

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 designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
L603						
▲ OLOTA (FIR BDRY) 42 13 48N 021 37 00E				ODD ↓	5	KFOR Sector Skopje ACC
(RNAV)		131° 75.5	<u>FL205</u> 11000 FT ALT D			Skopje ACC Makedonia ACC
▲ RUGAS (FIR BDRY) 41 19 46N 022 47 29E						
L608						
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E				EVEN ↓	5	Makedonia ACC Skopje ACC
(RNAV)		308° 82.1	<u>FL205</u> 11000 FT ALT D			Skopje ACC KFOR Sector
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						
L616						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E				ODD ↓	5	KFOR Sector Skopje ACC
(RNAV)		165° 75.4	<u>FL205</u> 11000 FT ALT D			Skopje ACC Makedonia ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
L617						
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E				ODD ↓	5	Beograd ACC
(RNAV)	166° 346° 71.8	FL205 11000 FT ALT D		↑ EVEN		Skopje ACC
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E						Skopje ACC
						Makedonia ACC
Availability: RAXAD - MAKED: H24 MAKED - RAXAD: 2200 - 0400						
L737						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E				ODD ↓	5	KFOR Sector
(RNAV)	133° 78	FL205 11000 FT ALT D				Skopje ACC
▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Skopje ACC
						Makedonia ACC
M22						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E				ODD ↓	5	Tirana ACC
(RNAV)	99° 66.2	FL205 11000 FT ALT D				Skopje ACC
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Skopje ACC
						Makedonia ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
M749						
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E				EVEN		Makedonia ACC
(RNAV)		336° 69	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						Skopje ACC
						KFOR Sector
M867						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E				ODD		KFOR Sector
(RNAV)		120° 92.5	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC
						Makedonia ACC
N128						
▲ RUGAS (FIR BDRY) 41 19 46N 022 47 29E				EVEN		Makedonia ACC
(RNAV)		330° 150° 43.5	FL205 9000 FT ALT D	↓	5	Skopje ACC
▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E		340° 160° 20.4		↑	5	Skopje ACC
(RNAV)				ODD		Beograd ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Beograd ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
N130						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E				ODD ↓	5	Tirana ACC Skopje ACC
(RNAV)	115° 296° 72		FL205 11000 FT ALT D	↑ EVEN		Skopje ACC
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Makedonia ACC
N132						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E				ODD ↓	5	Tirana ACC Skopje ACC
(RNAV)	138° 60.6		FL205 11000 FT ALT D	↓		Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Makedonia ACC
N137						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E				ODD ↓	5	KFOR Sector Skopje ACC
(RNAV)	121° 47.8		FL205 11000 FT ALT D	↓		Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Makedonia ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
N140*						
△ NASKO 41 46 01N 022 05 52E				EVEN		Beograd ACC Skopje ACC
(RNAV)		187° 42.2	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ 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.						
N141 (RNAV)						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E				ODD		Tirana ACC Skopje ACC
(RNAV)		088° 102.5	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC Makedonia ACC
N146						
▲ BEKVA (FIR BDRY) 40 56 04N 021 41 42E				EVEN		Makedonia ACC Skopje ACC
(RNAV)		306° 68.7	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Skopje ACC Tirana ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
N731						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E				EVEN		Makedonia ACC
(RNAV)		214° 92.4	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E						Skopje ACC
						Sofia ACC
P20						
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E				EVEN		Makedonia ACC
(RNAV)		317° 79.7	FL205 11000 FT ALT D	↓	5	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						Skopje ACC
						KFOR Sector
P36						
▲ MAKED (FIR BDRY) 41 07 45N 022 31 00E				EVEN		Makedonia ACC
(RNAV)		330° 12.8		↓	5	Skopje ACC
△ NEGOT 41 19 12N 022 23 32E						
(RNAV)		330° 29.9	FL205 11000 FT ALT D		5	
△ NASKO 41 46 01N 022 05 52E				ODD		
(RNAV)		007° 187° 33.1		↓	5	
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E				↑ EVEN		Skopje ACC
						Beograd ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
P92						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E (RNAV)		068° 248° 27.3	FL205 11000 FT ALT D	ODD ↓	5	Tirana ACC Skopje ACC
△ GOSTI 41 48 42N 021 06 30E (RNAV)		069° 249° 4.2				5
△ BUREK 41 49 56N 021 11 49E (RNAV)		068° 249° 20.4		↑ EVEN	5	
▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E (RNAV)		254° 44.7		↑ EVEN	5	
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E						Skopje ACC Sofia ACC
P127						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E (RNAV)		066° 76.8	FL205 11000 FT ALT D	ODD ↓	5	Tirana ACC Skopje ACC
△ NASKO 41 46 01N 022 05 52E (RNAV)		067° 37.2				5
▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E						Skopje ACC Sofia ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
P859						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E (RNAV)		004° 184° 28	FL205 11000 FT ALT D	ODD ↓ ↑ EVEN	5	Makedonia ACC Skopje ACC
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E (RNAV)		353° 173° 49.3		EVEN ↓ ↑ ODD	5	Skopje ACC
▲ LONTA (FIR BDRY) 42 09 34N 021 23 50E						KFOR Sector
T197						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E (RNAV)		042° 43.6	FL205 11000 FT ALT D	ODD ↓	5	Tirana ACC Skopje ACC
△ BUREK 41 49 56N 021 11 49E (RNAV)		014° 19.2			5	Skopje ACC
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E						Pristina APP

