

## ENR 3.2 ТРАСЕТА ЗА ЗОНАЛНА НАВИГАЦИЯ (RNAV)

### 1. Общи правила при използване на условни маршрути/трасета (CDRs)

#### 1.1 Предназначение на CDRs

“Условните маршрути/трасета” (CDRs) допълват постоянната трасова мрежа за ОВД. Те са предназначени да дадат възможност за планиране на полети по трасетата за ОВД или техни части, които не се използват постоянно. Условните маршрути/трасета се въвеждат в зони с потенциална възможност за временно отделяне/резервиране, наречени с общия термин “Временно отделени зони/Временно резервирани зони” (TSAs/TRAs). Условието за използването на CDRs се публикуват ежедневно в:

- Национален “План за използване на въздушното пространство/Актуализиран план за използване на въздушното пространство” (ПИБП/АПИВП). ПИБП/АПИВП е наличен на интернет страницата на ДП РВД - [www.bulatsa.com](http://www.bulatsa.com) или се предоставя при поискване от летищните аеронавигационни служби (ARO/Briefing offices);

- Европейски ПИБП/АПИВП. Европейският ПИБП/АПИВП е наличен на интернет страницата на EUROCONTROL Network Operations Portal (NOP): <https://www.public.nm.eurocontrol.int/PUBPORTAL/>, секция “European AUP/UUP”;

- e-AMI, разпространявано от EUROCONTROL.

#### 1.2 Категории условни маршрути/трасета

Съгласно Концепцията за гъвкаво използване на въздушното пространство условните маршрути/трасета се делят на три различни категории CDR1, CDR2 или CDR3 в зависимост от тяхната предвидена използваемост, от потенциала им да обслужват планирани полети и от очакваното ниво на активност на съответните TSAs/TRAs. Във връзка с инициативата на EUROCONTROL/NM за подобряване на оперативното използване на условните маршрути/трасета и утвърдените промени в ERNIP Част 3 - Наръчник за УВП, в границите на РПИ София се въвежда една категория на УМП, които се планират постоянно, освен ако дадено УМП е посочено в:

- Националния ПИБП/АПИВП, част „B) ATS Route and CDR Type 1 Closure“; и/или

- Европейския ПИБП/АПИВП, секция “European AUP/UUP”, подсекция „ATS Route and CDR Type 1 Closure“.

## ENR 3.2 AREA NAVIGATION (RNAV) ROUTES

### 1. General rules applied to Conditional Routes (CDRs)

#### 1.1 Purpose of CDRs

“Conditional Routes” (CDRs) complement the permanent ATS route network. The purpose of CDRs is to allow flights to be planned on ATS routes, or portions thereof, that are not always available. CDRs are established through potential areas of temporary segregation/reservation identified under the generic term “Temporary Segregated Areas/ Temporary Reserved Areas” (TSAs/TRAs). The conditions for the utilisation of CDRs are daily published in:

- National "Airspace Use Plan/ Updated Airspace Use Plan" (AUP/UUP). National AUP/UUP is available on BULATSA's website - [www.bulatsa.com](http://www.bulatsa.com) or may be obtained upon request from the aerodrome ARO/Briefing offices;

- European AUP/UUP. European AUP/UUP is available on EUROCONTROL Network Operations Portal (NOP):

- <https://www.public.nm.eurocontrol.int/PUBPORTAL/>, section “European AUP/UUP”;

- e-AMI, distributed by EUROCONTROL.

#### 1.2 Categories of CDRs

Considering FUA concept, CDRs are defined in three different categories: CDR1, CDR2 or CDR 3, according to their foreseen availability, their ability to service planned flights, and the anticipated level of activity of the associated TSAs/TRAs. Regarding EUROCONTROL/NM initiative to improve operational utilisation of CDRs and following adopted amendments in ERNIP Part 3 - ASM handbook, thereby within Sofia FIR is applied Single CDR Category (SCC), which is available H24 (permanently plannable) except in cases when the particular CDRs are included in:

- National AUP/UUP, part „B) ATS Route and CDR Type 1 Closure“; and/or

- European AUP/UUP, section “European AUP/UUP”, subsection „ATS Route and CDR Type 1 Closure“.

## 2. Полети в РПИ София

- Всички трасета за ОВД в контролираното въздушно пространство на РПИ София и летищните контролирани райони на летища София, Варна и Бургас са трасета за зонална навигация (RNAV). Гражданските ВС, изпълняващи полети по ППП в това въздушно пространство, трябва да бъдат оборудвани и да използват като минимум RNAV системи, отговарящи на RNAV 5. (Виж GEN 1.5);

- Съществуващата VOR/DME инфраструктура дава възможност да се постигне RNAV 5 над територията на Република България, с изключение на малки райони и над открито море. Поради доброто радарно покритие на РПИ София и района над неутрални води, за които Република България е поела отговорността за осигуряване на ОВД, органът осъществяващ КВД предоставя радарно обслужване при поискване от страна на командира на ВС.

## 2. Flights in Sofia FIR

- All ATS routes in the controlled airspace in Sofia FIR and in Sofia, Varna and Burgas TMAs, are RNAV routes. Civil aircraft flying IFR in this airspace shall be equipped with, and use RNAV equipment meeting RNAV 5 (Basic RNAV) (See GEN 1.5);

- The established VOR/DME infrastructure ensures that the RNAV 5 is achieved above Bulgarian territory, with the exemption of small areas and over the high seas. However, because of good radar coverage above Sofia FIR and the high seas where Republic of Bulgaria is responsible for air traffic services ATC will be able to provide navigational assistance based on radar, when requested by the pilot-in-command.

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency		
1	2	3	4	5	6	7		
<b>L602 (RNAV 5)</b>	Total DIST km (NM) 312.1 (168.4)					<i>For continuation see AIP Turkey</i>		
	▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	305° 108.7 (58.7)	FL 660 10500 FT ALT  Class C	↓		+ / - 5NM	
	▲ <b>NESAR</b> 424835N 0280830E	WRN 145° 53.8 (29.0) 60 (200)	304°/124° 12.9 (6.9)		↑ ↓		+ / - 5NM	
	▲ <b>RUTAR</b> 425301N 0280114E	WRN 151° 42.0 (22.7) 60 (200)			305° 68.5 (37.0)		↓	+ / - 5NM
	△ <b>NUPVU</b> 431656N 0272246E	WRN 273° 36.0 (19.4) 60 (200)	304° 19.7 (10.6)	FL 660 5000 FT ALT  Class C	↓		+ / - 5NM	
	△ <b>ELRUR</b> 432347N 0271137E	WRN 284° 53.8 (29.1) 60 (200)			304° 27.7 (14.9)		↓	+ / - 5NM
	▲ <b>ATBOG</b> 433321N 0265552E	WRN 291° 80.3 (43.4) 60 (200)	304° 74.6 (40.3)	FL 660 10500 FT ALT  Class C	↓		+ / - 5NM	
	▲ <b>KOMAN (FIR BDRY)</b> 435900N 0261300E	GRN 018° 100.8 (54.5) 90 (300)					↓	+ / - 5NM
								FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
								<i>For continuation see AIP Romania</i>

Note:

- ▲ - Compulsory
- △ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L605 (RNAV 5)</b>  <b>▲ BULEN (FIR BDRY)</b> 434500N 0254900E  <b>▲ GONGO</b> 430553N 0270157E  <b>▲ VABUR</b> 423011N 0280335E  <b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 303.8 (164.0)					<i>For continuation see AIP Romania</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>GONGO - VABUR</b> FL 175 - FL 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>VABUR - RIXEN</b> 10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	GRN 002° 66.8 (36.1) 90 (300)	120° 122.2 (66.0)	FL 660 FL 245  Class C	↓	+ / - 5NM	
	WRN 251° 65.5 (35.4) 60 (200)		FL 660 FL 175  Class C			
	BGS 096° 43.9 (23.7) 60 (200)	123° 74.7 (40.3)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
	BGS 113° 115.7 (62.5) 60 (200)					

Note:  
▲ - Compulsory  
△ - On-request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L606 (RNAV 5)</b>  <b>▲ TIMUR (FIR BDRY)</b> 434120N 0241421E  <b>△ XANEX</b> 430738N 0245849E  <b>△ GASRU</b> 421504N 0260558E  <b>▲ ADORU (FIR BDRY)</b> 415218N 0263406E	Total DIST km (NM) 277.6 (149.9)					<i>For continuation see AIP Romania</i>  <b>CDR 1 H24</b> ALTN route: TIMUR N181 (Above FL 155) GOL Q24 BLO N127 LARAT N739 ADORU or TIMUR N181 GOL Q24 BLO L614 ADORU  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	GOL 356° 66.0 (35.6) 420 (1400)	130° 86.6 (46.8)	FL 660 FL 135  Class C	↓	+ / - 5NM	
	GRN 262° 59.6 (32.2) 90 (300)					
	PDV 072° 103.4 (55.9) 180 (600)	132° 57.3 (30.9)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
	BGS 220° 112.8 (60.9) 60 (200)					
Note: ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L610 (RNAV 5)</b>  <b>▲VADEN (FIR BDRY)</b> 420356N 0271258E  <b>▲UTEKA (FIR BDRY)</b> 435444N 0222332E	Total DIST km (NM) 443.6 (239.5)					<i>For continuation see AIP Turkey</i>  <b>CDR 1 H24</b> ALTN route: VADEN Y520 UTEKA or by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>
	BGS 199° 63.7 (34.4) 60 (200)	294° 443.6 (239.5)	<u>FL 660</u> FL 245	↓	+ / - 5NM	
	SOF 324° 157.3 (84.9) 540 (1800)		Class C			

