

ENR 3. ATS ROUTES

ENR 3.1 CONVENTIONAL NAVIGATION INTERNATIONAL ROUTES

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Track MAG ↓ / ↑ VOR RDL DIST (NM) (COP)	<u>Upper limits</u> <u>Lower limits</u> or Minimum altitude Airspace classification	Lateral limits NM	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
A 305							For continuation, see AIP ARGENTINA
▲ DORVO (FIR BDRY) 344258S 0573102W	☛107° ☛39.8	FL 245 900 M ALT A FL 245 C FL 195 G FL 085 900 M ALT	10	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ TOKAM 344653S 0564256W	☛107° ☛34.2	FL 245 900 M ALT				☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛104° ☛46.1	A FL 245 C FL 195 900 M ALT				☛ +/- 5 NM	
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	☛050°/230° ☛30.0			↓		☛ +/- 5 NM	
▲ LITOS 342732S 0544334W	049°/230° ☛59.5	FL 245 FL 090		↑		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ BOLAT 333949S 0540039W	050°/231° ☛73.3	A FL 245 C FL 195 FL 090				☛ +/- 5 NM	
▲ UGELO (FIR BDRY) 324042S 0530850W							For continuation, see AIP BRAZIL

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				Odd	Even		
1	2	3	4	5		6	7
A 306							
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	265° ☛ 40.2	FL 245 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
Δ LUCIO 350318S 0555218W	286° ☛ 12.4	A FL 245 C FL 195 900 M ALT				☛ +/- 5 NM	
Δ DAGUS 350217S 0560725W	286° ☛ 37.6					☛ +/- 5 NM	
▲ UGIMI (FIR BDRY) 345858S 0565302W							For continuation, see AIP ARGENTINA

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				Odd	Even		
1	2	3	4	5		6	7
A 309							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛058° ☛41.5	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ SOLIS 342057S 0552529W	☛058° ☛28.4	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ TIDRU 340057S 0550102W	058° ☛61.4	<u>FL 245</u> FL 090				☛ +/- 5 NM	
△ OGMAR 331735S 0540856W	☛059° ☛59.3	A <u>FL 245</u> C <u>FL 195</u> FL 090				☛ +/- 5 NM	
▣ UGURA (FIR BDRY) 323525S 0531922W							For continuation, see AIP BRAZIL

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				Odd	Even		
1	2	3	4	5		6	7
A 310							For continuation, see AIP BRAZIL
▲ ASUMA (FIR BDRY) 315203S 0540919W	☛ 202°/021° ☛ 28.6	FL 245 FL 090	10		↓	☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▣ MIMOL 322033S 0541319W	225°/044° ☛ 80.9	A FL 245 C FL 195 FL 090				☛ +/- 5 NM	
△ AROMO 333002S 0550244W	☛ 224°/044° ☛ 59.0	FL 245 900 M ALT A FL 245 C FL 195 G FL 085 900 M ALT				☛ +/- 5 NM	
▲ TELAK 342034S 0553938W	☛ 224°/043° ☛ 34.4	FL 245 900 M ALT				☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 213°/033° ☛ 13.2	A FL 245 C FL 195 900 M ALT				☛ +/- 5 NM	
△ DAGUS 350217S 0560725W	☛ 213°/033° ☛ 16.9				↑	☛ +/- 5 NM	
▲ DARKA (FIR BDRY) 351758S 0561502W							For continuation, see AIP ARGENTINA

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				Odd	Even		
1	2	3	4	5		6	7
A 314							For continuation, see AIP BRAZIL
▲ ISALA (FIR BDRY) 314034S 0542647W	☛ 240°/059° ☛ 114.7	FL 245 FL 090 A FL 245 C FL 195 FL 090	10		↓	☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ MUMET 330038S 0560353W	☛ 239°/059° ☛ 30.0	FL 245 900 M ALT				☛ +/- 5 NM	DURAZNO APP Channel: 120.4 MHZ
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	☛ 242°/061° ☛ 30.0	A FL 245 C FL 195 900 M ALT				☛ +/- 5 NM	
▲ NEGIR 334054S 0565702W	☛ 241°/061° ☛ 24.0	FL 245 FL 090				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ PONPA 335625S 0571859W	☛ 241°/061° ☛ 44.4	A FL 245 C FL 195 FL 090			↑	☛ +/- 5 NM	
▲ PAPIX (FIR BDRY) 342458S 0580002W							For continuation, see AIP ARGENTINA

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				Odd	Even		
1	2	3	4	5		6	7
B 555							For continuation, see AIP ARGENTINA
▲ GUALEGUAYCHU VOR/DME (GUA) 330035S 0583651W	☛142°/322° ☛85.7	<u>FL 245</u> <u>FL 090</u> A <u>FL 245</u> C <u>FL 195</u> <u>FL 090</u>	10	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ PONPA 335625S 0571859W	☛142°/321° ☛53.4	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	
▲ NIMBO 343049S 0562932W	141°/321° ☛30.0	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W				↑			

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				Odd	Even		
1	2	3	4	5		6	7
G 680							For continuation, see AIP BRAZIL
▲ TULIO (FIR BDRY) 313223S 0543001W	☛ 261°/080° ☛ 130.9	<u>FL 245</u> <u>FL 090</u>	10		↓	☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
Δ OPSOS 322418S 0565125W	☛ 260°/079° ☛ 96.0	A <u>FL 245</u> C <u>FL 195</u> <u>FL 090</u>		↑		☛ +/- 5 NM	
▲ GUALEGUAYCHU VOR/DME (GUA) 330035S 0583651W							For continuation, see AIP ARGENTINA

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				Odd	Even		
1	2	3	4	5		6	7
W 3							
▲ MIMOL 322033S 0541319W	☛ 336°/157° ☛ 104.2	FL 245 FL 090 A FL 245 C FL 195 FL 090	10	↓ ↑		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ RIVERA ARP (SURV) 305810S 0552824W							

