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**AIP JORDAN
AMENDMENT 63/2012
01 FEB 2012**

1. Insert the attached new or replacement pages dated 01 FEB 2012 in accordance with the new checklist, new or replacement pages are indicated by a star * against the relevant page numbers in the checklist.

→ This bar and arrow are inserted on reprint pages to indicate any changes that have been incorporated

2. Record entry of Amendment on page GEN 0.2-1.

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ENR 1.3 INSTRUMENT FLIGHT RULES

1. IFR DEPARTURES

- Traffic departing Amman/Marka or Amman/Queen Alia Aerodromes for ATS routes, will follow the normal Standard Instrument Procedures (SIDs).
- Traffic departing Amman/Marka or Amman/Queen Alia Aerodromes for flights off airways are expected to follow the SID track and level restrictions to leave controlled airspace at QATRANEH, LUDAN, KULDI, OSAMA or MOUAB.

With prior permission, traffic may also follow SIDs tracks but leave below the base of controlled airspace.

1.5.6 HOLDING

- 1.5.6.1** Maximum holding level for BAKIR is FL180 and the upper limit for Aqaba Approach Area is 13000 FT ALT. Minimum holding level for BAKIR is 8000 FT, 7000 FT ALT may be used for emergency
- 1.5.6.2** Holding for VFR traffic at RAS-ENNAQAB with minimum holding ALT 7000 FT and maximum holding ALT 8500 FT inbound track 200 turn right outbound for one minute outbound leg
- 1.5.6.3** Holding for VFR traffic at EL -QUWEIRA only ALT 6500 FT and inbound track 235 turn left outbound for one minute outbound leg.

OVERFLYING TRAFFIC

Overflying traffic entering Aqaba Approach at 13000 FT ALT or below shall contact Aqaba Approach 10 minutes before METSA or QATIM and remain under their control until passing the boundary of Aqaba Approach Control.

AIRSPACE CLASSIFICATIONS

Aqaba Approach airspace is classified as class "C" airspace.

2. ARRIVING FLIGHTS

2.1 GENERAL

Arrival control is provided by Amman Approach Control within the Terminal Control Area from FL150- 6000 FT.

2.2 Arriving Flights

Aircraft inbound to Amman/Queen Alia International will follow Standard Arrival Routes (STARS). Strict adherence to these routes is essential as procedural separation between inbound and outbound aircraft is based on these criteria.

2.3 Radio Failure

2.3.1 Westerly Operations

In case of communication failure, the designated navigation aid to be used for holding is QAA VOR. After arrival over the QAA commence descent at or as close as possible to the EAT last received and acknowledged or as close as possible to the ETA given by the current Flight Plan if no EAT has been received.

Amman/Queen Alia

→ Amman/Queen Alia Arrivals will complete the normal Instrument Approach Procedure published for the QAA VOR and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

Amman/Marka

Amman/Marka arrivals will descend in the QAA holding pattern. When leveling 6000 FT set course for AMN on AMN R162 to commence the normal instrument approach procedure published for the AMN VOR and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

2.3.2 Easterly Operations A412

In case of communication failure, the designated navigation aids to be used for holding is the AMN VOR for inbound on **A412** through LUDAN. After arrival over the AMN commence descent at or as close as possible to the ETA given by the current Flight Plan if no EAT has been received.

Amman/Marka

Amman/Marka arrivals will complete the normal instrument approach procedure published for the AMN VOR and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

Amman/Queen Alia

→ Amman/Queen Alia Arrivals will continue in accordance with LUDAN 3 A STAR profile then down to 6000 FT to carry out MDB NDB instrument approach procedure and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

2.3.3 Easterly Operations R652

In case of communication failure, the designated navigation aid to be used for holding is the QTR VOR for inbound on R652 via QTR and KULDI. After arrival over QTR commence descent to ALT 11000 FT at or as close as possible to the EAT last received and acknowledged or as close as possible to the ETA given by the current Flight Plan. If no EAT has been received when leveling ALT 11000 FT proceeds as follows: -

Amman/Marka

- Amman/Marka arrivals will continue in accordance with the STAR QATRANEH or KULDI 5A profile and carry out the procedure published for the AMN VOR and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

Amman/Queen Alia

- Amman/Queen Alia Arrivals will continue in accordance with the QATRANEH and KULDI 3A STAR profile to carry out the MDB NDB Instrument Approach Procedure and land if possible within 30 minutes of the last acknowledged EAT or ETA whichever is later.

2.4.1 Take off weather minimums for IFR flights using Amman/Queen Alia Amman/Marka and Aqaba/ King Hussein International Aerodromes are as follows:

AIRCRAFT CAT A AND B RVR 400M / VIS 1500M.

AIRCRAFT CAT C AND D RVR 400M / VIS 800M.

3. DEPARTING FLIGHTS

3.1 GENERAL

→ Departure Control is provided by Amman Approach Control within the Terminal Control Area from 6000 FT to FL 150.

3.2 All IFR aircraft departing from Amman/Queen Alia INTL Aerodrome and Amman/Marka INTL Aerodrome, to call 5 minutes before ready to start engines and to pass total number of persons on board.

3.3 If no delay expected a standard clearance would be issued before start up, Aircraft will then request start up clearance when ready.

3.4 If the aircraft is unable to achieve the SID profile, nonstandard clearance should be requested.

3.5 RADIO FAILURE

Aircraft experiencing radio failure, in the departure phase within the terminal area, will climb to the level specified in the clearance, If no time or geographical limit was included in the clearance, maintain level for 3 minutes then continue climb to the Flight Level specified in the current Flight Plan after passing the terminal Exit point i.e.: LUDAN, KULDI or QATRANEH.

4. TERMINAL PROCEDURES AMMAN/Marka

WESTERLY DEPARTURES AMMAN/Marka RWY 24

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 4D	Climb on runway heading to ALT 5000FT then turn right to AMN VOR, intercept AMN R080 to LOXER then turn left to establish QAA R029 to LOSAR.	Cross d7 AMN R080 8500FT or above. Cross LOXER 9000FT or above. Cross LOSAR 13000FT or at assigned level.
LUDAN 4D	Climb on runway heading to ALT 5000FT then turn right to AMN VOR intercept AMN R080 to LOXER then to LUDAN.	Cross d7 AMN R080 8500FT or above. Cross LUDAN 11000FT or above or at assigned level.
QTR 4D	Climb on runway heading then turn left to intercept AMN R209 to MDB NDB intercept QTR R336 to QTR.	Climb on runway heading to 5000FT. Cross AMN 10d (R 209) 7000FT or above. Cross QTR 9000FT or above climb to assigned level.
KULDI 4D	Climb on runway heading Turn left to intercept AMN R209 to MDB NDB intercept QTR R336 to QTR turn left to intercept QTR R077 to KULDI.	Climb on runway heading to 5000FT. Cross AMN 10d (R 209) 7000FT or above. Cross QTR 9000FT or above. Cross KULDI FL150 or at assigned level.
OSAMA 4D	Climb on track to 10d AMN/VOR, then turn right track 270 DEG, proceed to OSAMA then SALAM.	Cross 14.5d AMN R250 at 6000FT or above. Cross OSAMA Maintaining 8000FT.
MOUAB 4D	Climb on runway heading proceed to MOUAB then turn right to track 286 to TALMI	Cross 15d. AMN on runway heading at 6000FT or above. Cross MOUAB at 11000FT or above. Cross TALMI 12000FT.