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L614 (RNAV 5)</b>  <b>▲NISVA (FIR BDRY)</b> 425822N 0224751E  <b>BAILOVO</b> <b>△DVOR/DME (BLO)</b> 424002N 0234850E  <b>▲DEDIN</b> 423539N 0240446E  <b>△GERGI</b> 421100N 0253119E  <b>▲ADORU (FIR BDRY)</b> 415218N 0263406E	Total DIST km (NM) 333.5 (180.2)					<i>For continuation see AIP Serbia/ Montenegro</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>DEDIN - GERGI</b> 10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: NISVA N739 ADORU  <b>GERGI - ADORU</b> 10500 FT ALT - FL 135 <b>CDR 1</b> H24 ALTN route: NISVA N739 ADORU  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	SOF 297° 57.2 (30.9) 540 (1800)	107° 89.8 (48.5)	FL 660 6000 FT ALT  Class C	↓	+ / - 5NM	
	NIL	105°/285° 23.2 (12.6)	FL 660 8000 FT ALT  Class C	↓ ↑	+ / - 5NM	
	BLO 105° 23.2 (12.6) 930 (3100)	105° 127.2 (68.7)		↓	+ / - 5NM	
	PDV 069° 55.3 (29.9) 180 (600)	106° 93.3 (50.4)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	
	BGS 220° 112.8 (60.9) 60 (200)					
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency			
1	2	3	4	5	6	7			
<b>L615 (RNAV 5)</b>	Total DIST km (NM) 392.2 (211.8)					<i>For continuation see AIP Turkey</i>			
	<b>▲ VADEN (FIR BDRY)</b> 420356N 0271258E	BGS 199° 63.7 (34.4) 60 (200)	287° 343.5 (185.5)	FL 660 FL 245  Class C	↓		+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>OGOTA - DOLAP</b> 9500 FT ALT- FL 215 <b>CDR1</b> H24 ALTN route: by ATC clearance	
	<b>△ OGOTA</b> 431251N 0231936E	SOF 350° 57.6 (31.1) 540 (1800)							
	<b>▲ DOLAP (FIR BDRY)</b> 432227N 0224606E	SOF 321° 90.6 (48.9) 540 (1800)	286° 48.7 (26.3)	FL 660 9500 FT ALT  Class C			+ / - 5NM		FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
									<i>For continuation see AIP Serbia/ Montenegro</i>
<b>Note:</b> ▲ - Compulsory △ - On- request									



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>L619</b> <b>(RNAV 5)</b>  <b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>▲ SITNO</b> 425540N 0281210E  <b>VARNA</b> <b>△ DVOR/DME (WRN)</b> 431352N 0274902E  <b>▲ BALIK</b> 434036N 0271800E  <b>▲ ARGES (FIR BDRY)</b> 440456N 0264936E	Total DIST km (NM) 284.1 (153.3)					<i>For continuation see AIP Turkey</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>WRN - BALIK</b> 5000 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>	
	BGS 103° 140.0 (75.6) 60 (200)	312° 114.2 (61.6)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM		
	WRN 131° 46.1 (24.9) 60 (200)	311° 46.1 (24.9)	FL 660 5000 FT ALT  Class C		+ / - 5NM		
	NIL	314° 64.8 (35.0)	FL 660 10500 FT ALT  Class C		+ / - 5NM		
	WRN 314° 64.8 (35.0) 60 (200)	314° 59.0 (31.8)	FL 660 10500 FT ALT  Class C		+ / - 5NM		
	WRN 314° 123.8 (66.8) 60 (200)						

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L620 (RNAV 5)</b>	Total DIST km (NM) 179.7 (97.0)					<i>For continuation see AIP Romania</i>
▲ <b>DINRO (FIR BDRY)</b> 434200N 0284830E	WRN 051° 95.6 (51.6) 60 (200)	175° 71.2 (38.4)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
△ <b>MATEL</b> 430333N 0284731E	WRN 097° 81.6 (44.0) 60 (200)					
▲ <b>RIXEN (FIR BDRY)</b> 420456N 0284558E	BGS 113° 115.7 (62.5) 60 (200)	175° 108.5 (58.6)				
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>L621 (RNAV 5)</b>	Total DIST km (NM) 154.5 (83.4)					<i>For continuation see AIP Turkey</i>	
	▲ <b>ODERO (FIR BDRY)</b> 423638N 0301552E	WRN 102° 211.4 (114.1) 60 (200)	318° 154.5 (83.4)	FL 660	↓		+ / - 5NM
		▲ <b>REVDA (FIR BDRY)</b> 434400N 0290836E		WRN 056° 120.9 (65.3) 60 (200)			
						<i>For continuation see AIP Romania</i>	
<b>Note:</b> ▲ - Compulsory △ - On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L622 (RNAV 5)</b>	Total DIST km (NM) 329.1 (177.8)					<i>For continuation see AIP Turkey</i>
▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	287° 96.6 (52.2)	FL 660 <u>5500 FT ALT</u>  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>MAKOL - VABUR</b> 5500 FT ALT - FL 245 CDR 1 H24 ALTN Route: MAKOL L602 RUTAR T228 BGS  <b>VABUR - BGS</b> CDR 1 H24 ALTN Route: MAKOL L602 RUTAR T228 BGS  <b>BGS - GONGO</b> FL 245 - FL 660 CDR 1 H24 ALTN Route: MAKOL L602  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
▲ <b>VABUR</b> 423011N 0280335E	BGS 096° 43.9 (23.7) 60 (200)	277° 43.9 (23.7)	FL 660 <u>5000 FT ALT</u>  Class C		+ / - 5NM	
△ <b>BURGAS DVOR/ DME (BGS)</b> 423514N 0273217E	NIL	318° 70.2 (37.9)	FL 660 <u>5000 FT ALT</u>  Class C		+ / - 5NM	
▲ <b>GONGO</b> 430553N 0270157E	WRN 251° 65.5 (35.4) 60 (200)	320° 13.5 (7.3)	FL 660 <u>10500 FT ALT</u>  Class C		+ / - 5NM	
△ <b>EKSOL</b> 431156N 0265625E	WRN 262° 71.3 (38.5) 60 (200)	321° 104.9 (56.7)	FL 660 <u>11500 FT ALT</u>  Class C		+ / - 5NM	
▲ <b>KOMAN (FIR BDRY)</b> 435900N 0261300E	GRN 018° 100.8 (54.5) 90 (300)					

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>L742 (RNAV 5)</b>	Total DIST km (NM) 306.2 (165.3)					<i>For continuation see AIP Romania</i>	
<b>▲ BULEN (FIR BDRY)</b> 434500N 0254900E	GRN 002° 66.8 (36.1) 90 (300)	127° 91.7 (49.5)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>ESENA - BGS</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: BULEN L605 RIXEN or by ATC clearance  <b>BGS - MEDEM</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance  <b>MEDEM - RIXEN</b> 10500 FT ALT - FL 245 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2	
△ <b>ALIVI</b> 431114N 0263845E	GRN 081° 76.0 (41.1) 90 (300)	128° 25.6 (13.8)	Class <b>C</b>		+ / - 5NM		
<b>▲ ESENA</b> 430137N 0265221E	BGS 306° 73.1 (39.5) 60 (200)	126° 73.1 (39.5)	FL 660 5000 FT ALT		+ / - 5NM		
<b>BURGAS</b> △ <b>DVOR/DME (BGS)</b> 423514N 0273217E	NIL	115° 41.6 (22.4)	Class <b>C</b>		+ / - 5NM		
<b>▲ MEDEM</b> 422342N 0275818E	BGS 115° 41.6 (22.4) 60 (200)	112° 74.2 (40.1)	FL 660 10500 FT ALT		+ / - 5NM		
<b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	BGS 113° 115.7 (62.5) 60 (200)		Class <b>C</b>				
<b>Note:</b> ▲ - Compulsory △ - On-request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits	Odd	Even		
1	2	3	4	5		6	7
<b>L743 (RNAV 5)</b>	Total DIST km (NM) 150.8 (81.5)						All ATS route segments (laterally and vertically) are PERM except:  <b>MATEL - REVDA</b> 10500 FT ALT - FL 245 <b>CDR1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
	▲ <b>XILTI</b> 423835N 0280814E	BGS 077° 49.6 (26.8) 60 (200)	043° 70.7 (38.2)		↓	+ / - 5NM	
	△ <b>MATEL</b> 430333N 0284731E	WRN 097° 81.6 (44.0) 60 (200)		FL 660 10500 FT ALT			
	▲ <b>REVDA (FIR BDRY)</b> 434400N 0290836E	WRN 056° 120.9 (65.3) 60 (200)	015° 80.1 (43.3)	Class <b>C</b>	↓	+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>L744 (RNAV 5)</b>	Total DIST km (NM) 404.9 (218.7)					For continuation see AIP Romania	
▲ <b>BULEN (FIR BDRY)</b> 434500N 0254900E	GRN 002° 66.8 (36.1) 90 (300)	103° 91.6 (49.5)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM		
▲ <b>EXIGA</b> 432833N 0265313E	WRN 284° 80.2 (43.3) 60 (200)	104° 26.4 (14.2)	FL 660 5000 FT ALT  Class C	↓	+ / - 5NM		
△ <b>ELRUR</b> 432347N 0271137E	WRN 284° 53.8 (29.1) 60 (200)	104°/284° 53.8 (29.1)					
<b>VARNA</b> △ <b>DVOR/DME (WRN)</b> 431352N 0274902E	NIL	097°/278° 60.1 (32.5)	FL 660 5500 FT ALT Class C	↑	+ / - 5NM		
▲ <b>IVGOT</b> 430618N 0283211E	WRN 097° 60.1 (32.5) 60 (200)	098°/278° 21.4 (11.6)					
△ <b>MATEL</b> 430333N 0284731E	WRN 097° 81.6 (44.0) 60 (200)	097° 151.6 (81.8)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM		
▲ <b>UDROS</b> 424420N 0303546E	WRN 097° 233.1 (125.9) 60 (200)						
							FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
							For continuation see AIP Turkey

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L746 (RNAV 5)</b>  <b>▲ ODERO (FIR BDRY)</b> 423638N 0301525E  <b>▲ LUGEB (FIR BDRY)</b> 434408N 0283004E	Total DIST km (NM) 190.2 (102.7)					<i>For continuation see AIP Turkey</i>
	WRN 102° 211.4(114.1) 60 (200)	306° 190.2 (102.7)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  10500 FT ALT - FL 245 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	WRN 039° 78.8 (42.5) 60 (200)		Class <b>C</b>			

**Note:**  
▲ - Compulsory  
△ - On- request



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L852 (RNAV 5)</b>  <b>▲ NEGEM (FIR BDRY)</b> 422742N 0295213E  <b>△ RITAG</b> 423509N 0293328E  <b>▲ KOMAN (FIR BDRY)</b> 435900N 0261300E	Total DIST km (NM) 341.5 (184.4)					<i>For continuation see AIP Turkey</i>
	WRN 110° 188.3 (101.7) 60 (200)	292° 29.1 (15.7)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>RITAG - KOMAN</b> FL 175 - FL 245 <b>CDR 1</b> H24 ALTN route: RITAG Y195 NESAR L602 KOMAN  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	WRN 110° 159.2 (86.0) 60 (200)		Class C			
	GRN 018° 100.8 (54.5) 90 (300)	295° 312.4 (168.7)	FL 660 FL 175		+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>L863 (RNAV 5)</b>	Total DIST km (NM) 179.1 (96.6)					<i>For continuation see AIP Greece</i>	
	▲ <b>EVIVI (FIR BDRY)</b> 412410N 0232720E	PDV 234° 138.5 (74.8) 180 (600)	329° 108.3 (58.5)	FL 660 10200 FT ALT Class C	↓		+ / - 5NM
	▲ <b>EDIKA</b> 421637N 0225243E	SOF 217° 62.9 (33.9) 540 (1800)	328° 39.4 (21.2)	FL 660 8000 FT ALT Class C			+ / - 5NM
	▲ <b>BAVGA</b> 423538N 0223954E	SOF 254° 60.5 (32.7) 540 (1800)	328° 31.4 (16.9)	FL 660 10500 FT ALT Class C			+ / - 5NM
	▲ <b>OKANA (FIR BDRY)</b> 425047N 0222935E	SOF 278° 75.2 (40.6) 540 (1800)					