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				Odd	Even		
1	2	3	4	5		6	7
W 15							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛013°/194° ☛30.0	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHz 120.2 MHz
▲ REGOV 341956S 0560029W	☛014°/194° ☛43.0	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHz 126.3 MHz
▲ SISEL 333654S 0555903W	☛014°/194° ☛29.4	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				☛ +/- 5 NM	DURAZNO APP Channel: 120.4 MHz
▲ KORBU 330726S 0555805W	☛013°/195° ☛82.3	<u>FL 245</u> FL 090				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHz 126.3 MHz
▲ TEMAL 314501S 0555526W	☛040°/221° ☛52.2	A <u>FL 245</u> C <u>FL 195</u> FL 090		↑		☛ +/- 5 NM	
▲ RIVERA ARP (SURV) 305810S 0552824W							

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				Odd	Even		
1	2	3	4	5		6	7
W 16							
▲ TEMAL 314501S 0555526W	☛ 354°/174° ☛ 40.2	FL 245 FL 090	10		↓	☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ EKEKI 310706S 0561124W	☛ 353°/173° ☛ 46.1	A FL 245 C FL 195 FL 090		↑		☛ +/- 5 NM	
▲ ARTIGAS ARP (SUAG) 302357S 0563039W							

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				Odd	Even		
1	2	3	4	5		6	7
W 18							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 043°/224° ☛ 34.4	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ TELAK 342034S 0553938W	☛ 044°/224° ☛ 59.1	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ AROMO 333002S 0550244W	044°/225° ☛ 80.9	<u>FL 245</u> FL 090 A <u>FL 245</u> C <u>FL 195</u> FL 090		↑		☛ +/- 5 NM	
▲ MIMOL 322033S 0541319W							

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				Odd	Even		
1	2	3	4	5		6	7
W 19							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 357°/177° ☛ 30.0	FL 245 900 M ALT A FL 245 C FL 195 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ MONSA 342056S 0561053W	☛ 357°/177° ☛ 31.5	FL 245 900 M ALT A FL 245 C FL 195 G FL 085 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ ASIVA 335026S 0562035W	☛ 357°/178° ☛ 30.0	FL 245 900 M ALT A FL 245 C FL 195 900 M ALT				☛ +/- 5 NM	DURAZNO APP Channel: 120.4 MHZ
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	☛ 354°/175° ☛ 30.0					☛ +/- 5 NM	
▲ BISOK 325246S 0564041W	☛ 355°/175° ☛ 98.5	FL 245 FL 090 A FL 245 C FL 195 FL 090				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ MEVIV 311839S 0571546W	☛ 355°/176° ☛ 18.5			↑		☛ +/- 5 NM	
▲ ARAPE 310100S 0572213W	☛ 356°/176° ☛ 47.0					☛ +/- 5 NM	
▲ GEMSU 301600S 0573818W							

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				Odd	Even		
1	2	3	4	5		6	7
W 20							
▲ SEKMI 312605S 0575903W	☛064°/244° ☛40.3	<u>FL 245</u> FL090	10	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ ARAPE 310100S 0572213W	☛063°/244° ☛57.8	A <u>FL 245</u> C <u>FL 195</u> FL 090			↑	☛ +/- 5 NM	
▲ ARTIGAS ARP (SUAG) 302357S 0563039W							

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				Odd	Even		
1	2	3	4	5		6	7
W 23							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 345°/166° ☛ 30.0	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ GUVIN 342302S 0561737W	☛ 346°/166° ☛ 35.8	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ VULRO 335053S 0563637W	☛ 346°/166° ☛ 47.8	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				☛ +/- 5 NM	DURAZNO APP Channel: 120.4 MHZ
▲ GORIO 330747S 0570139W	☛ 346°/166° ☛ 10.9	<u>FL 245</u> FL090				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ REBIN 325758S 0570718W	☛ 346°/167° ☛ 50.8	A <u>FL 245</u> C <u>FL 195</u> FL 090		↑		☛ +/- 5 NM	
▲ SANDU 321204S 0573323W	☛ 347°/167° ☛ 50.8					☛ +/- 5 NM	
▲ SEKMI 312605S 0575903W							

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				Odd	Even		
1	2	3	4	5		6	7
W 25							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 336°/157° ☛ 30.0	FL 245 900 M ALT A FL 245 C FL 195 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ DRACA 342524S 0562227W	☛ 337°/157° ☛ 55.8	FL 245 900 M ALT A FL 245 C FL 195 G FL 085 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ TESAD 333931S 0570052W	☛ 336°/158° ☛ 93.8	FL 245 FL090				☛ +/- 5 NM	
▲ PAYSANDÚ ARP (SUPU) 322151S 0580344W	☛ 016°/196° ☛ 55.8	A FL 245 C FL 195 FL 090				☛ +/- 5 NM	
▲ SEKMI 312605S 0575903W	☛ 091°/271° ☛ 37.8			↑ ↓		☛ +/- 5 NM	
▲ MEVIV 311839S 0571546W	☛ 091°/272° ☛ 56.4					☛ +/- 5 NM	
▲ EKEKI 310706S 0561124W	☛ 090°/271° ☛ 38.0					☛ +/- 5 NM	
▲ RIVERA ARP (SURV) 305810S 0552824W						☛ +/- 5 NM	

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				Odd	Even		
1	2	3	4	5		6	7
W 27							
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	☛ 319°/139° ☛ 30.0	FL 245 900 M ALT A FL 245 C FL 195 900 M ALT	10	↓		☛ +/- 5 NM	DURAZNO APP Channel: 120.4 MHZ
▲ RIONE 330330S 0565830W	☛ 319°/139° ☛ 9.2	FL 245 FL090				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ REBIN 325758S 0570718W	☛ 319°/139° ☛ 59.7	A FL 245 C FL 195 FL 090		↑		☛ +/- 5 NM	
▲ PAYSANDÚ ARP (SUPU) 322151S 0580344W							

