

ENR 3 ATS ROUTES**ENR 3.1 LISBOA AND SANTA MARIA FIRS - LOWER ATS ROUTES****3.1.1 LISBOA FIR**

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	{COP}	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
A5		(*) Route availability: H24 (**) For continuation, see AIP Spain							
▲ ORTOP		36 01 36N 007 23 00W							
	337 / 157	65.8NM		FL195 / FL 095	3000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ FARO DVOR/DME (VFA)		37 00 49N 007 58 30W							
	329 / 149	35.0NM		FL 195 / FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ ODEMI		37 29 51N 008 23 02W							
	329 / 150	41.8NM		FL 195 / FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ TROIA		38 04 24N 008 52 45W							
	330 / 148	25.6NM		FL 195 / FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
▲ ESPICHEL DVOR/DME (ESP)		38 25 27N 009 11 08W							
	026 / 207	81.3NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
▲ FATIMA DVOR/DME (FTM)		39 39 56N 008 29 34W							
	358 / 178	22.0NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ XAMAX		40 01 52N 008 32 10W							
	358 / 178	39.9NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ MANIK		40 41 31N 008 36 58W							
	358 / 178	35.1NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
▲ PORTO DVOR/DME (PRT)		41 16 23N 008 41 16W							
	010 / 190	35.1NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
△ RELVA		41 51 10N 008 35 51W							
	010 / 190	13.0NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ TURON		42 04 05N 008 33 48W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
A43		(*) Route Availability: H24 (**) For continuation see AIP Spain							
▲ ADORO		41 28 59N 006 16 48W							
	267 / 086	54.0NM		FL 195 FL 095	7000 FT ALT	10NM	Odd	Even	(*) (**) {C}
△ CANAR		41 23 09N 007 28 11W							
	266 / 086	14.0NM		FL 195 FL 095	7000 FT ALT	10NM	Odd	Even	(*) {C}
△ BELDU		41 21 31N 007 46 38W							
	266 / 086	06.5NM		FL 195 FL 095	7000 FT ALT	10NM	Odd	Even	(*) {C}
△ IBERO		41 20 44N 007 55 11W							
	266 / 086	34.9NM		FL 195 FL 095	7000 FT ALT	10NM	Odd	Even	(*) {C}
▲ PORTO DVOR/DME (PRT)		41 16 23N 008 41 16W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
B18		(*)Route Availability: H24 (**)For continuation see AIP Spain							
▲ BIMBO		31 25 17N 016 01 58W							
	356 /	62.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even		(*) (**) {C}
△ KEKOS		32 26 57N 016 13 38W							
	356 /	39.0NM		FL 195 FL 095	3000 FT ALT	10NM	Even		(*) {C}
▲ PORTO SANTO DVOR/DME (SNT)		33 05 25N 016 21 02W							
	051 / 231	40.0NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ RAKUN		33 33 25N 015 46 53W							
	051 / 231	60.0NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ RULET		34 15 06N 014 54 56W							
	052 / 231	158.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ NARTA		36 03 23N 012 33 29W							
	051 / 232	175.7NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ GANSU		38 00 00N 009 49 03W							
	052 / 233	39.2NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
▲ ESPICHEL DVOR/DME (ESP)		38 25 27N 009 11 08W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
B47 (*) H24 (**) CDR 1 ALTN RTE - (NVS / ZMR) ADORO / CANAR / PRT / DIRMA (***) For continuation, see AIP Spain									
▲ RIVRO 40 37 22N 006 43 22W									
	279 /099	53.3NM		FL 195 FL 105	9000 FT ALT	10NM	Odd	Even	(*) (**) (***) {C}
▲ VISEU DVOR/DME (VIS) 40 43 24N 007 53 09W									
	279 /098	73.9NM		FL 195 FL 105	9000 FT ALT	10NM	Odd	Even	(*) (**) {C}
▲ DIRMA 40 51 06N 009 30 03W									

