

GEN 3.2 AERONAUTICAL CHARTS

1. Responsible services

The Civil Aviation Authority of the state of Israel (CAAI), provides a wide range of aeronautical charts for use by all types of civil aviation. Charts, suitable for preflight planning and briefing, are available for reference at the CAAI eAIP: ***Israel eAIP***; and also at aerodrome AIS units, (AIS addresses can be found in GEN 3.1). The charts are produced in accordance with the provisions contained in Annex 4 — Aeronautical Charts. Differences to these provisions are detailed in subsection GEN 1.7.

2. Maintenance of charts

2.1. The aeronautical charts included in the AIP are kept up to date by amendments to the AIP. Information concerning the planning for or issuance of new maps and charts is notified, when applicable, by Aeronautical Information Circular.

2.2. If incorrect information detected on published charts is of operational significance, it is corrected by NOTAM.

3. Purchase arrangements

The charts as listed under 5. of this subsection may be obtained either from:

Israel Online eAIP at, (Free of charge):

http://en.caa.gov.il/index.php?option=com_content&view=article&id=404&Itemid=268

Or from (only ENR 6.1 chart):

Gideon Dan Cartography Design Studio

Sapir Center, Building 3

Givat Shaul I.Z

Jerusalem 95464

Israel

TEL: 972 2 6520464

WEB: WWW.STUDIO-DAN.BIZ

4. Aeronautical chart series available

4.1. The following series of aeronautical charts are produced or will be produced in the future:

- a) Aerodrome/Heliport Chart — ICAO;
- d) Aerodrome Ground Movement Chart — ICAO;
- c) Aircraft Parking/Docking Chart — ICAO;
- d) Aerodrome Obstacle Chart — ICAO — Type A (for each runway);
- e) En-route Chart — ICAO;
- f) Area Chart — ICAO;
- g) Standard Departure Chart — Instrument (SID) — ICAO;
- h) Standard Arrival Chart — Instrument (STAR) — ICAO;
- i) Instrument Approach Chart — ICAO (for each runway and procedure type);
- j) Visual Approach Chart — ICAO.

The charts currently available are listed under 5. of this subsection.

4.2. General description of each series:

- a) *Aerodrome/Heliport Chart — ICAO*. This chart contains detailed aerodrome/heliport data to provide flight crews with information that will facilitate the ground movement of aircraft:

— from the aircraft stand to the runway; and

— from the runway to the aircraft stand;

and helicopter movement:

from the helicopter stand to the touchdown and lift-off area and to the final approach and takeoff area;

— from the final approach and take-off area to the touchdown and lift-off area and to the helicopter stand;

— along helicopter ground and air taxiways; and

— along air transit routes.

It also provides essential operational information at the aerodrome/heliport.

- b) *Aerodrome Ground Movement Chart- ICAO*. This chart is produced for those aerodromes where, due to congestion of information, details necessary for the ground movement of aircraft along the taxiways to and from the aircraft stands and for the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome/Heliport Chart — ICAO.
- c) *Aircraft Parking/Docking Chart — ICAO*. This chart is produced for those aerodromes where, due to the complexity of the terminal facilities, the information to facilitate the ground movement of aircraft between the taxiways and the aircraft stands and the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome/Heliport Chart — ICAO or on the Aerodrome Ground Movement Chart — ICAO.
- d) *Aerodrome Obstacle Chart — ICAO — Type A (operating limitations)*. This chart contains detailed information on obstacles in the take-off flight path areas of aerodromes. It is shown in plan and profile view. This obstacle information, in combination with an Obstacle Chart — ICAO — Type C, provides the data necessary to enable an operator to comply with the operating limitations of Annex 6, Parts I and II, Chapter 5.
- e) *Precision Approach Terrain Chart — ICAO*. This chart provides detailed terrain profile information

within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of the terrain on decision height determination by the use of radio altimeters. This chart is produced for all precision approach Cat II and III runways.

- f) *En-route Chart — ICAO.* This chart is produced for the entire Israel FIR, The aeronautical data include all aerodromes, prohibited, restricted and danger areas and the air traffic services system in detail. The chart provides the flight crew with information that will facilitate navigation along ATS routes in compliance with air traffic services procedures.
- g) *Area Chart — ICAO.* This chart is produced when the air traffic services routes or position reporting requirements are complex and cannot be shown on an En-route Chart — ICAO.

It shows, in more detail, those aerodromes that affect terminal routings, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will facilitate the following phases of instrument flight:

- the transition between the en-route phase and the approach to an aerodrome;
- the transition between the take-Off/missed approach and the en-route phase of flight; and
- flights through areas of complex ATS routes or airspace structure.