NOTE 1: Aircraft unable to comply with the SID profile restrictions MUST request NON-STANDARD departure clearance on start up. Aircraft unable to achieve SID profile restrictions when airborne should carry out the following
 → CONTINGENCY - Turn left or right as appropriate at 5000 FT fly to AMN/DVOR to enter the holding pattern.

NOTE 2: Departure traffic on OSAMA SID and MOUAB SID shall call TEL-AVIV ACC on FREQ 132.05 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establish contact with TEL- AVIV ACC.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED.

RMK: See related chart (AD 2-31).

WESTERLY ARRIVALS AMMAN / Marka RWY 24

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 4A	At LOSAR intercept QAA R029 to QAA. Intercept AMN R160 to AMN/VOR.	Cross LOSAR 13000FT or above. Cross LOXER 9000FT or above. Cross 10d QAA(R029) 8500FT
LUDAN 4A	At LUDAN intercept QAA R048 to QAA. Intercept AMN R160. REPORT QAA 20d.	Cross LUDAN 11000FT or above. Cross QAA 13d 8500FT.
QTR 4A	At QTR intercept QAA R186 to QAA. Intercept AMN R160 to AMN. REPORT QAA 15d.	Cross QTR 9000FT or above. Cross QAA 15d 7000FT .
KULDI 4A	At KULDI intercept QAA R140 to QAA. Intercept AMN R 160 to AMN. REPORT QAA 20d.	Cross KULDI FL150 or above. Cross QAA 15d R140 7000FT or above.
SALAM 4A	At SALAM intercept AMN R259, proceed to AMN/VOR	Cross SALAM 11000 FT. Cross AMN 13d R259 6000 FT or above.
ELOXI 4A	AT ELOXI intercept QAA R105. Intercept AMN R160 to AMN/VOR.	Cross ELOXI FL150. Cross ALNOR 7000FT or above. Cross QAA 6000FT.

NOTE: Follow ATC descent clearance instructions. But not below published profiles which are minimum safety profiles.

AMMAN INBOUND TRAFFIC WILL BE INITIALLY CLEARED TO QAA TO AWAIT ONWARD CLEARANCE.

RMK: See related chart (AD 2-35).

EASTERLY DEPARTURS AMMAN/Marka RWY 06

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 5D	Climb on track to AMN Turn left to re-cross AMN /VOR, intercept QAA R340 to QAA. Turn left to intercept QAA R029 to LOXER then to LOSAR	Cross AMN above 4000FT Turn left climbing to re-cross AMN at 5500FT or above. Cross QAA at 6000FT or above. Cross QAA 10d (R029) 8500FT or above. Cross LOXER 9000FT or above. Cross LOSAR 13000FT at assigned level.
LUDAN 5D	Climb on track to AMN Turn left to re-cross AMN /VOR, intercept QAA R340 to QAA. Turn left to intercept QAA R048 to LUDAN .	Cross AMN above 4000FT Turn left climbing to re-cross AMN at 5500FT or above. Cross QAA at 6000FT or above. Cross QAA 13d (R048) 8500FT. Cross LUDAN 11000FT or at assigned level.
QTR 5D	Climb on track to AMN turn left to depart AMN. Intercept QAA R340 to QAA. Turn Right to intercept QTR R006 to QTR.	Cross AMN above 4000FT turn left climbing to re cross AMN at 5500FT or above. Cross QAA at 6000FT or above. Cross 15d QAA R186 7000FT or above. Cross QTR at 9000FT or at assigned level.
KULDI 5D	Climb on track to AMN turn left to depart AMN. Intercept QAA R340 to QAA Turn left to intercept QAA R140 to KULDI.	Cross AMN above 4000FT turn left climbing to re-cross AMN at 5500FT. Cross QAA at 6000FT or above. Cross 15d QAA R140 7000FT or above. Cross KULDI FL150 or at assigned level.
OSAMA 5D	Climb on track to AMN/VOR then turn right to track 270. Then proceed to OSAMA then proceed to SALAM.	Cross AMN/VOR at 4000FT or above. Cross AMN R180 at 5000FT or above. Cross AMN 14.5d R250 at 6000FT or above. Cross OSAMA maintaining 8000FT.
MOUAB 5D	Climb on track to AMN/VOR then turn right to track 270 to intercept AMN R239 to MOUAB then turn right to track 286 to TALMI	Cross AMN/VOR at 4000FT or above. Cross AMN R180 at 5000FT or above. Cross AMN 15d. R241 at 6000FT or above. Cross MOUAB at 11000FT or above Cross TALMI 12000FT.

NOTE 1: Turn must be completed within 5d. AMN/VOR/DME to avoid OJD2.

NOTE 2: All departures shall call TEL-AVIV ACC on FREQ 121.4 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establishing contact with TEL-AVIV ACC.

NOTE 3: Low level arrival traffic from BEN-GURION to AMMAN or Queen Alia Airports shall follow SALAM STAR profile.

NOTE 4: Aircraft unable to comply with the SID profile restrictions MUST request NON-STANDARD departure clearance on start up.

Aircraft unable to achieve SID profile restrictions when airborne should carry out the following CONTINGENCY - Turn left or right as appropriate at 5000 FT fly to AMN/DVOR to enter the holding pattern.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED.

RMK: See related chart (AD 2-31A).

→ **EASTERLY ARRIVALS AMMAN/Marka RWY 06**

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 5A	At LOSAR intercept QAA R029 at LOXER intercept AMN R080 to AMN/DVOR.	Cross LOSAR 13000 FT or above. Cross LOXER 9000FT or above. Cross AMN 07d (R080) 8500 FT .
LUDAN 5A	At LUDAN intercept AMN R080 to AMN. REPORT OVER LOXER.	Cross LUDAN 11000 FT or above. Cross AMN 07d (QAA R010) 8500 FT .
QTR 5A	At QTR turn left to intercept QTR R336. Intercept AMN R209 to AMN. REPORT 10d Inbound AMN VOR.	Cross QTR 9000FT or above. Cross QTR 15d R336 7000FT or above. Cross AMN 10d R209 7000FT or above.
KULDI 5A	At KULDI establish QTR R077 to QTR turn right to intercept QTR R336 intercept AMN R209 to AMN. REPORT 15d INBOUND AND OUTBOUND QTR/DVOR.	Cross KULDI FL150 or above. Cross QTR 9000 FT or above. Cross QTR 15d R336 7000FT. Cross AMN 10d R209 7000FT or above.
SALAM 5A	At SALAM Intercept AMN R259, proceed to AMN/DVOR.	Cross SALAM 11000 FT. Cross AMN 13d R259 6000 FT .
	RT 13d INBOUND TO AMN/DVOR.	

→ **NOTE:** Follow ATC decent clearance instructions but not below published profiles, which are Minimum safety profiles. Initial holding clearance may be issued for QTR or AMN.