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
			Lower Limits  Airspace classification				
1	2	3	4	5	6	7	
<b>L867 (RNAV 5)</b>	Total DIST km (NM) 281.2 (151.9)					<i>For continuation see AIP Romania</i>  <b>CDR1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>	
	<b>▲ TIMUR (FIR BDRY)</b> 434120N 0241421E	GOL 356° 66.0 (35.6) 420 (1400)	126° 281.2 (151.9)	FL 660 FL 135	↓		+ / - 5NM
	<b>▲ RILEX (FIR BDRY)</b> 415816N 0264559E	BGS 217° 93.5 (50.5) 60 (200)		Class C			

**Note:**  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>L919 (RNAV 5)</b>	Total DIST km (NM) 172.6 (93.2)					<i>For continuation see AIP Romania</i>
<b>▲ DINRO (FIR BDRY)</b> 434200N 0284830E	WRN 051° 95.6 (51.6) 60 (200)	231° 35.2 (19.0)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>DINRO - GOSLO</b> 10500 FT ALT - FL 245 CDR1 H24 ALTN route: by ATC clearance  <b>GOSLO - WRN</b> 5000 FT ALT - FL 245 CDR1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>▲ GOSLO</b> 433143N 0282631E	WRN 051° 60.5 (32.6) 60 (200)		FL 660 5000 FT ALT Class C	↓ ↑	+ / - 5NM	
<b>VARNA</b> △ DVOR/DME (WRN) 431352N 0274902E	NIL	231°/ 051° 60.5 (32.6)	Class C	↓ ↑	+ / - 5NM	
<b>▲ TUGSO</b> 425614N 0273453E	WRN 205° 37.9 (20.5) 60 (200)	205°/ 025° 37.9 (20.5)	FL 245 5000 FT ALT Class C	↑ ↓	+ / - 5NM	
<b>BURGAS</b> △ DVOR/DME (BGS) 423514N 0273217E	NIL	179°/ 359° 39.0 (21.1)	Class C	↓ ↑	+ / - 5NM	
				↓		
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
			Lower Limits				Airspace classification
1	2	3	4	5	6	7	
<b>M19 (RNAV 5)</b>	Total DIST km (NM) 395.3 (213.4)					<i>For continuation see AIP Serbia/ Montenegro</i>	
	<b>▲ ETIDA (FIR BDRY)</b> 434109N 0222504E	SOF 319° 135.2 (73.0) 540 (1800)	117° 54.5 (29.4)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>ETIDA - ADVER</b> 10500 FT ALT - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance
	<b>▲ ADVER</b> 432520N 0225912E	SOF 333° 86.9 (46.9) 540 (1800)		FL 660 8000 FT ALT			
	<b>△ PENEV</b> 430154N 0234834E	GOL 253° 34.2 (18.5) 420 (1400)	117° 79.7 (43.0)	FL 660 8300 FT ALT	+ / - 5NM	+ / - 5NM	<b>LETVA - ADORU</b> 10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: ETIDA M19 (Above FL 215) PENEV N127 LARAT N739 ADORU or by ATC clearance
	<b>▲ LETVA</b> 425100N 0241104E	GOL 181° 27.4 (14.8) 420 (1400)	118° 36.7 (19.8)	FL 660 8300 FT ALT			
	<b>▲ ADORU (FIR BDRY)</b> 415218N 0263406E	BGS 220° 112.8 (60.9) 60 (200)	113° 224.4 (121.2)	FL 660 10500 FT ALT	+ / - 5NM	+ / - 5NM	FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
							<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>M748 (RNAV 5)</b>	Total DIST km (NM) 83.7 (45.2)					<i>For continuation see AIP Romania</i>
<b>▲OSTOV (FIR BDRY)</b> 434700N 0234800E	GOL 331° 83.7 (45.2) 420 (1400)	150° 46.4 (25.0)	FL 660 FL 165  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>OSTOV - BESLI</b> FL 165 - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>BESLI - GOL</b> 10500 FT ALT - FL 155 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>▲BESLI</b> 432408N 0240203E	GOL 331° 37.3 (20.2) 420 (1400)		FL 660 10500 FT ALT  Class C		+ / - 5NM	
<b>GOLYAMA</b> <b>▲VOR/DME (GOL)</b> 430542N 0241314E	NIL	151° 37.3 (20.2)				
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>M987 (RNAV 5)</b>	Total DIST km (NM) 270.1 (145.9)					<i>For continuation see AIP Greece</i>	
	<b>▲ ATFIR (FIR BDRY)</b> 412406N 0234629E	PDV 227° 116.8 (63.1) 180 (600)	014° 270.1 (145.9)	↓	+ / - 5NM		<b>CDR 1 H24</b> ALTN route: ATFIR N133 USALI Q24 GOL Q24 (Above FL 155) SOMOV  FREQ: See ENR 2.1 and ENR 6.2-2
	<b>▲ SOMOV (FIR BDRY)</b> 434200N 0245100E	GOL 032° 84.4 (45.6) 420 (1400)					
<b>Note:</b> ▲ - Compulsory △ - On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N127 (RNAV 5)</b>	Total DIST km (NM) 251.2 (135.6)					<i>For continuation see AIP Romania</i>
<b>▲OSTOV (FIR BDRY)</b> 434700N 0234800E	GOL 331° 83.7 (45.2) 420 (1400)	174° 34.7 (18.7)	FL 660 FL 165  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>OSTOV - INBOL</b> FL 165 - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>INBOL - ROVAM</b> 10500 FT ALT - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>DILVO - ОТКОК</b> 10500 FT ALT - FL 165 <b>CDR 1</b> H24 ALTN route: by ATC clearance
△INBOL 432815N 0234814E	GOL 316° 53.7 (29.0) 420 (1400)	174° 20.7 (11.2)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
△LUKOV 431705N 0234822E	GOL 297° 39.7 (21.5) 420 (1400)	174° 14.8 (8.0)	FL 660 8000 FT ALT  Class C		+ / - 5NM	
<b>▲ROVAM</b> 430904N 0234828E	GOL 275° 34.2 (18.4) 420 (1400)	174° 13.3 (7.2)	FL 660 8000 FT ALT  Class C		+ / - 5NM	
△PENEV 430154N 0234834E	GOL 253° 34.2 (18.5) 420 (1400)	174° 40.5 (21.9)	FL 660 6000 FT ALT  Class C		+ / - 5NM	
<b>BAILOVO</b> △DVOR/DME (BLO) 424002N 0234850E	NIL	160°/340° 19.0 (10.2)	FL 660 6000 FT ALT  Class C		↓ ↑ + / - 5NM	
△LARAT 423006N 0235216E	BLO 160° 19.0 (10.2) 930 (3100)	160° 22.0 (11.9)	FL 660 10500 FT ALT  Class C		↓ + / - 5NM	
<b>▲DILVO</b> 421836N 0235613E	BLO 160° 41.0 (22.1) 930 (3100)	164° 35.1 (18.9)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
△ОТКОК 415958N 0240045E	PDV 260° 71.8 (38.8) 180 (600)	165° 51.1 (27.6)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
<b>▲NIKTI (FIR BDRY)</b> 413247N 0240718E	PDV 223° 84.3 (45.5) 180 (600)				+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On-request						FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2 <i>For continuation see AIP Greece</i>



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>N131 (RNAV 5)</b>	Total DIST km (NM) 233.3 (125.9)					<i>For continuation see AIP Serbia/ Montenegro</i>	
	<b>▲ NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 297° 57.2 (30.9) 540 (1800)	132° 101.9 (55.0)	FL 660 9800 FT ALT	↓		+ / - 5NM
	<b>▲ USALI</b> 421807N 0233844E	BLO 194° 42.9 (23.1) 930 (3100)		FL 660 10800 FT ALT			
	<b>△ ОТКОК</b> 415958N 0240045E	PDV 260° 71.8 (38.8) 180 (600)	133° 86.1 (46.5)	FL 660 10500 FT ALT			+ / - 5NM
	<b>▲ RODIP (FIR BDRY)</b> 412515N 0244204E	PDV 186° 71.7 (38.7) 180 (600)		Class C			
						<i>For continuation see AIP Greece</i>	
<b>Note:</b> ▲ - Compulsory △ - On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N133 (RNAV 5)</b>  <b>▲ ATFIR (FIR BDRY)</b> 412406N 0234629E  <b>△ USALI</b> 421807N 0233844E  <b>△ OGOTA</b> 431251N 0231936E  <b>▲ RESLA</b> 431942N 0231846E  <b>△ ERDOM</b> 433103N 0231721E  <b>▲ LOMOS (FIR BDRY)</b> 435000N 0231500E	Total DIST km (NM) 274.2 (148.1)				<i>For continuation see AIP Greece</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>OGOTA - RESLA</b> 8000 FT ALT - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>RESLA - LOMOS</b> FL 125 - FL 215 <b>CDR 1</b> H24 ALTN route: by ATC clearance   FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>	
	PDV 227° 116.8 (63.1) 180 (600)	349° 100.6 (54.3)	FL 660 11500 FT ALT  Class C	↓		+ / - 5NM
	BLO 194° 42.9 (23.1) 930 (3100)		340° 104.6 (56.5)			
	SOF 350° 57.6 (31.1) 540 (1800)	350° 12.7 (6.9)	FL 660 8000 FT ALT  Class C	+ / - 5NM		
	SOF 350° 70.3 (38.0) 540 (1800)	350° 21.1 (11.4)	FL 660 FL 125  Class C	+ / - 5NM		
	GOL 297° 89.0 (48.0) 420 (1400)	350° 35.2 (19.0)	FL 660 FL 125  Class C	+ / - 5NM		
	GOL 311° 113.6 (61.3) 420 (1400)	350° 35.2 (19.0)	FL 660 FL 125  Class C	+ / - 5NM		