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
B60		(*) Route Availability: H24 (**) For continuation, see AIP Spain							
▲ LISBOA DVOR/DME (LIS)		38 53 16N 009 09 46W							
	076 /	59.9NM		FL 195 FL 095	6000 FT ALT	10NM	Even		(*) {C}
△ OLGAR		39 11 00N 007 56 11W							
	076 /	30.8NM		FL 195 FL 095	6000 FT ALT	10NM	Even		(*) (**) {C}
▲ PORTA		39 19 48N 007 18 09W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates								Remarks
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
G7 (*) Route Availability: H24 (**) For continuation, see AIP Spain									
▲ ESPICHEL DVOR/DME (ESP)		38 25 27N 009 11 08W							
	/ 245	30.0NM		FL 195 FL 095	7000 FT ALT	10NM		Odd	(*) {C}
△ ATECA		38 39 30N 008 37 21W							
	/ 245	37.4NM		FL 195 FL 095	7000 FT ALT	10NM		Odd	(*) {C}
△ TAGUX		38 56 44N 007 54 51W							
	/ 246	21.1NM		FL 195 FL 095	7000 FT ALT	10NM		Odd	(*) {C}
△ BIRBA		39 06 20N 007 30 43W							
	/ 246	15.1NM		FL 195 FL 095	7000 FT ALT	10NM		Odd	(*) (**) {C}
▲ ELVAR		39 13 10N 007 13 24W							

Route Designator RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks	
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
G41	Route Availability (*) H24 ALTN RTE - on ATC instructions (MAX EXT D 2NM)								
▲ FATIMA DVOR/DME (FTM)	39 39 56N 008 29 34W								
	026 / 207	69.4NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
▲ VISEU DVOR/DME (VIS)	40 43 24N 007 53 09W								
	028 / 208	44.0NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ CANAR	41 23 09N 007 28 11W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
G52		(*)Route Availability: H24 (**) For continuation, see AIP Spain							
▲ BEXAL		35 58 00N 011 26 54W							
	039 /220	151.1NM		FL195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ LIGRA		38 00 00N 009 35 27W							
	040 /220	31.9NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
▲ ESPICHEL DVOR/DME (ESP)		38 25 27N 009 11 08W							
	043 /223	58.1NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ MAGUM		39 10 03N 008 23 33W							
	046 /226	32.6NM		FL 195 FL 095	9000 FT ALT	10NM	Even	Odd	(*) {C}
▲ NISA DVORTAC (NSA)		39 33 53N 007 54 53W							
	043 / 223	57.3NM		FL 195 FL 095	9000 FT ALT	10NM	Even	Odd	(*) {C}
△ PINOX		40 17 26N 007 06 33W							
	044 / 224	26.7NM		FL 195 FL 095	9000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ RIVRO		40 37 22N 006 43 22W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
G414		(*) Route Availability: H24 (**) For continuation, see AIP Spain							
▲ DIRMA		40 51 06N 009 30 03W							
	/ 239	44.7NM		FL 195 FL 095	3000 FT ALT	10NM		Odd	(*) {C}
▲ PORTO DVOR/DME (PRT)		41 16 23N 008 41 16W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
	/ 237	35.0NM		FL 195 FL 105	7000 FT ALT	10NM		Odd	(*) {C}
△ MAPOR 41 36 51N 008 03 30W									
	/ 238	25.0NM		FL 195 FL 105	7000 FT ALT	10NM		Odd	(*) (**) {C}
▲ MALIS 41 51 20N 007 36 17W									

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates					Remarks		
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
G851		(*) Route Availability: H24 (**) For continuation, see AIP Spain							
▲ ORTIS		31 24 25N 016 33 25W							
	/ 191	49.4NM		FL 195 FL 095	3000 FT ALT	10NM		Odd	(*) (**) {C}
△ TABOM		32 13 32N 016 27 27W							
	/ 191	52.2NM		FL 195 FL 095	3000 FT ALT	10NM		Odd	(*) {C}
▲ PORTO SANTO DVOR/DME (SNT)		33 05 25N 016 21 02W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
R1		(*) Route Availability: H24 (**) For continuation, see AIP Spain							
▲ NELSO		31 40 59N 017 27 25W							
	039 / 219	34.4NM		FL 195 FL 095	9000 FT ALT	10NM	Even	Odd	(*) {C}

