

**ENR 3.2 AREA NAVIGATION (RNAV) ROUTES**

Route designator (RNP/RNAV) Name of signification points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper limit Lower limit  Airspace classification	Direction of cruising levels		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>UL 102 (RNAV 5)</b>  △ CHE NDB 36°36'05"N 002°11'36"E  △ ESNAM 36°06'58"N 001°30'00"E  △ ARIAM 33°53'22"N 001°37'37"W						
	<u>229</u> 049	44.4	<u>FL 455</u> FL 310 Class A		↓	MAGHREB CONTROL ALGIERS 127.3Mhz
	<u>230</u> 050	203.8	<u>FL 455</u> FL 310 Class D		↑	MAGHREB CONTROL ALGIERS 125.7Mhz, 120.45 Mhz (a)
						For continuation, see AIP MOROCCO
<b>UM 002 (RNAV5)</b>  △ CIRTA 39°00'00"N 007°02'00"E  △ CSO VORDME 36°17'36"N 006°36'30"E  △ AMIRA 34°48'00"N 006°59'02"E  △ RIMEL 31°45'33"N 007°43'40"E  △ BARKA 30°03'40"N 008°07'54"E  △ NAGAH 28°05'38"N 008°35'27"E  △ TILMA 26°59'39"N 008°50'36"E  △ TARAT 26°00'00"N 009°04'10"E  △ DJA VORDME 24°17'16"N 009°27'12"E						For continuation, see AIP FRANCE.
	<u>187</u> 007	163.5	<u>FL 455</u> FL 310 class D		↓	MAGHREB CONTROL ALGIERS 125.4Mhz et 131.3 Mhz
	<u>168</u> 348	91.3	<u>FL 455</u> FL 310 class D			
	<u>168</u> 348	185.9	<u>FL 455</u> FL 310 class E			MAGHREB CONTROL ALGIERS 124.1Mhz et 131.3Mhz
	<u>168</u> 348	103.8	<u>FL 455</u> FL 310 class E			
	<u>168</u> 348	120.2	<u>FL 455</u> FL 310 class E			
	<u>168</u> 348	67.2	<u>FL 455</u> FL 310 class E			
	<u>168</u> 348	60.7	<u>FL 455</u> FL 310 class E			MAGHREB CONTROL ALGIERS 123.8Mhz, 124.1Mhz
	<u>168</u> 348	104.5	<u>FL 455</u> FL 310 class E		↑	
<b>UM 114 (RNAV5)</b>  △ GHA VORDME 32°23'36"N 003°46'40"E  △ NIFEL 30°01'54"N 003°46'40"E  △ SIHAR 28°30'00"N 003°30'44"E  △ RAMAD 21°43'52"N 003°34'10"E  △ ZAWAT 19°00'09"N 003°32'51"E						
	<u>180</u> 360	141.4	<u>FL 455</u> FL 310 Class E		↓	MAGHREB CONTROL ALGIERS 131.3Mhz
	<u>189</u> 009	92.7	<u>FL 455</u> FL 310 class E			
	<u>180</u> 360	404.9	<u>FL 455</u> FL 310 class E			MAGHREB CONTROL ALGIERS 123.8Mhz
	<u>180</u> 360	163.1	<u>FL 455</u> FL 310 class E		↑	
						For continuation, see AIP ASECNA.