Note:  
▲ - Compulsory  
△ - On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N181 (RNAV 5)</b>  <b>▲ TIMUR (FIR BDRY)</b> 434120N 0241421E  <b>GOLYAMA</b> <b>△ VOR/DME (GOL)</b> 430542N 0241314E  <b>▲ NIKTI (FIR BDRY)</b> 413247N 0240718E	Total DIST km (NM) 238.2 (128.6)					<i>For continuation see AIP Romania</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>TIMUR - GOL</b> 10500 FT ALT - FL 155 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>GOL - NIKTI</b> <b>CDR 1</b> H24 ALTN route: GOL Q24 BLO N127 NIKTI  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Greece</i>
	GOL 356° 66.0 (35.6) 420 (1400)	176° 66.0 (35.6)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	
	NIL					
	PDV 223° 84.3 (45.5) 180 (600)	177° 172.2 (93.0)			+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N188 (RNAV 5)</b>  <b>BAILOVO</b> △ DVOR/DME (BLO) 424002N 0234850E  △ TODRO 425513N 0232145E  ▲ GODEK (FIR BDRY) 430736N 0225922E	Total DIST km (NM) 84.5 (45.7)					FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>
	NIL	302° 46.4 (25.1)	FL 660 8000 FT ALT  Class C	↓	+ / - 5NM	
	SOF 350° 24.8 (13.4) 540 (1800)					
	SOF 320° 57.7 (31.2) 540 (1800)	302° 38.1 (20.6)	FL 660 9000 FT ALT  Class C		+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N600 (RNAV 5)</b>	Total DIST km (NM) 173.6 (93.7)					<i>For continuation see AIP Turkey</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>RORKI - REVDA</b> 10500 FT ALT - FL 245 CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
	<b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	354° 102.8 (55.5)	↓	+ / - 5NM	
	<b>△ RORKI</b> 430546N 0290836E	WRN 092° 108.9 (58.8) 60 (200)				
	<b>▲ REVDA (FIR BDRY)</b> 434400N 0290836E	WRN 056° 120.9 (65.3) 60 (200)	354° 70.8 (38.2)		+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N604 (RNAV 5)</b>	Total DIST km (NM) 171.7 (92.8)					<i>For continuation see AIP Turkey</i>
	<b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	039° 66.4 (35.9)	↓	+ / - 5NM	
	<b>△ NASEM</b> 423530N 0294257E	WRN 108° 170.5 (92.1) 60 (200)				
	<b>▲ INKOM (FIR BDRY)</b> 431512N 0303824E	WRN 083° 229.3 (123.8) 60 (200)	039° 105.3 (56.9)	↓	+ / - 5NM	
					FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2	
					<i>For continuation see AIP Ukraine</i>	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N605 (RNAV 5)</b>	Total DIST km (NM) 639.1 (344.9)					<i>For continuation see AIP Serbia/ Montenegro</i>
▲ <b>NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 297° 57.2 (30.9) 540 (1800)	078° 116.8 (63.0)	FL 660 8000 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>GOL - ALIVI</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  ** Outside HR OPS Gorna Oryahovitsa TWR, airspace classification for segments XANEX - DELIN - TUNVO - GRN -AMTOV - BODMO is Class <b>G</b> BLW 10500 FT ALT
▲ <b>GOLYAMA</b> ▲ <b>VOR/DME (GOL)</b> 430542N 0241314E	NIL	081°/261° 61.9 (33.4)	FL 660 9500 FT ALT  Class C		+ / - 5NM	
△ <b>XANEX</b> 430738N 0245849E	GRN 262° 59.6 (32.2) 90 (300)	081°/262° 15.1 (8.1)	FL 660 4200 FT ALT  Class C**	+ / - 5NM		
▲ <b>DELIN</b> 430803N 0250954E	GRN 262° 44.5 (24.0) 90 (300)	082°/262° 18.1 (9.8)	FL 660 4000 FT ALT  Class C**	+ / - 5NM		
△ <b>TUNVO</b> 430832N 0252316E	GRN 262° 26.4 (14.2) 90 (300)	082°/262° 26.4 (14.2)		+ / - 5NM		
▲ <b>GORNA</b> △ <b>DVOR/DME (GRN)</b> 430912N 0254242E	NIL	081°/261° 35.9 (19.4)	FL 660 4500 FT ALT  Class C**	+ / - 5NM		
▲ <b>AMTOV</b> 431021N 0260907E	GRN 081° 35.9 (19.4) 90 (300)	082°/262° 21.9 (11.8)		+ / - 5NM		
▲ <b>BODMO</b> 431051N 0262517E	GRN 081° 57.8 (31.2) 90 (300)	082°/262° 18.3 (9.9)	FL 660 6500 FT ALT Class C	+ / - 5NM		
△ <b>ALIVI</b> 431114N 0263845E	GRN 081° 76.0 (41.1) 90 (300)	081°/261° 24.0 (12.9)		+ / - 5NM		
△ <b>EKSOL</b> 431156N 0265625E	WRN 262° 71.3 (38.5) 60 (200)	081°/261° 14.4 (7.8)	FL 660 5000 FT ALT  Class C	+ / - 5NM		
▲ <b>TOTKA</b> 431220N 0270700E	WRN 261° 57.0 (30.8) 60 (200)	081°/261° 57.0 (30.8)		+ / - 5NM		
▲ <b>VARNA</b> △ <b>DVOR/DME (WRN)</b> 431352N 0274902E	NIL	083°/264° 229.3 (123.8)	FL 660 FL 245  Class C	↑	+ / - 5NM	
▲ <b>INKOM (FIR BDRY)</b> 431512N 0303824E	WRN 083° 229.3 (123.8) 60 (200)					
<b>Note:</b> ▲ - Compulsory △ - On- request						FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2 <i>For continuation see AIP Ukraine</i>

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N613 (RNAV 5)</b>	Total DIST km (NM) 201.3 (108.7)					<i>For continuation see AIP Ukraine</i>
	<b>▲ INKOM (FIR BDRY)</b> 431512N 0303824E	WRN 83° 229.3 (123.8) 60 (200)	224° 115.4 (62.3)	↓	+ / - 5NM	
	<b>△ RITAG</b> 423509N 0293328E	WRN 110° 159.2 (86.0) 60 (200)				
	<b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	BGS 113° 115.7 (62.5) 60 (200)	224° 85.9 (46.4)	↓	+ / - 5NM	
						<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request						



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N616 (RNAV 5)</b>	Total DIST km (NM) 179.7 (97.0)					<i>For continuation see AIP Romania</i>
	▲ <b>DINRO (FIR BDRY)</b> 434200N 0284830E	WRN 051° 95.6 (51.6) 60 (200)	175° 71.2 (38.4)	↓	+ / - 5NM	
		△ <b>MATEL</b> 430333N 0284731E				
	▲ <b>RIXEN (FIR BDRY)</b> 420456N 0284558E	BGS 113° 115.7 (62.5) 60 (200)	175° 108.5 (58.6)		+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						<i>FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2</i>  <i>For continuation see AIP Turkey</i>

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N617 (RNAV 5)</b>	Total DIST km (NM) 176.6 (95.3)					<i>For continuation see AIP Turkey</i>
	▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	007° 176.6 (95.3)	FL 660 10500 FT ALT	↓  + / - 5NM	
		▲ <b>BINBI (FIR BDRY)</b> 434306N 0293808E		WRN 063° 156.8 (84.6) 60 (200)		
					<i>For continuation see AIP Romania</i>	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N618 (RNAV 5)</b>  <b>▲ VADEN (FIR BDRY)</b> 420356N 0271258E  <b>△ BAKLO</b> 423234N 0262932E  <b>GOLYAMA</b> <b>▲ VOR/DME (GOL)</b> 430542N 0241314E  <b>▲ ETIDA (FIR BDRY)</b> 434109N 0222504E	Total DIST km (NM) 435.5 (235.2)					<i>For continuation see AIP Turkey</i>  All ATS route segments (laterally and vertically) are PERM except:  <b>VADEN - GOL</b> <b>CDR 1 H24</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO Q24 GOL or VADEN Y520 GOL  <b>ETIDA - GOL</b> 10500 FT ALT - FL 215 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>
	BGS 199° 63.7 (34.4) 60 (200)	306° 79.8 (43.1)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	
	BGS 261° 86.0 (46.4) 60 (200)	283° 195.6 (105.6)		+ / - 5NM		
	NIL					
	SOF 319° 135.2 (73.0) 540 (1800)	108° 160.1 (86.5)		↑	+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N731 (RNAV 5)</b>  <b>▲TIMUR (FIR BDRY)</b> 434120N 0241421E  <b>△LUKOV</b> 431705N 0234822E  <b>▲LETNI (FIR BDRY)</b> 420549N 0223621E	Total DIST km (NM) 221.6 (119.7)					For continuation see AIP Romania       For continuation see AIP North Macedonia
	GOL 356° 66.0 (35.6) 420 (1400)	213° 57.0 (30.8)	FL 660 FL 245  Class C	↓	+ / - 5NM	
	GOL 297° 39.7 (21.5) 420 (1400)	212° 164.6 (88.9)		↓	+ / - 5NM	
	SOF 219° 92.8 (50.1) 540 (1800)					
<b>Note:</b> ▲- Compulsory △- On- request						FREQ: See ENR 2.1 and ENR 6.2-2

