

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 - 321505.55N 0143811.43W then a clockwise arc radius 100NM centered on 330407N 0162130W - 341504.16N 0174605.06W - 3630N 01500W - 4200N 01500W - 4300N 01300W	FL 999 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		* Excluindo/Excluding Lisboa, Porto, Faro and Madeira TMAs CTRs. Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.
Sobre o Território Português (incluindo 12NM de águas territoriais) Over Portuguese Territory (plus 12NM of Portuguese Territorial Waters)	FL 999 FL 660	G		HO	119.550MHZ	
				HO	120.250MHZ	
				HO	120.600MHZ	
				HO	124.350MHZ	
	FL 660 FL 095	C		H24	125.550MHZ	
				H24	128.900MHZ	
	FL 095 GND	G*		HO	131.125MHZ	
				HO	131.325MHZ	
Sobre Alto-mar (Limites da FIR excluindo o espaço aéreo continental) Over High Seas (Limits of the FIR excluding the Continental Airspace)				H24	132.250MHZ	
				HO	132.300MHZ	
	FL 999 FL 055	C		HO	132.700MHZ	
				HO	127.255MHZ	
	FL 055 MSL	G*		HO	132.850MHZ	
				HO	134.855MHZ	
				HO	135.455MHZ	
				HO	136.025MHZ	
				HO	259.750MHZ	
				H24	285.150MHZ	
				H24	294.700MHZ	
				HO	316.900MHZ	
				HO	338.000MHZ	
				HO	338.800MHZ	
				HO	362.050MHZ	
				HO	375.250MHZ	
				H24	357.500MHZ	
				H24	121.500MHZ -A)	Emergency
				H24	243.000MHZ -A)	Emergency
			ACC Lisboa	Lisboa Information (EN, PT)		
				H24	A)	A)
				HJ	B) 123.750MHZ	FIS nas freq. atribuídas FIS on the allocated Freq.
				HJ	130.900MHZ	B)
				HJ	131.050MHZ	MIL Freq. disponível para FIS de voos civis
				HJ	242.000MHZ	Military FREQ also available for civil flights for FIS purposes.
				HJ	247.250MHZ	
				HJ	358.350MHZ	

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				HJ	C) 123.750MHZ	C) FIS prestado em 123.750MHZ abaixo FL55 espaço aéreo continental excluindo TMA's de Faro e Porto e círculo de 30NM centrado no ARP de Lisboa no limite adjacente Oeste da TMA de Lisboa C) FIS will be provided on 123.750 MHZ below FL55, within continental airspace, excluding: -Faro and Porto TMA's -The circle of 30NM centred on Lisboa ARP abutting on West bound of TMA limit.
Lisboa VOLMET (EN, PT)						
				H24	126.400MHZ	
Lisboa Information (EN, PT)						
				H24	127.900MHZ	Loc: 391024.78N00903 5.11W Coverage:80NM - FL200 Gen. Purpose : SELCAL

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Lisboa FIR SECTORS The lateral limits of Lisboa FIR	FL 999 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		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 345 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		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	132.300MHZ	Primary
				HO	132.850MHZ	Secondary
				HO	338.000MHZ	
LOWER CENTRE SECTOR 402358N0064906W along border Portugal-Spain 375957N0071223W 380000N0090000W 380000N0091200W 380000N0092800W 380000N0100000W 385400N0100000W 392300N0080100W 402358N0064906W	FL 345 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		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	136.025MHZ	Primary
				HO	132.850MHZ	Secondary
				HO	338.800MHZ	

