

## ENR 3. ATS ROUTES

### ENR 3.1 LOWER ATS INTERNATIONAL ROUTES

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM DIST NM (COP)	Upper limits Lower limits  Airspace classification	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
				Odd	Even	
1	2	3	4	5		6
<b>A 305</b>						
▲ EZEIZA VOR/DME 344927S 0583207W	090°	FL 245 A FL 195 B FL 145 C FL 045	10		↓	BAIRES APP See AIP ARGENTINA
▲ DORVO 344258S 0573102W	105° 40	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT	10		↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ TOKAM 344653S 0564256W	105° 34	FL 245 900 M ALT				CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	103° 46	A FL 245 C FL 195 900 M ALT				
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	048° 228° 30				↓	
▲ LITOS 342732S 0544334W	049° 229° 59	FL 245 FL 090				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
△ BOLAT 333949S 0540039W	049° 230° 73	A FL 245 C FL 195 FL 090			↑	
▲ UGELO 324042S 0530850W	050° 230° 71	FL 245 FL 145	16		↓	CURITIBA ACC See AIP BRASIL
▲ PELOTAS VOR (PTS) 314309S 0521938W					↑	

**ENR 3.1 RUTAS ATS INFERIORES INTERNACIONALES**

Designador de Ruta (tipo de RNP) Nombre de puntos significativos Coordenadas	Rumbo MAG RDL VOR DIST NM (COP)	Limite superior Limite inferior	Límite Lateral  NM	Dirección de los niveles de crucero		Observaciones Dependencia de Control Frecuencia
		Clasificación del espacio aéreo		Impar	Par	
1	2	3	4	5		6
<b>A 306</b>  ▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W  Δ LUCIO 350318S 0555218W  Δ DAGUS 350217S 0560725W  ▲ UGIMI 345858S 0565302W  ▲ LA PLATA VOR (PTA) 345833S 0575354W						
	264°	<u>FL 245</u> 900 M ALT	10	↓	APP CARRASCO 119.2 MHZ 120.2 MHZ	
	40	A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				
	285°					
	12					
	285°					
	38					
277°	<u>FL 245 A</u> <u>FL 195 B</u> <u>FL 145 C</u> FL 045	10	↓	APP BAIRES Ver AIP ARGENTINA		
50						

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>A 309</b>						
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	056°  42	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT	10	↓		CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ SOLIS 342057S 0552529W	☛057°  28	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ ORUTA 340057S 0550102W	☛057°  61	FL 245 FL 090  A FL 245 C FL 195 FL 090				
△ OGMAR 331735S 0540856W	☛058°  58					
▣ UGURA 323617S 0532027W	☛058°  74	FL 245 ☛FL 145	16	↓		CURITIBA ACC See AIP BRASIL
▲ PELOTAS VOR (PTS) 314309S 0521938W						

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>A 310</b>						
▲ BAGE VOR (BGE) 312326S 0540635W	☛ <u>198°</u> ☛ <u>018°</u> 29	<u>FL 245</u> ☛ <u>FL 145</u>	16	↑	↓	CURITIBA ACC See AIP BRASIL
▲ ASUMA 315203S 0540919W	<u>200°</u> ☛ <u>020°</u> 29	<u>FL 245</u> <u>FL 090</u>	10		↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▣ MELO VOR (MLO) 322032.8S 0541319.1W	☛ <u>224°</u> <u>043°</u> 81	<b>A</b> <u>FL 245</u> <b>C</b> <u>FL 195</u> <u>FL 090</u>				
△ AROMO 333002S 0550244W	☛ <u>223°</u> <u>042°</u> 59	<u>FL 245</u> 900 M ALT  <b>A</b> <u>FL 245</u> <b>C</b> <u>FL 195</u> <b>G</b> <u>FL 085</u> 900 M ALT				
▲ TELAK 342034S 0553938W	☛ <u>222°</u> ☛ <u>042°</u> 34	<u>FL 245</u> 900 M ALT  <b>A</b> <u>FL 245</u> <b>C</b> <u>FL 195</u> 900 M ALT				CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ <u>212°</u> ☛ <u>032°</u> 13					
△ DAGUS 350217S 0560725W	☛ <u>212°</u> ☛ <u>032°</u> 17			↑		
▲ DARKA 351758S 0561502W	<u>208°</u> <u>028°</u> 93	<u>FL 245 A</u> <u>FL 195 B</u> <u>FL 145 C</u> <u>FL 075</u>	15		↓	EZEIZA ACC See AIP ARGENTINA
▲ ROPIS 364430S 0565730W				↑		