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				Odd	Even		
1	2	3	4	5		6	7
W 29							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ 296°/116° ☛ 31.8	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		☛ +/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ KOSPI 344202S 0563856W	☛ 296°/116° ☛ 27.5	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> G <u>FL 085</u> 900 M ALT				☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ NEMAS 343503S 0571111W	296°/116° ☛ 29.9	<u>FL 245</u> 900 M ALT A <u>FL 245</u> C <u>FL 195</u> F <u>FL 085</u> G <u>FL 035</u> 900 M ALT				☛ +/- 5 NM	
▲ COLONIA ARP (SUCA) 342705S 0574601W				↑			

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ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
P 526 (RNAV 5)							For continuation, see AIP ARGENTINA
▲ FIR BDRY (GEMSU) 301600S 0573818W	NIL	176°/355° 134.2	FL 245 FL 090	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ OPSOS 322418S 0565125W	DUR 174° 59.8 295 FT	175°/355° 29.8	A FL 245 C FL 195 FL 090			+/- 5 NM	
▲ BISOK 325246S 0564041W	DUR 174° 30.0 295 FT	175°/354° 30.0	FL 245 900 M ALT			+/- 5 NM	DURAZNO APP Channel: 120.4 MHZ
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	NIL	178°/357° 30.0	A FL 245 C FL 195 900 M ALT			+/- 5 NM	
▲ ASIVA 335026S 0562035W	DUR 357° 30.0 295 FT	177°/357° 31.5	FL 245 900 M ALT A FL 245 C FL 195 G FL 085 900 M ALT			+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ MONSA 342056S 0561053W	CRR 177° 30.0 98 FT	177°/357° 30.0	FL 245 900 M ALT A FL 245 C FL 195 900 M ALT	↑		+/- 5 NM	CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	NIL						

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UL 324 (RNAV 5)							For continuation, see AIP ARGENTINA
▲  FIR BDRY (KUKEN) 341058S 0581302W	 DUR 072° 99.3 295 FT	032°/213° 42.4	UNL FL 245 Class A	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ TOTAL 333131S 0575406W	 DUR 093° 71.3 295 FT	033°/214° 103.9				+/- 5 NM	
▲ ENSAS 315440S 0570849W	 DUR 171° 92.6 295 FT	035°/215° 8.0				+/- 5 NM	
▣ DAYMA 314714S 0570514W	 DUR 174° 98.6 295 FT	034°/215° 58.2				+/- 5 NM	
▲ MIGOT 305248S 0564042W	 NIL	035°/215° 11.0				+/- 5 NM	
▲ ANLUN 304230S 0563605W	 NIL	034°/214° 20.5				+/- 5 NM	
▲  FIR BDRY (CUARA) 302313S 0562750W					↑		For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UL 405 (RNAV 5)							
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	☛ NIL	☛ 265° ☛ 40.2	UNL FL 245 Class A	↓	☛ +/- 5 NM		MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ LUCIO 350318S 0555218W	☛ CRR ☛ 342° 28.4 ☛ 98 FT	☛ 286° ☛ 12.5			☛ +/- 5 NM		
▲ DAGUS 350217S 0560725W	☛ CRR ☛ 034° 13.2 ☛ 98 FT	☛ 286° ☛ 37.6			☛ +/- 5 NM		
▲ ☛ FIR BDRY (UGIMI) 345858S 0565302W							For continuation, see AIP ARGENTINA

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UL 417 (RNAV 5)							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ NIL	☛ 321°/141° ☛ 30.0	UNL FL 245 Class A	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ NIMBO 343049S 0562932W	☛ DUR ☛ 012° 69.3 ☛ 295 FT	☛ 321°/141° ☛ 23.7				☛ +/- 5 NM	
▲ PABOT 341536S 0565134W	☛ DUR ☛ 030° 57.1 ☛ 295 FT	☛ 321°/142° ☛ 34.2				☛ +/- 5 NM	
▲ GUVON 335332S 0572303W	☛ DUR ☛ 066° 54.9 ☛ 295 FT	☛ 322°/142° ☛ 23.5				☛ +/- 5 NM	
▲ TILDA 333820S 0574432W	☛ DUR ☛ 087° 64.8 ☛ 295 FT	☛ 322°/142° ☛ 10.5				☛ +/- 5 NM	
▲ TOGAL 333131S 0575406W	☛ DUR ☛ 093° 71.3 ☛ 295 FT	☛ 322°/142° ☛ 47.3		↑		☛ +/- 5 NM	
▲ GUALEGUAYCHU VOR/DME (GUA) 330035S 0583651W							For continuation, see AIP ARGENTINA

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 402 (RNAV 5)							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ NIL	☛ 004°/184° ☛ 30.0	<u>UNL</u> FL 245 Class A	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ VUKAS 342013S 0560637W	☛ CRR ☛ 184° 30.0 ☛ 98 FT	☛ 004°/184° ☛ 32.8				☛ +/- 5 NM	
▲ ANRUP 334741S 0561209W	☛ DUR ☛ 343° 30.2 ☛ 295 FT	☛ 004°/185° ☛ 49.2				☛ +/- 5 NM	
▲ VUDUP 325854S 0562018W	☛ DUR ☛ 212° 23.8 ☛ 295 FT	☛ 005°/185° ☛ 50.5				☛ +/- 5 NM	
▲ ILMUL 320844S 0562832W	☛ DUR ☛ 193° 72.5 ☛ 295 FT	☛ 005°/185° ☛ 24.9				☛ +/- 5 NM	
▲ ILSIM 314400S 0563232W	☛ DUR ☛ 191° 97.2 ☛ 295 FT	☛ 005°/186° ☛ 51.6				☛ +/- 5 NM	
▲ MIGOT 305248S 0564042W	☛ NIL	☛ 006°/186° ☛ 9.7				☛ +/- 5 NM	
▲ MUKIB 304311S 0564213W	☛ NIL	☛ 006°/186° ☛ 36.9				☛ +/- 5 NM	
▲ ☛ FIR BDRY (SEKLO) 300629S 0564758W				↑			For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 418 (RNAV 5)							For continuation, see AIP ARGENTINA
▲  FIR BDRY (RODOV) 305004S 0574817W	 NIL	 096°/276°  18.6	UNL FL 245	↓ 			