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N739 (RNAV 5)</b>	Total DIST km (NM) 340.8 (184.0)					<i>For continuation see AIP Serbia/ Montenegro</i>
<b>▲NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 297° 57.2 (30.9) 540 (1800)	117° 57.2 (30.9)	FL 660 6000 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>LARAT- ADORU</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: NISVA L614 ADORU  <b>RUMEN - ROVDO</b> FL 135 - FL 165 <b>CDR 1 H24</b> ALTN route: by ATC clearance  <b>ROVDO - ADORU</b> 9500 FT ALT - FL 135 <b>CDR 1 H24</b> ALTN route: by ATC clearance
<b>SOFIA</b> △DVOR/DME (SOF) 424153N 0232322E	NIL	113° 24.7 (13.4)				
△PIDOR 423538N 0233922E	BLO 233° 15.3 (8.3) 930 (3100)	113°/293° 4.5 (2.4)				
<b>VAKAREL</b> △NDB (WAK) 423430N 0234216E	BLO 216° 13.6 (7.4) 930 (3100)	115°/296° 15.9 (8.6)				
△LARAT 423006N 0235216E	BLO 160° 19.0 (10.2) 930 (3100)	116°/296° 42.5 (22.9)				
<b>▲RUMEN</b> 421818N 0241848E	PDV 296° 54.3 (29.3) 180 (600)	116°/296° 54.3 (29.3)				
<b>PLOVDIV</b> △DVOR/DME (PDV) 420312N 0245235E	NIL	092° 47.1 (25.4)				
<b>▲ROVDO</b> 415945N 0252624E	PDV 092° 47.1 (25.4) 180 (600)	093° 94.6 (51.1)				
<b>▲ADORU (FIR BDRY)</b> 415218N 0263406E	BGS 220° 112.8 (60.9) 60 (200)					
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>N743 (RNAV 5)</b>	Total DIST km (NM) 180.3 (97.3)					<i>For continuation see AIP Romania</i>
<b>▲ DINRO (FIR BDRY)</b> 434200N 0284830E	WRN 051° 95.6 (51.6) 60 (200)	120° 180.3 (97.3)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>▲ UDROS (FIR BDRY)</b> 424420N 0303546E	WRN 097° 233.1 (125.9) 60 (200)		Class C			
						<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits  Airspace classification			
1	2	3	4	5	6	7
<b>P92 (RNAV 5)</b>  <b>▲VADEN (FIR BDRY)</b> 420356N 0271258E  <b>▲ADUNO</b> 420339N 0252708E  <b>PLOVDIV</b> <b>△DVOR/DME (PDV)</b> 420312N 0245235E  <b>▲LETNI (FIR BDRY)</b> 420549N 0223621E	Total DIST km (NM) 381.7 (206.0)					<i>For continuation see AIP Turkey</i>
	BGS 199° 63.7 (34.4) 60 (200)	265° 146.0 (78.8)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>VADEN - ADUNO</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: VADEN T227 DEDIN L614 BLO T214 LETNI  10500 FT ALT - FL 135 <b>CDR 1 H24</b> ALTN route: VADEN T227 DEDIN L614 BLO T214 LETNI
	PDV 083° 47.7 (25.7) 180 (600)	264° 47.7 (25.7)	FL 660 7000 FT ALT  Class C			+ / - 5NM
	NIL					FL 135 - FL 165 <b>CDR 1 H24</b> ALTN route: by ATC clearance
	SOF 219° 92.8 (50.1) 540 (1800)	267° 188.0 (101.5)	FL 660 11100 FT ALT  Class C		+ / - 5NM	<b>PDV - LETNI</b> <b>CDR 1 H24</b> ALTN route: PDV N739 PIDOR T214 LETNI
						FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
					<i>For continuation see AIP North Macedonia</i>	
<b>Note:</b> <b>▲</b> - Compulsory <b>△</b> - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency		
1	2	3	4	5	6	7		
<b>P127 (RNAV 5)</b>  <b>▲VELBA (FIR BDRY)</b> 415800N 0225300E  <b>PLOVDIV △DVOR/DME (PDV)</b> 420312N 0245235E  <b>▲ROVDO</b> 415945N 0252624E  <b>▲AYTEK (FIR BDRY)</b> 414829N 0262142E	Total DIST km (NM) 291.8 (157.5)					<i>For continuation see AIP North Macedonia</i>		
	SOF 202° 91.3 (49.3) 540 (1800)	081° 165.4 (89.3)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>VELBA - PDV</b> CDR 1 H24 ALTN route: by ATC clearance  <b>PDV - ROVDO</b> FL 135 - FL 165 CDR 1 H24 FL 245 - FL 660 CDR 1 H24 ALTN route: by ATC clearance  <b>ROVDO - AYTEK</b> 9500 FT ALT - FL 135 CDR 1 H24 FL 245 - FL 660 CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2		
	NIL		FL 660 7000 FT ALT  Class C					
	PDV 092° 47.1 (25.4) 180 (600)	100° 79.3 (42.8)	FL 660 9500 FT ALT  Class C		+ / - 5NM			
	PDV 097° 126.2 (68.1) 180 (600)							

**Note:**  
▲- Compulsory  
△- On- request



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>P193 (RNAV 5)</b>  <b>▲NEDSI</b> 432001N 0283323E  <b>▲REVDA (FIR BDRY)</b> 434400N 0290836E	Total DIST km (NM) 65.0 (35.1)					
	WRN 073° 61.1 (33.0) 60 (200)	041° 65.0 (35.1)	FL 660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
	WRN 056° 120.9 (65.3) 60 (200)		Class C			
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>P727 (RNAV 5)</b>  <b>▲IBLAX (FIR BDRY)</b> 415859N 0281709E  <b>▲UVUDA</b> 421331N 0274813E  <b>BURGAS</b> △DVOR/DME (BGS) 423514N 0273217E  <b>▲ARGES (FIR BDRY)</b> 440456N 0264936E	Total DIST km (NM) 269.7 (145.6)					<i>For continuation see AIP Turkey</i>
	BGS 131° 91.1 (49.2) 60 (200)	298° 48.1 (26.0)	FL 660 <hr/> 10500 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>UVUDA - BGS</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  <b>BGS - ARGES</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	BGS 146° 45.8 (24.7) 60 (200)	326° 45.8 (24.7)	FL 660 <hr/> 5000 FT ALT  Class C		+ / - 5NM	
	NIL					
	WRN 314° 123.8 (66.8) 60 (200)	335° 175.8 (94.9)	FL 660 FL 245  Class C		+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits  Airspace classification			
1	2	3	4	5	6	7
<b>P975 (RNAV 5)</b>  <b>▲RONBU (FIR BDRY)</b> 440306N 0262954E  <b>▲ARTAT (FIR BDRY)</b> 422150N 0293727E	Total DIST km (NM) 315.7 (170.5)					<i>For continuation see AIP Romania</i>  All ATS route segments (laterally and vertically) are PERM except:  FL175 - F 245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	GRN 027° 118.3 (63.9) 90 (300)	119° 315.7 (170.5)	FL 660 FL 175	↓	+ / - 5NM	
	BGS 092° 173.3 (93.6) 60 (200)		Class C			

**Note:**  
▲- Compulsory  
△- On- request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q6 (RNAV 5)</b>	Total DIST km (NM) 549.3 (296.6)					<i>For continuation see AIP Turkey</i>
<b>▲NEGEM (FIR BDRY)</b> 422742N 0295213E	WRN 110° 188.3 (101.7) 60 (200)	278° 348.7 (188.3)	FL 660 FL 245  Class C	↓	+ / - 5NM	<b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2
<b>GORNA</b> △DVOR/DME (GRN) 430912N 0254242E	NIL					
△ERDOM 433103N 0231721E	GOL 297° 89.0 (48.0) 420 (1400)	277° 200.6 (108.3)			+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q7 (RNAV 5)</b>	Total DIST km (NM) 621.1 (335.4)					<i>For continuation see AIP Serbia/ Montenegro</i>
<b>▲ETIDA (FIR BDRY)</b> 434109N 0222504E	SOF 319° 135.2 (73.0) 540 (1800)	090° 499.8 (269.9)	FL 660 FL 245  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>ETIDA - IVGOT</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance
<b>▲IVGOT</b> 430618N 0283211E	WRN 097° 60.1 (32.5) 60 (200)		FL 660 10500 FT ALT			
<b>▲ARTAT (FIR BDRY)</b> 422150N 0293727E	BGS 092° 173.3 (93.6) 60 (200)	126° 121.3 (65.5)	Class C		+ / - 5NM	
						<i>For continuation see AIP Turkey</i>
<b>Note:</b>						
▲- Compulsory						
△- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits	Odd	Even		
1	2	3	4	5		6	7
<b>Q8 (RNAV 5)</b>	Total DIST km (NM) 588.4 (317.8)						<i>For continuation see AIP Turkey</i>
<b>▲NEGEM (FIR BDRY)</b> 422742N 0295213E	WRN 110° 188.3 (101.7) 60 (200)	276° 503.7 (272.0)	FL 660 FL 245	↓		+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>NEGEM - LUKOV</b> CDR 1 H24 ALTN route: by ATC clearance  <b>LUKOV - DOLAP</b> BLW FL 215 CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>
<b>△LUKOV</b> 431705N 0234822E	GOL 297° 39.7 (21.5) 420 (1400)		FL 660 10500 FT ALT				
<b>▲RESLA</b> 431942N 0231846E	SOF 350° 70.3 (38.0) 540 (1800)	271° 44.4 (24.0)	Class C	+ / - 5NM			
<b>▲DOLAP (FIR BDRY)</b> 432227N 0224606E	SOF 321° 90.6 (48.9) 540 (1800)		FL 660 9500 FT ALT		Class C		
<b>Note:</b> ▲- Compulsory △- On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q9 (RNAV 5)</b>  <b>▲ETIDA (FIR BDRY)</b> 434109N 0222504E  <b>▲RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 548.2 (296.0)					<i>For continuation see AIP Serbia/ Montenegro</i>  <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	SOF 319° 135.2 (73.0) 540 (1800)	102° 548.2 (296.0)	FL 660 FL 245  Class C	↓	+ / - 5NM	
	BGS 113° 115.7 (62.5) 60 (200)					
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>Q12 (RNAV 5)</b>  <b>▲MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>▲OTPER</b> 430236N 0253148E  <b>▲GOGAR</b> 432320N 0235516E  <b>△ERDOM</b> 433103N 0231721E	Total DIST km (NM) 501.2 (270.7)				<i>For continuation see AIP Turkey</i>  <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2		
	BGS 103° 140.0 (75.6) 60 (200)	283° 311.9 (168.4)	↓  FL 660 FL 245  Class C				+ / - 5NM
	GRN 225° 19.2 (10.4) 90 (300)	281° 136.2 (73.6)					+ / - 5NM
	GOL 318° 40.7 (22.0) 420 (1400)						
	GOL 297° 89.0 (48.0) 420 (1400)	280° 53.1 (28.7)					+ / - 5NM

Note:  
▲- Compulsory  
△- On- request



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency		
			Lower Limits				Airspace classification	
1	2	3	4	5	6	7		
<b>Q13 (RNAV 5)</b>	Total DIST km (NM) 637.7 (344.4)					<i>For continuation see AIP Serbia/ Montenegro</i>		
	▲ NISVA (FIR BDRY) 425822N 0224751E	SOF 297° 57.2 (30.9) 540 (1800)	084° 426.4 (230.3)	FL 660 FL 245	↓		+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>NISVA - RUTAR CDR 1 H24</b> ALTN route: by ATC clearance
		▲ RUTAR 425301N 0280114E						
	▲ UDROS(FIR BDRY) 424420N 0303546E	WRN 097° 233.1 (125.9) 60 (200)	088° 211.3 (114.1)	+ / - 5NM				
<b>Note:</b> ▲ - Compulsory △ - On- request								