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits  Airspace classification	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
				Odd	Even	
1	2	3	4	5		6
<b>A 314</b>  ▲ PAMUG 302311S 0515802W  ▲ BAGE VOR (BGE) 312326S 0540635W  ▲ ISALA 314034S 0542647W  ▲ MUMET 330038S 0560353W  ▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W  ▲ NEGIR 334054S 0565702W  △ PONPA 335625S 0571859W  ▲ PAPIX 342458S 0580002W  ▲ EZEIZA VOR/DME (EZE) 344927S 0583207W						
		<u>FL 245</u> FL 145	16		↓	CURITIBA ACC See AIP BRASIL
	<u>257°</u> 075° 126					MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	<u>238°</u> 058° 24					
	<u>239°</u> 057° 115	<u>FL 245</u> FL 090  A <u>FL 245</u> C <u>FL 195</u> FL 090	10			
	<u>237°</u> 057° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				DURAZNO APP 120.4 MHZ
	<u>240°</u> 060° 30					
	<u>240°</u> 060° 24	<u>FL 245</u> FL 090  A <u>FL 245</u> C <u>FL 195</u> FL 090				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	<u>240°</u> 059° 44				↑	
	<u>234°</u> 054° 36	<u>FL 245 A</u> <u>FL 195 B</u> <u>FL 145 C</u> FL 045	10		↓	BAIRES APP See AIP ARGENTINA
				↑		

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>A 556</b>						
△ BITUS 281204S 0573525W		FL 245 A FL 195 B FL 145 C FL 045	15	↓	↑	RESISTENCIA ACC See AIP ARGENTINA
▲ M. CASEROS VOR/DME (MCS) 301600S 0573818W	191° 011° 124					
△ OPSOS 322418S 0565125W	174° 353° 134	FL 245 FL 090	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ BISOK 325246S 0564041W	173° 353° 30	A FL 245 C FL 195 FL 090				
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	173° ☛353° 30	FL 245 900 M ALT				DURAZNO APP 120.4 MHZ
▲ ASIVA 335026S 0562035W	☛176° ☛356° 30	A FL 245 C FL 195 900 M ALT				
▲ MONSA 342056S 0561053W	☛176° ☛356° 31	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛176° 355° 30	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT			↑	CARRASCO APP 119.2 MHZ 120.2 MHZ

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency	
		Airspace classification		Odd	Even		
1	2	3	4	5		6	
<b>B 555</b>  ▲ OPUP0 322159S 0593745W  ▲ GUALEGUAYCHU VOR/DME (GUA) 330035S 0583651W  △ PONPA 335625S 0571859W  ▲ NIMBO 343049S 0562932W  ▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W		<u>FL 245 A</u> <u>FL 195 B</u> <u>FL 145 C</u> FL 045	15	↓	↑	EZEIZA ACC See AIP ARGENTINA	
	134° 314° 64						
	140° 320° 86	<u>FL 245</u> FL 090  A <u>FL 245</u> C <u>FL 195</u> FL 090	10	↓			MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	140° 320° 53	<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					
	140° 320° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				↑	CARRASCO APP 119.2 MHZ 120.2 MHZ

**ENR 3.1 LOWER ATS INTERNATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>G 680</b>  ◀▲ BAGE VOR (BGE) 312326S 0540635W  ▲ TULIO 313223S 0543001W  Δ OPSOS 322418S 0565125W  ◀▲ GUALEGUAYCHU VOR/DME (GUA) 330035S 0583651W  ▲ TINTA 325616S 0601112W		FL 245 FL 035	16		↓	CURITIBA ACC See AIP BRASIL
	257° 077° 22					MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	◀259° ◀078° 131	FL 245 FL 090	10			
	◀258° ◀077° 96	A FL 245 C FL 195 FL 090			↑	
	280° 099° 79	FL 245 A FL 195 B FL 145 C FL 045	15		↓	EZEIZA ACC See AIP ARGENTINA
				↑		



**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 3</b>  ▲ MELO VOR (MLO) 322032.8S 0541319.1W  ▲ RIVERA ARP (SURV) 305810S 0552824W	↻ <u>335°</u> 155° 104	FL <u>245</u> FL 090  A FL <u>245</u> C FL <u>195</u> FL 090	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
				↑		

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 15</b>  <b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W  <b>▲ REGOV</b> 341956S 0560029W  <b>▲ SANDI</b> 333654S 0555903W  <b>▲ KORBU</b> 330726S 0555805W  <b>▲ TACUAREMBÓ VOR (TMB)</b> 314501.0S 0555525.9W  <b>▲ RIVERA ARP (SURV)</b> 305810S 0552824W						
	012° 192° 30	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT	10	↓	CARRASCO APP 119.2 MHZ 120.2 MHZ	
	012° 193° 43	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT			MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ	
	013° 193° 29	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT			DURAZNO APP 120.4 MHZ	
	013° 194° 82	FL 245 FL 090			MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ	
	038° 219° 52	A FL 245 C FL 195 FL 090		↑		

