

ENR 3 ATS Routes

ENR 3.1 Lower ATS routes

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}		Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks
								↓	↑	
1	2	3	4	5	6	7	8	9	10	
A277		Route availability: (1) H24								
▲ BARUS		415414N 0425030E								
		282° 102°	52.4		FL 195 11500 FT AMSL	11500 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
Δ IBERI		420939N 0414318E								
		298° 118°	10.0		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
▲ ALIKA		421509N 0413205E								
		298° 117°	81.6		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
▲ BANUT (FIR boundary)		425923N 0395907E								⁽²⁾
Point/Segment Remarks:										
(2) For Continuation See AIP Russia.										

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
A910		Route availability: (1) H24								
▲ BARUS		415414N 0425030E								
		102° -	65.5		FL 195 11700 FT AMSL	11700 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ LAGAS		413419N 0441353E								
		103° -	40.5		FL 195 FL 095	8300 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ BARAD (FIR boundary)		412131N 0450500E								⁽²⁾
Point/Segment Remarks:										
(2) For Continuation See AIP Azerbaijan.										

Route Designator {RNP Type}		[Route Usage Notes]							
	Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks
							↓	↑	
1	2	3	4	5	6	7	8	9	10
B143		Route availability: (1) H24							
▲ IDLER (FIR boundary)		422925N 0400845E							(2)
	100° -	72.9		FL 195 FL 095	1000 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
Δ IBERI		420939N 0414318E							
	083° 264°	34.1		FL 195 FL 095	6000 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
Δ KUTAI SI DVOR/DME (KTS)		421033N 0422905E							
	084° 264°	27.8		FL 195 FL 095	6200 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHz Secondary 135.625 MHz [Class C]
▲ LOBIN		421054N 0430626E							
	096° 277°	24.7		FL 195 FL 095	7700 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ ALI NDB (BT)		420523N 0433901E							
	098° 278°	22.2		FL 195 FL 095	8700 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
Δ GIMUR		420100N 0440756E							
	102° 282°	20.3		FL 195 FL 095	8900 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ MUKHRANI NDB (DF)		415500N 0443356E							
	125° 306°	22.6		FL 195 FL 095	7800 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
Δ TBILISI DVOR/DME (TBS)		414014N 0445649E							
	101° 281°	27.0		FL 195 FL 095	6500 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ LAMUS		413240N 0453124E							
	049° 230°	42.2		FL 195 12300 FT AMSL	12300 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ KUFAN (FIR boundary)		415718N 0461708E							(2)
Point/Segment Remarks: (2) For Continuation See AIP Russia.									

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name	Significant Point Coordinates								Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
B147		Route availability: (1) H24								
Δ BATUMI NDB (LU)		413605N 0413651E								
		306° 126°	14.4		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ AKAKI		414528N 0412217E								
		317° 137°	26.8		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ SOSED		420635N 0410015E								
		315° 134°	69.5		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ BANUT (FIR boundary)		425923N 0395907E							(2)	
Point/Segment Remarks:										
(2) For Continuation See AIP Russia.										

Route Designator {RNP Type}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series ↓ ↑		Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7	8	9	10
G67		Route availability: (1) H24							
▲ ALI NDB (BT)	420523N 0433901E								
	247° 067°	38.0		FL 195 10800 FT AMSL	10800 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ BARUS	415414N 0425030E								
	247° 066°	58.1		FL 195 11500 FT AMSL	11500 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
Δ BATUMI NDB (LU)	413605N 0413651E								
	242° 062°	8.0		FL 195 FL095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ SARPI (FIR boundary)	413256N 0412659E								⁽²⁾
Point/Segment Remarks:									
(2) For Continuation See AIP Turkey.									

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↕ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
G261		Route availability: (1) H24								
▲ NOLGA (FIR boundary)		412541N 0425844E							(2)	
		076° 257°	57.1		FL 195 FL 135	12900 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
Δ LAGAS		413419N 0441353E								
		077° 257°	11.3		FL 195 FL 095	8500 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ BAGEM		413556N 0442850E								
		073° 253°	21.4		FL 195 FL 095	8400 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
Δ TBILISI DVOR/DME (TBS)		414014N 0445649E								
		073° 253°	13.7		FL 195 FL 095	5600 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
Δ DEDON		414255N 0451448E								
		068° 248°	48.8		FL 195 12300 FT AMSL	12300 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ KUFAN (FIR boundary)		415718N 0461708E							(3)	
Point/Segment Remarks:										
(2) For Continuation See AIP Turkey.										
(3) For Continuation See AIP Russia.										