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates			Remarks				
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
△ MADAT		32 09 43N 017 05 07W							
	039 / 219	67.0NM		FL 195 FL 095	9000 FT ALT	10NM	Even	Odd	(*) {C}
▲ PORTO SANTO DVOR/DME (SNT)		33 05 25N 016 21 02W							
	035 / 216	40.0NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ LIDRO		33 40 03N 015 56 59W							
	036 / 216	60.0NM		FL 195 FL095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ PECKY		34 31 49N 015 20 16W							
	036 / 215	157.2NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ VERAM		36 46 21N 013 40 31W							
	035 / 216	184.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ ASMAR		39 22 21N 011 35 44W							
	036 / 217	184.1NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ DEMOS		41 55 33N 009 21 43W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
R47		(*) Route Availability: H24 (**) For continuation, see AIP Spain							
▲ NARTA		36 03 23N 012 33 29W							
	077 / 259	228.4NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
▲ FARO DVOR/DME (VFA)		37 00 49N 007 58 30W							
	079 / 259	29.2NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ MINTA		37 07 44N 007 23 00W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
R724 (*) Route Availability: H24 (**) For continuation, see AIP Morocco									
▲ OSLAD 35 58 00N 008 18 51W									
	017 / 197	64.8NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) (**) {C}
▲ FARO DVOR/DME (VFA) 37 00 49N 007 58 30W									

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
W1 (*) Route Availability: H24									
▲ PIREN 36 50 00N 007 23 00W									
	293 / 113	30.4NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
▲ FARO DVOR/DME (VFA) 37 00 49N 007 58 30W									

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
W2 (*)Route Availability: H24									
▲ VISEU DVOR/DME (VIS) 40 43 24N 007 53 09W									
	315 / 135	14.1NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
△ PESUL 40 52 55N 008 06 54W									
	315 / 135	35.0NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name		Significant Point Coordinates					Remarks		
RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
▲ PORTO DVOR/DME (PRT)		41 16 23N	008 41 16W						

Route Designator {RNAV Specification}			[Route Usage Notes]						
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
W3		Route Availability: H24							
▲ PORTO SANTO DVOR/DME (SNT)		33 05 25N 016 21 02W							
	306 /126	09.0NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ IRSAN		33 10 00N 016 30 16W							
	306 /126	21.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ NIKAV		33 20 55N 016 52 25W							
	306 /125	69.1NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}
▲ IRKID		33 55 30N 018 04 09W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
W7		Route Availability (*) H24 (**) CDR 1 H24 FL195 / FL105 ALTN RTE - on ATC instructions (MAX EXTD 3NM)							
▲ FARO DVOR/DME (VFA)		37 00 49N 007 58 30W							
	354 / 174	77.7NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) (**) {C}
△ SOTEX		38 17 34N 008 13 12W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
	354 / 174	53.2NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) (**) {C}
△ MAGUM		39 10 03N 008 23 33W							
	354 / 174	30.3NM		FL 195 FL 095	6000 FT ALT	10NM	Even	Odd	(*) {C}
▲ FATIMA DVOR/DME (FTM)		39 39 56N 008 29 34W							

Route Designator {RNAV Specification}				[Route Usage Notes]										
Significant Point Name	Significant Point Coordinates			Remarks										
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
W8	(*) Route Availability: H24													
▲ BAROK	35 58 00N 010 01 24W													
	018 / 198	126.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}					
△ NAKOS	38 00 00N 009 20 04W													
	018 / 198	26.4NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}					
▲ ESPICHEL DVOR/DME (ESP)	38 25 27N 009 11 08W													

Route Designator {RNAV Specification}		[Route Usage Notes]												
Significant Point Name		Significant Point Coordinates						Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
W13		Route Availability (*) H24 (**) CDR 1 H24 FL 195/ FL 105 ALTN RTE - on ATC Instructions (MAX EXTD 9NM)												
▲ AKUDA		35 58 00N 008 57 00W												
	040 / 220	78.5NM		FL 195 FL 095	3000 FT ALT	10NM	Even	Odd	(*) {C}					