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
				1	2	
<b>W 16</b>						
▲ TACUAREMBÓ VOR (TMB) 314501.0S 0555525.9W	<u>352°</u> ☛ 173° 40	<u>FL 245</u> FL 090	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ MASOL 310706S 0561124W	<u>351°</u> 171° 46	<b>A</b> <u>FL 245</u> <b>C</b> <u>FL 195</u> FL 090			↑	
▲ ARTIGAS ARP (SUAG) 302357S 0563039W						
<b>W 18</b>						
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	☛ <u>042°</u> 222° 34	<u>FL 245</u> 900 M ALT	10	↓		CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ TELAK 342034S 0553938W	<u>042°</u> ☛ 223° 59	<u>FL 245</u> 900 M ALT				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ AROMO 333002S 0550244W	☛ <u>043°</u> ☛ 224° 81	<u>FL 245</u> FL 090			↑	
▲ MELO VOR (MLO) 322032.8S 0541319.1W		<b>A</b> <u>FL 245</u> <b>C</b> <u>FL 195</u> FL 090				

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 19</b>						
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	<u>356°</u> ☛176° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ MONSA 342056S 0561053W	☛356° ☛176° 31	<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				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ ASIVA 335026S 0562035W	☛356° ☛176° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				DURAZNO APP 120.4 MHZ
▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W	☛353° 173° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				
▲ BISOK 325246S 0564041W	<u>353°</u> ☛174° 99	<u>FL 245</u> FL 090  A <u>FL 245</u> C <u>FL 195</u> FL 090				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ MEVIV 311839S 0571546W	☛354° ☛174° 18					
▲ ARAPE 310100S 0572213W	☛354° 174° 47					
▲ M. CASEROS VOR/DME (MCS) 301600S 0573818W				↑		

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 20</b>  ▲ SALTO VOR (STO) 312605.0S 0575903.3W  ▲ ARAPE 310100S 0572213W  ▲ ARTIGAS ARP (SUAG) 302357S 0563039W						
	<u>062°</u> ↻ 243° 40	<u>FL 245</u> FL090	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	<u>062°</u> ↻ 242° 58	A <u>FL 245</u> C <u>FL 195</u> FL 090			↑	

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency		
		Airspace classification		Odd	Even			
1	2	3	4	5		6		
<b>W 23</b>								
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	<u>344°</u> 164° 30	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT	10	↓		CARRASCO APP 119.2 MHZ 120.2 MHZ		
▲ LOMUX 342302S 0561737W	<u>344°</u> 164° 36	<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				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ		
▲ VULRO 335053S 0563637W	<u>344°</u> 165° 48	<u>FL 245</u> 900 M ALT  A <u>FL 245</u> C <u>FL 195</u> 900 M ALT				DURAZNO APP 120.4 MHZ		
▲ GORIO 330747S 0570139W	<u>345°</u> 165° 11	<u>FL 245</u> FL090  A <u>FL 245</u> C <u>FL 195</u> FL 090				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ		
▲ REBIN 325758S 0570718W	<u>345°</u> 165° 51							
▲ SANDU 321204S 0573323W	<u>345°</u> 165° 51							
▲ SALTO VOR (STO) 312605.0S 0575903.3W							↑	

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 25</b>						
▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W	335° 155° 30	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT	10		↓	CARRASCO APP 119.2 MHZ 120.2 MHZ
▲ DRACA 342524S 0562227W	335° 156° 56	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
▲ TESAD 333931S 0570052W	336° 156° 94	FL 245 FL090				
▲ PAYSANDÚ ARP (SUPU) 322147S 0580359W	014° 195° 56	A FL 245 C FL 195 FL 090			↑	
▲ SALTO VOR (STO) 312605.0S 0575903.3W	089° 270° 38				↓	
▲ MEVIV 311839S 0571546W	090° 270° 56					
▲ MASOL 310706S 0561124W	089° 269° 38					
▲ RIVERA ARP (SURV) 305810S 0552824W					↑	

**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 27</b>  ▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W  ▲ RIONE 330330S 0565830W  ▲ REBIN 325758S 0570718W  ▲ PAYSANDÚ ARP (SUPU) 322147S 0580359W						
	$\frac{317^\circ}{137^\circ}$ 30	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT	10		↓	DURAZNO APP 120.4 MHZ
	$\frac{317^\circ}{137^\circ}$ 09	FL 245 FL090  A FL 245 C FL 195 FL 090				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	$\frac{317^\circ}{137^\circ}$ 60				↑	



