

### ENR 3.3 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 обслужване на въздушното движение. Те са предназначени да дадат възможност за планиране на полети по трасетата за обслужване на въздушното движение или техни части, които не се използват постоянно. Условните маршрути/ трасета се въвеждат в зони с потенциална възможност за временно разпределение, наречени с общия термин “Временно отделени зони” (TSAs). Условието за използването на CDRs се публикуват ежедневно в:

- "Airspace Use Plans" (AUPs). AUPs са налични на интернет страницата на ДП РВД - [www.bulatsa.com](http://www.bulatsa.com) или се предоставят при поискване от летищните аеронавигационни служби (ARO/Briefing offices); или

- e-AMI, разпространявано от EUROCONTROL - CFMU.

##### 1.2 Категории условни маршрути/ трасета

Условните маршрути/ трасета се делят на три различни категории в зависимост от тяхната предвидена използваемост, от потенциала им да обслужват планирани полети и от очакваното ниво на активност на съответните TSA(s). Условен маршрут/ трасе може да бъде въведено в една или повече от посочените категории:

###### 1.2.1 Категория първа (CDR 1)

- Постоянно планирани;
- Използвани в по-голяма част от периода;
- Полетите ще се планират по същия начин, както по постоянните трасета за обслужване на въздушното движение;
- Могат да се закрият с NOTAM съобщение. Всяко заобикаляне на съответни TSAs ще се извършва само по указание на органа, осъществяващ контрол на въздушното движение;
- За калкулирането на разхода на гориво, в колона “Remarks” са публикувани алтернативни трасета;
- Използват се само в периодите публикувани в колона “Remarks”.

*В случай на закритие на CDR 1, разпространено с NOTAM съобщение, информацията ще се разпространи и с e-AMI.*

###### 1.2.2 Категория втора (CDR 2)

- CDRs 2 са част от предварително определени трасови схеми, които реагират при неравномерен капацитет на секторите;
- Полетите ще се планират само съгласно условията публикувани за деня в e-AMI;

### ENR 3.3 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 identified under the generic term “Temporary Segregated Areas” (TSAs). The conditions for the use of CDRs will be daily published in:

- national "Airspace Use Plans" (AUPs). AUPs are available on the website of BULATSA - [www.bulatsa.com](http://www.bulatsa.com) or can be obtained upon request from the aerodrome ARO/Briefing offices; or
- e-AMI, distributed by EUROCONTROL - CFMU.

##### 1.2 Categories of CDRs

CDRs are divided into three different categories according to their foreseen availability, their flight planning potential and the anticipated level of activity of the associated TSA(s). A CDR can be established in one or more of the following categories:

###### 1.2.1 Category One (CDR 1)

- Permanently plannable;
- Available for most of the time;
- Flights will be planned in the same way as planned for all permanent ATS routes;
- Could be closed by NOTAM. Any re-routing around associated TSAs shall be made on ATC instructions only;
- For the fuel consumption calculation, alternate routes are published in the “Remarks” column;
- Available only during the times noted in the “Remarks” column.

*In the rare occasions of closure of a CDR 1, normally covered by a NOTAM, it shall be also repeated in the e-AMI.*

###### 1.2.2 Category Two (CDR 2)

- CDRs 2 are part of pre-defined routing scenarios which respond to specific capacity imbalances;
- Flights will be planned only in accordance with conditions daily published in the e-AMI;

- Заобикаляне ще се извършва само по указание на органа осъществяващ контрол на въздушното движение;

- За калкулирането на разхода на гориво, в колона "Remarks" са публикувани алтернативни трасета.

### 1.2.3 Категория трета (CDR 3)

- Не се планират;

- Използвани по указание на органа осъществяващ контрол на въздушното движение.

### 1.3 Периоди на ползване на условни маршрути/ трасета

Всички въздушни трасета публикувани в този раздел са постоянни трасета, освен където е указано друго в колона 6 за съответното трасе или част от него. Освен когато е указано друго условните маршрути/ трасета се използват както следва:

- Possible re-routing on ATC instructions only;

- For the calculation of fuel consumption, alternate routes are published in the "Remarks" column.

### 1.2.3 Category Three (CDR 3)

- Not plannable;

- Usable on ATC instructions as short notice only.

### 1.3 CDR Availability

All routes published in this section are permanent routes except where other is specified in column 6 for the specific route or segments. Unless otherwise stated CDR routes are available as follows:

CDR 1	MON 23:00 (22:00) - TUE 05:00 (04:00)
	TUE 23:00 (22:00) - WED 05:00 (04:00)
	WED 23:00 (22:00) - THU 05:00 (04:00)
	THU 23:00 (22:00) - FRI 05:00 (04:00)
	FRI 14:00 (13:00) - MON 05:00 (04:00)
	Official holidays and other non-working days as published in AIC

CDR 2	MON 05:00 - 23:00 (04:00 - 22:00)
	TUE 05:00 - 23:00 (04:00 - 22:00)
	WED 05:00 - 23:00 (04:00 - 22:00)
	THU 05:00 - 23:00 (04:00 - 22:00)
	FRI 05:00 - 14:00 (04:00 - 13:00)

## 2. Полети в район за полетна информация (FIR) София

- Всички трасета за обслужване на въздушното движение в контролираното въздушно пространство на FIR София и летищните контролирани райони на летища София, Варна и Бургас са трасета за зонална навигация (RNAV). Гражданските въздухоплавателни средства, изпълняващи полети по ППП в това въздушно пространство, трябва да бъдат оборудвани и да използват като минимум RNAV системи, отговарящи на необходимите навигационни характеристики (RNP5). (Виж GEN 1.5);

- Съществуващата VOR/DME инфраструктура дава възможност да се постигне RNP5 над територията на Република България, с изключение на малки райони и над неутрални води. Поради доброто радарно покритие на FIR София и района над неутрални води, за които Република България е поела отговорността за осигуряване на обслужването на въздушното движение, органът осъществяващ контрол на въздушното движение предоставя радарно обслужване при поискване от страна на командира на въздухоплавателното средство.

## 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 minimum required navigation performance (RNP5) (Basic RNAV) (See GEN 1.5);

- The established VOR/DME infrastructure ensures that the (RNP5) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L602 (RNAV 5)</b>  <b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>▲ NESAR</b> 424835N 0280830E  <b>▲ RUTAR</b> 425301N 0280114E  <b>△ NUPVU</b> 431656N 0272246E  <b>△ ELRUR</b> 432347N 0271137E  <b>▲ ATBOG</b> 433321N 0265552E  <b>▲ KOMAN (FIR BDRY)</b> 435900N 0261300E	Total DIST km (NM) 312.0 (168.4)				For continuation see AIP Turkey   <

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L605 (RNAV 5)</b>  <b>▲ BULEN (FIR BDRY)</b> 434500N 0254900E  <b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 303.8 (164.0)				<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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>1 L606</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: TIMUR N181 (Above FL155) GOL M987 BLO N127 LARAT N739 ADORU 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: TIMUR N181 GOL M987 BLO L614 ADORU  FREQ: Family Sectors Sofia  <i>For continuation see AIP Turkey</i>
	GOL 358° 66.0 (35.6) 420 (1400)	133° 86.6 (46.8)	FL660 FL105  Class C		
	GRN 263° 59.6 (32.2) 90 (300)				
	PDV 073° 103.4 (55.9) 180 (600)	132° 133.7 (72.2)			
	BGS 222° 110.5 (59.7) 60 (200)	133° 57.3 (30.9)			

Note:  
▲ - Compulsory  
△ - On- request

\*See ENR 3.3 - 2 (CDR Availability)


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)				For continuation see AIP Turkey
	BGS 200° 61.5 (33.2) 60 (200)	295° 443.6 (239.5)	<u>FL660</u> FL245		<b>1 L610</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance or VADEN Y520 UTEKA  FREQ: Family Sectors Sofia
	SOF 326° 157.3 (84.9) 540 (1800)		Class <b>C</b>		
					For continuation see AIP Serbia/Montenegro
<b>Note:</b> ▲ - Compulsory △ - On- request					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L614 (RNAV 5)</b>	Total DIST km (NM) 333.6 (180.1)				<i>For continuation see AIP Serbia/Montenegro</i>
▲ <b>NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 299° 57.2 (30.9) 540 (1800)	109° 89.8 (48.5)	FL660 9000FT ALT	↓	<b>1 DEDIN - GERGI</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: NISVA N739 ADORU 1.2 FL245 - FL660 <b>PERM</b> <b>2 GERGI - ADORU</b> 2.1 FL105 - FL135 <b>CDR 1/2*</b> ALTN route: NISVA N739 ADORU 2.2 FL135 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia
△ <b>BAILOVO DVOR/ DME (BLO)</b> 424002N 0234850E	NIL	107°/288° 23.2 (12.6)	Class C	↓ ↑	
▲ <b>DEDIN</b> 423539N 0240446E	BLO 107° 23.2 (12.6) 930 (3100)	108° 127.2 (68.7)	FL660 FL105	↓	
△ <b>GERGI</b> 421100N 0253119E	PDV 71° 55.3 (29.9) 180 (600)	107° 93.3 (50.4)	Class C		
▲ <b>ADORU (FIR BDRY)</b> 415218N 0263406E	BGS 222° 110.5 (59.7) 60 (200)				
					<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					