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
▲ FARO DVOR/DME (VFA)		37 00 49N 007 58 30W							
	017 / 197	25.0NM		FL 195 FL 105	3000 FT ALT	10NM	Even	Odd	(*) {C}
△ MARIM		37 25 00N 007 50 28W							
	017 / 198	41.8NM		FL 195 FL 105	3000 FT ALT	10NM	Even	Odd	(*) (**) {C}
△ ALAGU		38 05 19N 007 36 52W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks	
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
Z406	(*) Route Availability: H24								
▲ MOSEN	41 47 12N 006 33 39W								
	/ 112	26.5NM		FL 245 FL 105	7000 FT ALT	10NM		Odd	Madrid ACC - delegated from Lisboa ACC (*) {C}
▲ RALUS	41 56 12N 007 06 59W								

3.1.2 SANTA MARIA TERMINAL CONTROL AREA

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name		Significant Point Coordinates			Remarks				
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H100		(*) Route Availability: H24							
▲ SANTA MARIA VOR/DME (VSM)		36 57 46N 025 09 59W							
	340 / 159	35.0NM		FL 285 3500FT MSL	3500 FT ALT		Even	Odd	(*) {A/C}
▲ AMIXI		37 28 42N 025 30 36W							
	339 / 159	25.0NM		FL 285 4500FT MSL	4500 FT ALT		Even	Odd	(*) {A/C}
▲ SAO MIGUEL DVOR/DME (VMG)		37 50 46N 025 45 29W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates			Remarks				
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
H101		(*) Route Availability: H24							
▲ SANTA MARIA VOR/DME (VSM)		36 57 46N 025 09 59W							
	309 / 130	134.2NM		FL 285 3500FT MSL	3500 FT ALT		Even	Odd	(*) {A/C}
△ RODIL		38 04 44N 027 36 24W							
	310 / 129	29.8NM		FL 285 3500FT MSL	3500 FT ALT		Even	Odd	(*) {A/C}
△ ASPEX		38 19 11N 028 09 29W							
	309 / 129	25.0NM		FL 285 10000 FT ALT	10000 FT ALT		Even	Odd	(*) {A/C}
▲ HORTA DVORTAC (VFL)		38 31 10N 028 37 25W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H102		Route Availability (1) H24							
▲ SANTA MARIA VOR/DME (VSM)		36 57 46N 025 09 59W							
	065 / 246	109.5NM		FL 285 3500FT MSL	3500FT ALT		Odd	Even	(1) {{A/C}}
▲ BEKUN		37 56 54N 023 14 05W							

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name		Significant Point Coordinates				Remarks			
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
H103		Route Availability (1) H24							
▲ SANTA MARIA VOR/DME (VSM)		36 57 46N 025 09 59W							
	087 / 268	87.8NM		FL 285 3500FT MSL	3500 FT ALT		Odd	Even	(1) {{A/C}}
▲ DOKAS		37 13 57N 023 21 52W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates				Remarks			
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
H104		Route Availability (1) H24							
▲ ETROX		36 24 09N 024 01 28W							
	310 / 129	64.5NM		FL 285 3500FT MSL	3500 FT ALT		Even	Odd	(1) {{A/C}}
▲ SANTA MARIA VOR/DME (VSM)		36 57 46N 025 09 59W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates		Remarks						
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
H105	(*) Route Availability: H24								
▲ GINSU	36 17 33N 027 38 52W								
	079 / 261	126.2NM		FL 285 3500FT MSL	3500 FT ALT		Odd	Even	(*) {A/C}
▲ SANTA MARIA VOR/DME (VSM)	36 57 46N 025 09 59W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates		Remarks						
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
H106	(*) Route Availability: H24								
▲ SANTA MARIA VOR/DME (VSM)	36 57 46N 025 09 59W								
	281 / 100	234.6NM		FL 285 3500FT MSL	3500 FT ALT		Even	Odd	(*) {A/C}
▲ GOMOS	37 00 48N 030 03 26W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates		Remarks						
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
H111	(*) Route Availability: H24								
▲ SAO MIGUEL DVOR/DME (VMG)	37 50 46N 025 45 29W								
	094 / 276	119.8NM		FL 285 5500FT MSL	5500 FT ALT		Odd	Even	(*) {A/C}
▲ BEKUN	37 56 54N 023 14 05W								