**ENR 3.1 LOWER ATS NATIONAL ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>W 29</b>  ▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W  ▲ KOSPI 344202S 0563856W  ▲ NEMAS 343503S 0571111W  ▲ COLONIA ARP (SUCA) 342705S 0574601W						
	295° 115° 32	FL 245 900 M ALT  A FL 245 C FL 195 900 M ALT	10		↓	CARRASCO APP 119.2 MHZ 120.2 MHZ
	295° 114° 28	FL 245 900 M ALT  A FL 245 C FL 195 G FL 085 900 M ALT				MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	295° 115° 30	FL 245 900 M ALT  A FL 245 C FL 195 F FL 085 G FL 035 900 M ALT			↑	

**INTENTIONALLY  
LEFT BLANK**

## ENR 3.2 UPPER INTERNATIONAL ATS ROUTES

☛ Nil.

**INTENTIONALLY  
LEFT BLANK**

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UL 324</b> <b>(RNAV 5)</b>  <b>▲ EZEIZA VOR/DME (EZE)</b> 344927S 0583207W  <b>▲ KUKEN</b> 341058S 0581302W  <b>▲ TOGAL</b> 333131S 0575406W  <b>▲ ENSAS</b> 315440S 0570849W  <b>▣ DAYMA</b> 314714S 0570514W  <b>▲ MIGOT</b> 305248S 0564042W  <b>▲ ARTOX</b> 304230S 0563605W  <b>▲ CUARA</b> 302211S 0562659W  <b>▲</b> <b>☉</b> POPKU <b>☉</b> 283320S 0553852W						
	029° 209° 42	FL 450 A FL 245	5	↓	↑	EZEIZA ACC See AIP ARGENTINA
	030° 211° 42	UNL FL 245  Class A	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	031° 212° 104					
	033° 213° 08					
	032° 213° 58					
	033° 213° 11					
	033° 213° 22					
	☉034° ☉218° ☉116					
					↑	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UL 405</b> <b>(RNAV 5)</b>						
<b>▲ CURBELO VOR/DME (LDS)</b> 345129.9S 0550530.2W	264°	<u>UNL</u> FL 245  Class <b>A</b>	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
	40					
<b>△ LUCIO</b> 350318S 0555218W	285°					
	12					
<b>▲ DAGUS</b> 350217S 0560725W	285°					
	38					
<b>▲ UGIMI</b> 345858S 0565302W	277°	<u>FL 450 A</u> FL 245	15	↓		EZEIZA ACC See AIP ARGENTINA
	50					
<b>▲ LA PLATA VOR (PTA)</b> 345833S 0575354W						

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UL 417</b> <b>(RNAV 5)</b>						
<b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W	<u>320°</u> 140° 30	<u>UNL</u> FL 245  Clase <b>A</b>	10		↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
<b>▲ NIMBO</b> 343049S 0562932W	<u>320°</u> 140° 24					
<b>▲ PABOT</b> 341536S 0565134W	<u>320°</u> 140° 30					
<b>▲ PONPA</b> 335625S 0571859W	<u>320°</u> 140° 28					
<b>▲ TILDA</b> 333820S 0574432W	<u>320°</u> 140° 11					
<b>▲ TOGAL</b> 333131S 0575406W	<u>320°</u> 140° 47				↑	
<b>▲ GUALEGUAYCHU</b> VOR/DME (GUA) 330035S 0583651W	<u>314°</u> 134° 48	<u>FL 450 A</u> FL 245	15		↓	EZEIZA ACC See AIP ARGENTINA
<b>▲ ANRAL</b> 323200S 0592208W					↑	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 402</b> <b>(RNAV 5)</b>  ▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W  ▲ VUKAS 342013S 0560637W  ▲ ANRUP 334741S 0561209W  ▲ OGLAP 331204S 0561807W  ▲ ILMUL 320844S 0562832W  ▲ ILSIM 314400S 0563232W  ▲ MIGOT 305248S 0564042W  ▲ MUKIB 304311S 0564213W  ▲ SEKLO 300629S 0564758W  ▲ KIMIK 293204S 0565329W		<u>UNL</u> FL 245  Class <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	<u>002°</u> 183° 30					
	<u>003°</u> 183° 33					
	<u>003°</u> 183° 36					
	<u>003°</u> 184° 64					
	<u>004°</u> 184° 25					
	<u>004°</u> 184° 52					
	<u>004°</u> 184° 10					
	<u>004°</u> 185° 37					
	<u>004°</u> 184° 35					
		<u>UNL</u> FL 245	5	↓		CURITIBA ACC See AIP BRASIL