RMK: See related chart (AD 2-35A).

**5. TERMINAL PROCEDURES AMMAN/Queen Alia
WESTERLY DEPARTURES AMMAN/Queen Alia RWY 26L**

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 2D	Climb on track until crossing 13.5d QAA. Turn right to intercept AMN R209 to AMN . intercept AMN R080 to LOXER. Turn left to intercept QAA R029 to LOSAR	Cross QTR VOR R341 (AMN R206) (13.5d QAA) at 3200FT or above. Cross AMN 10d R209 7000FT or above. Cross 07d AMN (R080) 8500 FT or above. Cross LOXER 9000FT or above. cross LOSAR 13000FT or at assigned level.
LUDAN 2D	Climb on track until crossing 13.5d QAA. Turn right to intercept AMN R209 to AMN . intercept AMN R080 to LUDAN	Cross QAA 13.5d at 3200FT or above. Cross AMN 10d R209 7000FT or above. Cross AMN 07d R080 8500FT or above. Cross LUDAN 11000FT or at assigned level.
QTR 2D	Climb on track until crossing 13.5d QAA turn left to intercept QTR R336 to QTR	Cross QAA 13.5d at 3200FT or above. Cross QTR 15d R336 7000FT or above. Cross QTR at 9000 FT or at assigned level.
KULDI 2D	Climb on track until crossing 13.5d QAA turn left to intercept QTR R336 to QTR . turn left to intercept QTR R077 to KULDI	Cross QAA 13.5d at 3200FT or above. Cross QTR 15d R336 7000FT or above. Cross QTR at 9000FT Cross KULDI FL150 or above or at assigned level.
OSAMA 2D	Climb on track until crossing 13.5d QAA then turn right on track 315 to OSAMA then turn left on track 270 to SALAM.	Cross 13.5d QAA or AMN R206 at 3200FT or above. Cross QAA 21d R277 at 7000FT or above. Cross OSAMA at 8000FT .
MOUAB 2D	Climb on track to 13.5d QAA turn right to intercept MDB track 291 to MOUAB then turn left on track 286 to TALMI.	Cross QAA 22d R269 at 7000 FT or above. Cross MOUAB 11000FT or above. Cross TALMI 12000FT.

NOTE 1: Aircraft t unable to comply with SID profile restrictions MUST request NONSTANDARD departure clearance on start up.

Aircraft unable to achieve SID profile restrictions when airborne should carry out the following

→ CONTINGENCY - Turn left or right as appropriate at 5000 FT fly to AMN/ DVOR to enter the holding pattern.

NOTE 2: In case of VFR traffic flying on V1 Corridor between GHARBIYA and QUARRY, ATC shall instruct → the appropriate departure traffic to maintain on track until passing MDB/NDB or passing ALT 5000 FT.

NOTE 3: Departure traffic on OSAMA SID and MOUAB SID shall call TEL-AVIV ACC on FREQ 132.05 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establish contact with TEL- AVIV ACC.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED.

RMK: See related chart (AD 2-31C).

WESTERLY ARRIVALS AMMAN /Queen Alia RWY 26R/26L

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 2A	At LOSAR ,intercept QAA R029 to LOXER then to QAA/VOR	Cross LOSAR 13000FT or above. Cross LOXER at 9000FT. Cross QAA 10d(R029) 8500 FT
LUDAN 2A	At LUDAN intercept QAA R048 to QAA. REPORT QAA 20d.	Cross LUDAN 11000FT or above. Cross QAA 13d R048 8500 FT.
QTR 2A	At QTR intercept QAA R186 to QAA..	Cross QTR 9000FT or above. Cross QAA 15d R186 7000 FT.
KULDI 2A	At KULDI intercept QAA R140 to QAA. REPORT QAA 20d.	Cross KULDI FL150 or above. Cross QAA 15d R140 7000FT.
SALAM 2A	AT SALAM intercept AMN R259 to AMN then turn right to intercept AMN R160 to QAA.	Cross SALAM 11000FT. Cross AMN 10d R160 at 6000 FT .
ELOXI 2A	AT ELOXI intercept QAA R105 to QAA	Cross ELOXI FL150. Cross ALNOR 7000FT.

NOTE: A/C not able to comply with STAR profile. It will be subject to radar control.
Report 25nm QAA/VOR.

NOTE: Follow ATC descent clearance instructions. But not below published profiles, which are Minimum safety profiles.

RMK: See related chart (AD 2-35A).

EASTERLY DEPARTURES AMMAN / Queen Alia RWY 08L

ROUTE	NAVIGATIONS	ALT/FL RESTRICTIONS
LOSAR 3D	Climb on track until crossing 3.1d QAA turn left to intercept QAA R029 to LOXER. Continue to LOSAR.	Climb to cross AMN R174 (3.1d QAA/VOR/DME) at 3200FT .cross 10d QAA(R029) at 8500FT or above, Cross LOXER 9000FT. cross LOSAR 13000FT or at assigned level.
LUDAN 3D	Climb on track until crossing 3.1d QAA turn left to intercept QAA R048 to LUDAN	Climb to cross 3.1d QAA at 3200FT cross QAA 13d R048 at 8500FT or above, Cross LUDAN 11000FT or at assigned level.
QTR 3D	Climb on track until crossing 3.1d QAA turn right to intercept QAA R186 to QTR	Climb to cross 3.1d QAA at 3200FT or above, Cross QAA 15d R186 7000FT or above. Cross QTR 9000 FT or at assigned level.
KULDI 3D	Climb on track until crossing 3.1d QAA turn right to intercept QAA R140 to KULDI	Climb to cross 3.1d QAA at 3200FT. Cross QAA 15d R140 7000FT or above. Cross KULDI FL150 or at assigned level.
OSAMA 3D	Climb on track until crossing 3.1d QAA then turn left to intercept QAA R289 proceed to OSAMA, Then turn left on track 270 to SALAM.	Cross 3.1d QAA at 3200FT. Cross QAA 12d R290 at 6000FT or above. Cross OSAMA maintaining 8000FT.
MOUAB 3D	Climb on track until crossing 3.1d QAA. Turn left to intercept QAA R273 proceed to MOUAB then turn right on track 286 to TALMI.	Cross 3.1d QAA at 3200FT. Cross QAA 12d R274 at 6000FT or above. Cross MOUAB 11000FT or above. Cross TALMI 12000FT.

NOTE 1: Aircraft unable to comply with the SID profiles restrictions MUST request NONSTANDARD departure clearance on start up.

Aircraft unable to achieve SID profile restrictions When airborne should carry out the following CONTINGENCY.

→ Turn left or right as appropriate at 5000 FT fly to AMN/ DVOR to enter the holding pattern.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED

NOTE 2 : In case of VFR traffic flying on V1 Corridor between GHARBIYA and QUARRY, departing traffic shall maintain on track until passing 5000 FT QNH, or until passing by QAA/VOR or abeam QAA/VOR.

NOTE 3: Departure traffic on OSAMA SID and MOUAB SID shall call TEL-AVIV ACC on FREQ 132.05 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establish contact with TEL- AVIV ACC.

