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STATE OF LIBYA
 Civil Aviation Authority
 Aeronautical Information Service
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**AIRAC
 AIP
 Amendment 02/23
 19 OCT 2023**

Effective date : 30 NOV 2023

1- This AIRAC AIP AMDT Contains:

- ▶ Checklist of AIP pages:
- ▶ Update Coordinates at Tripoli FIR BDRY:
- ▶ Changes Previously published by NOTAM :
- ▶ Change the transit SSR code:
- ▶ Update En-Route pages:
- ▶ Restructuring part II (ENR) of the AIP.

2- Insert and destroy the following pages :

Pages to be Inserted	Date	Pages to be destroyed	Date
GEN		GEN	
0.2-1 / ILB	30 NOV 23	0.2-1 / ILB	17 JUN 23
0.4-1 / 0.4-2	30 NOV 23 / 30 NOV 23	0.4-1 / 0.4-2	05 OCT 23 / 05 OCT 23
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ENR		ENR	
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3- At the effective date, record entry of this AIRAC AIP AMDT on page GEN 0.2

4- This AIRAC AIP AMDT incorporates the information contained in the following AIP Supplements and NOTAM which are hereby cancelled:

AIP SUP: **NIL**

NOTAM: **A0059/23**

**INTENTIONALLY
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GEN 1.7 DIFFERENCES FROM ICAO STANDARDS, RECOMMENDED PRACTICES AND PROCEDURES

in general, Libya regulations rules and procedures are in conformity with ICAO SARPS, PANS-, ATM and regional supplementary procedures except in the cases indicated hereunder (all differences have been registered with ICAO)

1. ANNEX 1 -

PERSONNEL LICENSING (10th Edition)

Nil

2. ANNEX 2 -

RULES OF THE AIR (10th Edition)

Reference

Chapter 2

Para2.1.1 The International Rules of the Air as amended below shall apply to all aircraft within the territory of Libya.

para2.3.1 The pilot-in-command of an aircraft shall, whether manipulating the controls or not, be responsible for operating the aircraft in accordance with the rules of the air. He may depart from the rules in circumstances that render such a departure necessary in the interest of safety, but when doing so, he shall inform the appropriate ATS unit and as soon as practicable submit a written report to the Civil Aviation Authority.

Chapter 3

Para3.3.1 Submission of a Flight Plan

Para3.3.1.1 information relative to an intended flight or portion of a flight shall be in the form of a Flight Plan.

Para3.3.1.2 Flight Plan shall be submitted for any flight or portion of flight within the territory of Libya.

Para3.3.1.3 Flight plan shall be submitted before departure. For domestic flights originating at an aerodrome not connected to the AFTN, essential flight details

shall be communicated before departure to the ACC at TRI-POLI or BENGHAZI by any available means (e.g. TELEFAX, E-MAIL). Compliance with this procedure must, for the time being, be regarded as mandatory.

3. **ANNEX 3 .**

METEOROLOGY (17th Edition)

Nil

4. **ANNEX 4 -**

AERONAUTICAL CHARTS (11th Edition)

Nil

5. **ANNEX 5 -**

UNITS OF MEASUREMENT TO BE USED IN AIR AND GROUND OPERATIONS

(5th Edition)

Nil

6. **ANNEX 6 -**

OPERATION OF AIRCRAFT VOL. I (9th Edition), VOL. II (7th Edition), VOL. III (7th Edition)

Nil

7. **ANNEX 7 -**

AIRCRAFT NATIONALITY AND REGISTRATION MARKS (5th Edition)

Nil

8. **ANNEX 8 -**

AIRWORTHINESS OF A/C (11th Edition)

Nil

9. **ANNEX 9 -**

FACILITATION (13th Edition)

Reference Difference

Para2.4 The general declaration is required as an essential document.

Para2.5 Presentation of passenger manifest continues to be required.

Para2.6.2 Full name and surnames of passengers are required.

Para2.11 Presentation of three copies of the passenger manifest are required.

Para2.14 Same as 2.1 1 .

Para2.19 Under consideration.

- Para2.30 Prior permission is required in Accordance with current regulations published in AIP Libya, GEN 1.4-1.
- Para2.31 Not applicable at present.
- Para3.8.3 Resident aliens must hold re-Entry visas.
- Para3.9 Information supplementary to those presented in the passports are required to be written on the E/D card, which differs slightly in terms from that shown in Appendix 4.
- Para 4.19 Certain consular formalities are required.
- Para4.38 Admittance of air lines documents are duty-free on reciprocal treatment basis.
- Para4.44 All imported animals must be Accompanied by a certificate of sanitary inspection.
- Para6.47 Such arrangements are not justified for the moment.
- Para8.2 The provisions of Civil Aviation Law no 6 for the year 2005 are applicable.

10. **ANNEX10-
AERONAUTICAL TELECOMMUNICATIONS**
VOL. I (6th Edition), VOL. II (6th Edition),
VOL.III(2nd Edition), VOL.IV(4th Edition),
VOL. V (2nd Edition)

Nil

11. **ANNEX11-
AIR TRAFFIC SERVICES (13th Edition)**

Reference Chapter 2

Para2.5.2.2 Aircraft equipped and manned For IFR flights shall-irrespective of prevailing weather conditions -conduct all flights within terminal control areas and control zones in accordance with IFR unless otherwise permitted by the appropriate ATS unit Other **aircraft shall conduct flight in accordance with VFR and the special procedures in paragraph 1 below:**

1.1 Air Traffic Control Clearance
An Air Traffic Control Clearance shall be obtained from the appropriate Air Traffic Control Unit.

Note: Separation between VFR flights is only provided when those flights constitute aerodrome traffic. Clearances are issued to provide separation between VFR flights and IFR flights or military traffic flying under special conditions.

1.2 Position Reports
Reporting of position and level shall be made over reporting points specified by the Air Traffic Control Unit and when entering or leaving controlled airspace as follows:

- a) Traffic from Malta — Cairo — Tunis — Algiers FIRs to report at least 10 min. before entering Tripoli FIR.
- b) Traffic from the South of N'Djamena and Khartoum FIRs to report at least 15 min. before entering Tripoli FIR.

1.3 Radio
Aircraft shall be equipped for two-way radio communication and shall maintain continuous listening watch on the appropriate radio frequency.

12. **ANNEX 12-
SEARCH AND RESCUE (8th Edition)**

Nil

13. **ANNEX13-
AIRCRAFT ACCIDENT INVESTIGATION**
(10th Edition)

Nil

14. **ANNEX14-
AERODROMES VOL.I(5th Edition),
HELIPORTS VOL.II(3rd Edition)**

Nil

15. **ANNEX15-
AERONAUTICAL INFORMATION SERVICES**
(16th Edition AMDT41)

Reference Chapter 5

5.3.4.2 Aerodrome mapping data set are not made available for aerodromes regularly used by international civil aviation
Libya is working towards developing a policy that will enable compliance with the aerodrome mapping data sets requirements

Chapter 5
5.3.5.2 Instrument flight procedure data sets are not made available for aerodromes regularly used by international civil aviation.
Libya is working towards developing a policy that will enable compliance with the Instrument flight procedure data sets requirements

PART 2 - EN-ROUTE (ENR)**ENR 0.****ENR 0.6 TABLE OF CONTENTS PART 2****ENR 0.**

ENR 0.1	Preface.....	Not applicable.
ENR 0.2	Record of AIP amendments.....	Not applicable.
ENR 0.3	Record of AIP supplements.....	Not applicable.
ENR 0.4	Checklist of AIP pages.....	Not applicable.
ENR 0.5	List of hand amendments to the AIP.....	Not applicable.
ENR 0.6	Table of contents part 2.....	ENR 0.6-1

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ENR 1.6	Radar services and procedures.....	ENR 1.6-1
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ENR 1.14	Air traffic incidents.....	ENR 1.14-1

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ENR 3. ATS ROUTES

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ENR 3.2	Area Navigation Routes.....	ENR 3.2-1
ENR 3.3	Other routes.....	Not applicable.
ENR 3.4	En-route holding.....	ENR 3.4-1

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ENR 4.1	Radio navigation aids - En-route.....	ENR 4.1-1
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ENR 4.3	Global Navigation Satellite System (GNSS).....	Not applicable.
ENR 4.4	Name - code designators for significant points.....	ENR 4.4-1
ENR 4.5	Aeronautical ground lights - En-route.....	Not applicable.