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q14 (RNAV 5)</b>	Total DIST km (NM) 538.4 (290.7)					<i>For continuation see AIP Turkey</i>
<b>▲MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 103° 140.0 (75.6) 60 (200)	281° 538.4 (290.7)	FL 660 FL 245	↓	+ / - 5NM	<b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>
<b>▲DOLAP (FIR BDRY)</b> 432227N 0224606E	SOF 321° 90.6 (48.9) 540 (1800)		Class C			
<b>Note:</b> ▲ - Compulsory △ - On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q15 (RNAV 5)</b>  <b>▲NISVA (FIR BDRY)</b> 425822N 0224751E  <b>▲RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 500.2 (270.1)					<i>For continuation see AIP Serbia/ Montenegro</i>  <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	SOF 297° 57.2 (30.9) 540 (1800)	094° 500.2 (270.1)	FL 660 FL 245	↓	+ / - 5NM	
	BGS 113° 115.7 (62.5) 60 (200)		Class <b>C</b>			
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>Q18 (RNAV 5)</b>	Total DIST km (NM) 638.4 (344.7)					<i>For continuation see AIP Ukraine</i>	
<b>▲INKOM (FIR BDRY)</b> 431512N 0303824E	WRN 083° 229.3 (123.8) 60 (200)	267°/ 086° 169.3 (91.4)	FL 660 <hr/> 10500 FT ALT  Class C	↑ ↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>INKOM - NEDSI</b> 10500 FT ALT - FL 245 <b>CDR 1 H24</b> ALTN route: INKOM T555 RORKI T555 MATEL L744 IVGOT  <b>NEDSI - DOLAP</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Serbia/ Montenegro</i>	
<b>▲NEDSI</b> 432001N 0283323E	WRN 073° 61.1 (33.0) 60 (200)		267° 375.7 (202.9)				FL 660 FL 245  Class C
<b>▲GOGAR</b> 432320N 0235516E	GOL 318° 40.7 (22.0) 420 (1400)	264° 93.4 (50.4)		+ / - 5NM			
<b>▲DOLAP (FIR BDRY)</b> 432227N 0224606E	SOF 321° 90.6 (48.9) 540 (1800)						
<b>Note:</b> ▲- Compulsory △- On- request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q24 (RNAV 5)</b>	Total DIST km (NM) 186.7 (100.9)					
<b>▲ USALI</b> 421807N 0233844E	BLO 194° 42.9 (23.1) 930 (3100)	004° 30.7 (16.6)	FL 660 9800 FT ALT  Class C	↓	+ / - 5NM	A II ATS route segments (laterally and vertically) are PERM except:  <b>GOL - SOMOV</b> 10500 FT ALT - FL 155 CDR 1 H24 ALTN route: by ATC clearance.  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
<b>△ VAKAREL NDB (WAK)</b> 423430N 0234216E	BLO 216° 13.6 (7.4) 930 (3100)	036° 13.6 (7.4)	FL 660 8000 FT ALT  Class C	↓	+ / - 5NM	
<b>△ BAILOVO DVOR/DME (BLO)</b> 424002N 0234850E	NIL	030°/210° 58.0 (31.3)	FL 660 8000 FT ALT  Class C	↑ ↓	+ / - 5NM	
<b>△ GOLYAMA VOR/DME (GOL)</b> 430542N 0241314E	NIL	032° 84.4 (45.6)	FL 660 10500 FT ALT  Class C	↓	+ / - 5NM	
<b>▲ SOMOV (FIR BDRY)</b> 434200N 0245100E	GOL 032° 84.4 (45.6) 420 (1400)			↓	+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On- request						


Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
			Lower Limits  Airspace classification				
1	2	3	4	5	6	7	
<b>Q26 (RNAV 5)</b>	Total DIST km (NM) 266.9 (144.1)					<i>For continuation see AIP Turkey</i>	
	▲ <b>TUDBU (FIR BDRY)</b> 415800N 0274637E	BGS 158° 71.7 (38.7) 60 (200)	309° 135.4 (73.1)	FL 660 FL 175	↓		+ / - 5NM
		Class C					
	△ <b>ETUBA</b> 424852N 0263546E	BGS 283° 81.2 (43.8) 60 (200)	308° 131.5 (71.0)	FL 660 FL 135	↓		+ / - 5NM
		Class C					
▲ <b>UPAMA (FIR BDRY)</b> 433735N 0252506E	GRN 330° 57.7 (31.2) 90 (300)						
<b>Note:</b> ▲ - Compulsory △ - On- request						<b>TUDBU - ETUBA</b> CDR 1 H24 ALTN route: by ATC clearance  <b>ETUBA - UPAMA</b> CDR 1 H24 ALTN route: by ATC clearance  <b>UPAMA ABOVE FL 245 available</b> <b>On - request</b>  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>	

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q27 (RNAV 5)</b>	Total DIST km (NM) 605.3 (326.9)					<i>For continuation see AIP Serbia/ Montenegro</i>
<b>▲ETIDA</b> 434109N 0222504E	SOF 319° 135.2 (73.0) 540 (1800)	096° 273.2 (147.5)	FL 660 FL 245	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>ETIDA - XILTI</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance
<b>GORNA</b> △DVOR/DME (GRN) 430912N 0254242E	NIL	100° 206.0 (111.3)	Class C		+ / - 5NM	
<b>▲XILTI</b> 423835N 0280814E	BGS 077° 49.6 (26.8) 60 (200)	098° 126.1 (68.1)	FL 660 10500 FT ALT		+ / - 5NM	
<b>▲ARTAT (FIR BDRY)</b> 422150N 0293727E	BGS 092° 173.3 (93.6) 60 (200)		Class C			
<b>Note:</b> ▲- Compulsory △- On- request						<i>FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2</i>  <i>For continuation see AIP Turkey</i>

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Q29 (RNAV 5)</b>  <b>▲NISVA (FIR BDRY)</b> 425822N 0224751E  <b>BURGAS △DVOR/DME (BGS)</b> 423514N 0273217E  <b>▲ARTAT (FIR BDRY)</b> 422150N 0293727E	Total DIST km (NM) 563.5 (304.3)					<i>For continuation see AIP Serbia/ Montenegro</i>
	SOF 297° 57.2 (30.9) 540 (1800)	090° 390.2 (210.7)	FL 660 FL 245  Class C		+ / - 5NM	<b>CDR 1 H24</b> ALTN route: by ATC clearance   FREQ: See ENR 2.1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	NIL					
	BGS 092° 173.3 (93.6) 60 (200)					
<b>Note:</b> ▲- Compulsory △- On- request						



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T67</b> <b>(RNAV 5)</b>  <b>▲MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>▲IVGOT</b> 430618N 0283211E	Total DIST km (NM) 115.1 (62.2)					<i>For continuation see AIP Turkey</i>    FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	BGS 103° 140.0 (75.6) 60 (200)	329° 115.1 (62.2)	FL 660 10500 FT ALT	↓	+ / - 5NM	
	WRN 097° 60.1 (32.5) 60 (200)		Class C			
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T68 (RNAV 5)</b>  <b>▲IVGOT</b> 430618N 0283211E  <b>▲RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 115.2 (62.2)					FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	WRN 097° 60.1 (32.5) 60 (200)	165° 115.2 (62.2)	FL 660 10500 FT ALT	↓	+ / - 5NM	
	BGS 113° 115.7 (62.5) 60 (200)		Class C			
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T72 (RNAV 5)</b>  <b>▲LETVA</b> 425100N 0241104E  <b>△GERGI</b> 421100N 0253119E  <b>▲RILEX (FIR BDRY)</b> 415816N 0264559E	Total DIST km (NM) 238.1 (128.6)					
	GOL 181° 27.4 (14.8) 420 (1400)	118° 132.5 (71.6)	FL660 10500 FT ALT	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>LETVA - GERGI</b> 10500 FT ALT - FL245 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>GERGI - RILEX</b> 10500 FT ALT - FL135 <b>CDR 1</b> H24 ALTN route: PENEV N127 LARAT N739 ROVDO P127 RILEX or by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
	PDV 069° 55.3 (29.9) 180 (600)		Class <b>C</b>			
	BGS 217° 93.5 (50.5) 60 (200)	097° 105.6 (57.0)			+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T86 (RNAV 5)</b>	Total DIST km (NM) 130.3 (70.4)					For continuation see AIP Turkey          FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>▲ODERO (FIR BDRY)</b> 423638N 0301552E	WRN 102° 211.4 (114.1) 60 (200)	287° 130.3 (70.4)	FL 660 10500 FT ALT	↓	+ / - 5NM	
<b>△MATEL</b> 430333N 0284731E	WRN 097° 81.6 (44.0) 60 (200)		Class C			
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T214 (RNAV 5)</b>	Total DIST km (NM) 118.0 (63.7)					
<b>BAILOVO</b> △DVOR/DME (BLO) 424002N 0234850E  △PIDOR 423538N 0233922E  ▲NAPET 421718N 0230020E  ▲LETNI (FIR BDRY) 420549N 0223621E	NIL	233° 15.3 (8.3)	FL 660 8000 FT ALT  Class C	↓	+ / - 5NM	FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  For continuation see AIP North Macedonia
	BLO 233° 15.3 (8.3) 930 (3100)	233° 63.4 (34.2)	FL 660 8600 FT ALT  Class C		+ / - 5NM	
	SOF 210° 55.4 (29.9) 540 (1800)	232° 39.3 (21.2)	FL 660 10500 FT ALT  Class C		+ / - 5NM	
	SOF 219° 92.8 (50.1) 540 (1800)					
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T219 (RNAV 5)</b>	Total DIST km (NM) 189.3 (102.2)					<i>For continuation see AIP Romania</i>
	▲ <b>IRDUM (FIR BDRY)</b> 434324N 0292322E	WRN 060° 138.5 (74.8) 60 (200)	190° 189.3 (102.2)	FL 660 ↓ 10500 FT ALT	+ / - 5NM	
		▲ <b>RIXEN (FIR BDRY)</b> 420456N 0284558E		BGS 113° 115.7 (62.5) 60 (200)		
					<i>For continuation see AIP Turkey</i>	
<b>Note:</b> ▲- Compulsory △- On- request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>T226 (RNAV 5)</b>	Total DIST km (NM) 212.1 (114.5)						
	<b>▲ARNOV</b> 424452N 0264605E	BGS 280° 65.6 (35.4) 60 (200)	292° 15.9 (8.6)	FL 660 10500 FT ALT	↓	+ / - 5NM	<b>ARNOV - ETUBA</b> CDR 1 H24
	<b>△ETUBA</b> 424852N 0263546E	BGS 283° 81.2 (43.8) 60 (200)		Class C			
	<b>▲GORNA</b> <b>△DVOR/DME (GRN)</b> 430912N 0254242E	NIL	292° 81.4 (43.9)	FL 660 FL 135		+ / - 5NM	ALTN route: GONGO L622 EKSOL N605 GRN
	<b>▲NAVOD(FIR BDRY)</b> 434521N 0243335E	GOL 015° 78.4 (42.3) 420 (1400)		Class C			
							FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
						<i>For continuation see AIP Romania</i>	
<b>Note:</b> ▲ - Compulsory △ - On-request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T227 (RNAV 5)</b>  <b>▲VADEN (FIR BDRY)</b> 420356N 0271258E  <b>▲DEDIN</b> 423539N 0240446E	Total DIST km (NM) 265.1 (143.1)					<i>For continuation see AIP Turkey</i>  All ATS route segments (laterally and vertically) are PERM except:  10500 FT ALT - FL 245 <b>CDR 1</b> H24 ALTN route: VADEN P92 PDV N739 LARAT N127 BLO  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	BGS 199° 63.7 (34.4) 60 (200)	278° 265.1 (143.1)	FL 660 10500 FT ALT	↓	+ / - 5NM	
	BLO 105° 23.2 (12.6) 930 (3100)		Class <b>C</b>			