**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits  Airspace classification	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency	
				Odd	Even		
1	2	3	4	5		6	
<b>UM 418</b> <i>(RNAV 5)</i>  ▲ IMBAK 305601S 0584659W  ▲ RODOV 305004S 0574817W  ▲ SASKU 304754S 0572651W  ▲ MUKIB 304311S 0564213W  ▲ ARTOX 304230S 0563605W  ▲ UBLAM 303935S 0560944W  ▲ SIDUL 303256S 0551034W				↓		EZEIZA ACC See AIP ARGENTINA	
	091° 273° 51	FL 450 A FL 245	5		↑		
	094° 275° 19	UNL FL 245	Class <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU Required
	095° 275° 39						
	095° 275° 05						
	095° 275° 23					↑	
	096° 276° 51		UNL FL 245	5	↓		CURITIBA ACC See AIP BRASIL
						↑	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency	
		Airspace classification		Odd	Even		
1	2	3	4	5		6	
<b>UM 424</b> <b>(RNAV 5)</b>  <b>▲ EZEIZA VOR/DME (EZE)</b> 344927S 0583207W  <b>▲ DORVO</b> 344258S 0573102W  <b>△ TOKAM</b> 344653S 0564256W  <b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W  <b>▲ CURBELO VOR/DME (LDS)</b> 345129.9S 0550530.2W  <b>▲ RAVEL</b> 342802S 0544249W  <b>▲ TOLEP</b> 324341S 0530510W  <b>▲ PELOTAS VOR (PTS)</b> 314309S 0521938W		<u>FL 450 A</u> FL 245	5	↓		EZEIZA ACC See AIP ARGENTINA	
	090°						
	51	<u>UNL</u> FL 245  Clase <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ	
	105°						
	40						
	105°						
	34						
	103°						
	46						
	<u>050°</u> 230° 30				↓		
<u>050°</u> 231° 132					↑		
<u>047°</u> 227° 72	<u>UNL</u> FL 245	5	↓		↑	CURITIBA ACC See AIP BRASIL	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 534</b> <b>(RNAV 5)</b>  ▲ DALAB 322000S 0584015W  ▲ SUGRA 321234S 0581124W  ▲ ENSAS 315440S 0570849W  ▲ LOLIL 315259S 0570303W  ▲ ILSIM 314400S 0563232W  ▲ PORLI 313419S 0560010W  ▲ URURI 311810S 0550726W  ▲ DADUT 305904S 0540900W						
	<u>080°</u> 261° 26	<u>FL 450 A</u> FL 245	5	↓	↑	EZEIZA ACC See AIP ARGENTINA
	<u>082°</u> 262° 56	<u>UNL</u> FL 245  Class <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	<u>082°</u> 262° 05					
	<u>082°</u> 262° 28					
	<u>082°</u> 263° 29					
	<u>083°</u> 263° 48				↑	
	<u>083°</u> 263° 54	<u>UNL</u> FL 245	5	↓		CURITIBA ACC AIP BRASIL
					↑	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 540</b> <b>(RNAV 5)</b>  ▲ CARRASCO VOR/DME (CRR) 344957.8S 0560130.5W  ▲ MOLBI 342050S 0553018W  ▲ AKPOD 322757S 0533341W  ▲ ILTOG 313320S 0523511W						
	052°	<u>UNL</u> FL 245  Class <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	39					
	052°					
	149					
057°	<u>UNL</u> FL 245	5	↓		CURITIBA ACC See AIP BRASIL	
237						
74				↑		

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 654</b> <b>(RNAV 5)</b>  <b>▲ EZEIZA VOR/DME (EZE)</b> 344927S 0583207W  <b>▲ KUKEN</b> 341058S 0581302W  <b>▲ TILDA</b> 333820S 0574432W  <b>▲ PUMIL</b> 323227S 0564820W  <b>▲ ILMUL</b> 320844S 0562832W  <b>▲ PORLI</b> 313419 0560010W  <b>▲ GAMOT</b> 305640S 0552937W  <b>▲ SIDUL</b> 303256S 0551034W	029° 42	<u>FL 450</u> A FL 245	5	↓		EZEIZA ACC See AIP ARGENTINA
	045° 40	<u>UNL</u> FL 245  Class <b>A</b>	5	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	045° 81					
	046° 29					
	047° 42					
	047° 46					
	048° 29	<u>UNL</u> FL 245	5	↓		CURITIBA ACC See AIP BRASIL