Route designator (RNP/RNAV) Name of signification points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper limit Lower limit  Airspace classification	Direction of cruising levels		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>UM 134 (RNAV 5)</b>  △ LUXUR 38°12'48"N 003°25'19"E  △ PAGRE 37°42'36"N 005°00'00"E  △ ANB VORDME 36°49'57"N 007°48'52"E						For continuation, see AIP SPAIN.
	<u>112</u> 292	80.8	<u>FL 455</u> FL 305 class A	↓		MAGHREB CONTROL ALGIERS 127.3Mhz ,132.45 Mhz, 124.9Mhz
	<u>112</u> 292	144.7	<u>FL 455</u> FL 305 class D		↑	MAGHREB CONTROL ALGIERS125.4Mhz
<b>UM 508 (RNAV5)</b>  △ KAMER 39°00'00"N 006°05'18"E  △ JIL VORDME 36°47'51"N 005°52'32"E  △ TAJEN 36°23'00"N 005°51'09"E  △ BIS VORDME 34°46'33"N 005°45'49"E  △ ROANE 33°56'13"N 005°55'13"E  △ TGU VORDME 33°03'26"N 006°05'20"E  △ BOD VORDME 28°07'59"N 006°50'21"E						For continuation, see AIP France.
	<u>184</u> 004	132.4	<u>FL 455</u> FL 310 Class D	↓		MAGHREB CONTROL ALGIERS125.4Mhz
	<u>183</u> 003	24.8	<u>FL 455</u> FL 310 Class D			
	<u>183</u> 003	96.4	<u>FL 455</u> FL 310 Class D			
	<u>171</u> 351	50.9	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS 124.1Mhz et 131.3Mhz
	<u>171</u> 351	53.4	<u>FL 455</u> FL 310 Class E			
	<u>172</u> 352	297.3	<u>FL 455</u> FL 310 Class E		↑	
<b>UM 608 (RNAV5)</b>  △ BAYVORDME 33°42'35"N 001°04'45"E  △ MOGAR 31°52'58"N 001°11'21"E  △ TAMUZ 31°00'00"N 001°14'30"E  △ TISIR 30°09'37"N 001°17'31"E  △ ABDIT 29°46'04"N 001°18'56"E  △ BASID 27°28'09"N 001°26'51"E  △ ROFER 23°28'26"N 001°40'29"E  △ TERAS 20°44'19"N 001°49'28"E						MAGHREB CONTROL ALGIERS 125.7Mhz, 120.45 Mhz (a)
	<u>177</u> 357	109.5	<u>FL 455</u> FL 310 Class D	↓		
	<u>177</u> 357	52.9	<u>FL 455</u> FL 310 Class D			
	<u>177</u> 357	50.3	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS 128.1Mhz
	<u>177</u> 357	23.5	<u>FL 455</u> FL 310 Class E			
	<u>177</u> 357	137.7	<u>FL 455</u> FL 310 Class E			
	<u>177</u> 357	239.3	<u>FL 455</u> FL 310 Class E			
	<u>177</u> 357	163.8	<u>FL 455</u> FL 310 Class E	↑		
						For continuation, see AIP ASECNA

Route designator (RNP/RNAV) Name of significance points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper limit Lower limit  Airspace classification	Direction of cruising levels		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>UM 614 (RNAV5)</b> Δ TIO VORDME 29°13'34"N 000°15'29"E Δ IPOBA 22°28'00"N 001°03'00"W	<u>190</u> 010	410.5	<u>FL 455</u> FL 310 Class E	↑	↓	MAGHREB CONTROL ALGIERS 128.1Mhz  For continuation, see AIP ASECNA.
	<b>UM 629 (RNAV5)</b> Δ BAGBO 30°19'02"N 005°39'11"W Δ MERAT 28°01'29"N 004°29'42"W Δ CHAMI 27°14'01"N 004°10'12"W Δ SABRO 26°07'06"N 003°42'57"W Δ USRUT 23°40'00"N 002°44'00"W	<u>156</u> 336	154	<u>FL 455</u> FL 310 Class E	↓	↑
<b>UM 725 (RNAV 5)</b> Δ TIO VORDME 29°13'34"N 000°15'29"E Δ SABRO 26°07'06"N 003°42'57"W Δ SBITA 25°05'33"N 005°00'04"W	<u>228</u> 048	281.7	<u>FL 455</u> FL 310 Class E	↓	↑	MAGHREB CONTROL ALGIERS 128.1Mhz  For continuation, see AIP ASECNA.
	<u>228</u> 048	92.9	<u>FL 455</u> FL 310 Class E	↑	↓	For continuation, see AIP ASECNA.
<b>UM 735 (RNAV 5)</b> Δ TIO VORDME 29°13'34"N 000°15'29"E Δ USRUT 23°40'00"N 002°44'00"W	<u>205</u> 025	369.5	<u>FL 455</u> FL 310 Class E	↑	↓	MAGHREB CONTROL ALGIERS 128.1Mhz  For continuation, see AIP ASECNA.
	<b>UM 744 (RNAV5)</b> Δ CABRO 36°15'08"N 001°29'42"W Δ MOS VORDME 35°53'55.13"N 000°08'10.67"W	<u>105</u> 285	82.1	<u>FL 455</u> FL 245 Class D	↓	↑