**Note:**  
▲- Compulsory  
△- On-request



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>T228 (RNAV 5)</b>	Total DIST km (NM) 617.3 (333.5)						
<b>▲GOSLO</b> 433143N 0282631E  <b>▲RUTAR</b> 425301N 0280114E  <b>BURGAS</b> <b>△DVOR/DME (BGS)</b> 423514N 0273217E  <b>▲IXUKO</b> 423615N 0264603E  <b>▲GAPVO</b> 424054N 0240844E  <b>BAILOVO</b> <b>△DVOR/DME (BLO)</b> 424002N 0234850E  <b>△OGOTA</b> 431251N 0231936E  <b>▲BOBVO</b> 432332N 0230528E  <b>▲UTEKA (FIR BDRY)</b> 435444N 0222332E	WRN 051° 60.5 (32.6) 60 (200)	200° 79.4 (42.9)		↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>GOSLO - RUTAR</b> 5000 FT ALT - FL 245 <b>CDR 1 H24</b> ALTN route: by ATC clearance  <b>RUTAR - BGS</b> FL 245 - FL 660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  <b>BGS - IXUKO</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance or BGS L622 EKSOL N605 GOL Q24 BLO  <b>IXUKO - GAPVO</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance or BGS L622 EKSOL N605 GOL Q24 BLO  <b>OGOTA - BOBVO</b> 8000 FT ALT - FL 215 <b>CDR1 H24</b> ALTN route: by ATC clearance  <b>BOBVO - UTEKA</b> 10500 FT ALT - FL 215 <b>CDR 1 H24</b> ALTN route: by ATC clearance.  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Serbia/Montenegro</i>	
		WRN 151° 42.0 (22.7) 60 (200)	224° 51.4 (27.8)	FL 660 5000 FT ALT  Class C			+ / - 5NM
		NIL	266°/086° 63.3 (34.2)		↓		+ / - 5NM
		BGS 266° 63.3 (34.2) 60 (200)	268°/086° 215.2 (116.2)	FL 660 10500 FT ALT Class C			
		BLO 081° 27.2 (14.7) 930 (3100)	261°/081° 27.2 (14.7)	FL 660 8200 FT ALT  Class C	↑		+ / - 5NM
		NIL	322° 72.6 (39.2)		↓		+ / - 5NM
		SOF 350° 57.6 (31.1) 540 (1800)	311° 27.5 (14.9)	FL 660 8000 FT ALT  Class C			
		SOF 337° 80.9 (43.7) 540 (1800)	311° 80.7 (43.6)	FL 660 10500 FT ALT  Class C			+ / - 5NM
		SOF 324° 157.3 (84.9) 540 (1800)					

Note:  
▲ - Compulsory  
△ - On-request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T343 (RNAV 5)</b>	Total DIST km (NM) 682.8 (368.9)					<i>For continuation see AIP North Macedonia</i>
<b>▲VELBA (FIR BDRY)</b> 415800N 0225300E	SOF 202° 91.3 (49.3) 540 (1800)	040° 51.0 (27.6)	FL 660 10700 FT ALT Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>UMPIT - SOPIS</b> CDR 1 H24 ALTN route: BLO Q24 GOL N605 TOTKA or by ATC clearance.  <b>SOPIS - TOTKA</b> CDR 1 H24 ALTN route: BLO Q24 GOL N605 TOTKA or by ATC clearance.  <b>WRN - NEDSI</b> 5000 FT ALT - FL 245 CDR 1 H24 ALTN route: WRN L744 UDROS  <b>NEDSI - UDROS</b> 10500 FT ALT - FL 245 CDR1 H24 ALTN route: WRN L744 UDROS
<b>▲MOREK</b> 421731N 0231909E	SOF 182° 45.5 (24.6) 540 (1800)		FL 660 10100 FT ALT Class C			
<b>△DOTAM</b> 422124N 0232425E	SOF 173° 38.0 (20.5) 540 (1800)	040° 10.2 (5.5)	Class C			
<b>VAKAREL</b> <b>△NDB (WAK)</b> 423430N 0234216E	BLO 216° 13.6 (7.4) 930 (3100)	040° 34.5 (18.6)	FL 660 8000 FT ALT Class C			
<b>BAILOVO</b> <b>△DVOR/DME (BLO)</b> 424002N 0234850E	NIL		036° 13.6 (7.4)	Class C		
<b>▲UMPIT</b> 424647N 0241027E	BLO 062° 32.0 (17.3) 930 (3100)	062°/242° 32.0 (17.3)	FL 660 8200 FT ALT Class C	↓	+ / - 5NM	
<b>▲SOPIS</b> 425058N 0243715E	GOL 124° 42.5 (23.0) 420 (1400)		073°/253° 37.3 (20.2)			
<b>▲TOTKA</b> 431220N 0270700E	WRN 261° 57.0 (30.8) 60 (200)	073°/254° 207.2 (111.9)	FL 660 FL 135 Class C	↑	+ / - 5NM	
<b>VARNA</b> <b>△DVOR/DME (WRN)</b> 431352N 0274902E	NIL		081°/261° 57.0 (30.8)			
<b>▲NEDSI</b> 432001N 0283323E	WRN 073° 61.1 (33.0) 60 (200)	073° 61.1 (33.0)	Class C	↓	+ / - 5NM	
<b>▲UDROS (FIR BDRY)</b> 424420N 0303546E	WRN 097° 233.1 (125.9) 60 (200)		105° 178.9 (96.6)			FL 660 10500 FT ALT Class C
						FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2- 2 <i>For continuation see AIP Turkey</i>

Note:  
▲- Compulsory  
△- On-request

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>T390 (RNAV 5)</b>	Total DIST km (NM) 403.2 (217.8)					<i>For continuation see AIP Serbia/ Montenegro</i>	
<b>▲ ETIDA (FIR BDRY)</b> 434109N 0222504E	SOF 319° 135.2 (73.0) 540 (1800)	111° 201.5 (108.8)	FL 660 FL 245  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>ETIDA - GASRU</b> CDR1 H24 ALTN route: by ATC clearance	
<b>▲ SOPIS</b> 425058N 0243715E	GOL 124° 42.5 (23.0) 420 (1400)	113° 138.4 (74.8)					
<b>△ GASRU</b> 421504N 0260558E	PDV 072° 103.4 (55.9) 180 (600)	114° 63.3 (34.2)					
<b>▲ RILEX (FIR BDRY)</b> 415816N 0264559E	BGS 217° 93.5 (50.5) 60 (200)						+ / - 5NM
<b>Note:</b> ▲ - Compulsory △ - On-request							


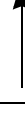

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T391 (RNAV 5)</b>  ▲ <b>GERGI</b> 421100N 0253119E  ▲ <b>AYTEK (FIR BDRY)</b> 414829N 0262142E	Total DIST km (NM) 81.1 (43.8)					<b>GERGI - AYTEK</b> 10500 FT ALT - FL 135 CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
	PDV 069° 55.3 (29.9) 180 (600)	115° 81.1 (43.8)	FL 660 10500 FT ALT	↓	+ / - 5NM	
	PDV 097° 126.2 (68.1) 180 (600)		Class C			
<b>Note:</b> ▲ - Compulsory △ - On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits Airspace classification	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T516 (RNAV 5)</b>	Total DIST km (NM) 279.3 (150.8)					<i>For continuation see AIP Greece</i>
▲ <b>ATFIR (FIR BDRY)</b> 412406N 0234629E	PDV 227° 116.8 (63.1) 180 (600)	046° 116.8 (63.1)	FL 660 FL 135  Class C	↓	+ / - 5NM	<b>CDR 1 H24</b> ALTN route: ATFIR N133 USALI Q24 GOL N605 AMTOV
△ <b>PLOVDIV DVOR/DME (PDV)</b> 420312N 0245235E	NIL			↓		
▲ <b>AMTOV</b> 431021N 0260907E	GRN 081° 35.9 (19.4) 90 (300)	034°/215° 162.5 (87.7)		↓   ↑	+ / - 5NM	FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>Note:</b> ▲ - Compulsory △ - On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits  Airspace classification			
1	2	3	4	5	6	7
<b>T517 (RNAV 5)</b>  <b>▲ IXUKO</b> 423615N 0264603E  <b>△ PLOVDIV DVOR/DME (PDV)</b> 420312N 0245235E  <b>▲ NIKTI (FIR BDRY)</b> 413247N 0240718E	Total DIST km (NM) 251.7 (135.9)					
	BGS 266° 63.3 (34.2) 60 (200)	244°/063° 167.4 (90.4)		 	+ / - 5NM	<b>CDR 1 H24</b> ALTN route: EKSOL N605 GOL Q24 BLO N127 NIKTI  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Greece</i>
	NIL		FL 660 FL 135			
	PDV 223° 84.3 (45.5) 180 (600)	223° 84.3 (45.5)	Class C		+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T555 (RNAV 5)</b>	Total DIST km (NM) 267.0 (144.2)					<i>For continuation see AIP Ukraine</i>
<b>▲INKOM (FIR BDRY)</b> 431512N 0303824E	WRN 083° 229.3 (123.8) 60 (200)	256°/075° 122.9 (66.4)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>NESAR - BGS</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance     FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>△RORKI</b> 430546N 0290836E	WRN 092° 108.9 (58.8) 60 (200)	256°/076° 28.9 (15.6)		↑	+ / - 5NM	
<b>△MATEL</b> 430333N 0284731E	WRN 097° 81.6 (44.0) 60 (200)	237° 59.9 (32.3)	↓	+ / - 5NM		
<b>▲NESAR</b> 424835N 0280830E	WRN 145° 53.8 (29.0) 60 (200)			+ / - 5NM		
<b>BURGAS</b> <b>△DVOR/DME (BGS)</b> 423514N 0273217E	NIL	238° 55.3 (29.9)	FL 660 5000 FT ALT Class C	+ / - 5NM		
<b>Note:</b> ▲- Compulsory △- On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T746 (RNAV 5)</b>  <b>▲NEGEM (FIR BDRY)</b> 422742N 0295213E  <b>△MATEL</b> 430333N 0284731E  <b>▲ARGES (FIR BDRY)</b> 440456N 0264936E	Total DIST km (NM) 305.6 (165.0)					<i>For continuation see AIP Turkey</i>
	WRN 110° 188.3 (101.7) 60 (200)	301° 110.4 (59.6)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>MATEL - ARGES</b> FL 175 - FL 245 CDR 1 H24 ALTN route: MATEL L744 WRN L619 ARGES or by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
	WRN 097° 81.6 (44.0) 60 (200)					
	WRN 314° 123.8 (66.8) 60 (200)	300° 195.2 (105.4)	FL 660 FL 175  Class C	+ / - 5NM		
<b>Note:</b> ▲- Compulsory △- On-request						