- h) *ATC Surveillance Minimum Altitude Chart — ICAO.* This chart is supplementary to the Area Chart and provides information which will enable flight crews to monitor and cross-check altitudes assigned while under radar control.
- i) *Standard Departure Chart -- Instrument (SID) — ICAO.* This chart is produced whenever a standard departure route — instrument has been established and cannot be shown with sufficient clarity on the Area Chart — ICAO.
The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure route — instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard departure route — instrument from the take-off phase to the en-route phase.
- j) *Standard Departure Route -- Visual.* This chart is produced whenever a standard departure route — Visual has been established. A standard departure route is aimed for controlled VFR flights which terminate at a significant point. The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will

enable them to comply with the designated route, from the take-off phase to the en-route phase.

- k) *Standard Arrival Chart — Instrument (STAR) — ICAO.* This chart is produced whenever a standard arrival route —instrument has been established and cannot be shown with sufficient clarity on the Area Chart — ICAO.
The aeronautical data shown include the aerodrome of landing, aerodrome(s) which affect the designated standard arrival route — instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard arrival route — instrument from the en-route phase to the approach phase.
- l) *Instrument Approach Chart — ICAO.* This chart is produced for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument Approach Chart — ICAO has been provided for each approach procedure.
The aeronautical data shown include information on aerodromes, prohibited, restricted and danger areas, radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, aerodrome operating minima, etc.
This chart provides the flight crew with information that will enable them to perform an approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.
- m) *Visual Approach Chart — ICAO.* This chart is produced for aerodromes used by civil aviation where:
- only limited navigation facilities are available; or
 - radio communication facilities are not available; or
 - no adequate aeronautical charts of the aerodrome and its surroundings at 1:500,000 or greater scale are available; or
 - visual approach procedures have been established.

The aeronautical data shown include information on aerodromes, obstacles, designated airspace, visual approach information, radio navigation aids and communication facilities, as appropriate.

5. List of aeronautical charts available

Those chart series marked by an asterisk (*) form part of the AIP

Those chart series marked by (**) the scale is approximated

| Title of series | Scale | Name and/or number | Price (NIS) | Date |
|--|-------------|--|--|--------------|
| En-route Chart — ICAO* | 1:400,000** | ENR 6-1 | 60.00 | Ref. GEN 0.4 |
| Standard Departure Chart — Instrument (SID) — ICAO* or Standard Departure Route – Visual* | 1:100,000** | <p>Ovda (LLOV) LLOV NURIT 1A,1B,2C,2D RWY 03L,03R,21L,21R LLOV NURIT 1E,1F, RWY 21L,21R</p> <p>Ben-Gurion (LLBG) LLBG RWY 12,26,30 ORLEV 1C,1E,1F LLBG RWY 12,30 DEMOV 1A,1B LLBG RWY 26 GEFEN 1A,1B LLBG RWY 12,26,30 PIDET 1C,1E,1F, RIPUD 1E,1F LLBG RWY 08 MERVA 1B, GITLA 1B, SUVAS 1B, SALAM 4B, TOMAL 4B LLBG RWY 12 MERVA 1C, GITLA 1C, SUVAS 1C, SALAM 4C, TOMAL 4C LLBG RWY 26 MERVA 1E, GITLA 1E, SUVAS 1E, SALAM 4E, TOMAL 4E LLBG RWY 30 MERVA 1F, GITLA 1F, SUVAS 1F, SALAM 4F, TOMAL 4F LLBG RWY 03, 08, 12, 21 NAT 1A,1B,1D, PURLA 2G</p> <p>Eilat/Ilan & Asaf Ramon (LLER) LLER RWY 01 NURIT 1F LLER RWY 01 NURIT 1H LLER RWY 19 NURIT 1K LLER RWY 19 NURIT 1M LLER RWY 19 NURIT 1J LLER RWY 19 NURIT 1N</p> | Part of the IAip and NOT sold separately | Ref. GEN 0.4 |