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 424 (RNAV 5)							For continuation, see AIP ARGENTINA
▲ FIR BDRY (DORVO) 344258S 0573102W	CRR 107° 71.1 98 FT	107° 39.8	<u>UNL</u> FL 245 Class A	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
△ TOKAM 344653S 0564256W	CRR 107° 34.2 98 FT	107° 34.2				+/- 5 NM	
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	NIL	104° 46.1				+/- 5 NM	
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	NIL	051°/231° 30.0		↓ ↑		+/- 5 NM	
▲ RAVEL 342802S 0544249W	LDS 231° 30.0 98 FT	051°/233° 132.3				+/- 5 NM	
▲ FIR BDRY (TOLEP) 324341S 0530510W							For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 534 (RNAV 5)							For continuation, see AIP ARGENTINA
▲  FIR BDRY (SUGRA) 321234S 0581124W	 NIL	 083°/264°  56.1	<u>UNL</u> FL 245 Class A	↓		 +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ ENSAS 315440S 0570849W	 DUR  171° 92.6  295 FT	 084°/264°  5.2				 +/- 5 NM	
▲ LOLIL 315259S 0570303W	 DUR  174° 92.6  295 FT	 084°/264°  27.5				 +/- 5 NM	
▲ ILSIM 314400S 0563232W	 DUR  191° 97.2  295 FT	 084°/264°  29.3				 +/- 5 NM	
▲ PORLI 313419S 0560010W	 NIL	 084°/265°  47.9				 +/- 5 NM	
▲  FIR BDRY (URURI) 311810S 0550726W					↑		For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	<u>Upper limit</u> <u>Lower limit</u> Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 540 (RNAV 5)							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ NIL	☛ 053° ☛ 38.9	<u>UNL</u> FL 245 Class A	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ MOLBI 342050S 0553018W	☛ CRR ☛ 234° 38.9 ☛ 98 FT	☛ 054° ☛ 149.1				☛ +/- 5 NM	
▲ ☛ FIR BDRY (AKPOD) 322757S 0533341W							For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	<u>Upper limit</u> <u>Lower limit</u> Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 654 (RNAV 5)							For continuation, see AIP ARGENTINA
▲  FIR BDRY (KUKEN) 341058S 0581302W	 DUR  072° 99.3  295 FT	 047°  40.3	<u>UNL</u> FL 245 Class A	↓		 +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ TILDA 333820S 0574432W	 DUR  087° 64.8  295 FT	 047°  81.0				 +/- 5 NM	
▲ PUMIL 323227S 0564820W	 DUR  174° 51.3  295 FT	 048°  29.0				 +/- 5 NM	
▲ ILMUL 320844S 0562832W	 DUR  193° 72.5  295 FT	 048°  42.0				 +/- 5 NM	
▲ PORLI 313419 0560010W	 NIL	 049°  45.8				 +/- 5 NM	
▲  FIR BDRY (GAMOT) 305640S 0552937W							For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 661 (RNAV 5)							
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ NIL	☛ 062°/242° ☛ 44.8	UNL FL 245 Class A	↓		☛ +/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ TOSIB 342106S 0551955W	☛ LDS ☛ 171° 32.6 ☛ 98 FT	☛ 062°/244° ☛ 148.8				☛ +/- 5 NM	
▲ ☛ FIR BDRY (TOLEP) 324341S 0530510W					↑		
							For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UM 792 (RNAV 5)							For continuation, see AIP BRAZIL
▲ FIR BDRY (NIGRO) 315744S 0535501W	NIL	229° 27.6	UNL FL 245 Class A	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▣ MIMOL 322033S 0541319W	NIL	225° 80.9				+/- 5 NM	
△ AROMO 333002S 0550244W	DUR 289° 73.3 295 FT	224° 59.1				+/- 5 NM	
▲ TELAK 342034S 0553938W	CRR 224° 34.5 98 FT	224° 34.5				+/- 5 NM	
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	NIL	213°/033° 13.2		↓		+/- 5 NM	
△ DAGUS 350217S 0560725W	CRR 034° 13.2 98 FT	213°/033° 16.9		↑		+/- 5 NM	
▲ FIR BDRY (DARKA) 351758S 0561502W							For continuation, see AIP ARGENTINA

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN 741 (RNAV 5)							For continuation, see AIP BRAZIL
▲ FIR BDRY (UMRUD) 312632S 0543841W	NIL	237° 126.2	<u>UNL</u> FL 245 Class A	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ VUDUP 325854S 0562018W	DUR 212° 23.8 295 FT	236° 16.4				+/- 5 NM	
▲ ENTED 331047S 0563348W	DUR 174° 11.0 295 FT	236° 59.3				+/- 5 NM	
▲ GUVON 335332S 0572303W	DUR 066° 54.9 295 FT	236° 43.9				+/- 5 NM	
▲ FIR BDRY (PAPIX) 342458S 0580002W							For continuation, see AIP ARGENTINA

