

B Frequency bands and channels reserved for 2006, for the operation of electronic communications networks and services

B.2 Not available to the general public

The terms and abbreviations used mean the following:

Required rights of use: identification of the need to allocate rights of use according to article 16 of Law no. 5/2004 of 10 February

Exploration mode: (*simplex, duplex or semi-duplex, when applicable*)

. *simplex*: operation mode in which it is possible to alternately transmit in both directions in the telecommunication channel, using one or two frequencies

. *duplex*: operation mode in which it is possible to simultaneously transmit in both directions in the telecommunication channel, using two frequencies

. *semi-duplex*: simplex operation mode at one end of the telecommunication channels and duplex operation at the other, using two frequencies

Type of channel: (*spacing between adjacent channels, when applicable*)

Shared use: use of a frequency/channel by more than one entity

Exclusive use: use of a frequency/channel by one single entity

Scope of use:

n - national scope: use of a frequency/channel in the national territory

g - geographical scope: use of a frequency/channel on a given, well determined area by radiocommunication stations, such as fixed stations, broadcasting stations and Earth stations.

Allocation procedure (full accessibility)

PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES

- Reserved Frequencies -

FIXED SERVICE - DECAMETRIC WAVE LINKS (SFHF)				
Frequency Band	Required rights of use	Shared Use	Scope of Use	Allocation procedure
3200 - 3375 kHz	NO	(*)	g	full accessibility
6765 - 6795 kHz	NO	(*)	g	full accessibility
7350 - 7757 kHz	NO	(*)	g	full accessibility
13415 - 13495 kHz	NO	(*)	g	full accessibility
13515 - 13570 kHz	NO	(*)	g	full accessibility
13914 - 14000 kHz	NO	(*)	g	full accessibility
14350 - 14604 kHz	NO	(*)	g	full accessibility
14670 - 14990 kHz	NO	(*)	g	full accessibility
15800 - 16180 kHz	NO	(*)	g	full accessibility
16235-16360 kHz	NO	(*)	g	full accessibility
17452 - 17480 kHz	NO	(*)	g	full accessibility
18030 - 18052 kHz	NO	(*)	g	full accessibility
18168 - 18249 kHz	NO	(*)	g	full accessibility
18733 - 18780 kHz	NO	(*)	g	full accessibility
19120 - 19680 kHz	NO	(*)	g	full accessibility
19800 - 19990 kHz	NO	(*)	g	full accessibility
20010 - 20442 kHz	NO	(*)	g	full accessibility
20680 - 21000 kHz	NO	(*)	g	full accessibility
21850 - 21870 kHz	NO	(*)	g	full accessibility
22855 - 22900 kHz	NO	(*)	g	full accessibility
23350 - 24125 kHz	NO	(*)	g	full accessibility
24325 - 24890 kHz	NO	(*)	g	full accessibility
25210 - 25550 kHz	NO	(*)	g	full accessibility
26175 - 26870 kHz	NO	(*)	g	full accessibility
26957 - 27500 kHz	NO	(*)	g	full accessibility

(*) Band shared with other users.

PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
- Reserved Frequencies -

FIXED SERVICE - POINT-to-POINT LINKS				
Frequency Band	Required rights of use	Shared Use	Scope of Use	Allocation procedure
406.1-410 MHz	NO	(1)(2)	g	full accessibility
410-430 MHz	NO	(2) (3)	g	full accessibility
1350 - 1375 MHz 1492 - 1517 MHz CEPT ERC/REC 13-01 A	NO	(2)	g	full accessibility
1375 - 1400 MHz 1427 - 1452 MHz CEPT ERC/REC 13-01 B	NO	(2)	g	full accessibility
2025 - 2110 MHz 2200 - 2290 MHz CEPT ERC/REC 13-01 C	NO	(2)	g	full accessibility
4 GHz (3800 - 4200 MHz) ERC/REC 12-08 B1	NO	(2)	g	full accessibility
6 GHz (5925 - 6425 MHz) ERC/REC 14-01 A1	NO	(2)	g	full accessibility
6 GHz (6425 - 7110 MHz) ERC/REC 14-02 A1	NO	(2)	g	full accessibility
7 GHz (7110 - 7425 MHz) Rec. UIT-R 385	NO	(2)	g	full accessibility
7 GHz (7125-7425 MHz) CEPT ECC/REC 02-06 A1	NO	(2)	g	full accessibility
7 GHz (7425-7725 MHz) CEPT ECC/REC 02-06 A1	NO	(2)	g	full accessibility
7 GHz (7425 - 7750 MHz) Rec. UIT-R 385	NO	(2)	g	full accessibility
8 GHz (7700 - 8300 MHz) Rec. UIT-R 386 A1	NO	(2)	g	full accessibility
8 GHz (8200 - 8500 MHz) Rec. UIT-R 386	NO	(2)	g	full accessibility
11 GHz (10.7 - 11.7 GHz) ERC/REC 12-03 Rec3	NO	(2)	g	full accessibility
13 GHz (12.75 - 13.25 GHz) Rec. UIT-R 497	NO	(2)	g	full accessibility
15 GHz 14.5 - 15.35 GHz CEPT ERC/REC 12-07	NO	(2)	g	full accessibility
18 GHz (17.7 - 19.7 GHz) ERC/REC 12-03 A	NO	(2)	g	full accessibility
23 GHz (22 - 23.6 GHz) CEPT ERC/REC 13-02 A	NO	(2)	g	full accessibility
32 GHz 31.8 - 33.4 GHz CEPT ERC/REC 01-02	NO	(2)	g	full accessibility
38 GHz 37 - 39.5 GHz CEPT Rec T/R 12-01	NO	(2)	g	full accessibility

(1) Band with specific planning at 12.5 kHz and 25 kHz (simplex).

(2) Bands shared with other users.

(3) Band with specific planning at 12.5 kHz and 25 kHz (duplex), and shared with the land mobile service.

58 GHz 57 - 59 GHz CEPT ERC/REC 12-09	NO	(2)	g	full accessibility
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PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
- Reserved Frequencies -

FIXED SERVICE - STUDIO TRANSMITTER LINK Studio Transmitter Link (STL)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
1517 - 1525 MHz	NO	100 kHz	80	g	full accessibility ⁽¹⁾
	NO	300 kHz	26	g	full accessibility ⁽¹⁾

BROADCASTING SERVICE - SAP/SAB video links ⁽²⁾					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
2070-2110 MHz	NO	⁽³⁾	⁽⁴⁾	g	full accessibility
2245-2260 MHz	NO	⁽³⁾	⁽⁴⁾	g	full accessibility
2390-2500 MHz	NO	⁽³⁾	⁽⁴⁾	g	full accessibility
10-10.45 GHz	NO	⁽³⁾	⁽⁴⁾	g	full accessibility

Integrated Emergency and Security Network System					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
380-383 MHz 390-393 MHz ⁽⁵⁾	NO	25 kHz	120	n	Resolution of the Council of Ministers no. 56/2003 of 8 April

⁽¹⁾ Limited to holders of sound broadcasting licence (permit).

⁽²⁾ SAP/SAB video links, particularly for wireless cameras, portable and mobile SAP/SAB video links and SAP/SAB point-to-point video links used for live transmission of events.

⁽³⁾ Depending on request received.

⁽⁴⁾ Depending on type of channel.

⁽⁵⁾ If necessary, the 383-385 MHz/393-395MHz extension bands may be made available.

PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
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LAND MOBILE SERVICE (SMT)					
Frequency Band	Required rights of use	Type of channel Exploration Mode	No. of Shared Use channels	Scope of Use	Allocation procedure
29.7 - 41 MHz	NO	20 kHz simplex	(1)	g	full accessibility
		20 kHz semi-duplex	(1)	g	full accessibility
68 - 87.5 MHz	NO	12.5 kHz simplex	(1)	g	full accessibility
		12.5 kHz semi-duplex	(1)	g	full accessibility
148 - 174 MHz	NO	12.5 kHz simplex	(1)	g	full accessibility
		12.5 kHz semi-duplex	(1)	g	full accessibility
440 - 450 MHz	NO	12.5 kHz simplex	(1)	g	full accessibility
		12.5 kHz semi-duplex	(1)	g	full accessibility
450 - 470 MHz	NO	12.5 kHz simplex	(1)	g	full accessibility
		12.5 kHz semi-duplex	(1)	g	full accessibility

LAND MOBILE SERVICE - Systems using digital technology					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
410 - 430 MHz	NO	25 kHz	50	g	full accessibility

⁽¹⁾ Band shared with other users.

PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
- Reserved Frequencies -

MARITIME MOBILE SERVICE (SMM)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
156 - 174 MHz (Appendix 18 of the RR)	NO	25 kHz simplex	26	g	full accessibility
	NO	25 kHz duplex	33	g	full accessibility

AERONAUTICAL MOBILE SERVICE (SMA)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
3400 - 3500 kHz	NO	3 kHz	(1)	g	full accessibility
5480 - 5680 kHz	NO	3 kHz	(1)	g	full accessibility
8815 - 8965 kHz	NO	3 kHz	(1)	g	full accessibility
11275 - 11400 kHz	NO	3 kHz	(1)	g	full accessibility
13260 - 13360 kHz	NO	3 kHz	(1)	g	full accessibility
17900 - 17970 kHz	NO	3 kHz	(1)	g	full accessibility
117.975 - 137 MHz	NO	25 kHz	(1)	g	full accessibility
143.9 - 144 MHz ⁽²⁾	NO	12.5 kHz simplex	(1)	n	full accessibility

(1) Band shared with other users

(2) Sport and recreational free flight and engineless ultralights and hang gliders.

**PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
- Reserved Frequencies -**

AERONAUTICAL RADIONAVIGATION SERVICE (SRA)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
255 - 283.5 kHz	NO	(1)	(2)	g	full accessibility
283.5 - 315 kHz	NO	(1)	(2)	g	full accessibility
315 - 325 kHz	NO	(1)	(2)	g	full accessibility
325 - 405 kHz	NO	(1)	(2)	g	full accessibility
415 - 435 kHz GE-85	NO	1 kHz	(2)	g	full accessibility
74.8 - 75.2 MHz	NO	(1)	1	g	full accessibility
108 - 117.975 MHz	NO	(1)	(2)	g	full accessibility
328.6 - 335.4 MHz	NO	(1)	(2)	g	full accessibility
960 - 1350 MHz	NO	(1)	(2)	g	full accessibility
2700 - 2900 MHz	NO	(1)	(2)	g	full accessibility
2900 - 3100 MHz	NO	(1)	(2)	g	full accessibility
4200 - 4400 MHz	NO	(1)	(2)	g	full accessibility
5000 - 5150 MHz	NO	(1)	(2)	g	full accessibility
5150 - 5250 MHz	NO	(1)	(2)	g	full accessibility
9000 - 9200 MHz	NO	(1)	(2)	g	full accessibility
9300 - 9500 MHz	NO	(1)	(2)	g	full accessibility
15.4 - 15.7 GHz	NO	(1)	(2)	g	full accessibility

(1) Not applicable

(2) Band shared with other users

PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
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MARITIME RADIONAVIGATION SERVICE (SRM)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
283.5 - 315 kHz	NO	0.5 kHz	(2)	g	full accessibility
5470 - 5600 MHz	NO	(1)	(2)	g	full accessibility
5600 - 5650 MHz	NO	(1)	(2)	g	full accessibility
9300 - 9500 MHz	NO	(1)	(2)	g	full accessibility

RADIOLOCATION SERVICE (SR)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
2700 - 2900 MHz	NO	(1)	(2)	g	full accessibility
2900 - 3100 MHz	NO	(1)	(2)	g	full accessibility
5725 - 5830 MHz	NO	(1)	(2)	g	full accessibility
5830 - 5850 MHz	NO	(1)	(2)	g	full accessibility
59 - 64 GHz	NO	(1)	(2)	g	full accessibility