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SOUTH SECTOR 375957N0071223W along border Portugal-Spain 370730N0072318W 364016N0072311W 355800N0072300W 355800N0104400W 380000N0092800W 380000N0091200W 380000N0090000W 375957N0071223W	FL 999 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		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	125.550MHZ	Primary
				HO	132.700MHZ	Secondary
				HO	357.500MHZ	
DEMOS SECTOR 420000N0150000W 430000N0130000W 420126N0100405W 415222N0085536W 415308N0085015W 404940N0091111W 403856N0091505W 402256N0092205W 401159N0092633W 392055N0094705W 385400N0100000W 390000N0101300W 392221N0113544W 393000N0150000W 420000N0150000W	FL 999 MSL		ACC Lisboa	Lisboa Control (EN, PT)		Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace
				HO	128.900MHZ	Primary
				HO	124.350MHZ	Secondary
				HO	294.700MHZ	
VERAN SECTOR 420000N0150000W 430000N0130000W 420126N0100405W 415222N0085536W 415308N0085015W 404940N0091111W 403856N0091505W 402256N0092205W 401159N0092633W 392055N0094705W 385400N0100000W 390000N0101300W 392221N0113544W 393000N0150000W 420000N0150000W	FL 999 MSL		ACC Lisboa	Lisboa Control (EN, PT)		Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace
				HO	131.325MHZ	Primary
				HO	124.350MHZ	Secondary
				HO	375.250MHZ	
MADEIRA SECTOR 3858N01200W 3215N01438W then clockwise arc radius 100NM centred on 3304N01622W 3415N01746W 3630N01500W 364621N 0134031N 360323N0123329W 3558N01200W	FL 999 GND/MSL		ACC Lisboa	Lisboa Control (EN, PT)		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	132.250MHZ	Primary
				HO	131.125MHZ	Secondary
				HO	285.150MHZ	

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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 LISBOA TMA Sector	FL245 300M GND/MSL 450M - FL55	C	ACC Lisboa			Excluindo a CTR de Lisboa Excluding Lisboa CTR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.						
						Excluindo APP de Lisboa Excluding Lisboa APP						
					HO	120.600MHZ	Primary					
					HO	120.250MHZ	Secondary					
					HO	316.900MHZ						
					LISBOA TMA Upper Sector	FL245 FL145	C	ACC Lisboa	Lisboa Control (EN,PT)		Excluindo APP de Lisboa Excluding Lisboa APP	
										HO	120.600 MHz	Primary
										HO	316.900 MHz	
					LISBOA TMA Lower Sector LISBOA APP Sector Arco de circulo 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.	FL145 FL055	C	ACC Lisboa	Lisboa Control (EN,PT)		Excluindo APP de Lisboa Excluding Lisboa APP	
HO	120.250MHZ	Primary										
HO	316.900 MHz											
LISBOA APP Sector 1 Arco de circulo 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 300M AGL/ MSL 450M AGL/ MSL	C	ACC Lisboa	Lisboa Approach (EN,PT)							Excluindo a CTR de Cascais e Lisboa Excluding Cascais and Lisboa CTR	
										H24	119.100MHZ	Primary
										H24	119.550MHZ	Secondary
										H24	316.900MHZ	
H24	121.500MHZ	Emergency										
H24	243.000MHZ	Emergency										
LISBOA APP Sector 1 Arco de circulo 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	ACC Lisboa	Lisboa Control (EN,PT)								
					HO	119.100 MHz	Primary					
					HO	316.900 MHz						
					HO	121.500 MHz	Emergency					
HO	243.000 MHz	Emergency										

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 300M AGL/ MSL 450M AGL/ MSL	C	ACC Lisboa	Lisboa Control (EN,PT)	Excluindo a CTR de Cascais e Lisboa Excluding Cascais and Lisboa CTR		
				HO		119.550 MHZ	Primary
				HO		316.900 MHZ	