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UN 857 (RNAV 5)							For continuation, see AIP ARGENTINA
▲ BDRY FIR (DORVO) 344258S 0573102W	DUR 044° 96.1 295 FT	061° 42.6	UNL FL 245 Class A	↓		+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ GNSS or IRU required
▲ PABOT 341536S 0565134W	DUR 044° 57.1 295 FT	061° 34.7				+/- 5 NM	
▲ LOMID 335308S 0561945W	DUR 030° 11.0 295 FT	061° 8.3				+/- 5 NM	
▲ ANRUP 334741S 0561209W	DUR 343° 30.1 295 FT	062° 132.4				+/- 5 NM	
▣ MIMOL 322033S 0541319W	NIL	064°/244° 25.6		↓	↑	+/- 5 NM	
▲ BDRY FIR (OGRUN) 320343S 0535034W							For continuation, see AIP BRAZIL

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
UP 526 (RNAV 5)							For continuation, see AIP ARGENTINA
▲ BDRY FIR (GEMSU) 301600S 0573818W	☛ NIL	☛ 176°/356° ☛ 33.3	UNL FL 245 Class A	↓		☛ +/- 10 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ SASKU 304754S 0572651W	☛ NIL	☛ 176°/355° ☛ 62.0				☛ +/- 10 NM	
▣ DAYMA 314714S 0570514W	☛ DUR ☛ 174° 98.6 ☛ 295 FT	☛ 175°/355° ☛ 6.0				☛ +/- 10 NM	
▲ LOLIL 315259S 0570303W	☛ DUR ☛ 174° 92.6 ☛ 295 FT	☛ 175°/355° ☛ 41.3				☛ +/- 10 NM	
▲ PUMIL 323227S 0564820W	☛ DUR ☛ 174° 51.3 ☛ 295 FT	☛ 175°/355° ☛ 40.2				☛ +/- 10 NM	
▲ ENTED 331047S 0563348W	☛ DUR ☛ 174° 11.1 ☛ 295 FT	☛ 175°/355° ☛ 11.1				☛ +/- 10 NM	
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	☛ NIL	☛ 178°/357° ☛ 32.8				☛ +/- 10 NM	
▲ LOMID 335308S 0561945W	☛ DUR ☛ 357° 32.8 ☛ 295 FT	☛ 177°/357° ☛ 28.7				☛ +/- 10 NM	
▲ MONSA 342056S 0561053W	☛ CRR ☛ 177° 30.0 ☛ 98 FT	☛ 177°/357° ☛ 30.0				☛ +/- 10 NM	
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ NIL			↑			

✈ ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

1. Atlantic Ocean random routing RNAV area (AORRA)

1.1 DESCRIPTION OF AORRA AIRSPACE

- 1.1.1 The airspace between FL 290 and FL 410 inclusive shall be designated as **AORRA** within the Atlántico, Comodoro Rivadavia, Ezeiza, Johannesburg Oceanic, Luanda Oceanic and Montevideo FIRs, limited by:

Line joining the following coordinates:	
60° 00' 00" S	015° 00' 00" E
27° 30' 00" S	015° 00' 00" E
17° 30' 00" S	011° 13' 00" E
09° 40' 00" S	011° 24' 00" E
Then an arc segment of 120 NM centered over Luanda VOR to the position:	
07° 48' 00" S	011° 30' 00" E
Then straight lines to each of the following co-ordinates:	
05° 20' 00" S	010° 00' 00" E
05° 30' 00" S	008° 50' 00" E
04° 10' 00" S	006° 35' 00" E
05° 52' 00" S	006° 35' 00" E
12° 00' 00" S	010° 00' 00" W
19° 43' 00" S	034° 55' 00" W
26° 45' 00" S	043° 45' 00" W
34° 00' 00" S	050° 00' 00" W
34° 00' 00" S	051° 33' 20" W
36° 45' 30" S	053° 11' 47" W
58° 21' 06" S	053° 00' 00" W
60° 00' 00" S	053° 00' 00" W
Then to:	
60° 00' 00" S	015° 00' 00" E
✈ (See ENR 3.2-19 AORRA – GEOGRAPHICAL REFERENCE MAP).	

- 1.1.2 Those flights operating within AORRA in Montevideo FIR shall enter and exit via the gate:
BIVEN 36° 35' 00" S 053° 05' 10" W
- 1.1.3 Aircraft may track via a flight plan preferred track between these gates. Prior to entering or after exiting the AORRA at a particular gate, aircraft are to comply with the ATS routes associated with that particular entry or exit point or as instructed by ATC, and are required to flight plan accordingly.

1.2 AUTOMATIC DEPENDENT SURVEILLANCE AND CONTROLLED PILOT DATA LINK COMMUNICATION (ADS/CPDLC)

1.2.1 ADS/CPDLC will be utilized in AORRA airspace by suitably equipped service providers to provide an ATS service to aircraft able to take advantage of this form of communication. Operators are to note that in some sectors of the random routing airspace, ADS/CPDLC is the primary form of communication, in accordance with the provisions of Advisory Circular CA/UY/ANS/ATM/013.

1.2.2  The logon address is SUEO.

1.3 REQUIRED NAVIGATION PERFORMANCE (RNP 10) PROCEDURES FOR AICRAFT OPERATIONS WITHIN AORRA

1.3.1 Only those aircraft certified for RNP 10 operations shall operate within the AORRA.

1.3.2 No aircraft shall flight plan to operate in the AORRA airspace unless it is RNP 10 certified to operate in this airspace by the State of Registry or the State of operator, as the case may be, except in the following circumstances:

- a) The aircraft is being initially delivered to the State of Registry or the State of the operator.
- b) The aircraft is certified but experience navigation degradation and is being flown back to base or to a maintenance facility for repairs.
- c) The aircraft is engaged on a humanitarian or mercy flight.
- d) State aircraft.

1.4 APPROVAL OF AIRWORTHINESS/OPERATIONS

1.4.1 RNP 10 Approval – The operators operating or intending to operate in AORRA shall obtain RNP 10 approval from the State's registry or States operator as appropriate and which user complies with the following conditions:

- a) The aircraft satisfies specifications of "Minimum aircraft system performance specifications" (MASPS) of the State's registry.
- b) The aircraft is operated under the conditions indicated in the RNP 10 operational approval issued by the user's State.