Route Designator {RNAV Specification}		[Route Usage Notes]												
Significant Point Name		Significant Point Coordinates						Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
H112		(*) Route Availability: H24												
▲ SAO MIGUEL DVOR/DME (VMG)		37 50 46N 025 45 29W												
	062 / 243	119.9NM		FL 285 5500FT MSL	5500 FT ALT		Odd	Even	(*) {A/C}					
▲ BAVAS		39 00 00N 023 40 42W												

Route Designator {RNAV Specification}				[Route Usage Notes]										
Significant Point Name		Significant Point Coordinates				Remarks								
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
H113		(*) Route Availability: H24												
▲ SAO MIGUEL DVOR/DME (VMG)		37 50 46N 025 45 29W												
	319 / 139	38.5NM		FL 285 4500FT MSL	4500 FT ALT		Odd	Even	(*) {A/C}					
▲ MIPRU		38 16 25N 026 21 53W												
	319 / 141	46.3NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}					
▲ LAJES VOR (LM)		38 47 02N 027 06 16W												

Route Designator {RNAV Specification}		[Route Usage Notes]												
Significant Point Name	Significant Point Coordinates								Remarks					
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
H114	(*) Route Availability: H24													
▲ SAO MIGUEL DVOR/DME (VMG)	37 50 46N 025 45 29W													
	295 / 117	77.1NM		FL 285 4500FT MSL	4500 FT ALT		Even	Odd	(*) {A/C}					
△ SOMUL	38 13 21N 027 19 01W													

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates		Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
	297 / 117	39.1NM		FL 285 4500FT MSL	4500 FT ALT		Even	Odd	(*) {A/C}
△ BANIX 38 24 20N 028 06 47W									
	297 / 116	25.0NM		FL 285 10000 FT ALT	10000 FT ALT		Even	Odd	(*) {A/C}
▲ HORTA DVORTAC (VFL) 38 31 10N 028 37 25W									

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H115 (*) Route Availability: H24									
▲ SAO MIGUEL DVOR/DME (VMG) 37 50 46N 025 45 29W									
	302 / 124	80.7NM		FL 285 5000 FT ALT	5000 FT ALT		Even	Odd	(*) {A/C}
△ TIMTO 38 23 16N 027 19 17W									
	304 / 122	36.3NM		FL 285 10000 FT ALT	10000 FT ALT		Even	Odd	(*) {A/C}
▲ SOLGI 38 37 30N 028 01 58W									
	302 / 122	12.1NM		FL 285 10000 FT ALT	10000 FT ALT		Even	Odd	(*) {A/C}
△ ELBEN 38 42 10N 028 16 12W									
	298 / 120	144.3NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ FLORES DVOR/DME (FRS) 39 27 13N 031 12 38W									

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑								
H121		(*) Route Availability: H24							
▲ LAJES VOR (LM)		38 47 02N 027 06 16W							
	095 / 275	45.4NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ REGLA		38 51 19N 026 08 20W							
	095 / 274	115.3NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ BAVAS		39 00 00N 023 40 42W							

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name		Significant Point Coordinates				Remarks			
{RNAV Specification}	Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
							↓	↑	
H122		(*) Route Availability: H24							
▲ LAJES VOR (LM)		38 47 02N 027 06 16W							
	060 / 240	44.6NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ DOLER		39 16 05N 026 22 48W							
	060 / 241	58.8NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ ANAVA		39 53 58N 025 24 32W							

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H123	(*) Route Availability: H24								
▲ HORTA DVORTAC (VFL)	38 31 10N 028 37 25W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
	088 / 266	28.5NM		FL 285 10000 FT ALT	10000 FT ALT		Even	Odd	(*) {A/C}
▲ SOLGI 38 37 30N 028 01 58W									
	086 / 268	44.5NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ LAJES VOR (LM) 38 47 02N 027 06 16W									