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 661</b> <b>(RNAV 5)</b>  <b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W  <b>▲ TOSIB</b> 342106S 0551955W  <b>▲ TOLEP</b> 324341S 0530510W  <b>▲ SIDIT</b> 322435S 0524101W						
	<u>060°</u> 241° 45	<u>UNL</u> FL 245  Class <b>A</b>	5	↓	↑	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	<u>061°</u> 242° 149					
	<u>061°</u> 242° 28	<u>UNL</u> FL 245	5	↓	↑	CURITIBA ACC See AIP BRASIL

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UM 792</b> <b>(RNAV 5)</b>  <b>▲ DAMIR</b> 314538S 0534523W  <b>▲ VUGNI</b> 315744S 0535501W  <b>▣ MELO VOR (MLO)</b> 322032.8S 0541319.1W  <b>△ AROMO</b> 333002S 0550244W  <b>▲ TELAK</b> 342034S 0553938W  <b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W  <b>△ DAGUS</b> 350217S 0560725W  <b>▲ DARKA</b> 351758S 0561502W  <b>▲ ROPIS</b> 364430S 0565730W						
	<u>228°</u> 048° 15	<u>UNL</u> FL 255	5		↓	CURITIBA ACC See AIP BRASIL
	<u>228°</u> 048° 28	<u>UNL</u> FL 245	5		↑	
	224°	Class <b>A</b>			↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required
	81				↓	
	223°					
	59					
	222°					
	34					
	<u>212°</u> 032° 13				↓	
	<u>212°</u> 032° 17				↑	
	<u>208°</u> 028° 93	<u>FL 450 A</u> FL 245	5		↓	EZEIZA ACC See AIP ARGENTINA
				↑		

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**


Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency	
		Airspace classification		Odd	Even		
1	2	3	4	5		6	
<b>UN 741 (RNAV 5)</b>  ▲ DADUT 305904S 0540900W  ▲ ISALA 314034S 0542647W  ▲ OGLAP 331204S 0561807W  ▲ DURAZNO VOR/DME (DUR) 332122.5S 0562945.8W  ▲ PONPA 335625S 0571859W  ▲ PAPIX 342458S 0580002W  ▲ EZEIZA VOR/DME (EZE) 344927S 0583207W							
	214° 44	<u>UNL</u> FL 255	5		↓	CURITIBA ACC See AIP BRASIL	
	239° 131	<u>UNL</u> FL 245  Class <b>A</b>	5		↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ  GNSS or IRU required	
	237° 14						
	240° 54						
	240° 44						
	234° 36		<u>FL 450 A</u> FL 245	5		↓	EZEIZA ACC See AIP ARGENTINA



**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP/RNAV) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>UN 857</b> <b>(RNAV 5)</b>						
▲ LA PLATA VOR (PTA) 345833S 0575354W	056° 24	<u>FL 450 A</u> FL 245	5		↓	EZEIZA ACC See AIP ARGENTINA
▲ DORVO 344258S 0573102W	059° 43	<u>UNL</u> FL 245	5		↓	MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ
△ PABOT 341536S 0565134W	060° 35	Class <b>A</b>				GNSS or IRU required
▲ LOMID 335308S 0561945W	060° 08					
▲ ANRUP 334741S 0561209W	060° 132					
☒ MELO VOR (MLO) 322032.8S 0541319.1W	<u>062°</u> 242° 26					
▲ OGRUN 320343S 0535034W	<u>063°</u> 243° 75	<u>UNL</u> FL 245	5		↓	CURITIBA ACC See AIP BRASIL
▲ DEVOT 311344S 0524426W					↑	

**ENR 3.3 AREA NAVIGATION ROUTES (RNAV)**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency		
		Airspace classification		Odd	Even			
1	2	3	4	5		6		
<b>UP 526</b>  (RNAV 5)  <b>▲ PULEN</b> 291418S 0573654W  <b>▲ M. CASEROS VOR/DME (MCS)</b> 301600S 0573818W  <b>▲ SASKU</b> 304754S 0572651W  <b>▣ DAYMA</b> 314714S 0570514W  <b>▲ LOLIL</b> 315259S 0570303W  <b>▲ PUMIL</b> 323227S 0564820W  <b>▲ DURAZNO VOR/DME (DUR)</b> 332122.5S 0562945.8W  <b>▲ LOMID</b> 335308S 0561945W  <b>▲ MONSA</b> 342056S 0561053W  <b>▲ CARRASCO VOR/DME (CRR)</b> 344957.8S 0560130.5W								
		191° 011° 61	FL 450 A FL 245	15	↑	↓	RESISTENCIA ACC See AIP ARGENTINA	
		174° 354° 33	<u>UNL</u> FL 245  Clase <b>A</b>	10	↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ	
		174° 354° 62						
		173° 353° 06						
		174° 353° 41						
		173° 353° 51						
		176° 356° 33						
		176° 356° 29						
		176° 355° 30						
						↑		

## ENR 3.3 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 3.3-15 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, as HF as secondary means of communication.