ENR 5. NAVIGATION WARNINGS

ENR 5.1	Prohibited, restricted and danger areas.....	ENR 5.1-1
ENR 5.2	Military exercise and training areas and air defence identification zone....	ENR 5.2-1
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ENR 5.5	Aerial sporting and recreational activities	ENR 5.5-1
ENR 5.6	Bird migration and areas with sensitive fauna.....	ENR 5.6-1

ENR 6. EN-ROUTE CHARTS

Air traffic service system - En-route chart - ICAO.....	ENR 6.1-1
Communication Sector - Index chart.	ENR 6.2-1
Prohibited, restricted and danger areas - Index chart - ICAO.....	ENR 6.3-1
Military exercise training areas and ADIZ - Index chart.	Not applicable.
Other activities of a dangerous nature - Index chart	Not applicable.
Aerial sporting and recreational activities - Index chart.....	Not applicable.
Radio facility - Index chart - ICAO.	ENR 6.7-1
Bird migration routes - Index chart.....	Not applicable.
Bird concentrations and areas with sensitive fauna - Index chart	Not applicable.

ENR 1.6 RADAR SERVICES AND PROCEDURES**1. PRIMARY RADAR****1.1 Supplementary Services**

1.1.1 A radar unit normally operates as an integral part of the parent ATS unit and provides radar service to aircraft, to the maximum extent practicable, to meet the operational requirements. Many factors, such as radar coverage, controller workload and equipment capabilities, may affect these services. The radar controller shall determine the practicability of providing or continuing to provide radar services in any specific case.

1.1.2 A pilot will know when radar services are being provided because the radar controller will use the following call signs:

- a) Aircraft under area control - (Tripoli) for En-Route and TMA "TRIPOLI RADAR"
- b) Aircraft under area control - (Benghazi) TMA "Benghazi RADAR"

1.1.3 Tripoli area control service operates radar station:

Tripoli MSSR-S
Location: N324033 E0130836
Range: 256 NM

1.1.4 Benina area control service operates radar station:

PSR+MSSR-S
Location: N320426 E0201932
Range: PSR 100 NM / MSSR-S 256 NM

1.1.5 Sirte area control service operates radar station:

Sirte PSR+MSSR-S
Location: N310348 E0163448
Range: PSR 100 NM | MSSR-S 256 NM

1.1.6 Sebha area control service operates radar station:

Sebha PSR+MSSR-S
Location: N265926 E0142720
Range: PSR100 NM / MSSR-S 256 NM

1.1.7 Tazerbo area control service operates radar station:

Tazerbo MSSR-S

1.2 The Application of Radar Control Service

1.2.1 Radar identification is achieved according to the provisions specified by ICAO .

11.2.2 Radar control service is provided in controlled airspaces to aircraft operating within Tripoli TMA and Benghazi TMA and along airways within radar coverage. This service may include:

- a) radar separation of arriving, departing and en-route traffic⁴
- b) radar monitoring of arriving, departing and en-route traffic to provide information on any significant deviation from normal flight path⁴
- c) radar vectoring when required⁴
- d) assistance to aircraft in emergency⁴
- e) assistance to aircraft crossing controlled airspace⁴
- f) warnings and position information on other aircraft considered to constitute a hazard⁴
- g) information to assist in the navigation of aircraft.

1.2.3 The minimum horizontal radar separations shall be at least:

- a- 10 NM EN-ROUTE
- b- 6 NM TMA

1.2.4 Levels assigned by the radar controller to pilots will provide a minimum terrain clearance according to the phase of flight.

1.3 Radar and Radio Failure Procedures**1.3.1 Radar Failure**

In the event of radar failure or loss of radar identification, instructions will be issued to restore non-radar standard separation and the pilot will be instructed to communicate with the appropriate ATS unit.

1.3.2 Radio Failure

1.3.2.1 The radar controller will establish whether the aircraft radio receiver is working by instructing the pilot to carry out a turn of turns. If the turns are observed, the radar controller will continue to provide radar service to the aircraft.

2. **SECONDARY SURVEILLANCE RADAR (SSR)**

2.1 **Emergency Procedures**

Except when encountering a state of emergency, pilots shall operate transponders and select modes and codes in accordance with ATC instructions. In particular, when entering Tripoli FIR, pilots who have already received specific instructions from ATC concerning the setting of the transponder shall maintain that setting until otherwise instructed.

2.1.2 Pilots of aircraft about to enter Tripoli FIR who have not received specific instructions from ATC concerning the setting of the transponder shall operate the transponder on Mode A/3, Code 2000 before entry and maintain that code setting until otherwise instructed.

2.1.3 If the pilot of an aircraft encountering a state of emergency has previously been directed by ATC to operate the transponder on a specific code, this code setting shall be maintained until otherwise advised

2.1.4 In all other circumstances, the transponder shall be set to Mode A/3, Code 7700. Notwithstanding the procedure in 2.1.1. above, a pilot may select Mode A/3, Code 7700 whenever the nature of the emergency is such that this appears to be the most suitable course of action.

Note: Continuous monitoring of responses on Mode A/3, Code 7700 is provided.

2.2 **Radio Communication Failure and Unlawful Interference Procedures**

2.2.1 **Radio Communication Failure Procedures**

In the event of an aircraft radio receiver failure, a pilot shall select Mode A/3, Code 7600 and follow established procedures; subsequent control of the aircraft will be based on those procedures.

2.2.2 **Unlawful Interference Procedures**

Pilots of aircraft in flight subjected to unlawful interference shall endeavor to set the transponder to Mode A, Code 7500 to make the situation known, unless circumstances warrant the use of Mode A/B, Code 7700.

Note: Mode A, Code 7500 is permanently monitored in the Tripoli FIR.

2.3 **System of SSR Code Assignment**

2.3.1 Originating region code assignment method (ORCAM) is applied as per mid region plan.

2.3.2 The following functional codes are assigned by TRIPOLI ACC:

- a) Domestic traffic mode A/3 codes 1300-1377
- b) international traffic mode A/3 codes 2400-2477
- c) Radio communication frequencies
- d) Radar services will be made on frequencies 120.9MHz or 128.4 MHz and Approach 124.0MHz.

