<i>Elevation of DME trans- mitting antenna</i>	<i>Remarks</i>
1	2	3	4	5	6	7
TVOR/DME (4°E/2014)	OVD	114.100 MHz	H24	295757.58 N 0345644.0 E	1 400 FT	Coverage 20 NM
LOC 21 ILS CATI (4°E/2014)	VA	109.700 MHz	H24	295635.2 N 0345556.82 E	1447 FT	CH 34X
GP/DME 21 (4°E/2014)	Dots/Dashes	332.200 MHz	H24	295659.7 N 0345611.1E	1426 FT	

LLOV AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Ovda airport is not available without prior coordination with airport manager, except for medical evacuation and emergencies.

2. Ovda airport is not available as an alternate aerodrome.

2. Airport regulations

At Ovda Airport a number of local regulations apply. The regulations are collected in a manual which is available at the AIS briefing office. This manual includes, among other subjects, the following:

- a) the meaning of markings and signs;
- b) information about aircraft stands;
- c) information about taxiing from aircraft stands including taxi clearance;
- d) limitations in the operation of large aircraft including limitations in the use of aircraft's own power for taxiing.
- e) helicopter operations;
- f) marshaller assistance and towing assistance;
- g) use of engine power exceeding idle power;
- h) engine start-up and use of APU;
- i) fuel spillage; and
- j) precautions during extreme weather conditions.

Marshaller assistance can be requested and further information about the regulations can be obtained from the TWR.

The local regulation is of importance for the safe operation of aircraft on the apron. The information will be given to each aircraft by the TWR.

B-747 operations by prior permission from airport administration due infrastructure limitations

3. Taxiing to and from stands

Arriving aircraft will always be guided by the "Follow Me" vehicle and guided by the marshaller on the stand.

Departing IFR flights shall contact the TWR to obtain ATC clearance before commencing taxiing. Request for ATC clearance may take place at the earliest 10 minutes prior to engine start-up.

Frequency 129.900 MHZ.

**4. Parking area for small aircraft
(General aviation)**

General aviation aircraft shall be guided by marshaller to the civil apron.

5. Parking area for helicopters

Civil helicopters shall use the civil apron for landing, and parking.

6. Apron - taxiing during winter conditions

Nil

7. Taxiing - limitations

Insufficient safety distances restrict large aircraft's use of certain taxiways when using their own power. Further information will be given to each aircraft from the TWR.

Departing aircraft shall use minimal power on break-away from parking position.

**8. School and training flights
technical test flights - use of runways**

Nil

9. Helicopter traffic - limitation

Non-scheduled public air traffic with helicopter is permitted only after approval from the Ovda Aerodrome Administration. Any contact concerning the above shall be made via the handling company or directly to the Airport Office during the hours of service.

Any request for approval of traffic shall contain the following information:

- a) Owner/operator
- b) Type of helicopter, registration/call sign
- c) Date, arrival time/departure time, destination(s).

Furthermore, other details relevant to the evaluation of the request shall be given as required.

10. Removal of disabled aircraft from runways

Any aircraft involved in an accident shall be removed from the accident site only after obtaining permission of the chief investigator of aircraft accidents/incidents.

Pneumatic lifting bags can be supplied by the Israel Air-Force upon prior coordination with the Eilat Airport Administration.

When an aircraft is wrecked on a runway, it is the duty of the owner or user of such aircraft to have it removed from the runway as quickly as possible by the owner or user the aircraft will be removed by the aerodrome authority at the owner's or user's expense.

11. Cargo flights carrying dangerous goods

Cargo flights carrying dangerous goods are permitted to use Ovda airport by prior coordination and permission from Eilat airport administration only.

LLOV AD 2.21 NOISE ABATEMENT MONITORING & PROCEDURES

NIL

LLOV AD 2.22 FLIGHT PROCEDURES

1. General

Flights within Ovda CTR shall be in accordance with the Instrument Flight Rules (Charter) and with Controlled Visual Flight Rules (IDFAF flights).

2. Procedures for IFR flights within OVDA CTR

a) Arrival procedure

Nil

b) Departure procedure

According to standard instrument departure.

RWY 03R/21L may be available for takeoff by prior coordination with airport administration at least 120 minutes prior to takeoff.