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


Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>L615 (RNAV 5)</b>  ▲ <b>VADEN (FIR BDRY)</b> 420356N 0271258E  △ <b>OGOTA</b> 431251N 0231936E  ▲ <b>DOLAP (FIR BDRY)</b> 432227N 0224606E	Total DIST km (NM) 392.2 (211.8)				<b>1 OGOTA - DOLAP</b> 1.1 10000FT ALT - FL215 <b>CDR1/2*</b> ALTN route: by ATC clearance or OGOTA L615 DOLAP (Above FL215) 1.2 FL215 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia  <i>For continuation see AIP Serbia/ Montenegro</i>	
	BGS 200° 61.5 (33.2) 60 (200)	289° 343.5 (185.5)	FL660 FL245  Class <b>C</b>			
	SOF 352° 57.6 (31.1) 540 (1800)					
	SOF 323° 90.6 (48.9) 540 (1800)	289° 48.7 (26.3)	FL660 10000FT ALT  Class <b>C</b>			
	<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)					



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


Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L619 (RNAV 5)</b>  <b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>▲ SITNO</b> 425540N 0281210E  <b>△ VARNADVOR/DME (WRN)</b> 431352N 0274902E  <b>▲ BALIK</b> 434036N 0271800E  <b>▲ ARGES (FIR BDRY)</b> 440456N 0264936E	Total DIST km (NM) 284.0 (153.4)				<i>For continuation see AIP Turkey</i>  <b>1 WRN - BALIK</b> 1.1 5000FT ALT - FL245 <b>CDR 1</b> H24 ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>   

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L620 (RNAV 5)</b>  <b>▲ DINRO (FIR BDRY)</b> 434200N 0284830E  <b>△ MATEL</b> 430333N 0284731E  <b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 179.8 (97.1)				<i>For continuation see AIP Romania</i>
	WRN 53° 95.6 (51.6) 60 (200)	177° 71.2 (38.4)	<u>FL660</u> <u>FL105</u>  Class <b>C</b>		
	WRN 99° 81.6 (44.0) 60 (200)				
	BGS 113° 116.2 (62.7) 60 (200)	177° 108.5 (58.6)			
					FREQ: Family Sectors Varna
				<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>L621 (RNAV 5)</b>  <b>▲ ODERO (FIR BDRY)</b> 423638N 0301552E  <b>▲ REVDA (FIR BDRY)</b> 434400N 0290836E	Total DIST km (NM) 154.5 (83.4)				<i>For continuation see AIP Turkey</i>        FREQ: Family Sectors Varna   <i>For continuation see AIP Romania</i>	
	WRN 104° 211.4 (114.1) 60 (200)	320° 154.5 (83.4)	FL660 FL105			
	WRN 58° 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency		
1	2	3	4	5	6		
<b>L622 (RNAV 5)</b>  ▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E  ▲ <b>VABUR</b> 423011N 0280335E  BURGAS VOR/DME △ (BGS) 423416N 0273112E  ▲ <b>GONGO</b> 430553N 0270157E  △ <b>EKSOL</b> 431156N 0265625E  ▲ <b>KOMAN (FIR BDRY)</b> 435900N 0261300E	Total DIST km (NM) 330.8 (178.6)				<i>For continuation see AIP Turkey</i>  <b>1 MAKOL - VABUR</b> 1.1 FL055 - FL245 <b>CDR 1</b> H24 ALTN Route: MAKOL L602 RUTAR T228 BGS 1.2 FL245 - FL660 <b>PERM</b>  <b>2 VABUR - BGS</b> 2.1 5000FT ALT - FL660 <b>CDR 1</b> H24 ALTN Route: MAKOL L602 RUTAR T228 BGS  <b>3 BGS - GONGO</b> 3.1 5000FT ALT - FL245 <b>PERM</b> 3.2 FL245 - FL660 <b>CDR 1</b> H24 ALTN Route: MAKOL L602   FREQ: Family Sectors Varna  <i>For continuation see AIP Romania</i>		
	BGS 104° 140.9 (76.1) 60 (200)	289° 96.6 (52.2)	FL660 FL055  Class <b>C</b>	↓			
	BGS 95° 45.0 (24.3) 60 (200)						
	NIL	276° 45.0 (24.3)	FL660 5000FT ALT  Class <b>C</b>				
		322° 70.8 (38.2)					
	WRN 253° 65.5 (35.4) 60 (200)	322° 13.5 (7.3)	FL660 FL105  Class <b>C</b>				
	WRN 263° 71.3 (38.5) 60 (200)						
	GRN 20° 100.9 (54.5) 90 (300)	322° 104.9 (56.7)					

Note:  
▲ - Compulsory  
△ - On- request

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency		
1	2	3	4	5	6		
<b>L742 (RNAV 5)</b>  ▲ <b>BULEN (FIR BDRY)</b> 434500N 0254900E  △ <b>ALIVI</b> 431114N 0263845E  ▲ <b>ESENA</b> 430137N 0265221E  △ <b>BURGAS VOR/DME (BGS)</b> 423416N 0273112E  ▲ <b>MEDEM</b> 422342N 0275818E  ▲ <b>RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 306.8 (165.7)			For continuation see AIP Romania			
	GRN 3° 66.9 (36.1) 90 (300)	129° 91.7 (49.5)	FL660 FL105  Class C		<b>1 ESENA - BGS</b> 1.1 5000FT ALT - FL245 <b>PERM</b> 1.2 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: BULEN L605 RIXEN or by ATC clearance  <b>2 BGS - MEDEM</b> 2.1 5000FT ALT - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance  <b>3 MEDEM - RIXEN</b> 3.1 FL105 - FL245 <b>CDR 1</b> H24 ALTN route: by ATC clearance 3.2 FL245 - FL660 <b>PERM</b>		
	GRN 83° 76.0 (41.1) 90 (300)					130° 25.6 (13.8)	
	BGS 310° 73.3 (39.6) 60 (200)	130° 73.3 (39.6)	FL660 5000FT ALT  Class C				
	NIL					114° 42.0 (22.7)	
	BGS 114° 42.0 (22.7) 60 (200)	114° 74.2 (40.1)	FL660 FL105  Class C				
	BGS 113° 116.2 (62.7) 60 (200)						
							FREQ: Family Sectors Varna
						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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L743 (RNAV 5)</b>  <b>▲ XILTI</b> 423835N 0280814E  <b>△ MATEL</b> 430333N 0284731E  <b>▲ REVDA (FIR BDRY)</b> 434400N 0290836E	Total DIST km (NM) 150.8 (81.4)				<b>1 MATEL - REVDA</b> 1.1 FL105 - FL245 <b>CDR1</b> H24 ALTN route: by ATC clearance 1.2 FL245 - FL660 PERM  <i>FREQ: Family Sectors Varna</i>  <i>For continuation see AIP Romania</i>
	BGS 77° 51.3 (27.7) 60 (200)	045° 70.7 (38.2)	FL660 FL105  Class C	↓	
	WRN 99° 81.6 (44.0) 60 (200)			↓	
	WRN 58° 120.9 (65.3) 60 (200)	017° 80.1 (43.3)			
<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>L744 (RNAV 5)</b>  ▲ <b>BULEN(FIR BDRY)</b> 434500N 0254900E  ▲ <b>EXIGA</b> 432833N 0265313E  △ <b>ELRUR</b> 432347N 0271137E  <b>VARNA DVOR/DME (WRN)</b> △ 431352N 0274902E  ▲ <b>IVGOT</b> 430618N 0283211E  △ <b>MATEL</b> 430333N 0284731E  ▲ <b>UDROS</b> 424420N 0303546E	Total DIST km (NM) 404.9 (218.6)			For continuation see AIP Romania		
	GRN 3° 66.9 (36.1) 90 (300)	105° 91.6 (49.5)	FL660 FL105  Class C			↓
	WRN 286° 80.2 (43.3) 60 (200)		105° 26.4 (14.2)	FL660 5000FT  Class C	↓	
	WRN 286° 53.8 (29.1) 60 (200)	106°/286° 53.8 (29.1)				
	NIL		099°/280° 60.1 (32.5)			
	WRN 99° 60.1 (32.5) 60 (200)	100°/280° 21.4 (11.6)				FL660 FL55  Class C
	WRN 99° 81.6 (44.0) 60 (200)		099° 151.6 (81.8)	FL660 FL105  Class C	↓	
	WRN 99° 233.1 (125.9) 60 (200)					
						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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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 104° 211.4(114.1) 60(200)	308° 190.2 (102.7)	<u>FL660</u> FL105  Class <b>C</b>	↓	<b>1 L746</b> 1.1 FL105 - FL245 <b>CDR 1 H24</b> TEMPO CLSD on ACC instructions ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family sectors Varna
	WRN 40° 78.8 (42.5) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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) 341.6 (184.4)				<i>For continuation see AIP Turkey</i>  <b>1 RITAG - KOMAN</b> 1.1 FL175 - FL245 <b>CDR 1 H24</b> TEMPO CLSD on ACC instructions ALTN route: RITAG Y195 NESAR L602 KOMAN 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna  <i>For continuation see AIP Romania</i>
	WRN 112° 188.3 (101.7) 60 (200)	294° 29.1 (15.7)	FL660 FL105  Class <b>C</b>		
	WRN 112° 159.2 (86.0) 60 (200)				
	GRN 20° 100.9 (54.5) 90 (300)	297° 312.4 (168.7)	FL660 FL175  Class <b>C</b>		
<b>Note:</b> <b>▲</b> - Compulsory <b>△</b> - On- request					