1.5 FLIGHT PLANS

1.5.1 When it is intended to operate an aircraft in AORRA airspace, RNP 10 compliance shall be indicated by placing an "R" in box 10 of the flight plan form.

1.5.2 Flight plans shall contain entry and exit point to AORRA and time estimated for every 5° of longitude.

1.5.3 In the case of repetitive flight plans RNP 10 compliance shall be indicated by placing an "R" in box Q of the RPL, regardless of the required level, as follows: EQPT/R.

1.5.4 Those operators operating under circumstances stipulated in paragraph 1.3.2 shall insert STS/NON RNP 10 in field 18 of the ICAO FPL form.

1.6 OPERATIONAL PROCEDURES BEFORE ENTERING TO AORRA AIRSPACE

1.6.1 Before entering the AORRA airspace the pilot-in- command of an aircraft RNP 10 certified, shall verify that the required equipment to fly within AORRA is operating normally and also verify with the greatest possible accuracy the position of the aircraft through external air navigation aids.

1.6.2 If any equipment is not operating normally, the pilot should notify ATC before entering the AHORRA airspace.

1.6.3 Whilst operating within the defined area of the AORRA, flight levels will comply with the table of cruising levels as reflected in ICAO Annex 2 "Air Rules", Appendix 3 (b). No RVSM operations are envisaged within the AORRA until further notice.

1.6.4 RVSM transition procedures should be taken into consideration from/to RVSM airspace in the FIR where RVSM transition areas are defined.

1.7 OPERATIONAL PROCEDURES AFTER ENTERING THE AORRA AIRSPACE

1.7.1 General procedures

1.7.1.1 If an aircraft cannot continue the flight in compliance with the ATC and/or cannot maintain the precision required for the specified navigation performance in the airspace, ATC is to be advised immediately.

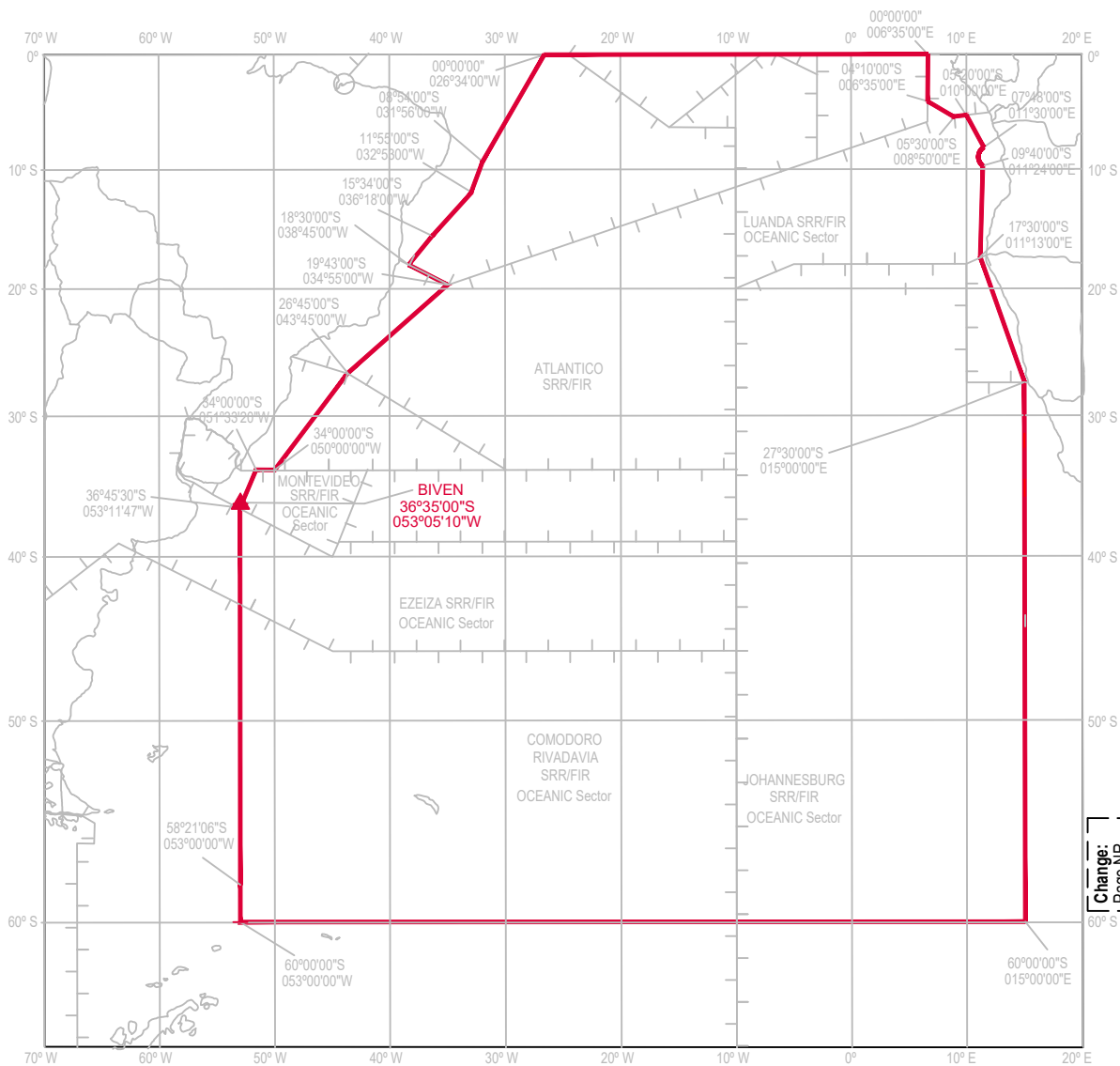
1.7.2 Position report shall be required for ATC at entry/exit gate:

05° E
10° E
00° E/W
05° W
10° W
15° W
20° W
25° W
30° W
35° W
40° W
45° W
50° W

As well as any other position required by ATC.