RMK: See related chart (AD 2-31).

EASTERLY ARRIVALS AMMAN /Queen Alia RWY 08R/08L

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 3A	At LOSAR intercept QAA R029. At LOXER turn right to intercept AMN R080. At AMN turn left to intercept R209 to MDB NDB.	Cross LOSAR 13000FT or above cross LOXER 9000FT .Cross AMN 07d (R080) 8500FT. Cross AMN 10d (R209) 7000 FT.
LUDAN 3A	At LUDAN intercept AMN R080. At AMN turn left to intercept AMN R209 proceed to MDB NDB. REPORT over LOXER	Cross LUDAN 11000FT or above Cross AMN 07d R080 8500FT . Cross AMN 10d R209 7000 FT .
QTR 3A	At QTR turn left to intercept QTR R336 to MDB NDB. REPORT 15d OUTBOUND QTR VOR.	Cross QTR 9000FT or above Cross QTR 15d R336 at 7000 FT.
KULDI 3A	AT KULDI establish QTR R077 to QTR then turn right to intercept QTR R336 to MDB NDB. REPORT 15d OUTBOUND QTR VOR.	Cross KULDI FL150 or above Cross QTR 9000 FT or above. Cross QTR 15d R336 at 7000FT.
SALAM 3A	At SALAM intercept AMN R259 to AMN. turn right to intercept AMN R209 to MDB/NDB.	Cross SALAM 11000FT. Cross AMN 10d R209 7000FT.

NOTE: Initial holding clearance may be issued for QTR or AMN follow ATC descent clearance instructions, but not below published profiles which are minimum safety profiles.

RMK : See related chart (AD 2-35) .

WESTERLY DEPARTURE AMMAN/Queen Alia RWY 26R

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 2D	Climb on track until crossing (14d QAA) then turn right to intercept AMN R209 to AMN/VOR intercept AMN R080 to LOXER .then turn left to intercept QAA R029 to LOSAR.	Cross 14d QAA (AMN R206) at 3200FT . Cross AMN 10d (R209) 7000FT or above. Cross AMN 07d (R080) 8500FT or above .Cross LOXER 9000FT. Cross LOSAR 13000FT or at assigned level.
LUDAN 2D	Climb on track until crossing QAA 14d . then turn right to intercept AMN R209 to AMN intercept AMN R080 to LUDAN .	Cross 14d QAA at 3200 FT . Cross AMN 10d R209 7000FT or above. Cross AMN 07d R080 8500FT or above. .Cross LUDAN 11000FT or at assigned level.
QTR 2D	Climb on track until 14d QAA , then turn left to intercept QTR R336 to QTR .	Cross 14d QAA at 3200FT . Cross QTR 15d R336 7000FT or above. Cross QTR at 9000FT. or at assigned level.
KULDI 2D	Climb on track until 14d QAA ,turn left to intercept QTR R336 to QTR , then turn left to intercept QTR R077 To KULDI .	Cross 14d QAA at 3200 FT . Cross QTR 15d R336 7000FT or above. Cross QTR 9000FT or above. Cross KULDI FL150 or at assigned level.
MOUAB 2D	Climb on track to MDB/NDB, turn right to intercept MDB track 291 to MOUAB then turn left on track 286 to TALMI .	Cross QAA 22d R269 at 7000 FT or above. Cross MOUAB 11000FT or above. Cross TALMI maintaining 12000FT.
OSAMA 2D	Climb on track until crossing 14d QAA , then turn right on track 315 to OSAMA then turn left on track 270 to SALAM .	Cross 14d QAA at 3200FT . Cross QAA 21d R277 at 7000FT or above. Cross OSAMA maintaining 8000FT .

NOTE 1: Aircraft unable to comply with SID profile restrictions MUST request NONSTANDARD departure clearance on start up.

→ Aircraft unable to achieve SID profile restrictions When airborne should carry out the following CONTINGENCY - Turn left or right as appropriate at 5000 FT fly to AMN /DVOR to enter the holding pattern.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED

NOTE 2 : In case of VFR traffic flying on V1 Corridor between GHARBIYA and QUARRY, departing traffic shall maintain on track until passing 5000 FT QNH, or until passing by MDB/NDB or abeam MDB/NDB.

NOTE 3: Departure traffic on OSAMA SID and MOUAB SID shall call TEL-AVIV ACC on FREQ 132.05 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establish contact with TEL- AVIV ACC.

RMK : See related chart (AD 2-31B) .

EASTERLY DEPARTURES AMMAN / Queen Alia RWY 08R

ROUTE	NAVIGATION	ALT/FL RESTRICTIONS
LOSAR 3D	Climb on track to QA/NDB then turn left to intercept QAA R029 to LOXER .then to LOSAR	Climb to Cross QA NDB 3200 FT. Cross (QAA 10d R029) 8500 FT or above. Cross LOXER 9000 FT. Cross LOSAR 13000FT or at assigned level.
LUDAN 3D	Climb on track to QA/NDB then turn left to intercept QAA R048 to LUDAN .	Climb to Cross QA NDB 3200FT . Cross QAA 13d R048 8500 FT or above. Cross LUDAN 11000FT or at assigned level.
QTR 3D	Climb on track to QA/NDB then turn right to intercept QAA R186 to QTR .	Climb to cross QA NDB at 3200FT . Cross QAA 15d R186 7000 FT or above. Cross QTR 9000 FT or at assigned level
KULDI 3D	Climb on track to QA/NDB then turn right to intercept QAA R140 to KULDI .	Climb to cross QA NDB 3200 FT or above. Cross QAA 15d R140 7000FT or above .Cross KULDI FL150 or at assigned level.
MOUAB 3D	Climb on track to QA/NDB. Turn left to intercept QAA R273 proceed to MOUAB then turn right on track 286 to TALMI .	Cross QA/NDB at 3200FT or above. Cross QAA 12d R274 at 6000FT or above. Cross MOUAB 11000FT or above. Cross TALMI 12000FT.
OSAMA 3D	Climb on track to QA/NDB then turn left to intercept QAA R289 proceed to OSAMA , then turn left on track 270 to SALAM.	Cross QA/NDB at 3200FT or above. Cross QAA 12d R290 at 6000FT or above. Cross OSAMA maintaining 8000FT .

NOTE 1: Aircraft unable to comply with the SID profiles restrictions MUST request NONSTANDARD departure clearance on start up.

→ Aircraft unable to achieve SID profile restrictions When airborne should carry out the following CONTINGENCY - Turn left or right as appropriate at 5000 FT fly to AMN/DVOR to enter the holding pattern.

ADVISE ATC IMMEDIATELY THE CONTINGENCY IS COMMENCED.

NOTE 2: In case of VFR traffic flying on V1 Corridor between GHARBIYA and QUARRY, departing traffic shall maintain on track until passing 5000 FT QNH, or until passing by QAA/VOR or abeam QAA/VOR.

NOTE 3: Departure traffic on OSAMA SID and MOUAB SID shall call TEL-AVIV ACC on FREQ 132.05 MHz as early as possible and in any case should not cross 10 NM East of SALAM or TALMI without establish contact with TEL- AVIV ACC.