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	{COP}	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
H24		Route availability: (1) H24								
▲ ROLIN (FIR boundary)		414757N 0403923E								
		068° 249°	43.8		FL 195 FL 095	1000 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ NEDEK		420008N 0413534E								

Route Designator {RNP Type}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series ↓ ↑		Controlling unit Frequency {Airspace class} Remarks
1	2	3	4	5	6	7	8	9	10
J11		Route availability: (1) H24							
Δ IBERI	420939N 0414318E								
	206° 026°	11.1		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ NEDEK	420008N 0413534E								
	209° 029°	17.7		FL 195 FL 095	1000 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲ AKAKI	414528N 0412217E								

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates						Remarks		
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
R11		Route availability: (1) H24								
▲ GUSLI (FIR boundary)		425506N 0431702E							(2)	
		155° -	21.4		FL 195 18700 FT AMSL	18700 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
Δ BASKA		423459N 0432655E								
		158° -	30.3		FL 195 11500 FT AMSL	11500 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ ALI NDB (BT)		420523N 0433901E								
		108° -	39.9		FL 195 FL 095	8900 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ OBORA		415000N 0442756E								
		109° -	23.7		FL 195 FL 095	7800 FT AMSL	5	Odd ⁽¹⁾		TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
Δ TBILISI DVOR/DME (TBS)		414014N 0445649E								
Point/Segment Remarks:										
(2) For Continuation See AIP Russia.										

Route Designator {RNP Type}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks
							↓	↑	
1	2	3	4	5	6	7	8	9	10
R315	Route availability: (1) H24								
▲ LAMUS	413240N 0453124E								
	100° 280°	57.3		FL 195 FL 095	8600 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHz Secondary 135.125 MHz [Class C]
▲ ADEKI (FIR boundary)	411748N 0464500E								⁽²⁾
Point/Segment Remarks:									
(2) For Continuation See AIP Azerbaijan.									

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name	Significant Point Coordinates								Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series ↓ ↑		Controlling unit Frequency {Airspace class} Remarks	
1	2	3	4	5	6	7	8	9	10	
R661		Route availability: (1) H24								
▲ OGEVI (FIR boundary)		410805N 0434713E							(2)	
		349° 169°	57.6		FL 195 12900 FT AMSL	12900 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ ALI NDB (BT)		420523N 0433901E								
Point/Segment Remarks:										
(2) For Continuation See AIP Armenia.										

Route Designator {RNP Type}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks
							↓	↑	
1	2	3	4	5	6	7	8	9	10
R807		Route availability: (1) H24							
▲ TISOT (FIR boundary)		411605N 0445309E							(2)
		335° -	41.5		FL 195 FL 095	8400 FT AMSL	5	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ MUKHRANI NDB (DF)		415500N 0443356E							
		333° -	26.7		FL 195 10600 FT AMSL	10600 FT AMSL	5	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
Δ DIPON		421944N 0442033E							
		333° -	11.1		FL 195 14200 FT AMSL	14200 FT AMSL	5	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
Δ TAVSA		423000N 0441456E							
		336° -	8.3		FL 195 14800 FT AMSL	14800 FT AMSL	5	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ LAPTO (FIR boundary)		423753N 0441119E							(3)
Point/Segment Remarks:									
(2) For Continuation See AIP Armenia.									
(3) For Continuation See AIP Russia.									

Route Designator {RNP Type}		[Route Usage Notes]								
Significant Point Name	Significant Point Coordinates								Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
R973		Route availability: (1) H24								
▲ DISKA (FIR boundary)		412750N 0451734E							(2)	
		304° 123°	19.9		FL 195 FL 095	5300 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
Δ	TBILISI DVOR/DME (TBS)	414014N 0445649E								
Point/Segment Remarks:										
(2) For Continuation See AIP Azerbaijan.										

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
				Lower limit			↓	↑		
1	2	3	4	5	6	7	8	9	10	
V66		Route availability: (1) H24								
Δ	TBILISI DVOR/DME (TBS)	414014N 0445649E								
		101° 281°	27.0		FL 195 FL 095	6500 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ LAMUS		413240N 0453124E								
		072° 252°	22.8		FL 195 FL 095	8600 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 125.125 MHZ Secondary 135.125 MHZ [Class C]
▲ ANAGU		413750N 0460056E								

Route Designator {RNP Type}		[Route Usage Notes]								
	Significant Point Name	Significant Point Coordinates							Remarks	
{RNP Type}	Track MAG ↓ ↑	Dist (NM)	(COP)	Upper limit Lower limit	Minimum flight altitude	Lateral limits (NM)	FL series		Controlling unit Frequency {Airspace class} Remarks	
							↓	↑		
1	2	3	4	5	6	7	8	9	10	
W48		Route availability: (1) H24								
Δ	KUTAISI DVOR/DME (KTS)	421033N 0422905E								
		251° 070°	41.3		FL 195 FL 095	6600 FT AMSL	5	Even ⁽¹⁾	Odd ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲	NEDEK	420008N 0413534E								
		173° 353°	24.1		FL 195 FL 095	6600 FT AMSL	5	Odd ⁽¹⁾	Even ⁽¹⁾	TBILISI ACC FREQ: Primary 133.400 MHZ Secondary 135.625 MHZ [Class C]
▲	BATUMI NDB (LU)	413605N 0413651E								

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