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
T198						
▲ TETOV 41 58 36N 020 59 24E (RNAV)		224° 27.6	FL205 11000 FT ALT D	EVEN ↓	5	Skopje ACC
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E						Skopje ACC Tirana ACC
T214						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E (RNAV)		061° 242° 92.7	FL205 11000 FT ALT D	ODD ↓	5	Tirana ACC Skopje ACC
▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E (RNAV)		233° 12.8		↑ EVEN	5	Skopje ACC
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E				↑ EVEN		Skopje ACC Sofia ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
T215						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E (RNAV)		102° 34.3	FL205 11000 FT ALT D	ODD ↓	5	Pristina APP Skopje ACC
▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E (RNAV)		081° 261° 33	FL205 8000 FT ALT D	ODD ↓ ↑ EVEN	5	Skopje ACC
▲ SINKO VOR/DME (SIN) 41 58 51N 022 21 56E (RNAV)		088° 23.2		ODD ↓	5	
▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E						Skopje ACC Sofia ACC
T216						
▲ DOBAR (FIR BDRY) 41 19 58N 020 29 41E (RNAV)		085° 266° 43.1	FL205 11000 FT ALT D	ODD ↓ ↑ EVEN	5	Tirana ACC Skopje ACC
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E (RNAV)		027° 208° 68.2		EVEN ↓ ↑ ODD	5	Skopje ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Skopje ACC Beograd ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
T217						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E (RNAV)		146° 8.4		ODD ↓	5	Pristina APP Skopje ACC
△ TETOV 41 58 36N 020 59 24E (RNAV)		148° 11.2	FL205 11000 FT ALT D		5	
△ GOSTI 41 48 42N 021 06 30E (RNAV)		148° 32.3			5	
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E (RNAV)		122° 26.4	FL205 8500 FT ALT D		5	
▲ TALAS (FIR BDRY) 41 04 36N 021 55 00E						Skopje ACC Makedonia ACC
T218						
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E (RNAV)		305° 65.4	FL205 7500 FT ALT D	EVEN ↓	5	Makedonia ACC Skopje ACC
▲ SKOPJE VOR/DME (SKJ) 41 56 06N 021 37 50E (RNAV)		308° 18.2	FL205 10500 FT ALT D		5	
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E						Skopje ACC Pristina APP

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
T261						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E				EVEN ↓	5	Makedonia ACC
(RNAV)		021° 201° 94.7	FL205 11000 FT ALT D	↑ EVEN		Skopje ACC
▲ RAXAD (FIR BDRY) 42 18 30N 022 14 34E						Skopje ACC
						Beograd ACC
T262						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E				EVEN ↓	5	Sofia ACC
(RNAV)		193° 58.4	FL205 11000 FT ALT D	↓		Skopje ACC
▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Skopje ACC
						Makedonia ACC
T263						
▲ LETNI (FIR BDRY) 42 05 49N 022 36 21E				EVEN ↓	5	Sofia ACC
(RNAV)		269° 57.2	FL205 11000 FT ALT D	↓		Skopje ACC
▲ XAXAN (FIR BDRY) 42 08 12N 021 19 37E						Skopje ACC
						Pristina APP

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
T343						
▲ BITLA (FIR BDRY) 40 52 32N 021 21 29E (RNAV) ▲ VELBA (FIR BDRY) 41 58 00N 022 53 00E						Makedonia ACC
		042° 95	FL205 11000 FT ALT D	ODD ↓	5	Skopje ACC
						Skopje ACC
						Sofia ACC
T389						
△ NASKO 41 46 01N 022 05 52E (RNAV) ▲ ERANA (FIR BDRY) 41 09 48N 022 14 22E						Skopje ACC
		166° 36.8	FL205 11000 FT ALT D	ODD ↓	5	Skopje ACC
						Skopje ACC
						Makedonia ACC
Y400						
▲ MAVAR (FIR BDRY) 41 40 12N 020 31 48E (RNAV) △ NEGOT 41 19 12N 022 23 32E (RNAV) ▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Tirana ACC
		099° 281° 86.5	FL205 11000 FT ALT D	ODD ↓	5	Skopje ACC
		101° 281° 17.1		↑ EVEN	5	Skopje ACC
						Makedonia ACC

Route designator RCP/NAV/RSP Specification(s) Name of significant points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	MAG BRG Geodesic DIST (NM)	Upper Limit Lower Limit Airspace Classification	Direction of cruising levels	NAV accuracy PBN	Remarks Controlling unit, Chanel, Logon address, SATVOICE RCP/NAVRSP Spec., Limitations
Y500						
▲ SARAX (FIR BDRY) 42 05 49N 020 53 44E						Pristina APP
(RNAV)		117° 98	FL205 11000 FT ALT D	ODD ↓	5	Skopje ACC
▲ DISOR (FIR BDRY) 41 14 50N 022 45 30E						Skopje ACC
						Makedonia ACC
Y550						
▲ KOGAT (FIR BDRY) 42 06 45N 021 03 20E						KFOR Sector
(RNAV)		155° 18	FL205 11000 FT ALT D	ODD ↓	5	Skopje ACC
△ BUREK 41 49 56N 021 11 49E		155° 31.7			5	
(RNAV)						Skopje ACC
▲ PRILEP NDB/DME (PEP) 41 20 16N 021 26 55E						

3.3.2 Горни рути за просторна навигација
НЕМА

3.3.2 Upper area navigation routes
NIL

INTENTIONALLY LEFT BLANK