RMK: See related chart (AD 2-31A)

ENR 3 ATS ROUTES
ENR 3.1 LOWER ATS ROUTES

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<u>A412</u> (RNAV5) ▲ <u>QUEEN ALIA DVOR/DME (QAA)</u> 314423.41N 0360926.59E	<u>048°</u> 228° 30NM	<u>UNL</u> ALT 9000FT ALT 8500FT CLASS A+C				AMMAN ACC WEST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL
▲ <u>LUDAN</u> 320256.60N 0363713.29E	<u>048°</u> 228° 9NM	<u>UNL</u> 11000 FT ALT ALT 11000FT CLASS A+C				
▲ <u>KUPRI</u> 320825.87N 0364530.21E	<u>048°</u> 228° 6NM	<u>UNL</u> 13000 FT ALT ALT 13000FT CLASS A+C	10NM	↓	↑	AMMAN APPROACH AMMAN APP 128.9 MHZ
Δ <u>ASLON</u> 321211.02N 0365111.25E	<u>048°</u> 228° 25NM	<u>UNL</u> 13000 FT ALT ALT 13000FT CLASS A+C				AMMAN APPROACH AMMAN APP 128.9 MHZ MNM ALT OVER QTR 9000FT OR ABOVE BTN SEGMENT ASLON-LUDAN, ACFT TO MAINTAIN ROUTE CENTER LINE.
▲ <u>NADEK</u> 322728.00N 0371429.00E	<u>048°</u> 228° 28NM	<u>UNL</u> 13000 FT ALT ALT 13000FT CLASS A+C				

ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<p>▲ <u>DAXEN</u> 324444.79N 0374105.26E</p> <p>▲ <u>ZELAF</u> 325656.20N 0375959.26E</p>	<p>048° 228° 20NM</p>	<p>UNL 13000 FT ALT ALT 13000FT CLASS A+C</p>	<p>10NM</p>	<p>↑</p>	<p>↓</p>	<p>ATS Route Segment DAXEN-ZELAF Non-ICAO Standard For continuation, see AIP Syria</p>
<p>B544</p> <p>▲ <u>SODAR</u> 315432.12N 0384317.33E</p> <p>▲ <u>MODAD</u> 323539.88N 0384138.14E</p> <p>▲ <u>DAPUK</u> 330139.44N 0384026.29E</p> <p>▲ <u>TANF VOR/DME(TAN)</u> 332856.19786N 383911.31296E</p>	<p>354° 174° 41NM</p> <p>354° 174° 26NM</p> <p>354° 174° 27NM</p>	<p>UNL FL240 FL240 CLASS A</p> <p>UNL FL 240 FL 240 CLASS A</p> <p>UNL FL 240 FL 240 CLASS A</p>	<p>10 NM</p>	<p>↓</p>	<p>↑</p>	<p>For continuation, see AIP Saudi AMMAN ACC EAST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL</p> <p>For continuation, see AIP Syria</p>

ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<u>R652</u>						
▲ <u>METSA</u> 292707.00N 0345903.00E	<u>023°</u> 203° 53NM	<u>UNL</u> 7000FT ALT ALT 7000FT CLASS A+C				
▲ <u>LOXUS</u> 301300.90N 0352600.70E	<u>024°</u> 204° 38NM	<u>UNL</u> 7000FT ALT ALT 7000FT CLASS A+C				
▲ <u>LOSIL</u> 304851.20N 0354741.31E	<u>024°</u> 204° 30NM	<u>UNL</u> 9000FT ALT ALT 7000FT CLASS A+C	10 NM	↓	↑	
▲ <u>QATRANEH DVOR/DME (QTR)</u> 311454.41N 0360334.31E	<u>077°</u> 257° 13NM	<u>UNL</u> 9000FT ALT ALT 9000FT CLASS A+C				
▲ <u>EGLOT</u> 311656.94N 0361823.86E	<u>077°</u> 257° 12NM	<u>UNL</u> 9000FT ALT ALT 9000FT CLASS A+C				



ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<p>▲ <u>KULDI</u> 311847.07N 0363214.16E</p> <p>▲ <u>PARAM</u> 312320.08N 0370641.20E</p>	<p><u>077°</u> 257° 30NM</p>	<p><u>FL 300</u> FL 150 FL 150 CLASS A+C</p>	<p>10 NM</p>	<p>↓</p>	<p>↑</p>	
<p><u>L513 (RNAV5)</u> ▲ <u>MAZAR</u> 304800.00N 0361000.00E</p> <p>▲ <u>QATRANEH DVOR/DME (QTR)</u> 311454.41N 0360334.31E</p> <p>▲ <u>QUEENALIADVOR/DME (QAA)</u> 314423.41N 0360926.59E</p> <p>▲ <u>LOXER</u> 320147.76N 0362251.46E</p>	<p><u>345°</u> 165° 28NM</p> <p><u>006°</u> 186° 30NM</p> <p><u>029°</u> 209° 21NM</p> <p><u>029°</u> 209° 9NM</p>	<p><u>UNL</u> 9000FT ALT ALT 9000FT CLASS A+C</p> <p><u>UNL</u> 7000FT ALT ALT 7000FT CLASS A+C</p> <p><u>UNL</u> 9000FT ALT ALT 9000FT CLASS A+C</p> <p><u>UNL</u> 9000FT ALT ALT 9000FT CLASS A+C</p>	<p>10 NM</p>	<p>↑</p>	<p>↓</p>	<p>MINIMUM ALT OVER QTR 9000 FT.</p>

ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<p>▲ <u>LOSAR</u> 320930.06N 0362849.77E</p> <p>▲ <u>BUSRA</u> 322000.00N 0363700.00E</p>	<p><u>029°</u> 209° 13NM</p>	<p><u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C</p>	<p>10 NM</p>	<p>↑</p>	<p>↓</p>	<p>For continue AIP Syria</p>
<p><u>UN318(RNAV5)</u></p> <p>▲ <u>GENEX</u> 312935.47N 0370051.52E</p> <p>▲ <u>ELOXI</u> 313300.80N 0364600.30E</p> <p>Δ <u>ALNOR</u> 313955.26N 0362507.52E</p> <p>▲ <u>QUEEN ALIA DVOR/DME (QAA)</u> 314423.41N 0360926.59E</p>	<p><u>285°</u> 105° 13NM</p> <p><u>285°</u> 105° 19NM</p> <p><u>285°</u> 105° 14NM</p>	<p><u>FL 300</u> FL 150 FL 150 CLASS A</p> <p><u>FL 300</u> FL 150 FL 150 CLASS A</p> <p><u>UNL</u> 7000FT ALT ALT 5000FT CLASS A</p>		<p>↑</p>	<p>↓</p>	<p>For continuation, see AIP Saudi</p> <p>1- ACFT to cross point 25NM QAA/VOR radial 105° at or above 13000FT. 2- All traffic shall adhere to airway centerline.</p> <p>AMMAN APP 128.9 MHZ TRANSFER OF CTL</p>

ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<u>L200 (RNAV5)</u> ▲ <u>AMMAN DVOR/DME (AMN)</u> 320014.65N 0360357.55E ▲ <u>LOXER</u> 320147.76N 0362251.46E ▲ <u>LUDAN</u> 320256.60N 0363713.29E ▲ <u>KUPRI</u> 320825.87N 0364530.21E Δ <u>ASLON</u> 321211.02N 0365111.25E	080° 260° 16NM 080° 260° 12NM 048° 228° 9NM 048° 228° 6NM 048° 228° 25NM	UNL 9000FT ALT ALT 8500FT CLASS A+C UNL 9000FT ALT ALT 8500FT CLASS A+C UNL 11000FT ALT ALT 11000FT CLASS A+C UNL 13000FT ALT ALT 13000FT CLASS A+C UNL 13000FT ALT ALT 13000FT CLASS A+C	10 NM			1- ACFT to cross LUDAN 11000 FT or above. 2- All traffic shall adhere to airway centerline. 3- West level from Baghdad FIR to Amman shall be FL 220, FL200, FL180, and FL160. 4- Eastbound level from Amman to Baghdad shall be FL230, FL210, FL 190, and FL170. AMMAN WEST SECTOR AMMAN ACC 128.3 MHZ TRANSFER OF CTL For continuation, see AIP Iraq ATS Route Segment AMN-DAXEN Non-ICAO Standard

ENR 3.1 LOWER ATS ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS OR MINIMUM EN-ROUTE ALT AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
▲ <u>NADEK</u> 322728.00N 0371429.00E	<u>048°</u> 228° 28NM	<u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C				ATS Route Segment AMN-DAXEN Non-ICAO Standard
▲ <u>DAXEN</u> 324444.79N 0374105.26E	<u>067°</u> 247° 20NM	<u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C		↑	↓	
▲ <u>KAREM</u> 325110.40N 0380324.38E	<u>067°</u> 247° 22NM	<u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C				
▲ <u>KUMLO</u> 325811.82N 0382807.67E	<u>067°</u> 247° 11NM	<u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C	10 NM			
▲ <u>DAPUK</u> 330139.44N 0384026.29E	<u>067°</u> 247° 14NM	<u>UNL</u> 13000FT ALT ALT 13000FT CLASS A+C		↓	↑	
▲ <u>PASIP</u> 330600.00N 0385600.00E						
CLASS A : comprises all controlled airspace within Amman FIR from FL150 and above CLASS C : comprises all controlled airspace within Amman FIR below FL 150 CLASS G: comprises the rest of Amman FIR.						

ENR 3.2 UPPER ATS ROUTES

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<u>UR785 (RNAV 5)</u> ▲ RASLI 315420.11N 0383647.32E ▲ KAREM 325110.40N 0380324.38E ▲ ZELAF 325656.20N 0375959.26E	329° 149° 63NM 329° 149° 6NM	<u>UNL</u> FL 240 CLASS A <u>UNL</u> FL 240 CLASS A	10NM	↑		For continuation, see AIP Saudi AMMAN ACC EAST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL
<u>UL768 (RNAV 5)</u> ▲ OTILA 320131.00N 0390152.84E ▲ MODAD 323539.88N 0384138.14E ▲ KUMLO 325811.82N 0382807.67E ▲ SOKAN 330809.00N 0382207.00E	329° 149° 39NM 329° 149° 25NM 329° 149° 11NM	<u>UNL</u> FL 240 CLASS A <u>UNL</u> FL 240 CLASS A <u>UNL</u> FL 240 CLASS A	10NM	↓		For continuation, see AIP Saudi AMMAN ACC EAST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL For continuation, see AIP Syria

ENR 3.2 UPPER ATS ROUTES (Cont.)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
UM690 (RNAV5) ▲ METSA 292707.00N 0345903.00E ▲ LONOL 300800.60N 0353500.10E ▲ MAZAR 304800.00N 0361000.00E ▲ KULDI 311847.07N 0363214.16E ▲ ELOXI 313300.80N 0364600.30E ▲ DESLI 314900.10N 0365900.60E	033° 213° 52NM 034° 214° 50NM 028° 208° 36NM 035° 215° 19NM 033° 213° 19NM 033° 213° 55NM	UNL FL 250 CLASS A UNL FL 310 CLASS A UNL FL 310 CLASS A UNL FL 310 CLASS A UNL FL 310 CLASS A UNL FL 310 CLASS A	10NM	↓	↑	HOURS OF OPERATION: SUN 1300-0300 NEXT DAY MON 1300-0300 NEXT DAY TUE 1300-0300 NEXT DAY WED 1300-0300 NEXT DAY THU 1300-2400 NEXT DAY SAT 0000-0300 NEXT DAY ATS Route Segment ELOXI-ZELAF Non-ICAO Standard

ENR 3.2 UPPER ATS ROUTES (Cont.)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<u>▲ KODER</u> 323300.00N 0373800.50E <u>▲ ZELAF</u> 325656.20N 0375959.26E	<u>033°</u> 213° 30NM	<u>UNL</u> FL 310 CLASS A	10NM	↑	↓	
<u>UM449 (RNAV5)</u> <u>▲ GIBET</u> 292600.20N 0362500.10E <u>▲ PETRA</u> 294206.00N 0362210.00E <u>Δ HIDAN</u> 301200.30N 0361600.60E	<u>347°</u> 167° 16NM <u>347°</u> 167° 30NM <u>347°</u> 167° 36NM	<u>UNL</u> FL 250 CLASS A <u>UNL</u> FL 250 CLASS A <u>UNL</u> FL 250 CLASS A	10NM	↓	↑	

ENR 3.2 UPPER ATS ROUTES (Cont.)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
<p>▲ <u>MAZAR</u> 304800.00N 0361000.00E</p> <p>▲ <u>EGLOT</u> 311656.94N 0361823.86E</p> <p>△ <u>ALNOR</u> 313955.26N 0362507.52E</p> <p>▲ <u>BUSRA</u> 322000.00N 0363700.00E</p>	<p><u>010</u>° 190° 30NM</p> <p><u>010</u>° 190° 23NM</p> <p><u>010</u>° 190° 41NM</p>	<p><u>UNL</u> FL 250 CLASS A</p> <p><u>UNL</u> 9000FT ALT CLASS A +C</p> <p><u>UNL</u> 13000FT ALT CLASS A +C</p>	10NM	↑	↓	ATS Route Segment MAZAR-BUSRA Non-ICAO Standard
<p>UB411 (RNAV5)</p> <p>▲ <u>METSA</u> 292707.00N 0345903.00E</p> <p>△ <u>ELETA</u> 293200.80N 0352900.10E</p> <p>▲ <u>TAMIM</u> 293640.00N 0354840.00E</p> <p>▲ <u>PETRA</u> 294206.00N 0362210.00E</p> <p>▲ <u>DEESA</u> 294509.00N 0364120.00E</p>	<p><u>074</u>° 254° 27NM</p> <p><u>074</u>° 254° 17NM</p> <p><u>074</u>° 254° 30NM</p> <p><u>074</u>° 254° 17NM</p>	<p><u>UNL</u> 7000FT ALT CLASS A</p> <p><u>UNL</u> FL 250 CLASS A</p> <p><u>UNL</u> FL 250 CLASS A</p> <p><u>UNL</u> FL 250 CLASS A</p>	10NM	↓	↑	