ENR 2. AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 FIR,UIR,TMA and CTA

Name Lateral and vertical Limits	Unit Providing Service	Call Sign/Language Area and Condition of use Hours of Operation	Frequency/ Purpose	Remarks
1	2	3	4	5
TRIPOLI FIR N342000 E0113000 N342000 E0233500 N340000 E0241000 N314100 E0250800 N220000 E0250000 N200000 E0250000 N200000 E0240000 N193000 E0240000 N220000 E0190000 N220000 E0112500 To Western Border Libya along Western Border Libya to N322200 E0113000 N342000 E0113000 <u>UNL</u> SFC Class of airspace: Class A FL195 / FL660 Class C SFC or MEL/FL195 Class F In Advisory Routes Class G FL660 / UNL or outside ATS Routes and below MEL (Excluding TMAs-CTAs and CTRs)	TRIPOLI FIC TRIPOLI ACC BENGHAZI ACC	TRIPOLI INFORMATION TRIPOLI CONTROL BENGHAZI CONTROL ENGH24	11300 KHz 5517 KHz 120.900 MHz 128.400 MHz 129.200 MHz 126.500 MHz	TRIPOLI Tel.: 00218-213619614 00218- 213619380
BENGHAZI TMA A Circle 105 NM radius centered on Benina ARP N320548.50 E0201610.42 Class of airspace: Class A FL195 / FL660 Class C 4500FT GND-MSL/ FL195	BENGHAZI ACC	BENGHAZI CONTROL ENG H24	129.200 MHz 126.500 MHz	Emergency Frequency Available TRIPOLI , BENGHAZI& SEBHA 121.500 MHz
SEBHA CTA A circle 65NM radius centered on SEBHA ARP N265913.32 E0142821.30 Class of airspace: Class C 3000ft GND /FL195	SEBHA TWR APP	SEBHA TOWER ENG H24	119.1 MHz 121.9 MHz	
TRIPOLI TMA A Circle 41 NM radius centered on Tripoli ARP N323948.92 E0130932.98 Class of airspace: Class A FL195 / FL660 Class C 2000FT GND-MSL/ FL195	TRIPOLI ACC TRIPOLI APP	TRIPOLI CONTROL TRIPOLI APPROACH ENG H24	120.9 MHz 128.4 MHz 124.0 MHz	
UIR: NIL				

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ENR 3. ATS ROUTES

3.1 Conventional Navigation Routes








Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency		
					Odd	Even			
A18									
▲ KADRA NDB KDR N322200E0133700	<u>209°</u> 029°	12	<u>FL660</u> FL195 CLASS A	10	↑	↓	Tripoli Control VHF 120.9 MHz VHF 128.4 MHz Tripoli INFORMATION HF 11300 HF 5517		
△ RYHAN N321200E0133000	<u>207°</u> 027°	22	<u>FL195</u> FL065 CLASS C						
△ TAWUS N315218E0131736	<u>208°</u> 028°	29							
▲ MIZDA VOR/DME N312709E0130038	<u>221°</u> 041°	68							
▲ FUNGI N303636E0120824	<u>220°</u> 040°	65							
▲ DERJE N294742E0111900	<u>219°</u> 039°	135	<u>FL660</u> FL065 CLASS F	20					only advisory service is provided in this portion of the route
▲ ZARZAITINE VOR/DME N280412E0093954									
A403									
▲ GHERIAT NDB GRT N302341E0133509			<u>FL660</u> FL195 CLASS A	10	↓	↑	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz Sebha Tower VHF 119.1MHz Tripoli INFORMATION HF 11300 HF 5517		
▲ SHATI N280000E0141236	<u>165°</u> 345°	145	<u>FL195</u> FL065 CLASS C						
▲ BOXAL N273000E0142012	<u>166°</u> 346°	33							
▲ SEBHA VOR/DME SEB N265944E0142735		31							
▲ TAJAR N242200E0143436	<u>176°</u> 356°	157	<u>FL660</u> FL065 CLASS F	20					only advisory service is provided in this portion of the route
▲ TUMMO (FIR BDRY) N220000E0144020	<u>177°</u> 357°	142							







Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
A411							
▲ TANLI (FIR BDRY) N332938E0113000	<u>111°</u> 291°	34					Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz
▲ REXOS N331700E0120800							
▲ DERKA N330900E0132202	<u>097°</u> 277°	63					
▲ KAVOX N325700E0145603	<u>098°</u> 278°	79					
▲ GARUS N324000E0170000	<u>099°</u> 279°	106	<u>FL660</u> FL195 CLASS A	10			BENGAZI CONTROL VHF 129.2MHz VHF 126.5MHz
▲ PEBAN N324000E0180500	<u>087°</u> 267°	55					
▲ BENINA VOR/DME BNA N320728E0201513	<u>103°</u> 283°	115	<u>FL195</u> FL065 CLASS C				
▲ MKILY N315900E0222000	<u>091°</u> 271°	106					
▲ TOKBU N315112E0235518	<u>092°</u> 272°	81					
▲ LOSUL (FIR BDRY) N314100E0250800	<u>099°</u> 279°	64					Tripoli INFORMATION HF 11300 HF 5517







Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
B727							
▲ TOKBU N315112E0235518	<u>296°</u> 116°	111	<u>FL660</u> FL195 CLASS A				BENHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz
▲ LABRAQ NDB LAB N324641E0220113							
▣ BENINA VOR/DME BNA N320728E0201513	<u>243°</u> 063°	98	<u>FL195</u> FL065 CLASS C				
▲ BOURI N314124E0184259	<u>249°</u> 069°	83		10	↑		Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz
▲ CILBA N311800E0172400	<u>249°</u> 069°	71					
▲ SIRTE VOR/DME SRT N310333E0163553	<u>248°</u> 068°	44					
▲ TAMIT N304412E0154654	<u>244°</u> 064°	46					Tripoli INFORMATION HF 11300 HF 5517
△ ALBEY N302600E0150000	<u>244°</u> 064°	44					
▲ SWIRF N295300E0134300	<u>244°</u> 064°	74					
▲ HAMRA N293200E0125000	<u>244°</u> 064°	52	<u>FL660</u> FL065 CLASS F	20			Only advisory service is provided in this portion of the route
▲ NGIRT N285200E0112700	<u>244°</u> 064°	82					
▣ ZARZAITINE VOR/DME IMN N280400E0093939	<u>244°</u> 064°	106					





Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency	
					Odd	Even		
G655 ▲ FARES (FIR BDRY) N320949E0105652 ▲ GALPO N311534E0113851 ▲ FUNGI N303636E0120824 ▲ EBITO N301222E0122407 ▲ HAMRA N293200E0125000 ▲ SEBHA VOR/DME SEB N 265944E0142735 ▲ ELGAN N2425000E0153754 ▲ GARIN (FIR BDRY) N220000E0170636	144° 324°	65	FL660 FL195 CLASS A	10	↓	↑	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz Tripoli INFORMATION HF 11300 HF 5517	
	148° 328°	46						
		28						
		46						
			175		20			Only advisory service is provided in this portion of the route
	152° 332°	144	FL325 FL125 CLASS F					
		188						
G858 ▲ SEBHA VOR/DME SEB N265944E0142735 ▲ SAHRA N243812E0133100 ▲ DEKTU (FIR BDRY) N220000E0122806	198° 018°	150	FL660 FL125 CLASS F	20	↑	↓	Tripoli INFORMATION HF 11300 HF 5517 Sebha Tower VHF119.1MHZ It is mandatory For operators to flight plan this route at FL320 or below due to flight level allocation scheme applicable between Tripoli ACC and N'djamena ACC Only advisory service is provided in this route	
	199° 019	168						





Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
J615 ▲ MITIGA DVOR/DME MTG N325337E0131622							
▲ KADRA NDB KDR N322200E0133700	$\frac{149^\circ}{329^\circ}$	36		10			Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz
▲ BENI WALID VOR/DME WLD N314657E0140034	$\frac{148^\circ}{328^\circ}$	40					MTG - KDR AVAILABLE FOR HLLM ARRS/DEPS ONLY
△ NJEIM N305536E0152736	$\frac{124^\circ}{304^\circ}$	90	FL660 FL195 CLASS A				
▲ TAMIT N304412E0154654	$\frac{122^\circ}{302^\circ}$	20					
▲ TILAL N302448E0162100	$\frac{121^\circ}{301^\circ}$	35	FL195 FL065 CLASS C				Tripoli INFORMATION HF11300 HF 5517
▲ DERNI N301328E0164015	$\frac{122^\circ}{302^\circ}$	20					
▲ DAHRA VOR/DME DHR N292803E0175554	$\frac{122^\circ}{302^\circ}$	80					
▲ LEBKO N284908E0193736	$\frac{111^\circ}{291^\circ}$	97					Benghazi Control VHF 129.2MHz VHF 126.5MHz
▲ DAYFA N281918E0205236	$\frac{112^\circ}{292^\circ}$	72					
▲ SARIR NDB GS N273900E0223000	$\frac{112^\circ}{292^\circ}$	95					
J622 ▲ BENI WALID VOR/DME WLD N314657E0140034	$\frac{107^\circ}{287^\circ}$	70	FL660 FL195 CLASS A	10			Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz
▲ NAMWA N312542E0151824							
▲ SIRTE VOR/DME SRT N310333E0163553	$\frac{106^\circ}{286^\circ}$	70	FL195 FL065 CLASS C				WLD - SRT AVAILABLE FOR HLGD ARRS/DEPS ONLY.

Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
J725 ▲ MISRATA VOR/DME MIS N321852E0150440 ▲ NAMWA N312542E0151824 △ NJEIM N305536E0152736 ▲ HON NDB HON N290800E0155700	$\frac{166^\circ}{346^\circ}$ $\frac{163^\circ}{343^\circ}$ $\frac{165^\circ}{345^\circ}$	54 31 110	<u>FL245</u> FL195 CLASS A FL195 FL065 CLASS C	10	 	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz Tripoli INFORMATION HF 11300 HF 5517 MIS - HON AVAILABLE FOR HON -MIS ARRS/DEPS ONLY.	
J730 ▲ NAGDA N321500E0162328 ▲ LABAX N314304E0162801 ▲ SIRTE VOR/DME SRT N310333E0163553 ▲ TILAL N302448E0162100 ▲ HON NDB HON N290800E0155700	$\frac{170^\circ}{350^\circ}$ $\frac{169^\circ}{349^\circ}$ $\frac{196^\circ}{016^\circ}$ $\frac{193^\circ}{013^\circ}$	32 40 41 79	<u>FL660</u> FL195 CLASS A FL195 FL065 CLASS C	10	  	Tripoli CONTROL VHF 120.9MHz VHF 128.4MHz NAGDA- SRT ONE WAY SOUTHBOUND ONLY. SRT -HON AVAILABLE FOR HLGD, HLON ARRS/ DEPS ONLY.	
J850 ▲ SEBHA VOR/DME SEB N265944E0142735 ▲ HORUJ N270906E0161442 ▲ MASIT N272816E0194016 ▲ ARRIG N272930E0200112 ▲ KARUB N273524E0211524 ▲ SARIR NDB GS N273900E0223000	$\frac{082^\circ}{262^\circ}$ $\frac{081^\circ}{261^\circ}$ $\frac{084^\circ}{264^\circ}$ $\frac{082^\circ}{262^\circ}$ $\frac{084^\circ}{264^\circ}$	96 184 19 66 66	<u>FL245</u> FL065 CLASS F	20	 	Sebha Tower VHF119.1MHz Only advisory service is provided in this route Tripoli INFORMATION HF 11300 HF 5517	

Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
J855 ▲ DAHRA VOR/DME DHR N292803E0175554 ▲ HON NDB HON N290800E0155700	$\frac{258^\circ}{078^\circ}$	106	FL660 FL195 CLASS A FL195 FL065 CLASS C	10			Tripoli INFORMATION HF 11300 HF 5517
J977 ▲ GHADAMES VOR/DME GAD N300949E0094429 ▲ TAZIT N255624E0115418	$\frac{154^\circ}{334^\circ}$	278	FL660 FL195 CLASS A	10			Tripoli INFORMATION HF 11300 HF 5517
J980 ▲ GHADAMES VOR/DME GAD N300949E0094429 ▲ NAFUS N304436E0110954 ▲ MIZDA VOR/DME IZD N312709E0130038	$\frac{063^\circ}{243^\circ}$ $\frac{064^\circ}{244^\circ}$	82 104	FL660 FL195 CLASS A FL195 FL065 CLASS C	10			Tripoli INFORMATION HF 11300 HF 5517 GAD - IZD AVBL FOR HLTD ARR/DEP.


















Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
R2 ▲ BENINA VOR/DME BNA N320728E0201513 ▲ ARADA N304636E0213348 ▲ DITAR (FIR BDRY) N265903E0250000	$\frac{137^\circ}{317^\circ}$ $\frac{139^\circ}{319^\circ}$	105 290	<u>FL660</u> FL195 CLASS A <u>FL195</u> FL065 CLASS C	10	 	BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5MHz Tripoli INFORMATION HF 11300 HF 5517	
R778 ▲ TONBA (FIR BDRY) N213518E0195112 ▲ KUFRA VOR/DME KFR N240914E0231828 ▲ DITAR (FIR BDRY) N265903E0250000	$\frac{048^\circ}{228^\circ}$ $\frac{025^\circ}{205^\circ}$	245 193	<u>FL660</u> FL195 CLASS F	20	 	Kufra Tower VHF 121.9MHz Tripoli INFORMATION HF 11300 HF 5517 Only advisory service is provided in this route	
R845 ▲ GASRI (FIR BDRY) N335609E0113000 ▲ REXOS N331700E0120800 ▲ ZAWIA VOR/DME ZAW N324643E0123847 ▲ SAKKR N321201E0124800 ▲ MIZDA VOR/DME IZD N312709E0130038 ▲ GHERIAT NDB GRT N302341E0133509	$\frac{139^\circ}{319^\circ}$ $\frac{138^\circ}{318^\circ}$ $\frac{164^\circ}{344^\circ}$ $\frac{164^\circ}{344^\circ}$ $\frac{154^\circ}{334^\circ}$	50 40 35 47 70	<u>FL660</u> FL195 CLASS A <u>FL195</u> FL065 CLASS C	10	 	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz	




Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
V700 ▲ ABU ARGUB VOR/DME ABU N322746E0131010 ▲ TAWUS N315218E0131736 ▲ GHERIAT NDB GRT N302341E0133509	 $\frac{169^\circ}{349^\circ}$	 36 90	 <u>FL660</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	 10	  	 Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz	
V800 ▲ ABU ARGUB VOR/DME ABU N322746E0131010 △ GWASM N320800E0130700 ▲ MIZDA VOR/DME IZD N312709E0130038 ▲ HAMRA N293200E0125000 ▲ WANIN N281000E0124800 ▲ UBARI NDB UBR N263552E0124648	 $\frac{187^\circ}{007^\circ}$ $\frac{186^\circ}{006^\circ}$ $\frac{184^\circ}{004^\circ}$ $\frac{180^\circ}{360^\circ}$ $\frac{180^\circ}{360^\circ}$	 20 41 115 82 94	 <u>FL245</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	 10	  	 Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz Tripoli INFORMATION HF 11300 HF 5517	

Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
V900 ▲ ABU ARGUB VOR/DME ABU N322746E0131010 ▲ SAKKR N321201E0124800 ▲ SINAW N310600E0110600 ▲ GHADAMES VOR/DME GAD N300949E0094429	231° 051° 231° 051° 231° 051°	24 109 90	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	 	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz V900 is Available for Domestic flights only.	
V950 ▲ REXOS N331700E0120800 △ UKSAG N330448E0124530 ▲ CONCH N325929E0130134 ▲ MITIGA DVOR/DME MTG N 325337E0131622 ▲ NOSRO N325324E0133148 △ BREAM N325330E0140500 ▲ GARUS N324000E0170000	111° 291° 112° 292° 089° 269° 090° 270° 093° 273° 091° 271°	34 13 15 13 28 148	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	 	Tripoli Control VHF 120.9 MHz VHF 128.4 MHz Benghazi Control VHF 129.2 MHz VHF 126.5 MHz	