## **1.3 REQUIRED NAVIGATION PERFORMANCE (RNP 10) PROCEDURES FOR AIRCRAFT 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.

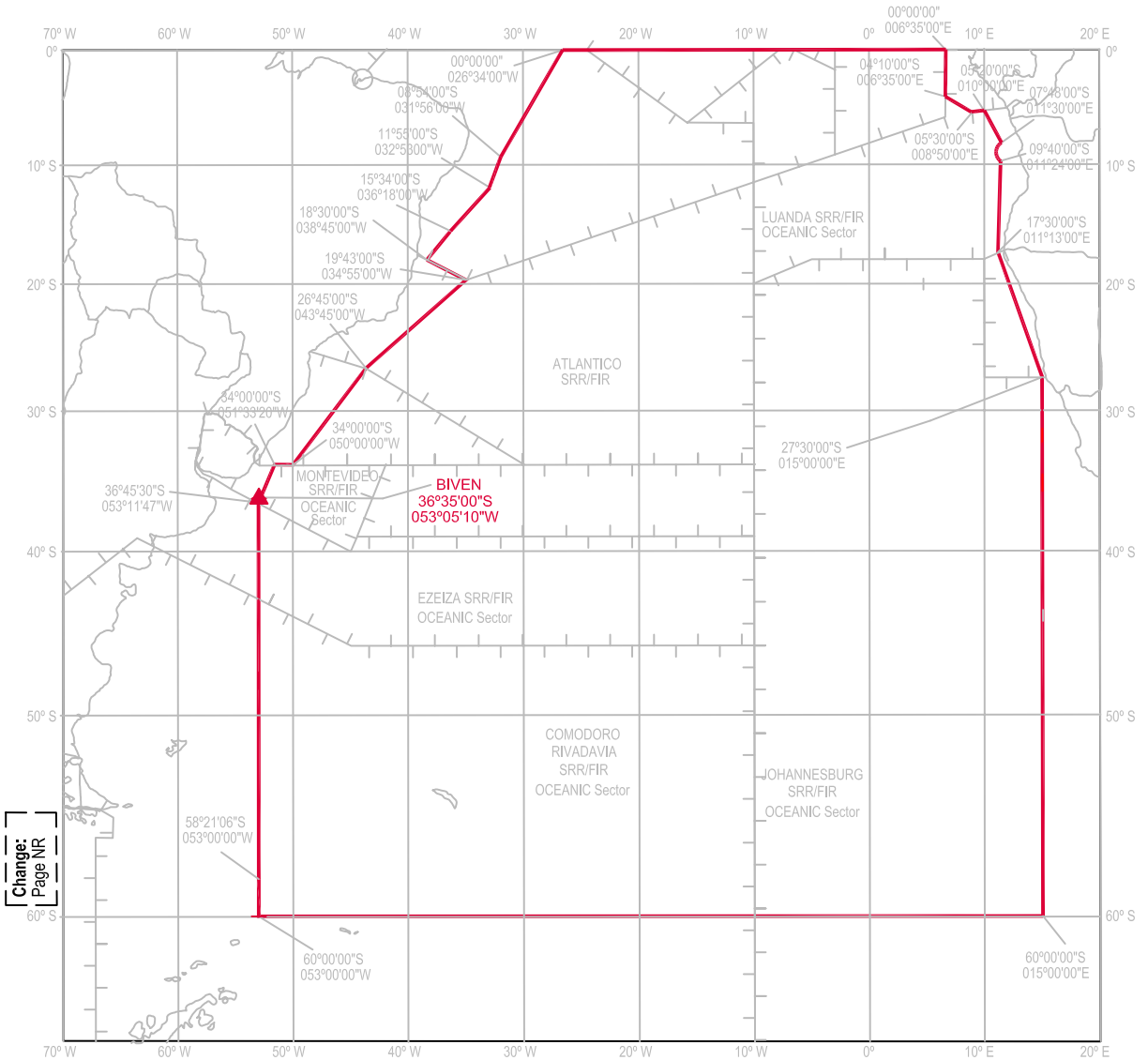
1.7.2 Position report shall be required for ATC at entry/exit gate:

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



**ENR 3.4 HELICOPTER ROUTES**

NIL.

**INTENTIONALLY  
LEFT BLANK**



## ENR 3.5 OTHER ROUTES

### 3.5.1 VFR Corridors

3.5.1.1 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 who's FPL have not been approved by Montevideo ACC, shall not be authorized to enter.