ENR 3.2 UPPER ATS ROUTES (Cont.)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	TRACK (MAG) DIST (NM)	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	LATERAL LIMITS (NM)	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				Odd	Even	
1	2	3	4	5		6
G662 (RNAV5) ▲ <u>ALKOT</u> 313254.22N 0371121.51E ▲ <u>DESLI</u> 314900.10N 0365900.60E ▲ <u>KUPRI</u> 320825.87N 0364530.21E ▲ <u>BUSRA</u> 322000.00N 0363700.00E	324° 144° 19NM 324° 144° 23NM 324° 144° 14NM	<u>UNL</u> FL250 CLASS A <u>UNL</u> FL250 CLASS A <u>UNL</u> FL250 CLASS A	10 NM	↑	↓	Caution: TFC transiting Jordan FIR from north via G662 shall be restricted only to FL330, and upon passing GRY requested to proceed via route UN318

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
<u>A412 (RNAV 5)</u> ▲ <u>QUEEN ALIA DVOR/DME (QAA)</u> 314423.41N 0360926.59E ▲ <u>LUDAN</u> 320256.60N 0363713.29E ▲ <u>KUPRI</u> 320825.87N 0364530.21E ▲ <u>ASLON</u> 321211.02N 0365111.25E ▲ <u>NADEK</u> 322728.00N 0371429.00E	QAA 228° 30NM 2800FT QAA 228° 39NM 2800FT QAA 228° 45NM 2800FT QAA 228° 70NM 2800FT	30NM 9NM 6NM 25NM 28NM	<u>UNL</u> ALT 9000FT CLASS A+C <u>UNL</u> 11000 FT ALT CLASS A+C <u>UNL</u> 13000 FT ALT CLASS A+C <u>UNL</u> 13000 FT ALT CLASS A+C <u>UNL</u> 17000 FT ALT CLASS A+C	↓ ↑	AMMAN ACC WEST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL AMMAN APPROACH AMMAN APP 128.9 MHZ AMMAN APPROACH AMMAN APP 128.9 MHZ MNM ALT OVER QTR 9000FT OR ABOVE BTN SEGMENT ASLON- LUDAN, ACFT TO MAINTAIN ROUTE CENTER LINE.	

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
<p>▲ <u>DAXEN</u> 324444.79N 0374105.26E</p> <p>▲ <u>FIR BDRY (ZELAF)</u> 325656.20N 0375959.26E</p>	<p>QAA 228° 98NM 2800FT</p> <p>TAN 042° 45NM 2500FT</p>	20NM	<p>UNL ALT 13000 FT CLASS A+C</p>	↑	↓	<p>ATS Route Segment DAXEN-ZELAF Non-ICAO Standard</p> <p>For continuation, see AIP Syria</p>
<p><u>UM690 (RNAV5)</u></p> <p>▲ <u>METSA</u> 292707.00N 0345903.00E</p> <p>▲ <u>LONOL</u> 300800.60N 0353500.10E</p> <p>▲ <u>MAZAR</u> 304800.00N 0361000.00E</p> <p>▲ <u>KULDI</u> 311847.07N 0363214.16E</p>	<p>NIL</p> <p>NIL</p> <p>QTR 345° 28NM 2700FT</p> <p>QTR 257° 25NM 2700FT</p>	<p>52NM</p> <p>50NM</p> <p>36NM</p> <p>19NM</p>	<p>UNL FL 250</p> <p>CLASS A</p> <p>UNL FL 310</p> <p>CLASS A</p> <p>UNL FL 310</p> <p>CLASS A</p> <p>UNL FL 310</p> <p>CLASS A</p>	↓	↑	<p>HOURS OF OPERATION:</p> <p>SUN 1300-0300 NEXT DAY MON 1300-0300 NEXT DAY TUE 1300-0300 NEXT DAY WED 1300-0300 NEXT DAY THU 1300-2400 NEXT DAY SAT 0000-0300 NEXT DAY</p>

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
▲ <u>ELOXI</u> 313300.80N 0364600.30E	QAA 285° 33NM 2800FT	19NM	<u>UNL</u> FL 310 CLASS A	↑ ↓		ATS Route Segment ELOXI-ZELAF Non-ICAO Standard
▲ <u>DESLI</u> 314900.10N 0365900.60E	GRY 144° 29NM 1728FT	55NM	<u>UNL</u> FL 310 CLASS A			
▲ <u>KODER</u> 323300.00N 0373800.50E	NIL	30NM	<u>UNL</u> FL 310 CLASS A			
▲ <u>FIR BDRY (ZELAF)</u> 325656.20N 0375959.26E	TAN 042° 45NM 2500FT					

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
L200 (RNAV5) ▲ AMMAN DVOR/DME (AMN) 320014.65N 0360357.55E ▲ LOXER 320147.76N 0362251.46E ▲ LUDAN 320256.60N 0363713.29E ▲ KUPRI 320825.87N 0364530.21E Δ ASLON 321211.02N 0365111.25E	 AMN 260° 16NM 2300FT AMN 260° 28NM 2300FT QAA 228° 39NM 2800FT QAA 228° 45NM 2800FT	16NM 12NM 9NM 6NM 25NM	<u>UNL</u> 9000FT ALT CLASS A+C <u>UNL</u> 9000FT ALT CLASS A+C <u>UNL</u> 11000FT ALT CLASS A+C <u>UNL</u> 13000FT ALT CLASS A+C <u>UNL</u> 13000FT ALT CLASS A+C	↑ ↓	1- ACFT to cross LUDAN 11000 FT or above. 2- All traffic shall adhere to airway centerline. 3- West level from Baghdad FIR to Amman shall be FL 220, FL200, FL180, and FL160. 4- Eastbound level from Amman to Baghdad shall be FL230, FL210, FL 190, and FL170. AMMAN WEST SECTOR AMMAN ACC 128.3 MHZ TRANSFER OF CTL For continuation, see AIP Iraq ATS Route Segment AMN-DAXEN Non-ICAO Standard	

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
▲ <u>NADEK</u> 322728.00N 0371429.00E	QAA 228° 70NM 2800FT	28NM	<u>UNL</u> 13000FT ALT CLASS A+C	↑	↓	ATS Route Segment AMN-DAXEN Non-ICAO Standard
▲ <u>DAXEN</u> 324444.79N 0374105.26E	QAA 228° 98NM 2800FT	20NM	<u>UNL</u> 13000FT ALT CLASS A+C			
▲ <u>KAREM</u> 325110.40N 0380324.38E	TRF 149° 87NM 2900FT	22NM	<u>UNL</u> 13000FT ALT CLASS A+C			
▲ <u>KUMLO</u> 325811.82N 0382807.67E	NIL	11NM	<u>UNL</u> 13000FT ALT CLASS A+C	↓	↑	
▲ <u>DAPUK</u> 330139.44N 0384026.29E	TAN 354° 27NM 2500FT	14NM	<u>UNL</u> 13000FT ALT CLASS A+C			
▲ <u>FIR BDRY (PASIP)</u> 330600.00N 0385600.00E	NIL					