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name	Significant Point Coordinates			Remarks					
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H124	(*) Route Availability: H24								
▲ LAJES VOR (LM)	38 47 02N 027 06 16W								
	294 / 114	44.0NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ LADOX	38 56 50N 028 01 16W								
	294 / 114	151.5NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ FLORES DVOR/DME (FRS)	39 27 13N 031 12 38 W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates					Remarks		
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
H125		(*) Route Availability: H24							
▲ LAJES VOR (LM)		38 47 02N 027 06 16W							
	314 / 134	43.7NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ SIPRU		39 10 48N 027 53 22W							
	314 / 133	115.1NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
▲ LUKIT		40 11 49N 030 00 00W							
	313 / 131	124.6NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ LUKAL		41 15 11N 032 21 21W							

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H131	(*) Route Availability: H24								
▲ INBOX	38 22 06N 033 21 49W								
	100 / 279	158.4NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ INBUL	38 29 43N 030 00 00W								
	099 / 280	64.7NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ HORTA DVORTAC (VFL)	38 31 10N 028 37 25W								

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates					Remarks		
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑						↓	↑	
H132		(*) Route Availability: H24							
▲ HORTA DVOR/DME (VFL)		38 18 10N 028 37 25W							
	306 / 127	133.2NM		FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}
▲ FLORES DVOR/DME (FRS)		39 27 13N 031 12 38W							

Route Designator {RNAV Specification}			[Route Usage Notes]										
Significant Point Name	Significant Point Coordinates						Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks				
	↓ / ↑						↓	↑					
H141	(*) Route Availability: H24												
▲ FLORES DVOR/DME (FRS)	39 27 13N 031 12 38W												
	317 / 134	119.9NM		FL 285 4500FT MSL	4500 FT ALT		Even	Odd	(*) {A/C}				
▲ KOLIT	40 32 55N 033 23 21W												

Route Designator {RNAV Specification}		[Route Usage Notes]												
Significant Point Name		Significant Point Coordinates						Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
H142		(*) Route Availability: H24												
▲ FLORES DVOR/DME (FRS)		39 27 13N 031 12 38W												
	297 / 116	119.8NM		FL 285 4500FT MSL	4500 FT ALT		Even	Odd	(*) {A/C}					
▲ KOKER		39 54 21N 033 44 02W												

Route Designator {RNAV Specification}		[Route Usage Notes]												
Significant Point Name		Significant Point Coordinates						Remarks						
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks					
	↓ / ↑						↓	↑						
H151		(*) Route Availability: H24												
▲ LAJES VOR (LM)		38 47 02N 027 06 16W												
	304 / 124	47.1NM	(COP)	FL 285 5000FT MSL	5000 FT ALT		Even	Odd	(*) {A/C}					
▲ GRACIOSA Locator (GC)		39 05 38N 028 01 51W												

Route Designator {RNAV Specification}		[Route Usage Notes]							
Significant Point Name		Significant Point Coordinates						Remarks	
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
H152		(*) Route Availability: H24							
▲ HORTA DVORTAC (VFL)		38 31 10N 028 37 25W							
	049 / 230	44.3NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ GRACIOSA Locator (GC)		39 05 38N 028 01 51W							

Route Designator {RNAV Specification}				[Route Usage Notes]					
Significant Point Name		Significant Point Coordinates				Remarks			
{RNAV Specification}	Track MAG	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series		Controlling unit {Airspace class} Remarks
	↓ / ↑							↓	
H153		(*) Route Availability: H24							
▲ HORTA DVORTAC (VFL)		38 31 10N 028 37 25W							
	067 / 246	31.9NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ NOTMA		38 48 45N 028 03 22W							
	101 / 283	44.6NM		FL 285 5000FT MSL	5000 FT ALT		Odd	Even	(*) {A/C}
▲ LAJES VOR (LM)		38 47 02N 027 06 16W							