

ESPAÇO AÉREO

AIRSPACE

1 FIR, TMA & CTA

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Nome Limites Laterais (WGS84) Name Lateral limits (WGS 84)	Limites Verticais Vertical limits	Classe Class	Serviço Unit	ID. idioma e Horas Call Sign Languages Hours	FREQ	Notas Remarks	
Lisboa FIR 4300N 01300W - 4200N 01000W along border PORTUGAL_SPAIN - 3558N 00723W - 3558N 01200W - 3215N 01438W then a clockwise arc radius 100NM centered on 330407N 0162130W - 341504N 0174605W - 3630N 01500W - 4200N 01500W - 4300N 01300W	UNL SFC		Lisboa ACC	Lisboa Control (EN, PT)		* Excluindo/Excluding Lisboa, Porto, Faro and Madeira TMA's and CTRs. Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace. Nas ATZ, o serviço é prestado pelo respectivo AFIS. Within ATZ, the unit providing service is the respective AFIS	
						H24	121.500 MHZ
Sobre o Território Português (incluindo 12NM de águas territoriais) Over Portuguese Territory (plus 12NM of Portuguese Territorial Waters)	UNL FL 660 FL 660 FL 095 FL 095 GND			Lisboa Information (EN, PT)	H24	243.000 MHZ	Emergency
					H24	A)	A) FIS nas freq. atribuídas FIS on the allocated Freq.
					H24	B) 123.750 MHZ 130.900 MHZ 131.050 MHZ 278.150 MHZ 358.525 MHZ 231.775 MHZ	B) MIL Freq. disponível para FIS de voos civis Military FREQ also available for civil flights for FIS purposes.
				Lisboa VOLMET (EN, PT)			
				H24	126.400 MHZ		
						Lisboa Information (EN, PT)	
				H24	127.900 MHZ		
						Gen. Purpose : SELCAL	

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Lisboa FIR SECTORS						
The lateral limits of Lisboa FIR	UNL SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR A sectorização da FIR de Lisboa é efectuada num período específico através da combinação de sectores para corresponder às necessidades operacionais. The configuration scenario of Lisboa FIR sectorization that might be in use in a specific periode of time results from the combination of sectors to respond to the traffic demand and operational needs.
LOWER NORTH SECTOR						
415308N0085015W along border Portugal-Spain 402358N0064906W 392300N0080100W 385400N0100000W 392055N0094705W 401159N0092633W 402256N0092205W 403856N0091505W 404940N0091111W 415308N0085015W	FL 245 SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Excluindo/Excluding Lisboa, Porto TMAs Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado. VFR flights not accepted above FL200 except in segregated airspace
				HO	132.300 MHZ	Primary
					132.850 MHZ	Secondary
					254.975 MHZ	
LOWER CENTRE SECTOR						
402358N0064906W along border Portugal-Spain 375957N0071223W 380000N0090000W 380000N0091200W 380000N0092800W 380000N0100000W 385400N0100000W 392300N0080100W 402358N0064906W	FL 245 SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Excluindo/Excluding Lisboa TMA Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace
				HO	136.025 MHZ	Primary
					132.850 MHZ	Secondary
					338.800 MHZ	
LOWER SOUTH SECTOR						
375957N0071223W along border Portugal-Spain 370730N0072318W 364016N0072311W 355800N0072300W 355800N0104400W 380000N0092800W 380000N0091200W 380000N0090000W 375957N0071223W	FL 245 SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Excluindo/Excluding Faro TMA Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace
				HO	125.550 MHZ	Primary
					132.850 MHZ	Secondary
					358.500 MHZ	

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DEMOS LOWER SECTOR 420000N0150000W 430000N0130000W 420126N0100405W 415222N0085536W 415308N0085015W 404940N0091111W 403856N0091505W 402256N0092205W 401159N0092633W 392055N0094705W 385400N0100000W 390000N0101300W 392221N0113544W 393000N0150000W 420000N0150000W	FL 245 SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace				
					HO	131.325 MHZ	Primary			
								HO	128.900 MHZ	Secondary
									357.700 MHZ	
VERAM LOWER SECTOR 385400N 0100000W 380000N 0100000W 380000N 0092800W 355800N 0104400W 355800N 0120000W 360323N 0123329W 364621N 0134031W 363000N 0150000W 393000N 0150000W 392221N 0113544W 390000N 0101300W 385400N 0100000W	FL 365 SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace				
					HO	131.325 MHZ	Primary			
								HO	128.900 MHZ	Secondary
									357.700 MHZ	
MADEIRA SECTOR 385800N 0120000W 321500N 0143800W then clockwise arc radius 100NM centred on 330407N 0162130W (NDB PST) 341500N 0174600W 363000N 0150000W 364621N 0134031W 360323N 0123329W 355800N 0120000W	UNL SFC	C G*	Lisboa ACC	Lisboa Control (EN, PT)		*Dentro dos limites laterais e verticais da FIR de Lisboa Within the lateral and vertical limits of Lisboa FIR Excluindo TMA Madeira within these limits Excluding Madeira TMA dentro destes limites Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado O Tráfego para AD Madeira e AD Porto Santo deve contactar APP Madeira na Freq.119.600MHZ VFR flights not accepted above FL200 except in segregated airspace Traffic to Madeira AD and Porto Santo AD must CTC Madeira APP on Freq.119.600MHZ				
					HO	132.250 MHZ	Primary			
								HO	131.125 MHZ	Secondary