3.5.1.2 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.

3.5.1.3 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.

3.5.1.4 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.

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

3.5.1.6 Maximum speed in VFR corridors: 220 KT.

3.5.1.7 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.

3.5.1.8 Traffic on corridor:

**VFR 2** – maximum altitude 2000 FT. Segment CURBELO VOR/DME (LDS) – SAN RAMÓN only one direction. 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 - CURBELO VOR/DME (LDS) altitude FL 035, maximum speed 180 KT; segment CURBELO VOR/DME (LDS) - 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.

- ☛ 3.5.1.9 Traffic could be directed out of the visual corridors and continue ascending, whenever ATC and traffic allows ensuring a better management.
- ☛ 3.5.1.10 SURBO corridor shall be used only for entry or exit national territory flights and with origin or destination Colonia Intl Airport (SUCA).
- ☛ 3.5.1.11 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).
- ☛ 3.5.1.12 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.

### 3.5.2 ADDITIONAL INFORMATION

3.5.2.1 Prohibited, restricted and danger areas see ENR 5.1 from AIP URUGUAY.

3.5.2.2 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 3.5-3 to 3.5-6 from AIP URUGUAY)

**ENR 3.5 VFR ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency	
		Airspace classification		Odd	Even		
1	2	3	4	5		6	
<b>VFR 1</b>							
▲ ISLA MARTÍN GARCÍA 341056S 0581450W	<u>106°</u> 286° 51	<u>FL 055</u> 750 M		↓		MONTEVIDEO ACC 128.5 MHZ 126.3 MHZ	
△ NUEVA HELVECIA 341710S 0571342W	☛ <u>107°</u> ☛ 287° 26	<u>FL 075</u> 750 M			Class <b>G</b>		Maximum speed: 220 KT
▲ SAN JOSÉ 342015S 0564237W	☛ <u>096°</u> 276° 38						CARRASCO APP 119.2 MHZ 120.2 MHZ
△ SAN RAMÓN 341723S 0555718W	☛ <u>110°</u> ☛ 290° 36						From SAN JOSÉ could proceed direct to SUMU or SUAA
▲ MINAS 342248S 0551411W					↑		

**ENR 3.5 VFR ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
				1	2	
<b>VFR 2</b>						
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W	☛264° 09	ALT 2000 FT  Class <b>C</b>			↓	CARRASCO APP 119.2 MHZ 120.2 MHZ  Within Capitán CURBELO CTR 118.3 MHZ
▲ PUNTA COLORADA 345402S 0551530W	325° 09					
▲ SOLIS GRANDE 344800S 0552300W	☛352° 13	Class <b>G</b>				
▲ SOLIS DE MATAOJO 343600S 0552800W	☛335° 08					
▲ MONTES 342934S 0553341W	☛313° 23					
△ SAN RAMÓN 341723S 0555718W						

**ENR 3.5 VFR ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits  Airspace classification	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
				Odd	Even	
1	2	3	4	5		6
<b>VFR 3</b>						
▲ MINAS 342248S 0551411W	<u>177°</u> ↻ 357° 30	<u>FL 035</u> 600 M  Class <b>C</b> (Within Capitán CURBELO CTR)  Class <b>G</b> (Outside Capitán CURBELO CTR)		↓		CARRASCO APP 119.2 MHZ 120.2 MHZ  Maximum speed: 180 KT  Within Capitán CURBELO CTR 118.3 MHZ
▲ CURBELO VOR/DME (LDS) 345129.9S 0550530.2W				↑		

**ENR 3.5 VFR ROUTES**

Route designator (RNP type) Name of significant points Coordinates	Heading MAG RDL VOR DIST NM (COP)	Upper limits Lower limits	Lateral Limits  NM	Direction of cruising levels		Remarks Control facility Frequency
		Airspace classification		Odd	Even	
1	2	3	4	5		6
<b>VFR 4</b>						
▲ MINAS 342248S 0551411W	☛ <u>141°</u> ☛ <u>321°</u> 23	ALT 2000 FT  Class <b>G</b>		↓		CARRASCO APP 119.2 MHZ 120.2 MHZ  Within Capitán CURBELO CTR 118.3 MHZ
▲ PUENTE 343735S 0545222W	☛ <u>161°</u> ☛ <u>341°</u> 13					
▲ LAGUNA 344845S 0544416W	<u>247°</u> 067° 11					
▲ PUNTA DEL ESTE ARP (SUPE) 345447S 0545509W						

**ENR 3.6 EN-ROUTE HOLDING**

NIL.

**INTENTIONALLY  
LEFT BLANK**