ENR 3.2 AREA NAVIGATION ROUTES

Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
L12 (RNP5) ▲ LOTIN (FIR BDRY) N342000E0150959 ▲ NAGDA N321500E0162328 ☐ DAHRA VOR/DME DHR N292803E0175554 ▲ KEBUX N272230E0182810 ▲ AKMID N253830E0185330 ☐ TONBA (FIR BDRY) N213518E0195112	$\frac{152^\circ}{332^\circ}$	139	<u>FL660</u> FL195 CLASS A	10	↓		Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz LOTIN-TONBA ONE WAY SOUTHBOUND ONLY. Tripoli INFORMATION HF 11300 HF 5517 Only advisory service is provided in this portion of the route
		185					
	$\frac{153^\circ}{333^\circ}$	129					
	$\frac{167^\circ}{347^\circ}$	106	<u>FL660</u> FL195 CLASS F	20			
	248						
L31 (RNP5) ▲ LOTIN (FIR BDRY) N342000E0150959 ▲ IVAKI N325550E0150630 ▲ MISRATA VOR/DME MIS N321852E0150440	$\frac{179^\circ}{359^\circ}$	84	<u>FL660</u> FL195 CLASS A	10	↓		Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz LOTIN-MIS ONE WAY SOUTHBOUND ONLY.
		37	<u>FL195</u> FL065 CLASS C				

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M1 (RNP5)  RASNO (FIR BDRY) N342000E0212758  REDFI N332030E0205442  WHALE N324436E0203300  BENINA VOR/DME BNA N320728E0201513	 $\frac{201^\circ}{021^\circ}$ $\frac{199^\circ}{019^\circ}$	 66 40 40	 <u>FL660</u> FL195 CLASSA <u>FL195</u> FL065 CLASS C	 10	  	 BENGHAZI Control VHF 129.2 MHz VHF 126.5 MHz	
M7 (RNP5)  BONAR (FIR BDRY) N342000E0190213  RIGEM N324818E0191536  RIGED N315251E0192258  MARSА BREGA NDB MB N302506E0193421  LEBKO N284908E0193736  MASIT N272816E0194016  LAGSI N252145E0194418  TONBA (FIR BDRY) N213518E0195112	 $\frac{170^\circ}{350^\circ}$ $\frac{171^\circ}{351^\circ}$	 92 56 88 96 81 126 226	 <u>FL660</u> FL195 CLASS A <u>FL195</u> FL065 CLASS C <u>FL660</u> FL195 CLASS F	 10 20	   	 BENGHAZI Control VHF 129.2MHz VHF 126.5MHz BONAR-MB ONE WAY SOUTHBOUND ONLY. Tripoli ControlL VHF 120.9 MHz VHF 128.4 MHz Tripoli Information HF11300 MHz HF5517 MHz Only advisory service is provided in this route	

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M214 (RNP5) ▲ SEBHA VOR/DME SEB N265944E0142735 ▲ ELGAN N245000E0153754 ▲ GARIN (FIR BDRY) N220000E0170636	$\frac{152^\circ}{332^\circ}$	144 188	$\frac{FL660}{FL325}$ CLASS F	20			Tripoli INFORMATION HF 11300 HF 5517 Only advisory service is provided in this route
M215 (RNP5) ▲ LUMED (FIR BDRY) N342000E0144203 ▲ TULIR N332240E0151613 ▲ SIRTE VOR/DME SRT N310333E0163553 ▲ SOLAB N300235E0165832 ▲ NABUR N290307E0172012 ▲ KANIR N254613E0182904 ▲ TONBA (FIR BDRY) N213518E0195112	$\frac{151^\circ}{331^\circ}$ $\frac{151^\circ}{331^\circ}$ $\frac{160^\circ}{340^\circ}$ $\frac{161^\circ}{341^\circ}$	64 154 64 62 207 261	$\frac{FL660}{FL195}$ CLASS A $\frac{FL660}{FL195}$ CLASS F	10 20		Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz TONBA-LUMED ONE WAY NORTHBOUND ONLY. Tripoli INFORMATION HF 11300 HF 5517 Only advisory service is provided in this portion of the route	







Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M600 (RNP5) ▲ SARKI (FIR BDRY) N342000E0131447 △ SKATE N334500E0130018 △ UKSAG N330448E0124530 ▲ ZAWIA VOR/DME ZAW N324643E0123847 ▲ GALPO N311534E0113851 ▲ TOKDA N303311E0111144 ▲ ZARZAITINE VOR/DME IMN N280412E0093954	016° 196° 207° 027°	37 42 19 104 48 169	FL660 FL195 CLASS A	10	↑ ↑ ↓	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz ZAW-SARKI ONE WAY NORTHBOUND ONLY. NOTE . Operators Intended To FPL VIA M600 Portion From ZAW To NORTHBOUND Should Select Even Flight Level Due To FL Allocation Scheme BTN Tripoli ACC and Malta ACCs . Tripoli INFORMATION HF 11300 HF 5517	
M620 (RNP5) ▲ BONAR (FIR BDRY) N342000E0190213 ▲ RAMLI N334300E0192300 △ PUFER N325901E0194748 △ ATOLL N324500E0195454 ▲ BENINA VOR/DME BNA N320728E0201513 ▲ DAMUN N302805E0205530 ▲ VATAX N275312E0215602 ▲ SODOR N273747E0220159 ▲ KUFRA VOR/DME KFR N240914E0231828	152° 332° 158° 338° 158° 339°	41 48 15 41 105 163 16 219	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↓ ↓ ↑	BENGHAZI CONTROL VHF 129.2MHz VHF 126.5MHz BONAR-BNA ONE WAY SOUTHBOUND ONLY. Tripoli INFORMATION HF 11300 HF 5517	

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M621 (RNP5) ▲ OLMAX (FIR BDRY) N342000E0180750 ▲ ERMIX N335819E0182401 ▲ FARUJ N333124E0184354 ▲ RIGEM N324818E0191536 ▲ BENINA VOR/DME BNA N320728E0201513	$\frac{145^\circ}{325^\circ}$ $\frac{126^\circ}{306^\circ}$	25 32 51 65	FL660 FL195 CLASS A FL195 FL065 CLASS C	10			Malta ACC VHF 123.625 MHz BENGHAZI Control VHF 129.2MHz VHF 126.5 MHz BNA-OLMAX ONE WAY NORTHBOUND ONLY.
M622 (RNP5) ▲ INDOT (FIR BDRY) N342000E0165653 ▲ LETNO N340000E0172811 ▲ TUNAR N332448E0182212 ▲ RIGEM N324818E0191536 ▲ BENINA VOR/DME BNA N320728E0201513	$\frac{125^\circ}{305^\circ}$	33 57 58 65	FL660 FL195 CLASS A FL195 FL065 CLASS C	10			Malta ACC VHF 130.975 MHz BENGHAZI Control VHF 129.2MHz VHF 126.5 MHz BNA-INDOT ONE WAY NORTHBOUND ONLY






Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M707 (RNP5) ▲ VARIG (FIR BDRY) N342000E0134350 ▲ NOSRO N325324E0133148 ▲ ABU ARGUB VOR/DME ABU N322746E0131010	184° 004° 215° 035°	87 31	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↓		Tripoli Control VHF 120.9MHz VHF 128.4 MHz VARIG-ABU ONE WAY SOUTHBOUND ONLY.
M709 (RNP5) ▲ BENINA VOR/DME BNA N320728E0201513 ▲ MARSА BREGA NDB MB N302506E0193421 ▲ DAHRA VOR/DME DHR N292803E0175554 ▲ NABUR N290307E0172012 ▲ FUGHA N281001E0160541 ▲ SEBHA VOR/DME SEB N265944E0142735 ▲ TAZIT N255624E0115418 ▲ GHAT DVOR/DME GHT N250933E0100823 ▲ TWARG (FIR BDRY) N250301E010020	196° 016° 234° 054° 230° 050° 229° 049° 230° 050° 244° 064° 243° 063° 224° 044°	108 103 40 84 112 151 107 8	FL660 FL195 CLASS A FL195 FL065 CLASS C FL660 FL065 CLASS F	10 20	↑ ↓		BENGHAZI Control VHF 129.2 MHz VHF 126.5 MHz Sebha Tower VHF119.1MHz Only advisory service is provided in this portion of the route Tripoli INFORMATION HF 11300 HF 5517
M726 (RNP5) ▲ SARKI (FIR BDRY) N342000E0131447 ▲ DISOL N334113E0131428 △ SHELL N332024E0131530 ▲ MITIGA DVOR/DME MTG N 325337E0131622	179° 359° 177° 357°	37 21 27	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↑ ↓		Tripoli Control VHF 120.9 MHz VHF 128.4 MHz DISOL-SARKI ONE WAY NORTHBOUND ONLY. AVAILABLE FOR HLLM ARRS/DEPS ONLY.