O Sector APP tem diferentes limites inferiores estabelecidos de acordo com dois tipos de raio centrados no ARP (384627 N0090803W):
 a) 300M (1000FT) GND/MSL - Limite inferior no círculo de 9NM.
 b) 450 M (1500FT) GND/MSL - Limite inferior na coroa circunscrita pelos arcos de círculo de 9NM e 30NM.
 The APP Sector presents different lower limits established in accordance with two different radius centred at ARP (384627 N0090803W) as follows:
 a) 300M (1000FT) GND/MSL lower limit for the circle of 9NM.
 b) 450 M (1500FT) GND/MSL lower limit for the hollow circle circumscribed by arc circles of 9NM and 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 GND/ MSL	C	ACC Lisboa and APP Faro	Lisboa Control (EN, PT)	125.550MHZ 132.700MHZ 357.500MHZ	Excluindo a CTR de Faro Excluding Faro CTR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.				
							FL245 FL115	ACC Lisboa	H24	Primary
							FL115 300M GND/MSL	APP Faro	H24	Secondary
					H24	119.400MHZ				
					H24	376.750MHZ				
					H24	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 GND/ MSL	C	ACC Lisboa and APP Madeira			Excluindo a CTR de Porto Santo e Madeira Excluding Porto Santo and Madeira CTR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.						
							FL245 FL115	ACC Lisboa	Lisboa Control (EN, PT)	H24	132.250MHZ	Primary
										H24	131.125MHZ	Secondary
	H24	285.150MHZ										
	FL115 300M GND/ MSL	APP Madeira	Madeira Approach (EN, PT)	H24	119.600MHZ	Primary						
				H24	120.450MHZ	Secondary						
				H24	279.050MHZ							
				H24	121.500MHZ	Emergency						
				H24	243.000MHZ	Emergency						
	Porto TMA 415308N 0085015W along border PORTUGAL, SPAIN - 415145N 0072708W - 410213N 0075854W then a clockwise arc radius 35NM centered on 411623N 0084116W - 404940N 0091111W - 415308N 0085015W	FL245 300M GND/ MSL FL55 / FL65	C	ACC Lisboa and APP Porto			Excluindo a CTR de Porto Excluding Porto CTR Voos VFR não aceites acima de FL200 excepto no espaço aéreo segregado VFR flights not accepted above FL200 except in segregated airspace.					
								FL245 FL115	ACC Lisboa	Lisboa Control (EN, PT)	H24	132.300MHZ
H24											338.000MHZ	
HO		132.850MHZ	Secondary									
FL115 300M GND/ MSL FL55 / FL65		APP Porto	Porto Approach (EN, PT)	H24	121.100MHZ	Primary						
				H24	118.850MHZ	Secondary						
				H24	121.500MHZ	Emergency						
				H24	277.800MHZ	Primary						
				H24	243.000MHZ	Emergency						
A TMA do Porto apresenta três diferentes limites inferiores: a) 300M (1000FT) GND/MSL, na Área de Vectorização Radar. b) FL55, adjacente ao círculo circunscrito pela vectorização Radar e o arco de círculo de 35 NM centrado no VOR/DME PRT c) FL65, fora do arco de círculo de 35NM centrado no VOR/DME PRT The Porto TMA presents three different lower limits, as follows: a) 300M (1000FT) GND/MSL, within Radar Vectoring Area. b) FL55, for the hollow circle circumscribed by Radar Vectoring Area and arc circle of 35NM centred on PRT VOR/DME. c) FL65, beyond arc circle of 35NM centred on PRT VOR/DME.												

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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) 313930N0172453W - 3000N02000W -3000N02500W - 2400N02500W -1700N03730W - 2218N04000W -to origin.	UNL MSL FL55 GND/MSL	G	ACC Santa Maria			Excluindo o espaço aéreo "A" e "C" dentro dos limites definidos Excluding the airspace classified "A" and "C" within these limits.
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 GND/ MSL	A C	ACC Santa Maria	Santa Maria Radar (EN, PT)		Na área circunvizinha à TMA de Santa Maria Within or in vicinity of Santa Maria TMA
				H24	132.150MHZ	Primary frequency
				H24	129.400MHZ	Backup frequency
				H24	121.500MHZ	Emergency frequency

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