### Area Navigation (RNAV) Routes

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

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L867 (RNAV 5)</b>	Total DIST km (NM) 281.2 (151.9)				<i>For continuation see AIP Romania</i>
▲ <b>TIMUR (FIR BDRY)</b> 434120N 0241421E	GOL 358° 66.0 (35.6) 420 (1400)	129° 281.2 (151.9)	FL660 FL105  Class C	↓	<b>1 L867</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> TEMPO CLSD on ACC instructions ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>CDR1</b> H24 ALTN route: TIMUR N181 GOL M987 BLO N127 LARAT N739 ROVDO P127 RILEX  FREQ: Family Sectors Sofia
▲ <b>RILEX (FIR BDRY)</b> 415816N 0264559E	BGS 219° 91.1 (49.2) 60 (200)				
					<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>L919 (RNAV 5)</b>  ▲ <b>DINRO (FIR BDRY)</b> 434200N 0284830E  ▲ <b>GOSLO</b> 433143N 0282631E  VARNA DVOR/DME △ (WRN) 431352N 0274902E  ▲ <b>TUGSO</b> 425614N 0273453E  BURGAS VOR/DME △ (BGS) 423416N 0273112E	Total DIST km (NM) 174.5 (94.2)				For continuation see AIP Romania
	WRN 53° 95.6 (51.6) 60 (200)	233° 35.2 (19.0)	FL660 FL105  Class C	↓	<b>1 DINRO - GOSLO</b> 1.1 FL105 - FL245 <b>CDR1</b> H24 ALTN route: Y178 1.2 FL245 - FL660 <b>PERM</b>  <b>2 GOSLO - WRN</b> 2.1 5000FT ALT - FL245 <b>CDR1</b> H24 ALTN route: Y178 2.2 FL245 - FL660 <b>PERM</b>          FREQ: Family Sectors Varna FREQ: Family Sectors Sofia
	WRN 53° 60.5 (32.6) 60 (200)		FL660 5000FT ALT  Class C		
	NIL	207°/ 026° 37.9 (20.5)	FL245 5000FT ALT  Class C	↓	
	WRN 207° 37.9 (20.5) 60 (200)	183°/ 003° 41.0 (22.1)			
	NIL				
<b>Note:</b> ▲ - Compulsory △ - On- request					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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 322° 135.2 (73.0) 540 (1800)	119° 54.5 (29.4)	<u>FL660</u> FL105  Class C	↓	<b>1 ETIDA - ADVER</b> 1.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: ETIDA M19 (Above FL215) or by ATC clearance 1.2 FL215 - FL660 <b>PERM</b>  <b>2 ADVER - PENEV</b> 2.1 7000FT ALT - FL215 <b>CDR 1/2*</b> ALTN route: ETIDA M19 (Above FL215) or by ATC clearance 2.2 FL215 - FL660 <b>PERM</b>  <b>3 LETVA - ADORU</b> 3.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: ETIDA M19 (Above FL215) PENEV N127 LARAT N739 ADORU or by ATC clearance 3.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia
▲ <b>ADVER</b> 432520N 0225912E	SOF 335° 86.9 (46.9) 540 (1800)		<u>FL660</u> 7000FT ALT  Class C		
△ <b>PENEV</b> 430154N 0234834E	GOL 255° 34.2 (18.5) 420 (1400)	120° 79.7 (43.0)	<u>FL660</u> 9000FT ALT  Class C		
▲ <b>LETVA</b> 425100N 0241104E	GOL 183° 27.4 (14.8) 420 (1400)	120° 36.7 (19.8)	<u>FL660</u> FL105  Class C		
▲ <b>ADORU (FIR BDRY)</b> 415218N 0263406E	BGS 222° 110.5 (59.7) 60 (200)	115° 224.4 (121.2)	<u>FL660</u> FL105  Class C		
					<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>M748 (RNAV 5)</b>  <b>▲ OSTOV (FIR BDRY)</b> 434700N 0234800E  <b>▲ BESLI</b> 432408N 0240203E  <b>GOLYAMA VOR/DME (GOL)</b> 430542N 0241314E	Total DIST km (NM) 83.7 (45.2)				<i>For continuation see AIP Romania</i>  <b>1 OSTOV - BESLI</b> 1.1 FL165 - FL215 <b>CDR 1/2*</b> ALTN route: OSTOV M748 GOL (Above FL215) or by ATC clearance. 1.2 FL215 - FL660 <b>PERM</b>  <b>2 BESLI - GOL</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: OSTOV M748 GOL (Above FL215) or by ATC clearance. 2.2 FL215 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia
	GOL 333° 83.7 (45.2) 420 (1400)	153° 46.4 (25.0)	FL660 FL165  Class C	↓	
	GOL 333° 37.3 (20.2) 420 (1400)		FL660 FL105  Class C		
	NIL	153° 37.3 (20.2)			
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)					

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


Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>M987 (RNAV 5)</b>	Total DIST km (NM) 287.8 (155.4)				<i>For continuation see AIP Greece</i>
▲ <b>EVIVI (FIR BDRY)</b> 412410N 0232720E	PDV 235° 138.5 (74.8) 180 (600)	006° 101.1 (54.6)	FL660 FL115  Class C	↓	<b>1 GOL - SOMOV</b> 1.1 FL105 - FL155 <b>CDR 1/2*</b> TEMPO CLSD on ACC instructions ALTN route: GOL M987 SOMOV (Above FL155) or by ATC clearance 1.2 FL155 - FL660 <b>PERM</b>
▲ <b>USALI</b> 421807N 0233844E	BLO 196° 42.9 (23.1) 930 (3100)	006° 30.7 (16.6)	FL660 11000FT ALT  Class C		
△ <b>VAKAREL NDB (WAK)</b> 423430N 0234216E	BLO 218° 13.6 (7.4) 930 (3100)	038° 13.6 (7.4)	FL660 7000FT ALT  Class C		
△ <b>BAILOVO DVOR/ DME (BLO)</b> 424002N 0234850E	NIL	032°/212° 58.0 (31.3)	FL660 9000FT ALT  Class C	↑ ↓	
▲ <b>GOLYAMA VOR/ DME (GOL)</b> 430542N 0241314E	NIL	034° 84.4 (45.6)	FL660 FL105  Class C	↓	
▲ <b>SOMOV (FIR BDRY)</b> 434200N 0245100E	GOL 34° 84.4 (45.6) 420 (1400)				
					FREQ: Family Sectors Sofia
					<i>For continuation see AIP Romania</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N127 (RNAV 5)</b>	Total DIST km (NM) 251.1 (135.6)				<i>For continuation see AIP Romania</i>
▲ <b>OSTOV (FIR BDRY)</b> 434700N 0234800E	GOL 333° 83.7 (45.2) 420 (1400)	176° 34.7 (18.7)	FL660 FL165  Class C	↓	<b>1 OSTOV - INBOL</b> 1.1 FL165 - FL215 <b>CDR 1/2*</b> ALTN route: OSTOV N127 BLO (Above FL215) or by ATC clearance 1.2 FL215 - FL660 <b>PERM</b>  <b>2 INBOL - ROVAM</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: OSTOV N127 BLO (Above FL215) or by ATC clearance 2.2 FL215 - FL660 <b>PERM</b>
△ <b>INBOL</b> 432815N 0234814E	GOL 318° 53.7 (29.0) 420 (1400)	177° 20.7 (11.2)	FL660 FL105  Class C		
△ <b>LUKOV</b> 431705N 0234822E	GOL 299° 39.7 (21.5) 420 (1400)	176° 14.8 (8.0)	FL660 FL105  Class C		
▲ <b>ROVAM</b> 430904N 0234828E	GOL 278° 34.2 (18.4) 420 (1400)	176° 13.3 (7.2)	FL660 8000FT ALT  Class C		
△ <b>PENEV</b> 430154N 0234834E	GOL 255° 34.2 (18.5) 420 (1400)	176° 40.5 (21.9)	FL660 9000FT ALT  Class C		
△ <b>BAILOVO DVOR/DME (BLO)</b> 424002N 0234850E	NIL	163°/343° 19.0 (10.2)	FL660 9000FT ALT  Class C	↓ ↑	
△ <b>LARAT</b> 423006N 0235216E	BLO 163° 19.0 (10.2) 930 (3100)	163° 22.0 (11.9)	FL660 FL105  Class C	↓	
▲ <b>DILVO</b> 421836N 0235613E	BLO 163° 41.0 (22.1) 930 (3100)	167° 35.1 (18.9)	FL660 FL105  Class C	↓	
△ <b>OTKOK</b> 415958N 0240045E	PDV 262° 71.8 (38.8) 180 (600)	167° 51.1 (27.6)	FL660 FL105  Class C		
▲ <b>NIKTI (FIR BDRY)</b> 413247N 0240718E	PDV 224° 84.3 (45.5) 180 (600)				
					<i>For continuation see AIP Greece</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					