(1) Not applicable

(2) Band shared with other users

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METEOROLOGICAL AID SERVICE					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
5600 - 5650 MHz	NO	(1)	(2)	g	full accessibility

PERSONAL RADIO SERVICE - CITIZEN BAND (CB)					
Frequency Band	Required rights of use	Type of channel Exploration Mode	No. of Shared Use channels	Scope of Use	Allocation procedure
26965 - 27405 kHz	NO	10 kHz Simplex	40	n	full accessibility

AMATEUR SERVICE (AM)					
Frequency Band	Required rights of use	Type of channel Exploration Mode	No. of Shared Use channels	Scope of Use	Allocation procedure
(3)	NO	(3)	YES	g	(3)
135.7 - 137.8 kHz	NO	(1)	YES	g	Category A
7100 - 7200 kHz	NO	(1)	YES	g	Category A
50 - 50.5 MHz	NO	(1)	YES	g	Category A

AMATEUR-SATELLITE SERVICE (AM-S)					
Frequency Band	Required rights of use	Type of channel Exploration Mode	No. of Shared Use channels	Scope of Use	Allocation procedure
(3)	NO	(3)	YES	g	(3)

(1) Not applicable.

(2) Band shared with other users.

(3) Frequency bands and transmission classes assigned in accordance with the terms of Administrative Rule no. 322/95 of 17 April.

(3) Frequency bands and transmission classes assigned in accordance with the terms of Administrative Rule no. 322/95 of 17 April.

**PUBLICLY AVAILABLE ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES
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FIXED SATELLITE SERVICE (SFS)					
Frequency Band	Required rights of use	Type of channel	No. of Shared Use channels	Scope of Use	Allocation procedure
3800 - 4200 MHz Downlink	NO	(1)	(2)	g	full accessibility
5725 - 5830 MHz Uplink	NO	(1)	(2)	g	full accessibility
5830 - 5850 MHz Uplink	NO	(1)	(2)	g	full accessibility
5850 - 5925 MHz Uplink	NO	(1)	(2)	g	full accessibility
5925 - 6425 MHz Uplink	NO	(1)	(2)	g	full accessibility
7300 - 7450 MHz Downlink	NO	(1)	(2)	g	full accessibility
7450 - 7550 MHz Downlink	NO	(1)	(2)	g	full accessibility
8025 - 8175 MHz Uplink	NO	(1)	(2)	g	full accessibility
8175 - 8215 MHz Uplink	NO	(1)	(2)	g	full accessibility
8215 - 8400 MHz Uplink	NO	(1)	(2)	g	full accessibility
10.7 - 10.95 GHz ⁽³⁾ Downlink	NO	(1)	(2)	g	full accessibility
10.95 - 11.2 GHz Downlink	NO	(1)	(2)	g	full accessibility
11.2 - 11.45 GHz ⁽³⁾ Downlink	NO	(1)	(2)	g	full accessibility
11.45 - 11.7 GHz Downlink	NO	(1)	(2)	g	full accessibility
12.5 - 12.75 GHz Downlink	NO	(1)	(2)	g	full accessibility
12.75 - 13.25 GHz ⁽³⁾ Uplink	NO	(1)	(2)	g	full accessibility
14 - 14.5 GHz Uplink	NO	(1)	(2)	g	full accessibility
17.3 - 18.1 GHz ⁽⁴⁾ Uplink	NO	(1)	(2)	g	Full accessibility
17.3 - 17.7 GHz ⁽⁵⁾ Downlink	NO	(1)	(2)	g	Full accessibility
19.7 - 20.2 GHz ⁽⁵⁾ Downlink	NO	(1)	(2)	g	full accessibility
27.5 - 27.82 GHz ⁽⁵⁾ Uplink	NO	(1)	(2)	g	full accessibility
28.45 - 28.94 GHz ⁽⁵⁾ Uplink	NO	(1)	(2)	g	full accessibility
29.46 - 30.0 GHz ⁽⁵⁾ Uplink	NO	(1)	(2)	g	full accessibility

(1) Not applicable

(2) Band shared with other users

(3) Appendix 30B

(4) Appendix 30A.

(5) HDFSS.