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
UM449 (RNAV5) ▲ FIR BDRY (GIBET) 292600.20N 0362500.10E ▲ PETRA 294206.00N 0362210.00E Δ HIDAN 301200.30N 0361600.60E ▲ MAZAR 304800.00N 0361000.00E ▲ EGLOT 311656.94N 0361823.86E Δ ALNOR 313955.26N 0362507.52E ▲ FIR BDRY (BUSRA) 322000.00N 0363700.00E	NIL NIL NIL QTR 345° 28NM 2700FT QTR 257° 13NM 2700FT QAA 285° 14NM 2800FT QAA 209° 43NM 2800FT	16NM 30NM 36NM 30NM 23NM 41NM	UNL FL 250 CLASS A UNL FL 250 CLASS A UNL FL 250 CLASS A UNL 9000FT ALT CLASS A +C UNL 13000FT ALT CLASS A +C	↓ ↑	↑ ↓	ATS Route Segment MAZAR-BUSRA Non-ICAO Standard

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
UN318 (RNAV5) ▲ FIR BDRY (GENEX) 312935.47N 0370051.52E ▲ ELOXI 313300.80N 0364600.30E Δ ALNOR 313955.26N 0362507.52E ▲ QUEEN ALIA DVOR/DME (QAA) 314423.41N 0360926.59E	GRY 105° 15NM 1728FT GRY 105° 28NM 1728FT QAA 285° 14NM 2800FT	13NM 19NM 14NM	FL 300 FL 150 CLASS A FL 300 FL 150 CLASS A UNL 7000FT ALT CLASS A	↑	↓	For continuation, see AIP Saudi 1- ACFT to cross point 25NM QAA/VOR radial 105° at or above 13000FT. 2- All traffic shall adhere to airway centerline. AMMAN APP 128.9 MHZ TRANSFER OF CTL
UB411 (RNAV5) ▲ METSA 292707.00N 0345903.00E Δ ELETA 293200.80N 0352900.10E	NIL NIL	27NM 17NM	UNL 7000FT ALT CLASS A UNL FL 250 CLASS A	↓	↑	

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
▲ TAMIM 293640.00N 0354840.00E	NIL	30NM	UNL FL 250 CLASS A	↓	↑	
▲ PETRA 294206.00N 0362210.00E	NIL	17NM	UNL FL 250 CLASS A			
▲ FIR BDRY (DEESA) 294509.00N 0364120.00E	NIL					
<u>L513 (RNAV5)</u> ▲ MAZAR 304800.00N 0361000.00E	QTR 345° 28NM 2700FT	345 0 165 0 28NM	UNL 9000FT ALT CLASS A+C	↑	↓	MINIMUM ALT OVER QTR 9000 FT.
▲ QATRANEH DVOR/DME (QTR) 311454.41N 0360334.31E		006 0 186 0 30NM	UNL 7000FT ALT CLASS A+C			

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
<p>▲ <u>QUEEN ALIA DVOR/DME (QAA)</u> 314423.41N 0360926.59E</p> <p>▲ <u>LOXER</u> 320147.76N 0362251.46E</p> <p>▲ <u>LOSAR</u> 320930.06N 0362849.77E</p> <p>▲ <u>FIR BDRY (BUSRA)</u> 322000.00N 0363700.00E</p>	<p>QAA 209° 21NM 2800FT</p> <p>QAA 209° 30NM 2800FT</p> <p>QAA 209° 43NM 2800FT</p>	<p>21NM</p> <p>9NM</p> <p>13NM</p>	<p>UNL 9000FT ALT CLASS A+C</p> <p>UNL 9000FT ALT CLASS A+C</p> <p>UNL 13000FT ALT CLASS A+C</p>	<p>↑</p> <p>↓</p>		

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG & DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
UR785 (RNAV 5) ▲ FIR BDRY (RASLI) 315420.11N 0383647.32E ▲ KAREM 325110.40N 0380324.38E ▲ FIR BDRY (ZELAF) 325656.20N 0375959.26E	TRF 149° 14NM 2900FT	63NM	UNL FL 240 CLASS A	↑		For continuation, see AIP Saudi AMMAN ACC EAST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL
	TRF 149° 87NM 2900FT	6NM	UNL FL 240 CLASS A			
	TRF 149° 93NM 2900FT					
UL768 (RNAV 5) ▲ FIR BDRY (OTILA) 320131.00N 0390152.84E ▲ MODAD 323539.88N 0384138.14E ▲ KUMLO 325811.82N 0382807.67E ▲ FIR BDRY (SOKAN) 330809.00N 0382207.00E	NIL	39NM	UNL FL 240 CLASS A	↓		For continuation, see AIP Saudi AMMAN ACC EAST SECTOR AMMAN ACC 128.5 MHZ TRANSFER OF CTL
	TAN 354° 53NM 2500FT	25NM	UNL FL 240 CLASS A			
	NIL	11NM	UNL FL 240 CLASS A			
	NIL					

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES (CONT)

ROUTE DESIGNATOR (RNP/RNAV) NAME OF SIGNIFICANT POINTS COORDINATES	WAY-POINT IDENT OF VOR/DME BRG &DIST ELEV DME ANTENNA	DISTANCE NM	UPPER LIMITS LOWER LIMITS AIRSPACE CLASSIFICATION	DIRECTIONS OF CRUISING LEVELS		REMARKS CONTROLLING UNIT CHANNEL
				ODD	EVEN	
1	2	3	4	5		6
G662 (RNAV 5) ▲ FIR BDRY (ALKOT) 313254.22N 0371121.51E ▲ DESLI 314900.10N 0365900.60E ▲ KUPRI 320825.87N 0364530.21E ▲ FIR BDRY (BUSRA) 322000.00N 0363700.00E	GRY 144° 10NM 1728FT GRY 144° 29NM 1728FT GRY 144° 52NM 1728FT QAA 209° 43NM 2800FT	19NM 23NM 14NM	UNL FL250 CLASS A UNL FL250 CLASS A UNL FL250 CLASS A	↑	↓	Caution: TFC transiting Jordan FIR from north via G662 shall be restricted only to FL330, and upon passing GRY requested to proceed via route UN318

ENR 4. RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS-EN-ROUTE

Name of station (VAR) (VOR: Declination)	ID	FREQ (CH)	Hours of operation	Coordinates	ELEV DME Antenna	Remarks
DVOR/DME	AMN	116.3 MHz CH110X	H24	320014.65594N 360357.55473E	690M	THR RWY 24. ELEV 690M AMSL Including antenna. ILS CAT I
NDB	QA	410KHz	H24	314349.96991N 360540.49512E		3.94NM THR RWY 26L (NDB +OM)
VOR/DME	QAA	115.2 MHz CH99X	H24	314427.15585N 360929.02481E	832M	7.3NM THR RWY 26L ELEV 832M AMSL including antenna
DVOR/DME	QTR	112.9 MHz CH76X	H24	311454.41320N 360334.31212E		ELEV. 800.547M AMSL including antenna
NDB	JYS	305KHZ	H24	311459.11000N 360249.66000E		ELEV: 786M including antenna Output power 50W