

## ENR 3.3 Радио навигациони рути

## ENR 3.3 Area navigation routes

## 3.3.1 Долни рути за просторна навигација

## 3.3.1 Lower area navigation routes

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>L603</b> (RNAV 5)						
▲ OLOTA (FIR BDRY) 42 13 48N 021 37 00E						KFOR Sector Skopje ACC
	131°	75.5	<u>FL245</u> 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ RUGAS (FIR BDRY) 41 19 46N 022 47 29E						Skopje ACC Makedonia ACC
<b>L608</b> (RNAV 5)						
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Makedonia ACC Skopje ACC
	308°	82.1	<u>FL245</u> 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						Skopje ACC KFOR Sector
<b>L616</b> (RNAV 5)						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E						KFOR Sector Skopje ACC
	165°	75.4	<u>FL245</u> 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Skopje ACC Makedonia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>L617</b> (RNAV 5)						
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Beograd ACC Skopje ACC
	$\frac{166^\circ}{346^\circ}$	71.8	$\frac{FL245}{11000 FT ALT}$	C,D	ODD ↓  ↑ EVEN	Skopje ACC
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E						Makedonia ACC
Availability: RAXAD - MAKED: H24 MAKED - RAXAD: 2200 - 0400						
<b>L737</b> (RNAV 5)						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E						KFOR Sector Skopje ACC
	133°	78	$\frac{FL245}{11000 FT ALT}$	C,D	ODD ↓	Skopje ACC
▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Makedonia ACC
<b>M22</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						Tirana ACC Skopje ACC
	99°	66.2	$\frac{FL245}{11000 FT ALT}$	C,D	ODD ↓	Skopje ACC
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Makedonia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>M749</b> (RNAV 5)						
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Makedonia ACC
	336°	69	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						Skopje ACC
						KFOR Sector
<b>M867</b> (RNAV 5)						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E						KFOR Sector
	120°	92.5	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC
						Makedonia ACC
<b>N128</b> (RNAV 5)						
▲ RUGAS (FIR BDRY) 41 19 46N 022 47 29E						Makedonia ACC
	$\frac{330^\circ}{150^\circ}$	43.5			EVEN ↓	Skopje ACC
▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E			FL245 9000 FT ALT	C, D		
	$\frac{340^\circ}{160^\circ}$	20.4			↑ ODD	Skopje ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Beograd ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>N130</b> (RNAV 5)						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Tirana ACC Skopje ACC
	115° 296°	72	FL245 11000 FT ALT	C, D	ODD ↓  ↑ EVEN	Skopje ACC
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Skopje ACC Makedonia ACC
<b>N132</b> (RNAV 5)						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Tirana ACC Skopje ACC
	138°	60.6	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Skopje ACC Makedonia ACC
<b>N137</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						KFOR Sector Skopje ACC
	121°	47.8	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Skopje ACC Makedonia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>N140*</b> (RNAV 5)						
△ NASKO 41 46 01N 022 05 52E						Beograd ACC Skopje ACC
	187°	42.2	FL245 11000 FT ALT	C, D	EVEN ↓	
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Skopje ACC Makedonia ACC
* The AWY N140 will be available only in case of unavailability of Kosovo airspace. See ENR 6.1-1 chart LOWER ATS ROUTES.						
<b>N141</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						Tirana ACC Skopje ACC
	088°	102.5	FL245 11000 FT ALT	C, D	ODD ↓	
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC Makedonia ACC
<b>N146</b> (RNAV 5)						
▲ BEKVA (FIR BDRY) 40 58 04N 021 41 42E						Makedonia ACC Skopje ACC
	306°	68.7	FL245 11000 FT ALT	C, D	EVEN ↓	
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Skopje ACC Tirana ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>N731</b> (RNAV 5)						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E						Makedonia ACC
	214°	92.4	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Skopje ACC
						Sofia ACC
<b>P20</b> (RNAV 5)						
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E						Makedonia ACC
	317°	79.7	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						Skopje ACC
						KFOR Sector
<b>P36</b> (RNAV 5)						
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E						Makedonia ACC
△ NEGOT 41 19 12N 022 23 32E	330°	12.8	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
		29.9				
△ NASKO 41 46 01N 022 05 52E	007° 187°	33.1			ODD ↓ ↑ EVEN	Skopje ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Beograd ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>P92</b> (RNAV 5)						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Tirana ACC Skopje ACC
△ GOSTI 41 48 42N 021 06 30E	068° 248°	27.3			ODD ↓	
△ BUREK 41 49 56N 021 11 49E	069° 249°	4.2				
▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E	068° 249°	20.4	FL245 11000 FT ALT	C, D	↑ EVEN	
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E	254°	44.7			↑ EVEN	Skopje ACC Sofia ACC
<b>P127</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						Tirana ACC Skopje ACC
△ NASKO 41 46 01N 022 05 52E	066°	76.8			ODD ↓	
▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E	067°	37.2	FL245 11000 FT ALT	C, D		Skopje ACC Sofia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>P859</b> (RNAV 5)						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Makedonia ACC
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E	004° 184°	28	FL245 11000 FT ALT	C, D	ODD ↓  ↑ EVEN	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E	353° 173°	49.3			EVEN ↓  ↑ ODD	Skopje ACC
						KFOR Sector
<b>T197</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						Tirana ACC Skopje ACC
△ BUREK 41 49 56N 021 11 49E	042°	43.6	FL245 11000 FT ALT	C, D	ODD ↓	
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E	014°	19.2				Skopje ACC
						Pristina APP
<b>T198</b> (RNAV 5)						
▲ TETOV 41 58 36N 020 59 24E						Skopje ACC
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E	224°	27.6	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
						Tirana ACC



Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>T214</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E  ▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E  ▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E	061° 242°	92.7	FL245 11000 FT ALT	C, D	ODD ↓	Tirana ACC
					233°	12.8
<b>T215</b> (RNAV 5)						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E  ▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E  ▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E  ▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E	102°	34.3	FL245 11000 FT ALT	C, D	ODD ↓	Pristina APP
	081° 261°	33	FL245 8000 FT ALT		ODD ↓	Skopje ACC
	088°	23.2			FL245 8000 FT ALT	↑ EVEN
						ODD ↓
						Sofia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>T216</b> (RNAV 5)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E						Tirana ACC Skopje ACC
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E	085° 266°	43.1	FL245 11000 FT ALT	C, D	ODD ↓  ↑ EVEN	
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E	027° 208°	68.2			EVEN ↓  ↑ ODD	Skopje ACC Beograd ACC
<b>T217</b> (RNAV 5)						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E						Pristina APP Skopje ACC
△ TETOV 41 58 36N 020 59 24E	146°	8.4	FL245 11000 FT ALT		ODD ↓	
△ GOSTI 41 48 42N 021 06 30E	148°	32.3		C, D		
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E	122°	26.4	FL245 8500 FT ALT			Skopje ACC Makedonia ACC
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>T218</b> (RNAV 5)						
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Makedonia ACC
	305°	65.4	FL245 7500 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E	308°	18.2	FL245 10500 FT ALT			Skopje ACC
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E						Pristina APP
<b>T261</b> (RNAV 5)						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Makedonia ACC
	021° 201°	94.7	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						EVEN ↑
						Beograd ACC
<b>T262</b> (RNAV 5)						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E						Sofia ACC
	193°	58.4	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Skopje ACC
						Makedonia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>T263</b> (RNAV 5)						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E						Sofia ACC
	269°	57.2	FL245 11000 FT ALT	C, D	EVEN ↓	Skopje ACC
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E						Skopje ACC
						Pristina APP
<b>T343</b> (RNAV 5)						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Makedonia ACC
	042°	95	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E						Skopje ACC
						Sofia ACC
<b>T389</b> (RNAV 5)						
△ NASKO 41 46 01N 022 05 52E						Skopje ACC
	166°	36.8	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Skopje ACC
						Makedonia ACC

Route name (designator) and significant points	MAG track	Dist NM	Upper Limit Lower Limit	Airspace classification	Direction of flight AVBL LVL	Remarks
<b>Y400</b> (RNAV 5)						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Tirana ACC
	099° 281°	86.5			ODD ↓	Skopje ACC
△ NEGOT 41 19 12N 022 23 32E			FL245 11000 FT ALT	C, D		
	101° 281°	17.1			↑ EVEN	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Makedonia ACC
<b>Y500</b> (RNAV 5)						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E						Pristina APP
	117°	98	FL245 11000 FT ALT	C, D	ODD ↓	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC
						Makedonia ACC
<b>Y550</b> (RNAV 5)						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E						KFOR Sector
		18			ODD ↓	Skopje ACC
△ BUREK 41 49 56N 021 11 49E	155°		FL245 11000 FT ALT	C, D		
		31.7				
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E						Skopje ACC

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3.3.2 Горни рути за просторна навигација

НЕМА

3.3.2 Upper area navigation routes

NIL

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