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M727 (RNP5) ▲ ABRAM (FIR BDRY) N342000E0123816	176°	51	FL660 FL195 CLASS A	10	↓		ABRAM-ZAW ONE WAY SOUTHBOUND ONLY Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz
▲ AMWAJ N332868E0123855	176° 356°	42					
▲ ZAWIA VOR/DME ZAW N324643E0123847	166° 346°	82	FL660 FL195 CLASS F	20	↓	↑	Note: It is mandatory for operators to flight plan this route at FL330 or above due to flight level allocation scheme applicable between Tripoli ACC and N'djamena ACC . Tripoli INFORMATION HF11300 HF 5517
▲ MIZDA VOR/DME IZD N312709E0130038	184° 007°	115					
▲ HAMRA N293200E0125000	178° 360°	82	FL660 FL195 CLASS F	20	↓	↑	Only advisory service is provided in this portion of the route
▲ WANIN N281000E0124800	179° 360°	94					
▲ UBARI NDB UBR N263552E0124648	182° 002°	96	FL660 FL195 CLASS F	20	↓	↑	Only advisory service is provided in this portion of the route
▲ TUBET N250000E0124008	182° 001°	180					
▲ DEKTU (FIR BDRY) N220000E0122806							
M731(RNP5) ▲ FARES (FIR BDRY) N320949E0105652	172° 352°	19	FL660 FL195 CLASS A	10	↓	↑	Tripoli INFORMATION HF 11300 HF 5517 Note: It is mandatory for operators to flight plan this route at FL330 or above due to Flight level allocation Scheme applicable between Tripoli ACC and N'djamena ACC .
▲ NALUT N315101E0105854		68					
▲ NAFUS N304436E0110954		57	FL660 FL195 CLASS F	20	↓	↑	Only advisory service is provided in this portion of the route
▲ DERJE N294742E0111900		86					
▲ ORBEL N282236E0113218		147	FL660 FL195 CLASS F	20	↓	↑	Only advisory service is provided in this portion of the route
▲ TAZIT N255624E0115418		238					
▲ DEKTU (FIR BDRY) N220000E0122806							

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M732 (RNP5) ▲ ELIMO (FIR BDRY) N342000E0162210 ▲ EVRAN N340000E0164635 ▲ DEGLI N331248E0174312 ▲ RIGED N315251E0192258 ▲ ROTOD N312538E0195724 ▲ ANHAR N303100E0210500 ▲ DITAR (FIR BDRY) N265903E0250000	133° 313 131° 311° 130° 310° 130° 310° 132° 312°	28 66 116 40 80 296	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↓		BENGHAZI Control VHF 129.2 MHz VHF 126.5 MHz Tripoli information HF 11300 HF 5517
M739 (RNP5) ▲ VARIG (FIR BDRY) N342000E0134350 ▲ REXUN N333210E0141570 ▲ MISRATA VOR/DME MIS N321852E0150440	148° 328°	55 84	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↓		Tripoli Control VHF120.9MHz VHF128.4MHz VARIG-MIS ONE WAY SOUTHBOUND ONLY.
M740 (RNP5) ▲ SARKI (FIR BDRY) N342000E0131447 ▲ HITAN N332736E0132509 ▲ NOSRO N325324E0133148 ▲ KADRA NDB KDR N322200E0133700 ▲ KAVEN N300000E0135958 ▲ SEBHA VOR/DME SEB N265944E0142735	169° 349° 171° 351° 170° 350° 170° 350° 170° 350°	53 35 31 143 181	FL660 FL195 CLASS A FL195 FL065 CLASS C	10	↑	↑	Tripoli Control VHF 120.9 MHz VHF 128.4 MHz NOSRO-SARKI ONE WAY NORTHBOUND ONLY. Sebha Tower VHF119.1MHz

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M855 (RNP5) ▲ RASNO (FIR BDRY) N342000E0212758 ▲ AMTAR N340000E0215618 ▲ VUSOR N330000E0232117 ▲ LOSUL (FIR BDRY) N314100E0250800	$\frac{127^\circ}{307^\circ}$ $\frac{126^\circ}{306^\circ}$ $\frac{127^\circ}{307^\circ}$	31 93 120	FL660 FL195 CLASS A	10			Malta ACC VHF 123.625 MHz BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz Tripoli INFORMATION HF 11300 HF 5517
M979 (RNP5) ▲ LABRAQ NDB LAB N324641E0220113 ▲ RAMLI N334300E0192300 ▲ NETAG N340032E0181517 ▲ INDOT (FIR BDRY) N342000E0165653	$\frac{291^\circ}{111^\circ}$ $\frac{284^\circ}{104^\circ}$ $\frac{284^\circ}{104^\circ}$	144 59 68	FL660 FL195 CLASS A FL195 FL065 CLASS C	10			BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz LAB-INDOT ONE WAY NORTHBOUND ONLY. Malta ACC VHF 130.975 MHz BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz
M980 (RNP5) ▲ BONAR (FIR BDRY) N342000E0190213 ▲ DARIP N333125E0210045 ▲ LOSUL (FIR BDRY) N314100E0250800	$\frac{114^\circ}{294^\circ}$ $\frac{115^\circ}{295^\circ}$	110 236	FL660 FL195 CLASS A	10			BONAR-LOSUL ONE WAY SOUTHBOUND ONLY. EASTBOUND traffic within RVSM level band cross LOSUL at FL290, FL330, FL370, FL410. Tripoli information HF 11300 HF 5517




Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
M999 (RNP5) ▲ DITAR (FIR BDRY) N265903E0250000							
▲ SARIR NDB GS N273900E0223000	$\frac{284^\circ}{104^\circ}$	139					
▲ KARUB N273524E0211524	$\frac{265^\circ}{085^\circ}$	66					Tripoli information HF 11300 HF 5517
▲ ARRIG N272930E0200112	$\frac{263^\circ}{083^\circ}$	66					
▲ MASIT N272816E0194016	$\frac{264^\circ}{084^\circ}$	19	FL660 FL245	20			Only advisory service is provided in this route
▲ HORUJ N270906E0161442	$\frac{263^\circ}{083^\circ}$	184	Class F				Sebha Tower VHF119.1MHz
▲ SEBHA VOR/DME SEB N265944E0142735	$\frac{261^\circ}{081^\circ}$	96					
▲ BURHA N272218E0124724	$\frac{285^\circ}{105^\circ}$	92					
▲ ZARZAITINE VOR/DME IMN N280412E0093954	$\frac{284^\circ}{104^\circ}$	172					

