



Ministry of Enterprises and Made in Italy

GENERAL DIRECTORATE FOR ELECTRONIC COMMUNICATION, BROADCASTING AND POSTAL SERVICES
DIVISION I "ELECTRONIC COMMUNICATIONS FOR PUBLIC AND PRIVATE USE. NETWORK SECURITY AND COMMUNICATIONS
PROTECTION. MEDIA AND MINORS COMMITTEE"



GUIDELINES FOR TEMPORARY GENERAL AUTHORIZATIONS

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1. INTRODUCTION

1.1 Offices involved in MIMIT (Ministry for Enterprises and Made in Italy):

- D.G.S.C.E.R.P. -Directorate General of Electronic Communications, Broadcasting and Postal Services - *Division I - Territorial Inspectorates*;
- D.G.T.C.S.I.-I.S.C.T.I. Directorate General for Communications Technology and Information Security. Higher Institute of Communications and Information Technology - *Division VII*;

1.2 Temporary general authorizations

For operating temporary electronic communication networks and services (private use frequencies) for a period of less than one year, Italian Law foresees the granting of the following temporary authorizations:

- I. Temporary General Authorization with assignment of specific individual rights to use frequencies;
- II. Temporary General Authorization for the use, on unlicensed bands, of low-power and/or short-range devices (for example wireless microphones) complying with CEPT ERC/REC 70-03 recommendations granted after technical evaluation.

THE GRANT OF TEMPORARY GENERAL AUTHORIZATION IS SUBJECT TO THE PAYMENT OF FEES AND/OR ADMINISTRATIVE CHARGES

THE USE OF FREQUENCIES WITHOUT AUTHORIZATION IS SANCTIONED WITHIN THE MEANING OF ARTICLE 102 OF THE ELECTRONIC COMMUNICATION CODE (CCE)

IT IS NECESSARY TO SEND THE REQUEST PREFERABLY AT LEAST 15 DAYS BEFORE THE DAY ON WHICH YOU INTEND TO USE THE FREQUENCIES, IN ORDER TO ALLOW FOR THE RADIOELECTRIC EXAMINATION AND THE NECESSARY COORDINATION WITH THE FREQUENCY BAND OPERATORS.



2. HOW TO APPLY FOR TEMPORARY GENERAL AUTHORIZATION (PRIVATE USE OF FREQUENCIES)

2.1 Application form

➤ **WITH FREQUENCY RIGHTS**

Complete and sign the "PRIVATE USE TEMPORARY FREQUENCY" application form, by entering the required administrative data (first page) and completing one technical data sheet (second page) for each radio link requested.

The application form is available on the Ministry's website:

<https://www.mimit.gov.it/index.php/it/comunicazioni/servizi-alle-imprese/autorizzazioni-temporanee-uso-frequenze>

➤ **WITHOUT FREQUENCY RIGHTS FOR USE OF WIRELESS MICROPHONES on unlicensed band** (see point 4.2 letter b)

Please complete and sign the "WIRELESS MICROPHONE SRD TEMPORARY USE" application form, by entering the required administrative data (first page) and specifying the technical characteristics of each equipment in the second part of the form available on the Ministry's website:

<https://www.mimit.gov.it/index.php/it/comunicazioni/servizi-alle-imprese/autorizzazioni-temporanee-uso-frequenze>

2.2 Submit the application form

Please submit the form, completed in all its parts, to the email address: frq.temp@mise.gov.it

WARNINGS:

- **Indicate an additional email address on the application form;**
- **All your communication shall include the identification number (for example ID: TEMP/year/nr) that the Ministry assigns you as soon as it receives your request.**



3.FEES AND CHARGES DUE AND METHODS OF PAYMENT

3.1 Fees for the most common radio link types (according to Annex 25 of Legislative Decree No. 259 of 01/08/2003):

Temporary General Authorization with the right to use frequencies <u>fees indicated are for any 15-day use period or fraction-total fee will be calculated according to the service time needed</u>
€ 300,00 for the use of a channel (as described in paragraph 4.1) with one or two frequencies above 30 MHz, a bandwidth up to 12.5 kHz, for link length up to 15 km;
€ 600,00 for the use of a channel (as described in paragraph 4.1) with one or two frequencies above 30 MHz, bandwidth over 12.5 kHz and up to 25 kHz, for link length up to 15 km
€ 630,00 for the use of radio camera and/or equipment ancillary to broadcasting and production (v. 4.3) which engage a unidirectional channel from 1 GHz up to 10 GHz, with bandwidth less or equal to 7 MHz, for link length up to 15 km;
€ 720,00 for the use of radio camera and/or equipment ancillary to broadcasting and production (v. 4.3) which engage a unidirectional channel from 1 GHz up to 10 GHz, with bandwidth over 7 MHz and up to 14 MHz, for link length up to 15 km;
€ 810,00 for the use of radio camera and/or equipment ancillary to broadcasting and production (v. 4.3) which engage a unidirectional channel from 1 GHz up to 10 GHz, with bandwidth over 14 MHz and up to 28 MHz, for link length up to 15 km;
€ 250,00 for wide-band audio link ancillary to broadcasting, with use of maximum equivalent radiated power rails (e.r.p.) not more than 5W engaging a frequency over 30 MHz and up to 1000 MHz, with a 100 kHz bandwidth and a link length up to 15 km (see point 4.2 letter. a)
€ 500,00 for wide-band audio link ancillary to broadcasting, with use of maximum equivalent radiated power rails (e.r.p.) not more than 5W engaging a frequency over 30 MHz and up to 1000 MHz with a 200 kHz bandwidth and a link length up to 15 km (see point 4.2 letter. a)

General Authorizations for the use of professional wireless microphones with e.r.p. power up to 50mW operating on unlicensed frequencies for less than one year (see point 4.2 letter b)
€ 50,00 for 1 to 5 devices
€ 70,00 for 6 to 10 devices
€ 140,00 for 11 to 15 devices
€ 200,00 for 16 to 100 devices
€ 300,00 for more than 100 devices

3.2 Methods of payment

The Ministry informs user of the exact amount due for Temporary General Authorization.