AORRA - GEOGRAPHIC REFERENCE MAP

LIMITS OF THE TOTAL AREA AND MONTEVIDEO FIR ENTRY AND EXIT POINT



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ENR 3.3 OTHER ROUTES

3.3.1 VFR Corridors

3.3.1.1 All VFR traffic entering to Montevideo FIR with destination to the following International Airports, Angel S. Adami (SUAA), Carrasco (SUMU) y C/C Carlos A. Curbelo – Laguna del Sauce (SULS) or exit Montevideo FIR with destination to Ezeiza FIR international airports, traffic shall be directed through VFR1 corridor. Flights coming from International airports of Ezeiza FIR must submit FPL and shall be directed through VFR1 corridor. Aircrafts whose FPL have not been approved by Montevideo ACC, shall not be authorized to enter.

3.3.1.2 Traffic entering VFR1 corridor (Uruguay) shall hold a minimum altitude of 2500 FT (750 M) and a maximum of FL 055, which maintain until Nueva Helvecia. After that, they may use a maximum level of FL 075.

3.3.1.3 Traffic maintaining VFR1 corridor, shall continue flying within Airspace Class “G” and monitoring on frequency, as far as possible with Montevideo Control (FREQ 128.5 and 126.3 MHZ) and to enter Carrasco Terminal Area they shall contact Carrasco APP (FREQ 119.2 and 120.2 MHZ) 5 minutes before entering to get instructions and traffic information. Traffic maintaining VFR1 corridor (Uruguay) could be directed out of this visual corridor, whenever ATC and traffic allows ensuring a better management.

3.3.1.4 Traffic with destination Ángel S. Adami Intl. Airport (SUAA) or Carrasco Intl. Airport (SUMU), shall proceed to them from San José position and according to ATC instructions. Exit traffic shall be directed to San José according to ATC instructions.

3.3.1.5 Aircraft must wait for ATC clearance at VFR1 exit points.

3.3.1.6 Maximum speed in VFR corridors: 220 KT.

3.3.1.7 All aircraft shall maintain bidirectional communication as far as possible, according to the airspace class, with the appropriate control and transponder (A and C modes) operating shall flight according to flight levels or altitudes based on the table of cruising levels, see AIP Uruguay ENR 1.7-5 page.

3.3.1.8 Traffic on corridor:

✈ **VFR 2** – maximum altitude 2000 FT. Within CTR Capitán CURBELO, Airspace Class C; outside CTR Capitán CURBELO Airspace Class G. Frequencies: CTR Capitán CURBELO 118.3 MHZ, TMA Carrasco 119.2 and 120.2 MHZ.

✈ **VFR 3** -segment MINAS – PAN DE AZUCAR - CURBELO VOR/DME (LDS) altitude FL 035, maximum speed 180 KT; segment CURBELO VOR/DME (LDS) – PAN DE AZUCAR - MINAS altitude 600 M (2000 FT). Within CTR Capitán CURBELO, Airspace Class C; outside CTR Capitán CURBELO Airspace Class G. Frequencies: CTR Capitán CURBELO 118.3 MHZ, TMA Carrasco 119.2 and 120.2 MHZ.

VFR4 - maximum altitude 2000 FT. Airspace Class G. TMA Carrasco frequencies 119.2 and 120.2 MHZ.

All aircrafts must communicate on frequency 118.3 MHZ entering CTR Capitán CURBELO.

- ✈️ 3.3.1.9 Traffic could be directed out of the visual corridors and continue ascending, whenever ATC and traffic allows ensuring a better management.
- ✈️ 3.3.1.10 SURBO corridor shall be used only for entry or exit national territory flights and with origin or destination Colonia Intl Airport (SUCA).
- ✈️ 3.3.1.11 Traffic proceeding from Ezeiza FIR to Carmelo Aerodrome (SUCM) could be cleared to flight direct to destination. Traffic proceeding from Carmelo (SUCM) to Ezeiza FIR shall use N° 1 Corridor (Argentina).
- ✈️ 3.3.1.12 All traffics VFR proceeding from Montevideo FIR, with exception Colonia (SUCA) which final destination will be Aeroparque "Jorge Newbery", San Fernando or other, will be directed through Martín García island (VFR1Corridor) and must be released with 2000 FT altitude.

NOTE: Regulations in force shall be applied according to airspace used while flying.

✈️ 3.3.2 ADDITIONAL INFORMATION

- ✈️ 3.3.2.1 Prohibited, restricted and danger areas see ENR 5.1 from AIP URUGUAY.
- ✈️ 3.3.2.2 VFR flights coming from SABE, SADF, SAEZ or from other Ezeiza FIR airport to destination SUMU, SUAA or SULS or from other Montevideo FIR airport (see GEN 1.6 and ENR 3.3-3 to 3.3-6 from AIP URUGUAY)

ENR 3.3 VFR ROUTES

[illegible]

ENR 3.3 VFR ROUTES

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Track MAG ↓ / ↑ VOR RDL DIST (NM) (COP)	Upper limits Lower limits or Minimum altitude Airspace classification	Lateral limits NM	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
1	2	3	4	5		6	7
VFR 2							
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	☛313°/133° ☛9.6	ALT 2000 FT Class C		↓		CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ Within Capitán CURBELO CTR 118.3 MHZ	
▲ ☛PAN DE AZUCAR ☛ 344633S 0551529W	☛269°/089° ☛6.4						
▲ SOLIS GRANDE 344800S 0552300W	☛359°/179° ☛16.1	Class G					
▲ ☛FRIGORIFICO ☛ 343218S 0552720W	☛313°/133° ☛28.9	☛			↑		
△ SAN RAMÓN 341723S 0555718W							