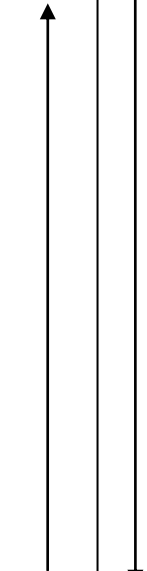
Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
N68 (RNP5) ▲ OLMAX (FIR BDRY) N342000E0180750 ▲ NETAG N340032E0181517 ▲ MISIK N330715E0183527 ▲ ORGON N325246E0184052 ▲ GENIN N320840E0185710 ▲ MARSА BREGA NDB MB N302506E0193421	$\frac{159^\circ}{339^\circ}$ $\frac{159^\circ}{339^\circ}$ $\frac{160^\circ}{340^\circ}$	20 56 15 46 108	FL660 FL195 CLASS A	10			Malta ACC VHF 123.625 MHz BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz MB-OLMAX ONE WAY NORTHBOUND ONLY.
N163 (RNP5) ▲ ABRAM (FIR BDRY) N342000E0123816 ▲ CONCH N325929E0130134 ▣ ABU ARGUB VOR/DME ABU N322746E0131010 ▲ TAWUS N315218 E0131736 ▲ GHERIAT NDB GRT N302341E0133509	$\frac{163^0}{343^0}$ $\frac{164^0}{344^0}$ $\frac{168^0}{348^0}$ $\frac{169^0}{349^0}$	83 32 36 90	FL660 FL195 CLASS A	10			Tripoli control VHF 120.9 MHz VHF 128.4 MHz ABRAM-GRT ONE WAY SOUTHBOUND ONLY.
N708 (RNP5) ▣ RASNO (FIR BDRY) N342000E0212758 ▲ LABRAQ LAB NDB N324607E0220102 ▲ MKILY N315900E0222000 ▲ OBNUС N295401E0232848 ▣ DITAR (FIR BDRY) N265903E0250000	$\frac{161^\circ}{341^\circ}$ $\frac{158^\circ}{338^\circ}$ $\frac{151^\circ}{331^\circ}$ $\frac{152^\circ}{332^\circ}$	97 50 138 192	FL660 FL195 CLASS A FL195 FL065 CLASS C	10		  	BENGHAZI CONTROL VHF 129.2 MHz VHF 126.5 MHz LAB-DITAR ONE WAY SOUTH BOUND ONLY Tripoli INFORMATION HF 11300 HF 5517

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency	
					Odd	Even		
N982 (RNP5) ▲ SARKI (FIR BDRY) N342000E0131447 ▲ ODGAX N333754E0135256 ▲ MISRATA VOR/DME MIS N321852E0150440 △ KALIJ N313300E0160000 ▲ SIRTE VOR/DME SRT N310333E0163553 ▲ DAHRA VOR/DME DHR N292803E0175554 ▲ ARRIG N272930E0200112 ▲ KUFRA VOR/DME KFR N240914E0231828						↑	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz MIS-SARKI ONE WAY NORTHBOUND ONLY.	
	140° 320°	54	<u>FL660</u> FL195 CLASS A					
			98		10			
		132° 312°	66	<u>FL195</u> FL065 CLASS C				
		142° 322°	43			↓	↑	
			118					Tripoli INFORMATION HF 11300 HF 13273
		134° 314°	162	<u>FL660</u> FL065 CLASS F	20		↓	
	136° 316°	267					Only advisory service is provided in this portion of the route	

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
P32 (RNP5) ▲ EKLIS (FIR BDRY) N342000E0202855 ▲ RAMLI N334300E0192300 ▲ ORGON N325246E0184052 ▲ CILBA N311800E0172400 ▲ DERNI N301328E0164015 ▲ HON NDB HON N290800E0155700 ▲ ALGAF N281000E0151600 ▲ SEBHA VOR/DME SEB N265944E0142735	234° 054° 213° 033° 212° 032° 208° 028° 210° 030° 210° 030°	66 61 115 75 75 68 82	FL660 FL195 CLASS A	10		BENGHAZI Control VHF 129.2 MHz VHF126.5 MHz Tripoli Information HF 11300 HF 5517 Sebha Tower VHF119.1MHz	

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
P126 (RNP5) ▲ LUMED (FIR BDRY) N342000E0144203 ▲ SAMAK N332404E0145238 ▲ MISRATA VOR/DME MIS N321852E0150440 ▲ NAMWA N312542E0151824 △ NJEIM N305560E01527.6 ▲ HON NDB HON N290800E0155700 ▲ FUGHA N281001E0160541 △ HORUJ N270906E0161442 ▲ TMISA N262548E0162054 ▲ NADED N250000E0163602 ▲ GARIN (FIR BDRY) N220000E0170636		57				↑	Tripoli CONTROL VHF120.9 MHz VHF 128.4MHz Tripoli Information HF 11300 HF5517 Only advisory service is provided in this portion of the route GARIN-LUMED ONE WAY NORTHBOUND ONLY.
	$\frac{169^\circ}{349^\circ}$	66		10			
	$\frac{166^\circ}{346^\circ}$	54	FL660 FL195 CLASS A				
		31					
		110					
	$\frac{164^\circ}{344^\circ}$	58					
		61	FL660 FL195 CLASS F	20			
		44					
	$\frac{171^\circ}{351^\circ}$	87					
		182					

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency	
					Odd	Even		
P128 (RNP5) ▲ TANLI (FIR BDRY) N332938E0113000 ▲ AMWAJ N332868E0123855 ▲ HITAN N332736E0132509 ▲ SAMAK N332404E0145238 ▲ OJAAJ N331548E0170000 ▲ DEGLI N331248E0174312 □ PUFER N325901E0194748 ▲ LABRAQ NDB LAB N324641E0220113 ▲ LOSUL (FIR BDRY) N314100E0250800	$\frac{089^\circ}{269^\circ}$	57	FL660 FL195 CLASS A	10			Tripoli Control VHF 120.9 MHz VHF 128.4 MHz	
	$\frac{089^\circ}{269^\circ}$	40						LAB-TANLI ONE WAY WESTBOUND ONLY.
	$\frac{090^\circ}{270^\circ}$	73						
	$\frac{092^\circ}{272^\circ}$	107	FL195 FL065 CLASS C					
	$\frac{093^\circ}{273^\circ}$	36						BENGHAZI Control VHF 129.2 MHz VHF 126.5 MHz
	$\frac{095^\circ}{275^\circ}$	106						
	$\frac{093^\circ}{273^\circ}$	113						
	$\frac{109^\circ}{289^\circ}$	171						Tripoli Information HF11300 HF5517

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
P310 (RNP5) ▲ RASNO (FIR BDRY) N342000E0212758 ▲ RAMLI N334300E0192300 ▲ FARUJ N333124E0184354 ▲ TUNAR N332448E0182212 △ DEGLI N331248E0174312 ▲ SOLUN N325912E0170000 ▲ CIBIA N324012E0160112 ▲ MISRATA VOR/DME MIS N321852E0150440	$\frac{248^\circ}{068^\circ}$	110	$\frac{FL660}{FL195}$ CLASS A	10		BENGHAZI Control VHF 129.2 MHz VHF 126.5 MHz	
		35					
	$\frac{248^\circ}{068^\circ}$	19	$\frac{FL195}{FL065}$ CLASS C				
	35						
	$\frac{248^\circ}{068^\circ}$	39					
	$\frac{247^\circ}{067^\circ}$	53					
	$\frac{244^\circ}{064^\circ}$	52					
	P560 (RNP5) ▲ OLMAX (FIR BDRY) N342000E0180750 ▲ IDOMI N340000E0184854 ▲ RAMLI N334300E0192300	$\frac{117^\circ}{297^\circ}$	39				$\frac{FL660}{FL195}$ CLASS A
$\frac{118^\circ}{299^\circ}$		33					