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>T777 (RNAV 5)</b>	Total DIST km (NM) 216.2 (116.7)						
	<b>BURGAS</b> △DVOR/DME (BGS) 423514N 0273217E	NIL	344° 45.6 (24.6)		↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>BGS - BUVAK</b> FL 245 - FL 660 CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
	▲BUVAK 425926N 0272615E	WRN 223° 40.9 (22.1) 60 (200)	346° 32.7 (17.7)	FL 660 5000 FT ALT  Class C		+ / - 5NM	
	△NUPVU 431656N 0272246E	WRN 273° 36.0 (19.4) 60 (200)				+ / - 5NM	
	▲BALIK 434036N 0271800E	WRN 314° 64.8 (35.0) 60 (200)	346° 44.3 (23.9)			+ / - 5NM	
	▲KOMAN (FIR BDRY) 435900N 0261300E	GRN 018° 100.8 (54.5) 90 (300)	286° 93.6 (50.5)	FL 660 10500 FT ALT Class C		+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On-request							

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>T889 (RNAV 5)</b>	Total DIST km (NM) 198.2 (107.0)					
△BAKLO 423234N 0262932E	BGS 261° 86.0 (46.4) 60 (200)	267° 198.2 (107.0)	FL 660 <hr/> 10500 FT ALT Class C	↓	+ / - 5NM	CDR 1 H24 ALTN route: by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
▲DEDIN 423539N 0240446E	BLO 105° 23.2 (12.6) 930 (3100)					
<b>Note:</b> ▲- Compulsory △- On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Y94</b> <b>(RNAV 5)</b>	Total DIST km (NM) 201.6 (108.8)					<i>For continuation see AIP Greece</i>
▲EVIVI (FIR BDRY) 412410N 0232720E	PDV 234° 138.5 (74.8) 180 (600)	353° 99.1 (53.5)	FL 660 11600 FT ALT  Class C	↓	+ / - 5NM	
▲VANET 421741N 0232437E	SOF 173° 44.8 (24.2) 540 (1800)	353° 6.9 (3.7)			+ / - 5NM	
△DOTAM 422124N 0232425E	SOF 173° 38.0 (20.5) 540 (1800)	353° 38.0 (20.5)	FL 660 9200 FT ALT Class C		+ / - 5NM	
SOFIA △DVOR/DME (SOF) 424153N 0232322E	NIL	350° 24.8 (13.4)			+ / - 5NM	
△TODRO 425513N 0232145E	SOF 350° 24.8 (13.4) 540 (1800)	350° 32.8 (17.7)	FL 660 8000 FT ALT Class C		+ / - 5NM	
△OGOTA 431251N 0231936E	SOF 350° 57.6 (31.1) 540 (1800)				+ / - 5NM	
<p><b>Note:</b> ▲- Compulsory △- On-request</p>						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Y189 (RNAV 5)</b>	Total DIST km (NM) 253.3 (136.8)					
<b>BURAS</b> △DVOR/DME (BGS) 423514N 0273217E	NIL	077° 49.6 (26.8)	FL 660 5000 FT ALT  Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>BGS - XILTI</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance     FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Turkey</i>
▲XILTI 423835N 0280814E	BGS 077° 49.6 (26.8) 60 (200)	087° 116.7 (63.0)			+ / - 5NM	
△RITAG 423509N 0293328E	WRN 110° 159.2 (86.0) 60 (200)	081° 13.0 (7.0)	FL 660 10500 FT ALT Class C		+ / - 5NM	
△NASEM 423530N 0294257E	WRN 108° 170.5 (92.1) 60 (200)	071° 74.0 (40.0)			+ / - 5NM	
▲UDROS (FIR BDRY) 424420N 0303546E	WRN 097° 233.1 (125.9) 60 (200)					
<b>Note:</b> ▲- Compulsory △- On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Y195 (RNAV 5)</b>	Total DIST km (NM) 118.7 (64.1)					
	△ <b>RITAG</b> 423509N 0293328E	WRN 110° 159.2 (86.0) 60 (200)	277° 118.7 (64.1)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM
		▲ <b>NESAR</b> 424835N 0280830E				
FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2						
<b>Note:</b> ▲- Compulsory △- On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
1	2	3	4	5	6	7
<b>Y505 (RNAV 5)</b>	Total DIST km (NM) 192.5 (104.0)					<i>For continuation see AIP Serbia/ Montenegro</i>
<b>▲NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 297° 57.2 (30.9) 540 (1800)	138° 93.7 (50.6)	FL 660 9600 FT ALT  Class C	↓	+ / - 5NM	FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2
<b>▲OMENO</b> 421749N 0232853E	SOF 165° 45.2 (24.4) 540 (1800)					
<b>▲NIKTI (FIR BDRY)</b> 413247N 0240718E	PDV 223° 84.3 (45.5) 180 (600)	142° 98.8 (53.4)	FL 660 11600 FT ALT Class C		+ / - 5NM	
<b>Note:</b> ▲- Compulsory △- On-request						

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>Y520 (RNAV 5)</b>	Total DIST km (NM) 444.6 (240.2)					<i>For continuation see AIP Turkey</i>	
<b>▲VADEN (FIR BDRY)</b> 420356N 0271258E	BGS 199° 63.7 (34.4) 60 (200)	290° 23.9 (12.9)	FL 660 10500 FT ALT Class C	↓	+ / - 5NM	All ATS route segments (laterally and vertically) are PERM except:  <b>VADEN - GOL</b> 10500 FT ALT - FL 245 CDR 1 H24 ALTN route: VADEN P92 PDV N739 LARAT N127 BLO T228 UTEKA  <b>GOL - LUKOV</b> 10500 FT ALT - FL 215 CDR 1 H24 ALTN route: by ATC clearance  <b>LUKOV - UTEKA</b> FL 125 - FL 215 CDR 1 H24 ALTN route: by ATC clearance	
<b>△OSTEX</b> 420934N 0265722E	BGS 220° 67.5 (36.4) 60 (200)	290° 88.0 (47.5)			+ / - 5NM		
<b>△DINEN</b> 422959N 0255932E	GRN 157° 76.1 (41.1) 90 (300)	290° 159.3 (86.0)			+ / - 5NM		
<b>GOLYAMA △VOR/DME (GOL)</b> 430542N 0241314E	NIL	297° 39.7 (21.5)			+ / - 5NM		
<b>△LUKOV</b> 431705N 0234822E	GOL 297° 39.7 (21.5) 420 (1400)	297° 49.2 (26.6)			+ / - 5NM		
<b>△ERDOM</b> 433103N 0231721E	GOL 297° 89.0 (48.0) 420 (1400)	296° 84.5 (45.7)			FL 660 FL 125  Class C		+ / - 5NM
<b>▲UTEKA (FIR BDRY)</b> 435444N 0222332E	SOF 324° 157.3 (84.9) 540 (1800)						
<b>Note:</b> ▲- Compulsory △- On-request						<i>FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2</i> <i>For continuation see AIP Serbia/ Montenegro</i>	

Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits	Direction of cruising levels Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency
			Lower Limits  Airspace classification			
1	2	3	4	5	6	7
<b>Y551 (RNAV 5)</b>  ▲ <b>DINEN</b> 422959N 0255932E  ▲ <b>NAVOD (FIR BDRY)</b> 434521N 0243335E	Total DIST km (NM) 181.8 (98.2)					<b>CDR 1 H24</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO T228 OGOTA N133 (Above FL 215) LOMOS or DINEN Y520 ERDOM N133 LOMOS  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  For continuation see AIP Romania
	GRN 157° 76.1 (41.1) 90 (300)	315° 181.8 (98.2)	FL 660 FL 135	↓	+ / - 5NM	
	GOL 015° 78.4 (42.3) 420 (1400)		Class C			

**Note:**  
▲ - Compulsory  
△ - On-request



Трасета за зонална навигация (RNAV)  
Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	MAG BRG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Navigation accuracy requirement	Remarks Controlling unit Frequency	
1	2	3	4	5	6	7	
<b>Y553 (RNAV 5)</b>	Total DIST km (NM) 162.5 (87.8)						
	△ <b>DINEN</b> 422959N 0255932E	GRN 157° 76.1 (41.1) 90 (300)	320° 86.8 (46.9)	FL 660 FL 135  Class C	↓	+ / - 5NM	<b>CDR 1 H24</b> ALTN route: DINEN Y520 GOL Q24 SOMOV or by ATC clearance  FREQ: See ENR 2.1, ENR 6.2-1 and ENR 6.2-2  <i>For continuation see AIP Romania</i>
		△ <b>TUNVO</b> 430832N 0252316E					
	▲ <b>SOMOV (FIR BDRY)</b> 434200N 0245100E	GOL 032° 84.4 (45.6) 420 (1400)	320° 75.7 (40.9)			+ / - 5NM	
<b>Note:</b> ▲ - Compulsory △ - On-request							

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