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LISBOA TMA 400045N 0083905W then a clockwise arc radius 22NM centered on 393956N 0082934W - 393959N 0080100W - 392300N 0080100W - 385000N 0080100W - 382200N 0082400W - 381201N 0084025W - 380736N 0084738W - 380000N 0090000W - 380000N 0100000W - 385400N 0100000W - 384533N 0092709W then a counter-clockwise arc radius 7.5NM centered on 385241N 0092407W - 384724N 0091717W then a counter-clockwise arc radius 7.5NM centered on 385241N 0092407W - 384940N 0091519W - 385655N 0091127W - 385738N 0091104W - 390810N 0090525W - 392055N 0085505W - 393605N 0084259W - 394325N 0083705W - 400045N 0083905W	300M AGL/AMSL 450M AGL/AMSL FL055	C	Lisboa ACC			Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.
LISBOA TMA Upper Sector						
	FL245 FL145	C	Lisboa ACC	Lisboa Control (EN,PT)		
				HO	123.975 MHz	Primary
					119.550 MHz	Secondary
					120.350 MHz	Secondary
					233.975 MHz	
LISBOA TMA Lower Sector						
	FL145 FL055	C	Lisboa ACC	Lisboa Approach (EN,PT)		Excluindo a porção do sector APP, dentro destes limites. Excluding that portion of APP sector, within these limits.
				HO	119.100 MHz	Primary
					119.550 MHz	Secondary
					120.350 MHz	Secondary
					233.975 MHz	
LISBOA APP Sector 1						
Arco de círculo 30NM centrado no ARP adjacente ao limite Oeste da TMA A arc of circle of 30NM radius centred on ARP abutting on west bound of TMA limit.	FL085 2000FT AMSL	C	Lisboa ACC	Lisboa Approach (EN,PT)		
				HO	119.100 MHz	Primary
					125.125 MHz	Primary
					119.550 MHz	Secondary
					120.350 MHz	Secondary
					233.975 MHz	
LISBOA APP Sector 2						
Arco de círculo 30NM centrado no ARP adjacente ao limite Oeste da TMA A arc of circle of 30NM radius centred on ARP abutting on west bound of TMA limit.	2000FT AMSL 450M AGL/AMSL 300M AGL/AMSL	C	Lisboa ACC	Lisboa Approach (EN,PT)		Excluindo a porção da CTR de Lisboa, LPR44A e LPR26A dentro destes limites. Excluding that portion of Lisboa CTR LPR44A and LPR26A within these limits
				HO	119.100 MHz	Primary
					125.125 MHz	Primary
					119.550 MHz	Secondary
					120.350 MHz	Secondary
					233.975 MHz	

O APP Sector 2 tem diferentes limites inferiores estabelecidos de acordo com dois tipos de raio centrados no ARP (384627 N0090803W):
a) 300M (1000FT) AGL/AMSL - Limite inferior no circulo de 9NM.
b) 450 M (1500FT) AGL/AMSL - Limite inferior no circulo de 30NM.
The APP Sector 2 presents different lower limits established in accordance with two different radius centred at ARP (384627 N0090803W):
a) 300M (1000FT) AGL/AMSL lower limit for the circle of 9NM.
b) 450 M (1500FT) AGL/AMSL lower limit for the Circle of 30NM.

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Faro TMA 373551N 0075731W - 372455N 0075304W - PORTUGAL_SPAIN - 370730N 0072318W - 364016N 0072311W then a clockwise arc 35NM centred on 370049N 0075830W - 373551N 0075731W	FL245 300M AGL/AMSL	C	Lisboa ACC	Lisboa Control (EN, PT)		Excluindo a porção da CTR de Faro dentro destes limites Excluding that portion of Faro CTR within these limits
						Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.
	FL245 FL115	Lisboa ACC	TWR Faro	Faro Approach (EN, PT)	125.550MHZ	Primary
					132.850MHZ	Secondary
	FL115 300M AGL/AMSL	TWR Faro	TWR Faro	Faro Approach (EN, PT)	358.500MHZ	
					119.400MHZ	
					376.750MHZ	
					121.500MHZ	Emergency
			H24	243.000MHZ	Emergency	

