

## ENR 3.3 AREA NAVIGATION (RNAV) ROUTES

Route Designator {RNP Type}		[Route Usage Notes]			
Significant Point Name		Significant Point Coordinates		Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
L130		(1) H24			
▲ FIR BDRY (TAVRU)		455830N 0285154E		(2)	
(RNP 5)	18.7 NM	FL 660 FL 55	Even <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
△ BINOM		461621N 0284401E			
(RNP 5)	22.2 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
△ LIPTA		463735N 0283430E			
(RNP 5)	51.1 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
△ ERADA		472621N 0281210E			
(RNP 5)	63.8 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (UNDOL)		482708N 0274318E			
(2)For continuation see AIP Ukraine					

Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
L140		(1) H24					
▲ FIR BDRY (SURAP)		463241N 0295400E			(2)		
(RNP 5)	73.0 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (POGAV)		464654N 0281000E			(3)		
(2)For continuation see AIP Romania							
(3)For continuation see AIP Ukraine							

Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
L981		(1) H24					
▲ FIR BDRY (RETRO)		470046N 0293640E			(2)		
(RNP 5)	141.2 NM	FL 660 FL 95	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (INROG)		482453N 0264846E			(2)		
(2)For continuation see AIP Ukraine							

Route Designator {RNP Type}						[Route Usage Notes]
Significant Point Name		Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks	
			↓	↑		
L986						(1) H24
▲ FIR BDRY (ASMIN) 474340N 0291323E						(2)
(RNP 5)	105.4 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
▲ FIR BDRY (INROG) 482453N 0264846E						(2)
(2)For continuation see AIP Ukraine						

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name	Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
M406	(1) H24				
▲ FIR BDRY (BABIB)	461043N 0290305E				(2)
(RNP 5)	36.4NM	FL 660 FL 285	Even <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (ASKUT)	462411N 0281416E				(3)
(2)For continuation see AIP Ukraine					
(3)For continuation see AIP Romania					

Route Designator {RNP Type}						[Route Usage Notes]
Significant Point Name		Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks	
			↓	↑		
M860 (1) H24						
▲ FIR BDRY (ANEDO) 462148N 0294131E (2)						
(RNP 5)	46.9 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ CHISINAU DVOR/ DME (KIV) 465534N 0285416E						
(RNP 5)	15.4 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ NETED 470652N 0283857E						
(RNP 5)	26.7 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ ERADA 472621N 0281210E						
(RNP 5)	81.1 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
▲ FIR BDRY (INROG) 482453N 0264846E (2)						
(2)For continuation see AIP Ukraine						

Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
M861						(1) H24	
▲ FIR BDRY (TUVAP)						462809N 0291941E (2)	
(RNP 5)	32.5 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
△ CHISINAU DVOR/ DME (KIV)						465534N 0285416E	
(RNP 5)	39.0 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
△ NERIS						473014N 0282758E	
(RNP 5)	64.4 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (UNDOL)						482708N 0274318E (2)	
(2)For continuation see AIP Ukraine							

Route Designator {RNP Type}		[Route Usage Notes]			
Significant Point Name		Significant Point Coordinates		Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
N145		(1) H24			
▲ FIR BDRY (VILIS)		472424N 0273503E		(2)	
(RNP 5)	63.3 NM	FL 660 FL 95		Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (LAVDA)		480730N 0284350E			
(2)For continuation see AIP Romania					



Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
N180						(1) H24	
▲ FIR BDRY (POGAV) 464654N 0281000E						(2)	
(RNP 5)	79.3 NM	FL 660 FL 95	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (ATREK) 475312N 0291359E						(3)	
(2)For continuation see AIP Romania							
(3)For continuation see AIP Ukraine							

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name		Significant Point Coordinates		Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
N181 (1) H24					
▲ FIR BDRY (NUNTA) 470615N 0275130E (2)					
(RNP 5)	70.8 NM	FL 660 FL 95		Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (LAVDA) 480730N 0284350E (3)					
(2)For continuation see AIP Romania					
(3)For continuation see AIP Ukraine					

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name	Significant Point Coordinates		Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
N190 (1) H24					
▲ FIR BDRY (TURSA) 463855N 0295638E (2)					
(RNP 5)	60.2 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
△ NETED 470652N 0283857E					
(RNP 5)	53.3 NM	FL 660 FL 285	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (DOBOK) 472936N 0272810E (3)					
(2)For continuation see AIP Ukraine (3)For continuation see AIP Romania					

Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
N600		(1) H24					
▲ FIR BDRY (RUV)		463113N 0290520E				(2)	
(RNP 5)	63.3 NM	FL 660 FL 55	Even <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
△ VOLVO		473428N 0290400E					
(RNP 5)	25.3 NM	FL 660 FL 55	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (RIXOS)		475935N 0290832E				(2)	
(2)For continuation see AIP Ukraine							

Route Designator {RNP Type}						[Route Usage Notes]
Significant Point Name		Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks	
			↓	↑		
N743						(1) H24
▲ FIR BDRY (GIDRO)						454919N 0284403E (2)
(RNP 5)	27.0 NM	FL 660 FL 55		Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ BINOM						461621N 0284401E
(RNP 5)	19.3 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ LOBRO						463539N 0284359E
(RNP 5)	91.9 NM	FL 660 FL 95	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
▲ FIR BDRY (LAVDA)						480730N 0284350E (2)
(2)For continuation see AIP Ukraine						