ENR 3.3 VFR ROUTES

<i>Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification</i>	<i>Track MAG ↓ / ↑ VOR RDL DIST (NM) (COP)</i>	<i>Upper limits Lower limits or Minimum altitude Airspace classification</i>	<i>Lateral limits NM</i>	<i>Direction of cruising levels</i>		<i>Navigation accuracy requirement</i>	<i>Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations</i>
1	2	3	4	5		6	7
VFR 3 ▲ MINAS 342248S 0551411W ▲ PAN DE AZUCAR ☛ 344633S 0551529W ▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W							
	☛195°/015° ☛23.7	FL 035 600 M		↓ ↑			CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ Maximum speed: 180 KT Within Capitán CURBELO CTR 118.3 MHZ
	☛133°/313° ☛9.6	Class C (Within Capitán CURBELO CTR) Class G (Outside Capitán CURBELO CTR)					

ENR 3.3 VFR ROUTES

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Track MAG ↓ / ↑ VOR RDL DIST (NM) (COP)	<u>Upper limits</u> <u>Lower limits</u> or Minimum altitude Airspace classification	Lateral limits NM	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
VFR 4							
▲ MINAS 342248S 0551411W	☛142°/322° ☛23.3	ALT 2000 FT		↓			CARRASCO APP Channel: 119.2 MHZ 120.2 MHZ Within Capitán CURBELO CTR 118.3 MHZ
▲ PUENTE 343735S 0545222W	☛162°/342° ☛13.0	Class G					
▲ LAGUNA 344845S 0544416W	☛249°/069° ☛10.8						
▲ PUNTA DEL ESTE ARP (SUPE) 345447S 0545509W				↑			

✈️ 3.3.3 REMOTELY OPERATED AERIAL DEVICES (DAOD) CORRIDORS

✈️ 3.3.3.1 The following corridors are defined for DAOD flight in day and night VMC and IMC conditions on the following routes and with the maximum altitudes:

Route	Description	Direction	Upper Limit	Remarks
1	2	3	4	5
Tacuarembó - Ansina	2 NM corridor with axis in the high-tension line that connects Tacuarembó and Melo, later, axis in Route NR 5.	Both	Maximum Altitude: 700 FT AGL	Nil
Tacuarembó - Tambores	2 NM corridor with axis on the railway between both towns.	Both	Maximum Altitude: 700 FT AGL	Nil
Tacuarembó - Curtina	2 NM corridor with axis on Route NR 5.	Both	Maximum Altitude: 600 FT AGL	Nil
Tacuarembó - Paso del Cerro - Rivera	2 NM corridor with axis on the railway between Tacuarembó and Rivera.	Both	Maximum Altitude: 500 FT AGL.	Nil

✈3.3.4 USER PREFERRED ROUTES (UPR)

✈3.3.4.1 Introduction

User Preferred Routes (UPRs) are routes requested by airlines that optimize the route between city pairs. Upon publication, airlines may use these segments for any city pair until they are cancelled or modified.

✈3.3.4.2 UPR requests within the Montevideo FIR will be directed to the Air Traffic Technical Department:

email: dtta@dinacia.gub.uy

cell phone: (+598) 98501778

✈3.3.4.3 These requests shall undergo a trial period and shall be available for a defined period of time to the requesting airline. The trial period is intended to determine the operational viability of the UPR for all interested parties. Once this viability is verified, the requests shall be published in the AIP.

✈3.3.4.4 Aircraft shall operate UPR from one of the following waypoints (WPT):

- Published ATS route; or
- Last waypoint of a standard departure route (SID);
- Boundary of an area where Strategic Direct Routing (EDE) is applied.

✈3.3.4.5 ATM Requirements

ATS surveillance systems and VHF communications in both directions are required for the application of the UPR.

The UPR shall not be applied in the event of a partial or total ATS contingency.

✈3.3.4.6 To present and fly UPR, the following minimum aircraft capabilities are required:

<i>Communication Requirements</i>	<i>PBN Requirements</i>	<i>PBN in field 18</i>
Voice communication - VHF, CPDLC as required, to maintain contact throughout the route to be flown.	RNAV 5	B1/B2

✈3.3.4.7 UPR Waypoints shall be included in the flight plan. Route designator must not be included.

ENR 3.3 UPR ROUTES

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
✈️UPR 01 (RNAV 5)							For continuation, see AIP ARGENTINA
▲ ✈️BDRY FIR (GEMSU) 301600S 0573818W	✈️NIL	✈️176°/356° ✈️33.3	UNL FL 245 Class A	↓		✈️+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
▲ ✈️SASKU 304754S 0572651W	✈️NIL	✈️204°/022° ✈️206.4			↑	✈️+/- 5 NM	GNSS or IRU required
▲ ✈️BDRY FIR (KUKEN) 341058S 0581302W							For continuation, see AIP ARGENTINA

Route designator (RNP/RNAV) Name of significant points Coordinates RCP/RSP specification	Way-point IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Track MAG ↓ / ↑ Geodesic DIST (NM)	Upper limit Lower limit Airspace classification	Direction of cruising levels		Navigation accuracy requirement	Remarks Controlling unit channel Logon address SATVOICE number RCP/RSP specification limitations
				Odd	Even		
1	2	3	4	5		6	7
✈️UPR 02 (RNAV 5)							For continuation, see AIP BRAZIL
▲ ✈️BDRY FIR (SEKLO) 300629S 0564758W	✈️NIL	✈️210°/027° ✈️254.4	UNL FL 245 Class A	↓		✈️+/- 5 NM	MONTEVIDEO ACC Channel: 128.5 MHZ 126.3 MHZ
					↑		GNSS or IRU required
▲ ✈️BDRY FIR (KUKEN) 341058S 0581302W							For continuation, see AIP ARGENTINA

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ENR 3.4 EN-ROUTE HOLDING

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