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				Odd	Even	
1	2	3	4	5		6
<b>UM 986 (RNAV-5)</b>						For continuation, see AIP FRANCE
△ REQIN 39°00'00"N 006°15'00"E	<u>224</u> 044	84.5	<u>FL 455</u> FL 310 Class D	↓		MAGHREB CONTROL ALGIERS 125.4Mhz, 133.8Mhz
△ BOURI 37°59'21"N 005°00'00"E	<u>224</u> 044	76.1	<u>FL 455</u> FL 310 Classe A	↑		MAGHREB CONTROL ALGIERS 127.3Mhz, 132.45Mhz, 124.9Mhz
△ LIMON 37°04'16"N 003°53'58"E	<u>224</u> 044	22.9	<u>FL 455</u> FL 310 Class A			
△ ZEM VORDME 36°47'42"N 003°34'15"E	<u>250</u> 070	18.2	<u>FL 455</u> FL 310 Class A	↓		
△ ALR VORDME 36°41'28"N 003°12'56"E	<u>226</u> 046	88.0	<u>FL 455</u> FL 310 Class A	↑		MAGHREB CONTROL ALGIERS 125.7Mhz, 120.45 Mhz (a)
△ CHIGA 35°40'00"N 001°54'58"E	<u>226</u> 046	27.4	<u>FL 455</u> FL 310 Class E			
△ TRB VORDME 35°20'52"N 001°30'54"E	<u>193</u> 013	100.5	<u>FL 455</u> FL 310 Class D	↑		
△ BAY VORDME 33°42'35"N 001°04'45"E	<u>218</u> 038	137.8	<u>FL 455</u> FL 310 Class D			
△ AGREB 31°52'58"N 000°34'42"W	<u>218</u> 038	66.4	<u>FL 455</u> FL 310 Class D	↑		
△ TAGIG 31°00'00"N 001°21'47"W	<u>218</u> 038	73.7	<u>FL 455</u> FL 310 Class E			
△ BBS VORDME 30°01'26"N 002°13'50"W	<u>225</u> 045	65.5	<u>FL 455</u> FL 310 Class E	↑		MAGHREB CONTROL ALGIERS 128.1Mhz
△ TABAL 29°15'00"N 003°06'59"W	<u>225</u> 045	103.3	<u>FL 455</u> FL 310 Class E			
△ MERAT 28°01'29"N 004°29'42"W	<u>225</u> 045	161.1	<u>FL 455</u> FL 310 Class E	↑		
△ BRENA 26°07'00"N 006°37'00"W						
						For continuation, see AIP ASECNA.

Route designator (RNP/RNAV) Name of signification points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper limit Lower limit  Airspace classification	Direction of cruising levels		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>UM 989 (RNAV5)</b>						For continuation, see AIP FRANCE
Δ OTARO 39°00'00"N 004°41'06"E	<u>202</u> 022	142.3	<u>FL 455</u> FL 310 Class A	↓	↑	MAGHREB CONTROL ALGIERS 127.3, 124.9, 132.45Mhz
Δ ZEM VORDME 36°47'42"N 003°34'15"E	<u>161</u> 341	71.7	<u>FL 455</u> FL 310 Class A			
Δ CHLAL 35°40'00"N 004°03'49"E	<u>161</u> 341	21.3	<u>FL 455</u> FL 310 Class E	↓		MAGHREB CONTROL ALGIERS131.3Mhz
Δ BSA VORDME 35°19'56"N 004°12'30"E	<u>187</u> 007	74.5	<u>FL 455</u> FL 310 Class E			
Δ KAHIL 34°05'53"N 004°01'33"E	<u>187</u> 007	64	<u>FL 455</u> FL 310 Class E			
Δ BERIA 33°01'54"N 003°52'12"E	<u>187</u> 007	38.5	<u>FL 455</u> FL 310 Class E			
Δ GHA VORDME 32°23'36"N 003°46'40"E	<u>203</u> 023	119.5	<u>FL 455</u> FL 310 Class E			
Δ MNA VORDME 30°33'31"N 002°51'42"E	<u>185</u> 005	123.8	<u>FL 455</u> FL 310 Class E			
Δ KSOUR 28°30'00"N 002°38'13"E	<u>185</u> 005	75.3	<u>FL 455</u> FL 310 Class E			
Δ NSL VORDME 27°14'48"N 002°30'09"E	<u>191</u> 011	230.1	<u>FL 455</u> FL 310 Class E			
Δ ROFER 23°28'26"N 001°40'29"E	<u>191</u> 011	154.5	<u>FL 455</u> FL 310 Class E			
Δ MOKAT 20°56'00"N 001°10'00"E						
<b>UM 998 (RNAV5)</b>						For continuation, see AIP France
Δ KAMER 39°00'00"N 006°05'18"E	<u>171</u> 351	164.1	<u>FL 455</u> FL 310 Class D	↓		MAGHREB CONTROL ALGIERS125.4Mhz
Δ CSO VORDME 36°17'36"N 006°36'29"E	<u>179</u> 359	89.5	<u>FL 455</u> FL 310 Class D			
Δ TOLGA 34°48'00"N 006°39'08"E	<u>179</u> 359	399.3	<u>FL 455</u> FL 310 Class E			
Δ BOD VORDME 28°07'59"N 006°50'21"E	<u>160</u> 340	135.8	<u>FL 455</u> FL 310 Class E	↑		MAGHREB CONTROL ALGIERS124.1Mhz et 131.3Mhz
Δ TIDOU 26°00'00"N 007°42'28"E	<u>160</u> 340	258.4	<u>FL 455</u> FL 310 Class E			
Δ TOBUK 21°56'04"N 009°17'58"E						For continuation, see AIP ASECNA.