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name		Significant Point Coordinates		Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
N978 (1) H24					
▲ FIR BDRY (NUNTA) 470615N 0275130E (2)					
(RNP 5)	58.6 NM	FL 660 FL 55	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (MANRO) 472811N 0291120E (3)					
(2)For continuation see AIP Romania (3)For continuation see AIP Ukraine					

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name		Significant Point Coordinates			Remarks
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
P90 (1) H24					
▲ FIR BDRY (NUNTA) 470615N 0275130E (2)					
(RNP 5)	73.0 NM	FL 660 FL 95	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (ATREK) 475312N 0291359E					
(2)For continuation see AIP Romania					

Route Designator {RNP Type}						[Route Usage Notes]
Significant Point Name		Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks	
			↓	↑		
P133						(1) H24
▲ FIR BDRY (SURAP)						463241N 0295400E
(RNP 5)	47.0 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ CHISINAU DVOR/ DME (KIV)						465534N 0285416E
(RNP 5)	45.6 NM	FL 285 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
▲ FIR BDRY (UNIRA)						471006N 0275106E (2)
(2)For continuation see AIP Romania						



Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name		Significant Point Coordinates			Remarks
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
P740 (1) H24					
▲ FIR BDRY (KODRU) 461132N 0280726E (2)					
(RNP 5)	78.8 NM	FL 660 FL 95		Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (RETRO) 470046N 0293640E (3)					
(2)For continuation see AIP Romania					
(3)For continuation see AIP Ukraine					

Route Designator {RNP Type}						[Route Usage Notes]
Significant Point Name		Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks	
			↓	↑		
T34 (1) H24						
▲ FIR BDRY (KODRU) 461132N 0280726E						
(RNP 5)	11.7 NM	FL 660 FL 55	Odd <sup>(1)</sup>	Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ BOTNA 462104N 0281717E						
(RNP 5)	20.4 NM	FL 660 FL 55	Odd <sup>(1)</sup>	Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ LIPTA 463735N 0283430E						
(RNP 5)	35.7 NM	FL 660 FL 55	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ LUSAV 471114N 0285149E						
(RNP 5)	24.7 NM	FL 660 FL 55	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
△ VOLVO 473428N 0290400E						
(RNP 5)	19.9 NM	FL 660 FL 55	Odd <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]	
▲ FIR BDRY (ATREK) 475312N 0291359E						

Route Designator {RNP Type}		[Route Usage Notes]			
Significant Point Name		Significant Point Coordinates		Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
T500		(1) H24			
△ BOTNA		462104N 0281717E			
(RNP 5)	108.0 NM	FL 660 FL 95		Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (LAVDA)		480730N 0284350E			

Route Designator {RNP Type} [Route Usage Notes]					
Significant Point Name	Significant Point Coordinates			Remarks	
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks
			↓	↑	
Z650	(1) H24				
▲ FIR BDRY (MANRO) 472811N 0291120E					
(RNP 5)	58.8 NM	FL 660 FL 55		Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]
▲ FIR BDRY (POGAV) 464654N 0281000E (2)					
(2)For continuation see AIP Romania					

Route Designator {RNP Type}						[Route Usage Notes]					
Significant Point Name			Significant Point Coordinates			Remarks					
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks						
			↓	↑							
Z888						(1) H24					
▲ FIR BDRY (TAVRU)						455830N 0285154E					
(RNP 5)	57.1 NM	FL 660 FL 95	Even <sup>(1)</sup>		CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]						
△ CHISINAU DVOR/ DME (KIV)						465534N 0285416E					
(RNP 5)	15.8 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]						
△ LUSAV						471114N 0285149E					
(RNP 5)	21.6 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]						
△ MURKA						473242N 0284848E					
(RNP 5)	35.0 NM	FL 660 FL 55	Even <sup>(1)</sup>	Odd <sup>(1)</sup>	MURKA - LAVDA westbound TFC FL320 and FL380 only are available. CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ ALTERNATE FREQ: 129.725MHZ [Class C]						
▲ FIR BDRY (LAVDA)						480730N 0284350E					

Route Designator {RNP Type}						[Route Usage Notes]	
Significant Point Name		Significant Point Coordinates			Remarks		
{RNP Type}	Dist	Upper limit / Lower limit	FL series		Controlling unit {Airspace class} Remarks		
			↓	↑			
Z924		(1) H24					
▲ FIR BDRY (BUSES)		465533N 0280622E			(2)		
(RNP 5)	57.7 NM	FL 660 FL 55		Even <sup>(1)</sup>	CHISINAU ACC FREQ: 130.975MHZ 136.125MHZ 128.975MHZ CHISINAU APP FREQ: 133.300MHZ ALTERNATE FREQ: 129.725MHZ [Class C]		
▲ FIR BDRY (SUVUR)		471923N 0292320E			(3)		
(2)For continuation see AIP Romania							
(3)For continuation see AIP Ukraine							