Normally If approved, RWY 21L takeoff is permitted only from taxiway Q intersection, and RWY 03R takeoff is permitted only from taxiway M intersection (Remaining length 2400 m – Both RWY), or as instructed by ATC.

3. Procedures for CVFR flights within OVDA CTR

a) Arrival procedure: Arrival from the CVFR routes chart (Domestic AIP) shall be made as per Visual Approach Chart (AD 2.4-23).

From SIZFN ("Shizafon") maintain 3000 FT to runways, then join visual circuit pattern as instructed by ATC.

From KTORA ("Kibbutz Ketura") maintain 3000 FT to runways, then join visual circuit pattern as instructed by ATC.

From SAMAR ("Kibbutz Samar") maintain 3500 FT to runways, then join visual circuit pattern as instructed by ATC.

b) Departure procedure

To SIZFN ("Shizafon") - after takeoff climb 3500 FT to SIZFN, and contact HAGAV.

To KTORA ("Kibbutz Ketura") - after takeoff climb 4000 FT to KTORA, and contact HAGAV.

To SAMAR ("Kibbutz Samar") - climb 3000 FT to SAMAR, and contact EILAT TWR.

4. Communication Failure

- a) Set the transponder to Code 7600.
- b) Keep Transmitting ("Blind Transmission") on tower Frequency - 119.75 or 129.9 MHz, or on 121.5 MHz.
If Able, Contact tower by Telephone (+972-8-6323662) and inform tower about your intentions.
- c) If approach clearance already received:
 - 1) Complete the approach procedure to the designated runway.
 - 2) Land upon receiving green light or green pyrotechnic from tower.
 - 3) In case of red light or red pyrotechnic received from tower, or in case of Missed Approach:
 - 3.1) Follow Missed Approach procedure.
 - 3.2) Join the same approach again.
- d) If approach clearance was not received:
 - 1) Proceed to SHANI Fix at the last assigned altitude, but not higher than 7,000 feet.
 - 2) Perform and complete one full Holding pattern while descending to 5,000 feet.
 - 3) Cross SHANI Fix at 5,000 feet and perform ILS RWY 21R approach, according to AD 2.4-22.
 - 4) Determine the Runway in Use, observing the traffic pattern and/or the wind direction indicator ("Wind Sac").
 - 4.1) If determined that runway 21R in use, proceed and land upon receiving green light or green pyrotechnic from tower.
 - 4.2) If determined that runway 03L in use, perform "Circle to Land" according to AD 2.4-22 and land upon receiving green light or green pyrotechnic from tower.
 - 5) In case of red light or red pyrotechnic received from tower, or in case of Missed Approach:
 - 5.1) At day time **and** VMC, join the down-wind leg according to AD 2.4-23.
 - 5.2) At night time or in IMC, follow the missed approach procedure.

Take off minima for IFR Departures

A, B, C, D	All Rwys
	1500 m

LLOV AD 2.23 ADDITIONAL INFORMATION

1. Bird concentrations in the vicinity of the airport

TBD

2. Air Traffic Control for State Aircraft

Cargo flight operated by an aircraft defined as "STATE AIRCRAFT" according to article 175 (c) (1) to the Air Navigation Law, 2011, carrying dangerous goods, may be controlled by a military Air Traffic Controller.

LLOV AD 2.24 CHART RELATED TO AN AERODROME

Aerodrome Chart - ICAO	AD 2.4-11
Aircraft Parking Chart	AD 2.4-13
Aerodrome Obstacle Chart – ICAO Type A RWY 03L/21R	AD 2.4-15
Aerodrome Obstacle Chart – ICAO Type A RWY 03R/21L	AD 2.4-17
Standard Departure Chart Instrument (SID) RWYS 03, 21 (NORTHBOUND)	AD 2.4-19
Standard Departure Chart Instrument (SID) RWYS 21R, 21L	AD 2.4-20/O
Instrument Approach Chart VOR Z RWY 21R	AD2.4-21A
Instrument Approach Chart ILS RWY 21R	AD 2.4-22/O
Visual Approach Chart	AD 2.4-23
Visual Approach Chart - MARGO approach RWY 03L	AD 2.4-26
Visual Approach Chart - ROMIE approach RWY 03L	AD 2.4-28