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Madeira TMA 324423N 0172945W then a counter-clockwise arc radius 40NM centered on 324449.81N 0164219.63W - 320506N 0163606W - 330526N 0153326W then a counter-clockwise arc radius 40NM centered on 330525.48N 0162102.28W - 334510N 0162713W - 324423N 0172945W	FL245 300M AGL/AMSL	C	Lisboa ACC and APP Madeira			Excluindo as porções das CTR's de Porto Santo e Madeira dentro destes limites Excluding that portions of Porto Santo and Madeira CTR's within these limits Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.				
							Lisboa ACC	Lisboa Control (EN, PT)	132.250MHZ	Primary
								HO	131.125MHZ	Secondary
							FL115 300M AGL/AMSL	TWR Madeira		
	Madeira Approach (EN, PT)	119.600MHZ	Primary							
		HO	120.450MHZ	Secondary						
	H24	279.050MHZ								
		121.500MHZ	Emergency							
						243.000MHZ	Emergency			

<p>Porto TMA</p> <p>415335N 0090157W - 415221N 0085126W along portuguese / spanish border 415145N 0072708W 410213N 0075854W then a clockwise arc radius 35NM centered on 411623N 0084116W to 411214N 0092720W - 415335N 0090157W</p> <p>A TMA PORTO tem os seguintes 4 limites inferiores / The PORTO TMA presents 4 different lower limits, as follows</p> <p>a) 300M (1000FT) AGL/AMSL na área de vetorização Radar do Porto / 300M (1000FT) GND/MSL within Porto Radar Vectoring Area - 405802N 0090539W then clockwise arc radius 25 NM centred on 411449N 0084108W to 405127N 0082919W - 405252N 0083001W - then a clockwise arc radius 23.5NM centred on 411449N 0084108W to 405903N 0090411W - 405802N 0090539W</p> <p>b) FL055, num círculo circunscrito pela área de vetorização radar e um arco de círculo de 35NM centrado no VOR/DME PRT excluindo a área descrita em a) FL055, for the hollow circle circumscribed by radar vectoring area and arc circle of 35NM centred on PRT VOR/DME excluding the area described in a)</p> <p>C) FL065 exteriormente ao arco de círculo de 35NM centrado no VOR/DME PRT FL065, beyond arc circle of 35NM centred on PRT VOR/DME</p>	<p>FL245 300M AGL/AMSL</p>	C	Lisboa ACC and TWR Porto				<p>Excluindo a porção da CTR de Porto e LPR40A dentro destes limites Excluding that portion of Porto CTR and LPR40A within these limits</p> <p>Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.</p>	
	<p>FL245 FL115</p>							Lisboa ACC
					HO	<p>132.850MHZ</p>	<p>Secondary</p>	
		<p>FL115 300M AGL/AMSL</p>		TWR Porto	Porto Approach (EN, PT)			
		<p>FL115 / FL055</p>						
		<p>FL115 / FL065</p>						
					HO	<p>121.100MHZ 118.850MHZ 277.800MHZ</p>	<p>Primary Secondary</p>	
					H24	<p>121.500MHZ 243.000MHZ</p>	<p>Emergency Emergency</p>	

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Santa Maria Oceanic FIR 4500N04000W - 4500N01300W - 4300N01300W - 4200N01500W - 3630N01500W - 3415N01746W - arc of circle with 100NM radius centred at PST NDB (anti clockwise) 3140N01725W - 3000N02000W -3000N02500W - 2400N02500W -1700N03730W - 2218N04000W -to origin.	UNL MSL FL055 SFC	G	Santa Maria OAC			Excluindo o espaço aéreo "A" e "C" dentro dos limites definidos Excluding the airspace classified "A" and "C" within these limits. Nas ATZ LPCR, LPGR, LPPI e LPSJ a unidade prestadora de serviço é o respectivo AFIS Within LPCR, LPGR, LPPI and LPSJ ATZ, the Unit providing service is the respective AFIS,					
				Santa Maria TMA 394139N0244631W - arc of circle of 120NM radius centred at VMG VOR clockwise to 355922N 0264135W - 373323N0320128W - arc of circle of 120NM radius centred at FRS VOR clockwise to 412039N0302103W to origin.	FL285 FL195 FL195 300M AGL/AMSL		A C	Santa Maria OAC	Santa Maria Radar (EN, PT)		Excluindo Área de Controlo Militar das Lajes (CTA), Zonas de Controlo das Flores, Horta, Ponta Delgada e Santa Maria (CTR), dentro destes limites. Excluding Lajes Military Control Area (CTA), Flores, Horta, Ponta Delgada and Santa Maria Control Zones (CTR) within these limits.
									H24	132.150MHZ 129.400MHZ 121.500MHZ	
Lajes Military Control Area Area bounded within 45NM radius of 384543N 0270527W (ARP) excepted for that South portion beyond a line defined by 383419N 0280102W - 381224N 0262652W.	FL155 700FT AGL/AMSL	C	APP Lajes	Lajes Approach (EN, PT)		Excluindo a porção da CTR MIL das LPLA dentro destes limites Excluding that portion of LAJES MIL CTR within these limits					
				H24	121.500MHZ		Emergency				
					123.300MHZ		Radar discrete				
					135.000MHZ		Primary				
					243.000MHZ		Emergency				
					317.500 MHz		Radar discrete				
					362.300MHZ		Primary				

ROTAS ATS - Vide AIP Portugal ENR 3

ATS ROUTES - See AIP Portugal ENR 3