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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N131 (RNAV 5)</b>  <b>▲ NISVA (FIR BDRY)</b> 425822N 0224751E  <b>▲ USALI</b> 421807N 0233844E  <b>△ OTKOK</b> 415958N 0240045E  <b>▲ RODIP (FIR BDRY)</b> 412515N 0244204E	Total DIST km (NM) 233.3 (126.0)				For continuation see AIP Serbia/Montenegro
	SOF 299° 57.2 (30.9) 540 (1800)	134° 101.9 (55.0)	<u>FL660</u> 11000FT ALT  Class <b>C</b>		
	BLO 196° 42.9 (23.1) 930 (3100)				
	PDV 262° 71.8 (38.8) 180 (600)	135° 45.3 (24.4)	<u>FL660</u> <u>FL115</u>  Class <b>C</b>		
		PDV 188° 71.7 (38.7) 180 (600)			
FREQ: Family Sectors Sofia					
For continuation see AIP Greece					
<b>Note:</b> ▲ - Compulsory △ - On- request					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/ DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N133 (RNAV 5)</b>	Total DIST km (NM) 270.6 (146.1)				<i>For continuation see AIP Greece</i>
▲ <b>EVIVI (FIR BDRY)</b> 412410N 0232720E	PDV 235° 138.5 (74.8) 180 (600)	355° 99.1 (53.5)	FL660 FL115	↓	<b>1 OGOTA - RESLA</b> 1.1 8000FT ALT - FL215 <b>CDR 1/2*</b> ALTN route: SOF N133 LOMOS (Above FL215) or by ATC clearance 1.2 FL215 - FL660 <b>PERM</b>  <b>2 RESLA - LOMOS</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: SOF N133 LOMOS (Above FL215) or by ATC clearance 2.2 FL215 - FL660 <b>PERM</b>
▲ <b>VANET</b> 421741N 0232437E	SOF 175° 44.8 (24.2) 540 (1800)	355° 6.9 (3.7)	FL660 11000FT ALT		
△ <b>DOTAM</b> 422124N 0232425E	SOF 175° 38.0 (20.5) 540 (1800)	355° 38.0 (20.5)	FL660 10000FT ALT		
△ <b>SOFIA DVOR/DME (SOF)</b> 424153N 0232322E	NIL	352° 24.8 (13.4)	FL660 9000FT ALT		
△ <b>TODRO</b> 425513N 0232145E	SOF 352° 24.8 (13.4) 540 (1800)	352° 32.8 (17.7)	FL660 8000FT ALT		
△ <b>OGOTA</b> 431251N 0231936E	SOF 352° 57.6 (31.1) 540 (1800)	352° 12.7 (6.9)	Class C		
▲ <b>RESLA</b> 431942N 0231846E	SOF 352° 70.3 (38.0) 540 (1800)	352° 21.1 (11.4)	FL660 FL105		
△ <b>ERDOM</b> 433103N 0231721E	GOL 299° 89.0 (48.0) 420 (1400)	352° 35.2 (19.0)	Class C		
▲ <b>LOMOS (FIR BDRY)</b> 435000N 0231500E	GOL 314° 113.6 (61.3) 420 (1400)				
					<i>For continuation see AIP Romania</i>
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>N181 (RNAV 5)</b>  <b>▲ TIMUR (FIR BDRY)</b> 434120N 0241421E  <b>GOLYAMA 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>	
	GOL 358° 66.0 (35.6) 420 (1400)	178° 66.0 (35.6)	FL660 FL105  Class C		<b>1 TIMUR - GOL</b> 1.1 FL105 - FL155 <b>CDR 1/2*</b> ALTN route: TIMUR N181 GOL (Above FL155) or by ATC clearance 1.2 FL155 - FL660 <b>PERM</b>  <b>2 GOL - NIKTI</b> 2.1 FL115 - FL660 <b>CDR 1/2*</b> ALTN route: GOL M987 BLO N127 NIKTI  FREQ: Family Sectors Sofia	
	NIL					
	PDV 224° 84.3 (45.5) 180 (600)	180° 172.2 (93.0)	FL660 FL115  Class C			
						<i>For continuation see AIP Greece</i>

Note:  
▲ - Compulsory  
△ - On- request

\*See ENR 3.3 - 2 (CDR Availability)

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N188 (RNAV 5)</b>  <b>BAILOVO DVOR/DME (BLO)</b> △ 424002N 0234850E  <b>TODRO</b> △ 425513N 0232145E  <b>GODEK (FIR BDRY)</b> ▲ 430736N 0225922E	Total DIST km (NM) 84.5 (45.6)				FREQ: Family Sectors Sofia  <i>For continuation see AIP Serbia/Montenegro</i>
	NIL	304° 46.4 (25.1)	FL660 8000FT ALT  Class C	↓	
	SOF 352° 24.8 (13.4) 540 (1800)		FL660 9000FT ALT  Class C		
	SOF 323° 57.7 (31.2) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N600 (RNAV 5)</b>	Total DIST km (NM) 173.6 (93.7)				<i>For continuation see AIP Turkey</i>
▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E	BGS 104° 140.9 (76.1) 60 (200)	356° 102.8 (55.5)	FL660 FL105  Class C	↓	<b>1 RORKI - REVDA</b> 1.1 FL105 - FL245 <b>CDR 1 H24</b> ALTN route: Y192 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna
△ <b>RORKI</b> 430546N 0290836E	WRN 93° 108.9 (58.8) 60 (200)				
▲ <b>REVDA (FIR BDRY)</b> 434400N 0290836E	WRN 58° 120.9 (65.3) 60 (200)	356° 70.8 (38.2)			
					<i>For continuation see AIP Romania</i>
<b>Note:</b> ▲ - Compulsory △ - On- request					

## Area Navigation (RNAV) Routes

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

## Area Navigation (RNAV) Routes

1 **GOL - ALIVI**  
 1.1 FL155 - FL660 **CDR 1 H24**  
 ALTN route: by ATC clearance  
 1.2 BLW FL155 **CDR 1 /2\***  
 ALTN route: **GOL N605 ALIVI** (Above  
 FL155) or by ATC clearance

FREQ: Family Sectors Sofia

For continuation see AIP Ukraine

▲ - Compulsory  
△ - On- request


\*See ENR 3.3 - 2 (CDR Availability)

## Area Navigation (RNAV) Routes

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





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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N616 (RNAV 5)</b>  <b>▲ DINRO (FIR BDRY)</b> 434200N 0284830E  <b>△ MATEL</b> 430333N 0284731E  <b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 179.8 (97.1)				<i>For continuation see AIP Romania</i>          FREQ: Family Sectors Varna    <i>For continuation see AIP Turkey</i>
	WRN 53° 95.6 (51.6) 60 (200)	177° 71.2 (38.4)	<u>FL660</u> <u>FL105</u>  Class C		
	WRN 99° 81.6 (44.0) 60 (200)				
	BGS 113° 116.2 (62.7) 60 (200)	177° 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N617 (RNAV 5)</b>  ▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E  ▲ <b>BINBI (FIR BDRY)</b> 434306N 0293808E	Total DIST km (NM) 176.6 (95.3)				<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>N618 (RNAV 5)</b>  <b>▲ VADEN (FIR BDRY)</b> 420356N 0271258E  <b>△ BAKLO</b> 423234N 0262932E  <b>GOLYAMA 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>  <b>1 VADEN - GOL</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO M987 GOL 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: VADEN Y520 GOL <b>2 ETIDA - GOL</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: ETIDA N618 GOL (Above FL215) or by ATC clearance 2.2 FL215 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia  <i>For continuation see AIP Serbia/Montenegro</i>	
	BGS 200° 61.5 (33.2) 60 (200)	308° 79.8 (43.1)	FL660 FL105  Class <b>C</b>			
	BGS 264° 84.5 (45.6) 60 (200)					285° 195.6 (105.6)
	NIL					
	SOF 322° 135.2 (73.0) 540 (1800)	111° 160.1 (86.5)				

Note:  
▲ - Compulsory  
△ - On-request

\*See ENR 3.3 - 2 (CDR Availability)

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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) 221.5 (119.6)				For continuation see AIP Romania          FREQ: Family Sectors Sofia  For continuation see AIP Macedonia
	GOL 358° 66.0 (35.6) 420 (1400)	215° 57.0 (30.8)	FL660 FL245  Class C	↓	
	GOL 299° 39.7 (21.5) 420 (1400)				
	SOF 221° 92.8 (50.1) 540 (1800)	214° 164.6 (88.9)		↓	