Route designator Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
P563 (RNP5) ▲ LUMED (FIR BDRY) N342000E144203 ▲ ODGAX N333754E0135256 ▲ DERKA N330900E0132202 ▲ MITIGA DVOR/DME MTG N325337E0131622	220° 040°	57	FL660 FL195 CLASS A	10	↑		DERKA-LUMED ONE WAY NORTHBOUND ONLY.
		39	FL195 FL065 CLASS C				
	198° 018°	16		↑	↓	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz	
P573 (RNP5) ▲ ELIMO (FIR BDRY) N342000E0162210 ▲ RIGEM N324818E0191536 ▲ BENINA VOR/DME BNA N320728E0201513	119° 299°	171	FL660 FL195 CLASS A	10	↓		Benghazi CONTROL VHF 129.2MHz VHF 126.5 MHz ELIMO-BNA ONE WAY SOUTHBOUND ONLY.
		65	FL195 FL065 CLASS C				
	126° 306°						

Route designator (RNP) Significant Points Coordinates	Track (MAG)	Distance (NM)	Upper Limit Lower Limit Airspace Classification	Lateral Limits (NM)	Direction of Cruising Levels		Remarks Controlling Units Frequency
					Odd	Even	
P702 (RNP5) ▲ LOTIN N342000 E0150959 ▲ REXUN N333206E0141539 ▲ NOSRO N325324 E0133148	$\frac{221^\circ}{041^\circ}$ $\frac{221^\circ}{041^\circ}$	67 53	<u>FL660</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	10		↓	Tripoli CONTROL VHF 120.9MHz VHF 128.4MHz LOTIN-NOSRO ONE WAY SOUTHBOUND ONLY.
P706 (RNP5) ▲ ABRAM (FIR BDRY) N342000E0123816 △ SKATE N334500E0130018 △ SHELL N332024E0131530 ▲ NOSRO N325324E0133148	$\frac{151^\circ}{331^\circ}$ $\frac{152^\circ}{332^\circ}$	39 28 30	<u>FL660</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	10		↓	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz ABRAM-NOSRO ONE WAY SOUTHBOUND ONLY.
P709 (RNP5) ▲ VARIG (FIR BDRY) N342000E0134350 ▲ DISOL N334113E0131428 ▲ ZAWIA VOR/DME ZAW N324643E0123847	$\frac{209^\circ}{029^\circ}$	44 62	<u>FL660</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	10		↓	Tripoli CONTROL VHF 120.9 MHz VHF 128.4 MHz VARIG-ZAW ONE WAY SOUTHBOUND ONLY.
Z177 (RNP5) ▲ DARIP N333125E0210045 ▲ LABRAQ NDB LAB N324641E0220113	$\frac{129^\circ}{309^\circ}$	68	<u>FL660</u> <u>FL195</u> CLASS A <u>FL195</u> <u>FL065</u> CLASS C	10		↓	Benghazi CONTROL VHF 129.2MHz VHF 126.5 MHz DARIP-LAB ONE WAY SOUTHBOUND ONLY.

ENR 3.3 OTHER ROUTES

NIL

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ENR 3.4 EN-ROUTE HOLDING

HLDG ID / FIX /WPT Coordinates	INBD TR (MAG)	Direction Of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL / FT (MSL)	TIME(MIN) or DIST	Controlling unit and frequency
1	2	3	4	5	6	7
TRIPOLI VOR/DME (TPI) N323947 E01300706	320	LEFT	265	FL150-FL290	1 1/2	Tripoli Control 120.9 MHz 128.4 MHz
	090	RIGHT	230	FL2000 -FL140	1	
ABU ARGUB VOR/DME (ABU) N322746 E0131010	140	LEFT	265	FL150 - FL290	1 1/2	Tripoli Control 120.9 MHz 128.4 MHz
BENINA VOR/DME (BNA) N320728 E0201513	330	LEFT	265	FL150 - FL290	1 1/2	Benghazi Control 126.5 MHz 129.2 MHz
	330	LEFT	230	2000 FT - FL140	1	
KUFRA VOR/DME (KFR) N240914 E0231828	196	RIGHT	265	FL140 - FL290	1 1/2	Tripoli FIC HF 11300 HF 5517 TWR VHF121.9
SEBHA VOR/DME (SEB) N265944 E0142735	315	LEFT	265	FL140 - FL290	1 1/2	Tripoli FIC HF 11300 HF 5517 TWR VHF 119.1

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NAME-CODE DESIGNATOR	COORDINATES	ATS ROUTE OR OTHER ROUTE
NADED	N250000 E0163602	P126
NAFUS	N304436 E0110954	J980, M731
NAGDA	N321500 E0162328	J730 L12
NALUT	N315101 E0105854	M731
NAMWA	N312542 E0151824	J622, J725, P126
NETAG	N340032 E0181517	N68, M979
NGIRT	N285200 E0112700	B727
NJEIM	N305536 E0152736	J615, J725,P126
NOSRO	N325324 E0133148	M740, P706,M707,V950, P702
OBNUS	N295401 E0232848	N708
ODGAX	N333754 E 0135256	P563 ,N982
OJAAJ	N331548 E0170000	P128
OKLIR	N340000 E0171049	B21
OLMA X	N342000 E0180750	M621, N68, P560
ORBEL	N282236 E0113218	W853, M731
ORGON	N325246 E0184052	N68, P32
ORNAT	N200000 E0250000	B21
PEBAN	N324000 E0180500	A411, B21, V400
PUFER	N325901 E0194748	M620, P128
RAMLI	N334300 E0192300	M620,M979,P32,P560,P310
RASNO	N342000 E0212758	M1, N708,M855, P310
REDFI	N332030 E0205442	M1
REXUN	N333206 E0141539	P702 ,M739
REXOS	N331700 E0120800	A411, R845, V950
RIGED	N315251 E0192258	M7, M732
RIGEM	N324818 E0191536	M7, M621, M622, P573
RODOD	N312538 E0195724	M732
RYHAN	N321200 E0133000	A18, V600
SAHRA	N243812 E0133100	G858
SAKKR	N321201 E0124800	V900
SAMAK	N332404 E0145238	P126, P128
SARIR	N273900 E0223000	M999, J615,J850
SARKI	N342000 E0131447	M600, M726, M740, N982
SHATI	N280200 E0141201	A403
SHELL	N332024 E0131530	M726, P706
SINAW	N310600 E0110600	V900
SKATE	N334500 E0130018	M600, P706,
SODOR	N273747 E0220159	M620
SOLAB	N300235 E0165832	M215
SOLUN	N325912 E0170000	P310,V200
SWIRF	N295300 E0134300	B727

NAME-CODE DESIGNATOR	COORDINATES	ATS ROUTE OR OTHER ROUTE
TAJAR	N242200 E0143436	A403
TAMIT	N304412 E0154654	J615, B727
TANLI	N332938 E0113000	A411, A420, P128
TAWUS	N315218 E0131736	A18, V700 ,N163
TAZIT	N255624 E0115418	M709, J977, M731
TILAL	N302448 E0162100	J615 , J730
TMISA	N262548 E0162054	W858, P126
TOKDA	N303311 E0111144	M600
TOKBU	N315112 E0235518	A411, W861
TONBA	N213518 E0195112	L12, M7, M215, R778
TUBET	N250000 E0124008	M727
TULIR	N332240 E0151613	M215
TUMMO	N220000 E0144020	A403
TUNAR	N332448 E0182212	M622, P310
TWARG	N250301 E0100200	M709
UKSAG	N330448 E0124530	M600, V950
VARIG	N342000 E0134350	M739, M707, P709
VATAX	N275312 E0215602	M620
VUSOR	N330000 E0232117	M855
WANIN	N281000 E0124800	V800, W858
WHALE	N324436 E0203300	M1, V400
YAQUT	N321300 E0170000	A420
ZAWIA	N324643 E0123847	M727, M600, R845 ,A420, V500 ,P709