Route designator (RNP/RNAV) Name of signification points Coordinates	Waypoint IDENT of VOR/DME BRG & DIST ELEV DME Antenna	Geodesic DIST NM	Upper limit Lower limit  Airspace classification	Direction of cruising levels		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>UM 999 (RNAV5)</b>						For continuation, see AIP MOROCCO
△ ARIAM Point E/S RVSM 33°53'22"N 001°37'37"W	<u>129</u> 309	186.2	<u>FL 455</u> FL 310 Class D	↓		MAGHREB CONTROL ALGIERS 125.7Mhz, 120.45 Mhz (a)
△ MOGAR 31°52'58"N 001°11'21"E	<u>139</u> 319	24.1	<u>FL 455</u> FL 310 Class D			
△ MEZAB 31°34'49"N 001°30'00"E	<u>131</u> 311	93.1	<u>FL 455</u> FL 310 Class E			
△ MNA VORDME 30°33'31"N 002°51'42"E	<u>124</u> 304	57.1	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS 131.3Mhz
△ NIFEL 30°01'54"N 003°46'40"E	<u>127</u> 307	31.6	<u>FL 455</u> FL 310 Class E			
△ ATCHA 29°42'44"N 004°15'37"E	<u>125</u> 305	47.2	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS 124.1Mhz
△ GAFLA 29°15'43"N 005°00'00"E	<u>125</u> 305	118.2	<u>FL 455</u> FL 310 Class E			
△ BODVORDME 28°07'59"N 006°50'21"E	<u>092</u> 272	93.0	<u>FL 455</u> FL 310 Class E			
△ NAGAH 28°05'38"N 008°35'27"E	<u>092</u> 272	56.8	<u>FL 455</u> FL 310 Class E		↑	
△ IMNVORDME 28°04'00"N 009°39'39"E						

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				Odd	Even	
1	2	3	4	5		6
<b>UN 854 (RNAV-5)</b>						For continuation, see AIP FRANCE.
Δ SALMA 39°00'00"N 006°43'00"E	<u>182</u> 002	162.3	<u>FL 455</u> FL 310 Class D	↓	↑	MAGHREB CONTROL ALGIERS 125.4Mhz, 131.3Mhz et 133.8Mhz
Δ CSO VORDME 36°17'36"N 006°36'29"E	<u>205</u> 025	99.9	<u>FL 455</u> FL 310 Class D		↓	
Δ BIS VORDME 34°46'33"N 005°45'49"E	<u>215</u> 035	66.1	<u>FL 455</u> FL 310 Class			ESPACE RVSM MAGHREB CONTROL ALGIERS124.1Mhz et 131.3Mhz
Δ DAYAT 33°52'18"N 005°00'00"E	<u>215</u> 035	54.0	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS131.3Mhz
Δ CITER 33°07'39"N 004°23'29"E	<u>215</u> 035	53.8	<u>FL 455</u> FL 310 Class E			
Δ GHA VORDME 32°23'36"N 003°46'40"E	<u>224</u> 044	95.7	<u>FL 455</u> FL 310 Class E			
Δ ABLOD 31°14'22"N 002°28'54"E	<u>224</u> 044	73.3	<u>FL 455</u> FL 310 Class E			
Δ MOUNA 30°21'20"N 001°30'00"E	<u>224</u> 044	93.7	<u>FL 455</u> FL 310 Class E			MAGHREB CONTROL ALGIERS128.1Mhz
Δ TIO VORDME 29°13'34"N 000°15'29"E	<u>224</u> 064	263.2	<u>FL 455</u> FL 310 Class E			
Δ CHAMI 27°14'01"N 004°10'12"W	<u>224</u> 044	147.5	<u>FL 455</u> FL 310 Class E	↑		
Δ BRENA 26°07'00"N 006°37'00"W						For continuation, see AIP ASECNA.
<b>UN 855 (RNAV5)</b>						For continuation, see AIP SPAIN
Δ BUYAH 38°06'47"N 003°09'05"E	<u>178</u> 358	85.2	<u>FL 455</u> FL 310 Class A	↓		MAGHREB CONTROL ALGIERS127.3Mhz, 132.45Mhz et 124.9Mhz
Δ ALR VORDME 36°41'28"N 003°12'56"E					↑	
<b>UN 856 (RNAV5)</b>						
Δ ALR VORDME 36°41'28"N 003°12'56"E	<u>327</u> 147	79.1	<u>FL 455</u> FL 310 Class A		↓	MAGHREB CONTROL ALGIERS127.3Mhz, 132.45Mhz et 124.9Mhz
Δ SADAF 37°48'13"N 002°19'44"E				↑		For continuation, see AIP SPAIN