Note:  
▲ - Compulsory  
△ - On- request

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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 299° 57.2 (30.9) 540 (1800)	119° 57.2 (30.9)	<u>FL660</u> 9000FT ALT  Class C	↓	<b>1 LARAT- ADORU</b> 1.1 BLW FL245 <b>PERM</b> 1.2 FL245 - FL660 <b>CDR 1 /2*</b> ALTN route: NISVA L614 ADORU
△ <b>SOFIA DVOR/DME (SOF)</b> 424153N 0232322E	NIL	115° 24.7 (13.4)			
△ <b>PIDOR</b> 423538N 0233922E	BLO 235° 15.3 (8.3) 930 (3100)	115°/295° 4.5 (2.4)	<u>FL660</u> 7000FT ALT  Class C	↓	
△ <b>VAKAREL NDB (WAK)</b> 423430N 0234216E	BLO 218° 13.6 (7.4) 930 (3100)	118°/298° 15.9 (8.6)			
△ <b>LARAT</b> 423006N 0235216E	BLO 163° 19.0 (10.2) 930 (3100)	118°/298° 42.5 (22.9)	<u>FL660</u> FL105  Class C	↑	
▲ <b>RUMEN</b> 421818N 0241848E	PDV 297° 54.3 (29.3) 180 (600)	118°/297° 54.3 (29.3)			
△ <b>PLOVDIV DVOR/DME (PDV)</b> 420312N 0245235E	NIL	094° 47.1 (25.5)		↓	
▲ <b>ROVDO</b> 415945N 0252624E	PDV 94° 47.1 (25.4) 180 (600)	094° 94.6 (51.1)			
▲ <b>ADORU (FIR BDRY)</b> 415218N 0263406E	BGS 222° 110.5 (59.7) 60 (200)				
					<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>N743</b> <b>(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 53° 95.6 (51.6) 60 (200)	122° 180.3 (97.3)	FL660 FL105	↓	<b>1 N743</b> 1.1 FL105 - FL245 <b>CDR 1 H24</b> ALTN route: MOSOP Y187 UDROS 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna
	WRN 99° 233.1 (125.9) 60 (200)		Class C		
▲ <b>UDROS (FIR BDRY)</b> 424420N 0303546E					<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>P92 (RNAV 5)</b>	Total DIST km (NM) 381.6 (206.1)				<i>For continuation see AIP Turkey</i>
▲ <b>VADEN (FIR BDRY)</b> 420356N 0271258E	BGS 200° 61.5 (33.2) 60 (200)	266° 146.0 (78.8)	FL660 FL105  Class C	↓	<b>1 VADEN - ADUNO</b> 1.1 FL105 - FL135 <b>CDR 1 /2*</b> ALTN route: VADEN T227 DEDIN L614 BLO T214 LETNI 1.2 FL135 - FL245 <b>PERM</b> 1.3 FL245 - FL660 <b>CDR 1 /2*</b> ALTN route: VADEN T227 DEDIN L614 BLO T214 LETNI <b>2 ADUNO - PDV</b> 2.1 FL105 - FL245 <b>PERM</b> 2.2 FL245 - FL660 <b>CDR 1 /2*</b> ALTN route: VADEN T227 DEDIN L614 BLO T214 LETNI <b>3 PDV - LETNI</b> 3.1 FL 105 - FL660 <b>CDR 1 /2*</b> ALTN route: PDV N739 PIDOR T214 LETNI  FREQ: Family Sectors Sofia
▲ <b>ADUNO</b> 420339N 0252708E	PDV 85° 47.7 (25.8) 180 (600)	265° 47.7 (25.7)			
△ <b>PLOVDIV DVOR/DME (PDV)</b> 420312N 0245235E	NIL	268° 188.0 (101.5)			
▲ <b>LETNI (FIR BDRY)</b> 420549N 0223621E	SOF 221° 92.8 (50.1) 540 (1800)				
					<i>For continuation see AIP Macedonia</i>
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<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>RILEX (FIR BDRY)</b> 415816N 0264559E	Total DIST km (NM) 322.4 (174.1)				<i>For continuation see AIP Macedonia</i>  <b>1 VELBA - PDV</b> 1.1 FL115 - FL660 <b>CDR 1/2*</b> ALTN route: (BLW FL245) VELBA T343 WAK N739 PDV <b>2 PDV - ROVDO</b> 2.1 FL105 - FL245 <b>PERM</b> 2.2 FL245 - FL660 <b>CDR 1/2*</b> ALTN route: P127 (BLW FL245) <b>3 ROVDO - RILEX</b> 3.1 FL105 - FL135 <b>CDR 1/2*</b> 3.2 FL135 - FL245 <b>PERM</b> 3.3 FL245 - FL660 <b>CDR 1/2*</b>  FREQ: Family Sectors Sofia  <i>For continuation see AIP Turkey</i>	
	SOF 204° 91.3 (49.3) 540 (1800)	083° 165.4 (89.3)	FL660 FL115	↓		
	NIL		Class C			
	PDV 94° 47.1 (25.4) 180 (600)	094° 47.1 (25.5)	FL660 FL105			
	BGS 219° 91.1 (49.2) 60 (200)	087° 110 (59.4)	Class C			
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)						




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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)				<b>1 P193</b> 1.1 FL105 - FL245 <b>CDR 1 H24</b> ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna  <i>For continuation see AIP Romania</i>
	WRN 75° 61.1 (33.0) 60 (200)	043° 65.0 (35.1)	FL660 FL105		
	WRN 58° 120.9 (65.3) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency		
1	2	3	4	5	6		
<b>P727 (RNAV 5)</b>  <b>▲ IBLAL (FIR BDRY)</b> 415856N 0280004E  <b>▲ UVUDA</b> 421331N 0274813E  <b>BURGAS VOR/DME</b> △ (BGS) 423416N 0273112E  <b>▲ ARGES (FIR BDRY)</b> 440456N 0264936E	Total DIST km (NM) 253.6 (136.9)				For continuation see AIP Turkey		
	BGS 145° 76.5 (41.3) 60 (200)	325° 31.6 (17.0)	FL660 FL105  Class C		<b>1 UVUDA - BGS</b> 1.1 5000FT - FL245 <b>PERM</b> 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance <b>2 BGS - ARGES FL 245 - FL660</b> <b>CDR 1 H24</b> ALTN route: by ATC clearance		
	BGS 145° 45.0 (24.3) 60 (200)		FL660 5000FT ALT  Class C				
	NIL	325° 45.0 (24.3)	FL660 FL245  Class C				
		WRN 316° 123.8 (66.8) 60 (200)	338° 177.1 (95.6)			FL660 FL245  Class C	
							FREQ: Family Sectors Varna
							For continuation see AIP Romania


Note:  
▲ - Compulsory  
△ - On- request

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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>  <b>1 P975</b> 1.1 FL175 - FL245 <b>CDR 1</b> H24 ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna  <i>For continuation see AIP Turkey</i>
	GRN 28° 118.3 (63.9) 90 (300)	121° 315.7 (170.5)	FL660 FL175		
	BGS 93° 174.6 (94.3) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q6 (RNAV 5)</b>  ▲ <b>NEGEM (FIR BDRY)</b> 422742N 0295213E  △ <b>GORNA VOR/DME (GRN)</b> 430911N 0254243E  △ <b>ERDOM</b> 433103N 0231721E	Total DIST km (NM) 549.3 (296.6)				<i>For continuation see AIP Turkey</i>  <b>1 Q6</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance   FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	WRN 112° 188.3 (101.7) 60 (200)	280° 348.7 (188.3)	FL660 FL245  Class <b>C</b>		
	NIL				
	GOL 299° 89.0 (48.0) 420 (1400)	278° 200.6 (108.3)			
<b>Note:</b> ▲ - Compulsory △ - On- request					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q7 (RNAV 5)</b>	Total DIST km (NM) 621.1 (335.3)				<i>For continuation see AIP Serbia / Montenegro</i>
▲ <b>ETIDA (FIR BDRY)</b> 434109N 0222504E	SOF 322° 135.2 (73.0) 540 (1800)	092° 499.8 (269.9)	FL660 FL245  Class <b>C</b>	↓	<b>1 ETIDA - IVGOT</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance <b>2 IVGOT - ARTAT</b> 2.1 FL105 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
▲ <b>IVGOT</b> 430618N 0283211E	WRN 99° 60.1 (32.5) 60 (200)		FL660 FL105  Class <b>C</b>		
▲ <b>ARTAT (FIR BDRY)</b> 422150N 0293727E	BGS 93° 174.6 (94.3) 60 (200)	128° 121.3 (65.5)			
					<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>Q8 (RNAV 5)</b>  ▲ <b>NEGEM (FIR BDRY)</b> 422742N 0295213E  △ <b>LUKOV</b> 431705N 0234822E  ▲ <b>RESLA</b> 431942N 0231846E  ▲ <b>DOLAP (FIR BDRY)</b> 432227N 0224606E	Total DIST km (NM) 588.5 (317.8)				<i>For continuation see AIP Turkey</i>  <b>1 NEGEM - LUKOV</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance <b>2 LUKOV - DOLAP</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: LUKOV Q8 DOLAP (Above FL215) or by ATC clearance 2.2 FL215 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna  <i>For continuation see AIP Serbia / Montenegro</i>	
	WRN 112° 188.3 (101.7) 60 (200)	279° 503.7 (272.0)	FL660 FL245  Class <b>C</b>	↓		
	GOL 299° 39.7 (21.5) 60 (200)		FL660 FL105  Class <b>C</b>			
	SOF 352° 70.3 (38.0) 540 (1800)	274° 40.3 (21.8)	FL660 10000FT ALT  Class <b>C</b>			
	SOF 323° 90.6 (48.9) 540 (1800)					274° 44.4 (24.0)

Note:  
▲ - Compulsory  
△ - On- request  
  
\*See ENR 3.3 - 2 (CDR Availability)

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)				For continuation see AIP Serbia / Montenegro
	SOF 322° 135.2 (73.0) 540 (1800)	104° 548.2 (296.0)	FL660 FL245	↓	<b>1 Q9</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	BGS 113° 116.2 (62.7) 60 (200)		Class <b>C</b>		
					For continuation see AIP Turkey
<b>Note:</b> ▲ - Compulsory △ - On- request					


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q12 (RNAV 5)</b>  <b>▲ MAKOL (FIR BDRY)</b> 421014N 0290834E  <b>△ ERDOM</b> 433103N 0231721E	Total DIST km (NM) 501.2 (270.6)				<i>For continuation see AIP Turkey</i>  <b>1 Q12</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	BGS 104° 140.9 (76.1) 60 (200)	285° 501.2 (270.6)	FL660 FL245		
	GOL 299° 89.0 (48.0) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q13 (RNAV 5)</b>  <b>▲ NISVA (FIR BDRY)</b> 425822N 0224751E  <b>▲ RUTAR</b> 425301N 0280114E  <b>▲ UDROS(FIR BDRY)</b> 424420N 0303546E	Total DIST km (NM) 637.7 (344.3)				For continuation see AIP Serbia / Montenegro
	SOF 299° 57.2 (30.9) 540 (1800)	087° 426.4 (230.3)	FL660 FL245  Class C		<b>1 NISVA - RUTAR</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	WRN 153° 42.0 (22.7) 60 (200)				
	WRN 99° 233.1 (125.9) 60 (200)	089° 211.3 (114.1)			
					For continuation see AIP Turkey
<b>Note:</b> ▲ - Compulsory △ - On- request					