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| <p>Standard Arrival Chart — Instrument (STAR) — ICAO*</p> | <p>1:150,000**</p> | <p>Haifa (LLHA) LLHA RWY 16,34 GALIM 1A 1B</p> <p>Ben-Gurion (LLBG) LLBG RWY 08 SOLIN 3A, 3B LLBG RWY 12 TOMAL 2C, SALAM 2C LLBG RWY 30 TOMAL 2F, SALAM 2F LLBG RWY 30 TOMAL 2H, SALAM 2H LLBG RWY 26 TOMAL 2E, SALAM 2E LLBG RWY 12, 30 DEMOV 1A, 1B LLBG RWY 21 GEFEN 1A, 1B LLBG RWY 26 GEFEN 1C, 1D LLBG RWY 30 GEFEN 1E, 1F LLBG RWY 30 GEFEN 1G, 1H</p> <p>Eilat/Ilan & Asaf Ramon (LLER) LLER RWY 01 NURIT 1B LLER RWY 01 NURIT 1D</p> | <p>Part of the IAip and NOT sold separately</p> | <p>Ref. GEN 0.4</p> |
| <p>Instrument Approach Chart — (IAC) - ICAO*</p> | <p>1:250,000**</p> | <p>Ovda (LLOV) LLOV VOR Z RWY 21R LLOV ILS RWY 21R</p> <p>Ben-Gurion (LLBG) LLBG ILS RWY 12 LLBG ILS RWY 08 LLBG ILS RWY 21 LLBG RNP RWY 26 LLBG RNP Y RWY 21 LLBG RNP X RWY 21 LLBG RNP X RWY 30 LLBG ILS X RWY 26 LLBG RNP Y RWY 30 (AR) LLBG RNP RWY 12 LLBG ILS RWY 30 LLBG RNP RWY 08 LLBG RNP Z RWY 30</p> <p>Eilat/Ilan & Asaf Ramon (LLER) LLER RNP Z RWY 01 LLER RNP RWY 19 LLER ILS Z RWY 01 LLER ILS RWY 19 LLER (RNAV VIS) RWY 01 LLER (RNAV VIS) RWY 19</p> | | |

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| <p>Visual Approach Chart — ICAO* (VAC)</p> | <p>1:250,000**</p> | <p>Haifa (LLHA) LLHA VISUAL CIRCUIT CHART Ovda (LLOV) LLOV VISUAL CIRCUIT CHART LLOV MARGO Visual RWY 03L LLOV ROMIE Visual RWY 03R Ben-Gurion (LLBG) LLBG NAMIM APCH RWY 21 LLBG GAVRI APCH RWY 30 LLBG DONAG APCH RWY 30 LLBG VISUAL APCH CHART Nevatim AFB/NEGEV (LLNV) LLNV Visual APCH Chart</p> | <p>Part of the IAip and NOT sold separately</p> | <p>Ref. GEN 0.4</p> |
| <p>Aerodrome/Heliport Chart — ICAO* (AC)</p> | <p>1:10,000**</p> | <p>Haifa (LLHA) LLHA AERODROME CHART Ovda (LLOV) LLOV AERODROME CHART Ben-Gurion (LLBG) LLBG AERODROME CHART Eilat/Ilan & Asaf Ramon (LLER) LLER AERODROME CHART Nevatim AFB/NEGEV (LLNV) LLNV AERODROME CHART</p> | <p>Part of the IAip and NOT sold separately</p> | <p>Ref. GEN 0.4</p> |
| <p>Aircraft Parking/Docking Chart — ICAO* (APDC)</p> | <p>1:5,000**</p> | <p>Haifa (LLHA) LLHA Aircraft Parking Chart LLHA Aircraft Parking Chart Apron G LLHA Aircraft Parking Chart Apron N Ovda (LLOV) LLOV Aircraft Parking Chart Ben-Gurion (LLBG) LLBG Aircraft parking/docking chart Terminal 1 LLBG Aircraft parking/docking chart Apron V LLBG Aircraft parking chart - Terminal 3 LLBG Aircraft parking chart - Terminal 3 – Apron H, X Eilat/Ilan & Asaf Ramon (LLER) LLER Aircraft Parking Chart Apron U</p> | <p>Part of the IAip and NOT sold separately</p> | <p>Ref. GEN 0.4</p> |

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| | | LLER Aircraft Parking Chart Apron R, S, T LLER Aircraft Parking Chart Apron V | Part of the IAip and NOT sold separately | Ref. GEN 0.4 |
| Aerodrome Obstacle Chart — Type A — ICAO* (for each runway); | 1:10,000** | Haifa (LLHA) LLHA AERODROME OBSTACLE CHART – TYPE A RWY 16/34 Ovda (LLOV) LLOV AERODROME OBSTACLE CHART – TYPE A RWY 03L/21R LLOV AERODROME OBSTACLE CHART – TYPE A RWY 03R/21L Ben-Gurion (LLBG) LLBG AERODROME OBSTACLE CHART – TYPE A RWY 03/21 LLBG AERODROME OBSTACLE CHART – TYPE A RWY 08/26 LLBG AERODROME OBSTACLE CHART – TYPE A RWY 12/30 | Part of the IAip and NOT sold separately | Ref. GEN 0.4 |

6. Index to the World Aeronautical Chart (WAC) - ICAO 1:1 000 000

The state of Israel is currently NOT publishing WAC chart and chart index. Please refer to GEN 1.7 - Difference from ICAO Standards, Recommended Practices and Procedures.

7. Topographical charts

To supplement the aeronautical charts, a wide range of topographical charts is available from:

Survey of Israel
Lincoln 1 St, Po. Box 14171
Tel Aviv 6522000.
TEL: +972-3-6231969
Telefax: +972-3-6231958
Email Address: aviayet@mapi.gov.il