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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q14 (RNAV 5)</b>  ▲ <b>MAKOL (FIR BDRY)</b> 421014N 0290834E  ▲ <b>DOLAP (FIR BDRY)</b> 432227N 0224606E	Total DIST km (NM) 538.4 (290.7)				<i>For continuation see AIP Turkey</i>
	BGS 104° 140.9 (76.1) 60 (200)	283° 538.4 (290.7)	FL660 FL245		<b>1 Q14</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	SOF 323° 90.6 (48.9) 540 (1800)		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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)				For continuation see AIP Serbia / Montenegro
	SOF 299° 57.2 (30.9) 540 (1800)	096° 500.2 (270.1)	FL660 FL245		<b>1 Q15</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 TEMPO CLSD on ACC instructions ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	BGS 113° 116.2 (62.7) 60 (200)		Class <b>C</b>		
					For continuation see AIP Turkey
<b>Note:</b> ▲ - Compulsory △ - On- request					


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q18 (RNAV 5)</b>  <b>▲ INKOM (FIR BDRY)</b> 431512N 0303824E  <b>▲ NEDSI</b> 432001N 0283323E  <b>▲ DOLAP (FIR BDRY)</b> 432227N 0224606E	Total DIST km (NM) 638.5 (344.8)				For continuation see AIP Ukraine
	WRN 84° 229.3 (123.8) 60 (200)	270°/ 088° 169.3 (91.4)	FL660 FL105  Class C		<b>1 INKOM - NEDSI</b> 1.1 FL105 - FL245 <b>CDR 1 H24</b> ALTN route: by ATC clearance 1.2 FL245-FL660 <b>PERM</b> <b>2 NEDSI - DOLAP</b> 2.1 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	WRN 75° 61.1 (33.0) 60 (200)				
	SOF 323° 90.6 (48.9) 540 (1800)	269° 469.2 (253.3)	FL660 FL245  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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q24 (RNAV 5)</b>  <b>▲ EVIVI (FIR BDRY)</b> 412410N 0232720E  <b>▲ SOMOV (FIR BDRY)</b> 434200N 0245100E	Total DIST km (NM) 279.7 (151.0)				For continuation see AIP Greece
	PDV 235° 138.5 (74.8) 180 (600)	021° 279.7 (151.0)	FL660 FL245  Class C		<b>1 Q24</b> 1.1 FL245 - FL660 <b>CDR 1/2*</b> ALTN route: EVIVI M987 SOMOV  FREQ: Family Sectors Sofia
	GOL 34° 84.4 (45.6) 420 (1400)				
					For continuation see AIP Romania
<b>Note:</b> ▲ - Compulsory △ - On- request *See ENR 3.3 - 2 (CDR Availability)					


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>Q26 (RNAV 5)</b>  <b>▲ TUDBU (FIR BDRY)</b> 415800N 0274637E  <b>△ ETUBA</b> 424852N 0263546E  <b>▲ UPAMA (FIR BDRY)</b> 433735N 0252506E	Total DIST km (NM) 266.9 (144.1)				For continuation see AIP Turkey	
	BGS 158° 70.4 (38.0) 60(200)	310° 135.4 (73.1)	FL660 FL245  Class <b>C</b>		<b>1 TUDBU - ETUBA</b> 1.1 FL245 - FL660 <b>CDR 1 H24</b> <b>2 ETUBA - UPAMA</b> 2.1 FL105 - FL245 <b>CDR 1/2*</b> 2.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia	
	BGS 286° 80.4 (43.4) 90(300)					
	GRN 332° 57.7 (31.2) 90(300)	310° 131.5 (71.0)	FL660 FL105  Class <b>C</b>			
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)						

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


Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>Q27 (RNAV 5)</b>  <b>▲ ETIDA</b> 434109N 0222504E  <b>GORNA VOR/DME (GRN)</b> 430911N 0254243E  <b>▲ XILTI</b> 423835N 0280814E  <b>▲ ARTAT (FIR BDRY)</b> 422150N 0293727E	Total DIST km (NM) 605.4 (326.9)				<b>1 ETIDA - XILTI</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna  <i>For continuation see AIP Turkey</i>	
	SOF 322° 135.2 (73.0) 540 (1800)	098° 273.2 (147.5)	FL660 FL245  Class <b>C</b>			
	NIL					
	BGS 77° 51.3 (27.7) 60 (200)	101° 206.0 (111.2)	FL660 FL105  Class <b>C</b>			
	BGS 93° 174.6 (94.3) 60 (200)	100° 126.1 (68.1)				
	<i>For continuation see AIP Turkey</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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Q29 (RNAV 5)</b>  ▲ <b>NISVA (FIR BDRY)</b> 425822N 0224751E  <b>BURGAS VOR/DME △ (BGS)</b> 423416N 0273112E  ▲ <b>ARTAT (FIR BDRY)</b> 422150N 0293727E	Total DIST km (NM) 563.6 (304.3)				<i>For continuation see AIP Serbia/ Montenegro</i>  <b>1 Q29</b> 1.1 FL245 - FL660 <b>CDR 1</b> H24 ALTN route: by ATC clearance  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna  <i>For continuation see AIP Turkey</i>
	SOF 299° 57.2 (30.9) 540 (1800)	092° 389.0(210.0)	FL660 FL245  Class <b>C</b>		
	NIL				
	BGS 93° 174.6 (94.3) 60 (200)	093° 174.6(94.3)			
<b>Note:</b> ▲ - Compulsory △ - On- request					



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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T67 (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: Family Sectors Varna
	BGS 104° 140.9 (76.1) 60 (200)	331° 115.1 (62.2)	FL660 FL105		
	WRN 99° 60.1 (32.5) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)			<div>↓</div>	FREQ: Family Sectors Varna  <i>For continuation see AIP Turkey</i>
	WRN 99° 60.1 (32.5) 60 (200)	166° 115.2 (62.2)	FL660 FL105		
	BGS 113° 116.2 (62.7) 60 (200)		Class <b>C</b>		
	<b>Note:</b> ▲ - Compulsory △ - On- request				

FREQ: Family Sectors Varna  
  
For continuation see AIP Turkey

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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) 238.2 (128.6)				<b>1 LETVA - GERGI</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> 1.2 FL245 - FL660 <b>PERM</b> <b>2 GERGI - RILEX</b> 2.1 FL105 - FL135 <b>CDR 1/2*</b> 2.2 FL135 - FL660 <b>PERM</b> ALTN route: PENEV N127 LARAT N739 ROVDO P127 RILEX or by ATC clearance  FREQ: Family Sectors Sofia  <i>For continuation see AIP Turkey</i>
	GOL 183° 27.4 (14.8) 420 (1400)	121° 132.5 (71.6)	FL660 FL105  Class <b>C</b>		
	PDV 71° 55.3 (29.9) 180 (600)				
	BGS 219° 91.1 (49.2) 60 (200)	098° 105.6 (57.0)			
<b>Note:</b> ▲ - Compulsory △ - On- request  *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T86 (RNAV 5)</b>  <b>▲ ODERO (FIR BDRY)</b> 423638N 0301552E  <b>△ MATEL</b> 430333N 0284731E	Total DIST km (NM) 130.3 (70.4)				For continuation see AIP Turkey          FREQ: Family Sectors Varna
	WRN 104° 211.4 (114.1) 60 (200)	289° 130.3 (70.4)	FL660 FL105  Class C		
	WRN 99° 81.6 (44.0) 60 (200)				

Note:  
▲ - Compulsory  
△ - On- request


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>T214 (RNAV 5)</b>  <b>BAILOVO DVOR/DME (BLO)</b> 424002N 0234850E  <b>PIDOR</b> 423538N 0233922E  <b>NAPET</b> 421718N 0230020E  <b>LETNI (FIR BDRY)</b> 420549N 0223621E	Total DIST km (NM) 117.9 (63.7)				FREQ: Family Sectors Sofia  <i>For continuation see AIP Macedonia</i>	
	NIL	235° 15.3 (8.3)	FL660 7000FT ALT  Class C	↓		
	BLO 235° 15.3 (8.3) 930 (3100)	235° 63.4 (34.2)	FL660 10000FT ALT  Class C			
	SOF 212° 55.4 (29.9) 540 (1800)	234° 39.3 (21.2)	FL660 FL105  Class C			
	SOF 221° 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T219 (RNAV 5)</b>  <b>▲ IRDUM (FIR BDRY)</b> 434324N 0292322E  <b>▲ RIXEN (FIR BDRY)</b> 420456N 0284558E	Total DIST km (NM) 189.3 (102.2)			<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T226 (RNAV 5)</b>  ▲ <b>ARNOV</b> 424452N 0264605E  △ <b>ETUBA</b> 424852N 0263546E  <b>GORNA VOR/DME (GRN)</b> 430911N 0254243E	Total DIST km (NM) 97.2 (52.5)				<b>1 T226</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: GONGO L622 EKSOL N605 GRN 1.2 FL245 - FL660 <b>CDR1 H24</b> ALTN route: GONGO L622 EKSOL N605 GRN  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	BGS 284° 64.7 (34.9) 60 (200)	294° 15.9 (8.6)	<u>FL660</u> FL105  Class <b>C</b>		
	BGS 286° 80.4 (43.4) 60 (200)				
	NIL	294° 81.3 (43.9)			
<b>Note:</b> ▲ - Compulsory △ - On-request  *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency		
1	2	3	4	5	6		
<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>  <b>1 T227</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Sofia		
	BGS 200° 61.5 (33.2) 60 (200)	280° 265.1 (143.1)	FL660 FL105				
	BLO 107° 23.2 (12.6) 930 (3100)		Class <b>C</b>				

Note:  
▲ - Compulsory  
△ - On-request

\*See ENR 3.3 - 2 (CDR Availability)



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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency	
1	2	3	4	5	6	
<b>T228 (RNAV 5)</b>	Total DIST km (NM) 618.3 (333.9)				<b>1 GOSLO - RUTAR</b> 1.1 5000FT ALT - FL245 <b>CDR 1 H24</b> ALTN route: Y178 or by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>	
▲ <b>GOSLO</b> 433143N 0282631E	WRN 53° 60.5 (32.6) 60 (200)	202° 79.4 (42.9)	FL660 5000FT ALT  Class C	↓	<b>2 RUTAR - BGS</b> 2.1 5000FT ALT - FL245 <b>PERM</b> 2.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance	
▲ <b>RUTAR</b> 425301N 0280114E	WRN 153° 42.0 (22.7) 60 (200)	226° 53.7 (29.0)			<b>3 BGS - IXUKO</b> 3.1 5000FT ALT - FL245 <b>CDR 1/2*</b> ALTN route: BGS L622 EKSOL N605 GOL M987 BLO 3.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance	
△ <b>BURGAS VOR/DME (BGS)</b> 423416N 0273112E	NIL	270°/089° 61.9 (33.4)			↓	<b>4 IXUKO - GAPVO</b> 4.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: BGS L622 EKSOL N605 GOL M987 BLO 4.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance
▲ <b>IXUKO</b> 423615N 0264603E	BGS 270° 61.9 (33.4) 60 (200)	269°/088° 215.2 (116.2)	FL660 FL105  Class C	↑		<b>5 OGOTA - BOBVO</b> 5.1 8000FT ALT - FL215 <b>CDR1/2*</b> ALTN route: OGOTA T228 (Above FL215) or by ATC clearance 5.2 FL215 - FL660 <b>PERM</b>
▲ <b>GAPVO</b> 424054N 0240844E	BLO 84° 27.2 (14.7) 930 (3100)	264°/084° 27.2 (14.7)	FL660 9000FT ALT  Class C			<b>6 BOBVO - UTEKA</b> 6.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: OGOTA T228 (Above FL215) or by ATC clearance. 6.2 FL215 - FL660 <b>PERM</b>
△ <b>BAILOVO DVOR/ DME (BLO)</b> 424002N 0234850E	NIL	324° 72.6 (39.2)	FL660 8000FT ALT  Class C		↓	FREQ: Family Sectors Sofia FREQ: Family Sectors Varna  For continuation see AIP Serbia/Montenegro
△ <b>OGOTA</b> 431251N 0231936E	SOF 352° 57.6 (31.1) 540 (1800)	313° 27.5 (14.9)	FL660 FL105  Class C			
▲ <b>BOBVO</b> 432332N 0230528E	SOF 340° 80.9 (43.7) 540 (1800)	313° 80.7 (43.6)				
▲ <b>UTEKA (FIR BDRY)</b> 435444N 0222332E	SOF 326° 157.3 (84.9) 540 (1800)					
<b>Note:</b> ▲ - Compulsory △ - On-request  *See ENR 3.3 - 2 (CDR Availability)						


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T268 (RNAV 5)</b>  <b>GORNA VOR/DME (GRN)</b> △ 430911N 0254243E  <b>▲ NAVOD (FIR BDRY)</b> 434521N 0243335E	Total DIST km (NM) 114.8 (62.0)				<b>1 T268</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> 1.2 FL245 - FL660 <b>CDR1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia  <i>For continuation see AIP Romania</i>
	NIL	302° 114.8 (62.0)	FL660 FL105	↓	
	GOL 17° 78.4 (42.3) 420 (1400)		Class <b>C</b>		
<b>Note:</b> ▲ - Compulsory △ - On-request					
*See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T343 (RNAV 5)</b>	Total DIST km (NM) 682.8 (368.7)				<i>For continuation see AIP Macedonia</i>
▲ <b>VELBA (FIR BDRY)</b> 415800N 0225300E	SOF 204° 91.3 (49.3) 540 (1800)	042° 51.0 (27.6)	FL660 FL105	↓	<b>1 UMPIT - TOTKA</b> 1.1 FL105 - FL245 <b>CDR1/2*</b> ALTN route: BLO M987 GOL N605 TOTKA 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance
▲ <b>MOREK</b> 421731N 0231909E	SOF 184° 45.5 (24.6) 540 (1800)	042° 10.2 (5.5)	Class C FL660 11000FT ALT		
△ <b>DOTAM</b> 422124N 0232425E	SOF 175° 38.0 (20.5) 540 (1800)	042° 34.5 (18.6)	Class C FL660 10000FT ALT		
<b>VAKAREL NDB (WAK)</b> 423430N 0234216E	BLO 218° 13.6 (7.4) 930 (3100)	038° 13.6 (7.4)	Class C FL660 7000FT ALT		
△ <b>BAILOVO DVOR/DME (BLO)</b> 424002N 0234850E	NIL	064°/244° 32.0 (17.3)	Class C FL660 9000FT ALT	↓	<b>2 WRN - NEDSI</b> 2.1 5000FT ALT - FL245 <b>CDR 1 H24</b> ALTN route: WRN L744 UDROS 2.2 FL245 - FL660 <b>PERM</b>
▲ <b>UMPIT</b> 424647N 0241027E	BLO 64° 32.0 (17.3) 930 (3100)	075°/256° 244.6 (132.1)	Class C FL660 FL105		
▲ <b>TOTKA</b> 431220N 0270700E	WRN 263° 57.0 (30.8) 60 (200)	083°/263° 57.0 (30.8)	Class C FL660 5000FT ALT	↑	<b>3 NEDSI - UDROS</b> 3.1 FL105 - FL245 <b>CDR1 H24</b> ALTN route: WRN L744 UDROS 3.2 FL245 - FL660 <b>PERM</b>
△ <b>VARNA DVOR/DME (WRN)</b> 431352N 0274902E	NIL	075° 61.1 (33.0)	Class C		
▲ <b>NEDSI</b> 432001N 0283323E	WRN 75° 61.1 (33.0) 60 (200)	107° 178.9 (96.6)	FL660 FL105  Class C	↓	FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
▲ <b>UDROS (FIR BDRY)</b> 424420N 0303546E	WRN 99° 233.1 (125.9) 60 (200)				
					<i>For continuation see AIP Turkey</i>
<b>Note:</b> ▲ - Compulsory △ - On-request *See ENR 3.3 - 2 (CDR Availability)					




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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T390 (RNAV 5)</b>  <b>▲ ETIDA (FIR BDRY)</b> 434109N 0222504E  <b>△ GASRU</b> 421504N 0260558E  <b>▲ RILEX (FIR BDRY)</b> 415816N 0264559E	Total DIST km (NM) 403.3 (217.8)				For continuation see AIP Serbia/Montenegro
	SOF 322° 135.2 (73.0) 540 (1800)	114° 340.0 (183.6)	FL660 FL245  Class C		<b>1 ETIDA - GASRU</b> 1.1 FL245 - FL660 <b>CDR1/2*</b> ALTN route: ETIDA M19 LETVA T72 RILEX  FREQ: Family Sectors Sofia
	PDV 073° 103.4 (55.9) 180 (600)				
	BGS 219° 91.1 (49.2) 60 (200)	115° 63.3 (34.2)			
					For continuation see AIP Turkey
<b>Note:</b> <b>▲</b> - Compulsory <b>△</b> - On-request					
*See ENR 3.3 - 2 (CDR Availability)					





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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T391 (RNAV 5)</b>	Total DIST km (NM) 344.8 (186.2)				For continuation see AIP Serbia/Montenegro
▲ <b>NISVA (FIR BDRY)</b> 425822N 0224751E	SOF 299° 57.2 (30.9) 540 (1800)	104° 344.8 (186.2)	FL660 FL245	↓	FREQ: Family Sectors Sofia
▲ <b>RILEX (FIR BDRY)</b> 415816N 0264559E	BGS 219° 91.1 (49.2) 60 (200)		Class C		
					For continuation see AIP Turkey
<b>Note:</b> ▲ - Compulsory △ - On-request					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T516 (RNAV 5)</b>  <b>▲ EVIVI (FIR BDRY)</b> 412410N 0232720E  <b>△ PLOVDIV DVOR/DME (PDV)</b> 420312N 0245235E  <b>▲ AMTOV</b> 431021N 0260907E	Total DIST km (NM) 301.0 (162.5)				<i>For continuation see AIP Greece</i>  <b>1 T516</b> 1.1 FL115 - FL660 <b>CDR 1/2*</b> ALTN route: EVIVI M987 GOL N605 AMTOV  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna
	PDV 235° 138.5 (74.8) 180 (600)	055° 138.5 (74.8)	<u>FL660</u> FL115  Class <b>C</b>		
	NIL				
	GRN 82° 35.8 (19.4) 90 (300)	036°/217° 162.5 (87.7)		 	
<b>Note:</b> <b>▲</b> - Compulsory <b>△</b> - On-request					
*See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<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)				<b>1 T517</b> 1.1 FL115 - FL660 <b>CDR 1/2*</b> ALTN route: EKSOL N605 GOL M987 BLO N127 NIKTI  FREQ: Family Sectors Sofia FREQ: Family Sectors Varna  <i>For continuation see AIP Greece</i>
	BGS 270° 61.9 (33.4) 60 (200)	245°/064° 167.4 (90.4)	<u>FL660</u> FL115  Class <b>C</b>	 	
	NIL				
	PDV 224° 84.3 (45.5) 180 (600)	224° 84.3 (45.5)		 	
	<b>Note:</b> <b>▲</b> - Compulsory <b>△</b> - On-request  *See ENR 3.3 - 2 (CDR Availability)				


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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T555 (RNAV 5)</b>  ▲ <b>INKOM (FIR BDRY)</b> 431512N 0303824E  △ <b>RORKI</b> 430546N 0290836E  △ <b>MATEL</b> 430333N 0284731E  ▲ <b>NESAR</b> 424835N 0280830E  △ <b>BURGAS VOR/DME (BGS)</b> 423416N 0273112E	Total DIST km (NM) 269.2 (145.3)			For continuation see AIP Ukraine	
	WRN 84° 229.3 (123.8) 60 (200)	258°/077° 122.9 (66.4)	FL660 FL105  Class C	↓	1 <b>NESAR - BGS</b> 1.1 5000FT ALT - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance
	WRN 93° 108.9 (58.8) 60 (200)				
	WRN 99° 81.6 (44.0) 60 (200)	239° 59.9 (32.3)		↑	
	WRN 146° 53.8 (29.0) 60 (200)		FL660 5000FT ALT  Class C		
	NIL	239° 57.4 (31.0)		FREQ: Family Sectors Varna	

Note:  
▲ - Compulsory  
△ - On-request



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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T746</b> <b>(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) 305.7 (165.1)				For continuation see AIP Turkey
	WRN 112° 188.3 (101.7) 60 (200)	303° 110.4 (59.6)	FL660 FL105  Class C		<b>1 MATEL - ARGES</b> 1.1 FL175 - FL245 <b>CDR 1</b> H24 ALTN route: MATEL L744 WRN L619 ARGES or by ATC clearance 1.2 FL245 - FL660 <b>PERM</b>  FREQ: Family Sectors Varna
	WRN 99° 81.6 (44.0) 60 (200)		FL660 FL175  Class C		
	WRN 316° 123.8 (66.8) 60 (200)	302° 195.2 (105.4)	FL660 FL175  Class C		
					For continuation see AIP Romania
<b>Note:</b> ▲ - Compulsory △ - On-request					


## Area Navigation (RNAV) Routes

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits <u>Lower Limits</u>  Airspace classification	Direction of cruising levels  Odd Even	Remarks  Controlling unit Frequency
1	2	3	4	5	6
T777 (RNAV 5)	<b>Total DIST km (NM)</b> 217.7 (117.5)				
BURGAS VOR/DME (BGS) △ 423416N 0273112E	NIL	348° 47.1 (25.4)		↓	<b>1 BGS - BUVAK</b> 1.1 5000FT ALT - FL245 PERM 1.2 FL245 - FL660 CDR 1 H24 ALTN route: by ATC clearance       FREQ: Family Sectors Varna
▲ BUVAK 425926N 0272615E	WRN 225° 40.9 (22.1) 60(200)	348° 32.7 (17.7)	FL660 5000FT ALT  Class C		
△ NUPVU 431656N 0272246E	WRN 275° 36.0 (19.4) 60(200)				
▲ BALIK 434036N 0271800E	WRN 316° 64.8 (35.0) 60(200)	348° 44.3 (23.9)			
▲ KOMAN (FIR BDY) 435900N 0261300E	GRN 20° 100.9 (54.5) 90(300)	288° 93.6 (50.5)	FL660 FL105  Class C		
					For continuation see AIP Romania

Note:


- ▲ - Compulsory
- △ - On-request

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>T889 (RNAV 5)</b>  △ <b>BAKLO</b> 423234N 0262932E  ▲ <b>DEDIN</b> 423539N 0240446E	Total DIST km (NM) 198.2 (107.0)				<b>1 T889</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: by ATC clearance 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance  FREQ: Family Sectors Sofia
	BGS 264° 84.5 (45.6) 60 (200)	268° 198.2 (107.0)	FL660 FL105		
	BLO 107° 23.2 (12.6) 930 (3100)		Class <b>C</b>		
	<b>Note:</b> ▲ - Compulsory △ - On-request				
*See ENR 3.3 - 2 (CDR Availability)					

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Y189 (RNAV 5)</b>	Total DIST km (NM) 255.0 (137.7)				<b>1 BGS - XILTI</b> 1.1 FL105-FL660 <b>CDR 1 H24</b> ALTN route: by ATC clearance        FREQ: Family Sectors Varna  <i>For continuation see AIP Turkey</i>
<b>BURGAS VOR/DME (BGS)</b> △ 423416N 0273112E  <b>▲ XILTI</b> 423835N 0280814E  △ <b>RITAG</b> 423509N 0293328E  △ <b>NASEM</b> 423530N 0294257E  <b>▲ UDROS(FIR BDRY)</b> 424420N 0303546E	NIL	077° 51.3 (27.7)	FL660 5000FT ALT  Class C	↓	
	BGS 77° 51.3 (27.7) 60 (200)	089° 116.7 (63.0)	FL660 FL105  Class C	↓	
	WRN 112° 159.2 (86.0) 60 (200)	083°/ 263° 13.0 (7.0)		↓ ↑	
	WRN 110° 170.5 (92.1) 60 (200)	073° 74.0 (40.0)		↓	
	WRN 99° 233.1 (125.9) 60 (200)				

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Geodesic DIST km (NM)	<u>Upper Limits</u> Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Y195 (RNAV 5)</b>  △ <b>RITAG</b> 423509N 0293328E  ▲ <b>NESAR</b> 424835N 0280830E	Total DIST km (NM) 118.7 (64.1)				FREQ: Family Sectors Varna
	WRN 112° 159.2 (86.0) 60 (200)	279° 118.7 (64.1)	<u>FL660</u> FL105		
	WRN 146° 53.8 (29.0) 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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Y505 (RNAV 5)</b>  <b>▲ NISVA (FIR BDRY)</b> 425822N 0224751E  <b>▲ OMENO</b> 421749N 0232853E  <b>▲ NIKTI (FIR BDRY)</b> 413247N 0240718E	Total DIST km (NM) 192.6 (104.0)				<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	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Y520 (RNAV 5)</b>	Total DIST km (NM) 444.7 (240.1)				For continuation see AIP Turkey
▲ <b>VADEN (FIR BDRY)</b> 420356N 0271258E	BGS 200° 61.5 (33.2) 60 (200)	292° 23.9 (12.9)	FL660 FL105  Class C	↓	<b>1 VADEN - GOL</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO T228 UTEKA 1.2 FL245 - FL660 <b>PERM</b>  <b>2 GOL - UTEKA</b> 2.1 FL105 - FL215 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO T228 UTEKA 2.2 FL215 - FL660 <b>PERM</b>
△ <b>OSTEX</b> 420934N 0265722E	BGS 222° 65.2 (35.2) 60 (200)	292° 88.0 (47.5)			
△ <b>DINEN</b> 422959N 0255932E	GRN 158° 76.1 (41.1) 90 (300)	291° 159.3 (86.0)			
△ <b>GOLYAMA VOR/ DME (GOL)</b> 430542N 0241314E	NIL	299° 39.7 (21.5)			
△ <b>LUKOV</b> 431705N 0234822E	GOL 299° 39.7 (21.5) 420 (1400)	299° 49.2 (26.6)			
△ <b>ERDOM</b> 433103N 0231721E	GOL 299° 89.0 (48.0) 420 (1400)	299° 84.5 (45.7)			
▲ <b>UTEKA (FIR BDRY)</b> 435444N 0222332E	SOF 326° 157.3 (84.9) 540 (1800)				
					For continuation see AIP Serbia /Montenegro
<b>Note:</b> ▲ - Compulsory △ - On-request  *See ENR 3.3 - 2 (CDR Availability)					

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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antenna m (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency		
1	2	3	4	5	6		
<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>1 Y551</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO T228 OGOTA N133 (Above FL 215) LOMOS 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: DINEN Y520 ERDOM N133 LOMOS  FREQ: Family Sectors Sofia  <i>For continuation see AIP Romania</i>		
	GRN 158° 76.1 (41.1) 90 (300)	317° 181.8 (98.2)	FL660 FL105				
	GOL 17° 78.4 (42.3) 420 (1400)		Class <b>C</b>				
<b>Note:</b> ▲ - Compulsory △ - On-request  *See ENR 3.3 - 2 (CDR Availability)							



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

Route designator (RNP/RNAV) Name of significant points Coordinates	Way-point IDENT of VOR/DME BRG & DIST km (NM) ELEV DME Antennam (ft)	Track MAG Geodesic DIST km (NM)	Upper Limits Lower Limits  Airspace classification	Direction of cruising levels  Odd Even	Remarks Controlling unit Frequency
1	2	3	4	5	6
<b>Y553 (RNAV 5)</b>  △ <b>DINEN</b> 422959N 0255932E  △ <b>TUNVO</b> 430832N 0252316E  ▲ <b>SOMOV (FIR BDRY)</b> 434200N 0245100E	Total DIST km (NM) 162.6 (87.8)				<b>1 Y553</b> 1.1 FL105 - FL245 <b>CDR 1/2*</b> ALTN route: VADEN P92 PDV N739 LARAT N127 BLO M987 (Above FL155) SOMOV or by ATC clearance 1.2 FL245 - FL660 <b>CDR 1 H24</b> ALTN route: DINEN Y520 GOL M987 SOMOV or by ATC clearance  FREQ: Family Sectors Sofia  <i>For continuation see AIP Romania</i>
	GRN 158° 76.1 (41.1) 90 (300)	322° 86.8 (46.9)	<u>FL660</u> FL105  Class <b>C</b>		
	GRN 263° 26.4 (14.3) 90 (300)				
	GOL 34° 84.4 (45.6) 420 (1400)	321° 75.7 (40.9)			
<b>Note:</b> ▲ - Compulsory △ - On-request  *See ENR 3.3 - 2 (CDR Availability)					

INTENTIONALLY LEFT BLANK