➤ **Payment in Italy:**

Bank transfer address to "TESORERIA PROVINCIALE DELLO STATO DI VITERBO" – IBAN code: IT08 C076 0103 2000 00011026010, indicating in payment description the identification number (ID) assigned to the application.

➤ **Payments from abroad:**

Bank transfer in euro currency address to "TESORERIA PROVINCIALE DELLO STATO DI VITERBO" code BIC / SWIFT: BPPIITRRXXX – IBAN code: IT08 C076 0103 2000 00011026010, indicating in payment description the identification number (ID) assigned to the application.

4. TECHNICAL SPECIFICATIONS TO SUBMIT FREQUENCY REQUEST (PRIVATE USE) - RECOMMENDATIONS

4.1 Frequencies allocated to the land mobile radio service (arts. 4 and 5 of D.M.162 / 1997):

- I. Frequency assignments to land mobile service stations operating in simplex with one frequency must be made using the frequencies listed in the following bands (current bandwidth is 12,5 kHz):

a. VHF band:

44.6 - 45 MHz

160.0125 – 160.6000 MHz

164.6125 – 165.3875 MHz

169.4000 – 169.9875 MHz

In addition to the above mentioned bands, radio links operating in one simplex frequency (values in MHz) shall also engage the following reserved frequencies:

1) 156.2875 156.3000; 156.3125 156.3625 156.3750; 156.3875; 156.4000;
156.4125; 156.4250; 156.4375; 156.4500; 156.4675; 156.4750; 156.4875;
156.5000; 156.5250; 156.5500; 156.5625; 156.5750; 156.5875; 156.6000;
156.6125; 156.6250; 156.6375; 156.6500; 156.6625; 156.6750; 156.6875;
156.7000; 156.7125; 156.7250; 156.7375; 156.7500; 156.7625 156.7750;
156.8250; 156.8375 156.8500; 156.8625; 156.8500;

2) 160.8875 160.9000; 160.9125; 160.9625; 160.9750; 160.9875; 161.0000;
161.0250; 161.0375; 161.0500; 161.0625; 161.0750; 161.1000; 161.1250;
161.1375; 161.1500; 161.1625; 161.1750; 161.1875; 161.2000; 161.2125;
161.2250; 161.2375; 161.2500; 161.2625; 161.2750; 161.2875; 161.3000;
161.3125; 161.3250; 161.3375; 161.3500; 161.3625; 161.3750; 161.3875;
161.4000; 161.4125; 161.4250; 161.4375; 161.4500; 161.4675; 161.4750;



b. UHF band:

440.0000 - 442.9875 MHz
445.0000 – 445.9875 MHz
450.3875 – 450.5000 MHz
460.3875 – 460.5000 MHz

II. Frequencies for land mobile service stations operating in duplex or simplex with two frequencies must be allocated using frequencies of the following bands (current bandwidth is 12.5 kHz):

a. VHF band:

- emissions from mobile stations:

39 - 40 MHz
156.0250 – 156.2750 MHz
156.3250 – 156.3500 MHz
156.8875 – 160.0000 MHz
165.4000 – 166.2125 MHz
167.2250 – 169.3875 MHz

- emissions from base stations or repeaters:

43.6 - 44.6 MHz
160.6125 – 160.8750 MHz
160.9250 – 160.9500 MHz
161.4875 – 164.6000 MHz
170.0000 – 170.8125 MHz
171.8250 – 173.9875 MHz

b. UHF band

fix service:

436.2125 – 439.9875 MHz
446.2125 – 449.9875 MHz

mobile service:

- emissions from mobile stations:

450,0125 - 450,3750 MHz
450,5125 - 459,9875 MHz

- emissions from base stations or repeaters:

460,0125 - 460,3750 MHz
460,5125 - 469,9875 MHz

It must be noted that applications for requested frequencies in other different bands can also be positively accepted. However, it will be necessary to previously coordinate with the other related band managing Administrations (i.e. Ministry of Defence) or with users of the frequencies in question.

The following frequency bands: 148 – 156 MHz, 166.2250 – 167.2125 MHz, 170.8250 – 171.8125 MHz and the 410 - 430 MHz, are managed by the Ministry of Defense, the assignment of frequencies in these bands are subject the obtaining an agreement by the Ministry of Defense. Due to the long process of coordination, it is necessary to receive the request for authorization at least **30 days in advance** to the start date of temporary use, otherwise the release of the authorization will be not guarantee.

In the case of no agreement from the Ministry of Defense, to avoid wasting time, would be appreciable to receive also a set of alternative frequencies in different bands that will be assigned directly by the Ministry of Enterprises and Made in Italy.

4.2 AUDIO LINKS ANCILLARY TO BROADCASTING

In Italy frequency bands from 174 to 223 MHz and from 470 MHz to 694 MHz are intended, as a primary service, for digital broadcasting.

However, the use of professional radio microphones, SRD and equipment for broadband audio links, and all wireless audio equipment for making programs and special events (PMSE), is permitted under the same bands, as secondary status.

Therefore, for these latter services, should user needs the right to use frequencies, it is necessary to undertake a prior analysis on radio-electric panorama of the involved area in order to avoid harmful interference to the primary services and avoiding to be interfered as much as possible.

- a) Devices ancillary to broadcasting for temporary wide band audio link with a maximum effective radiated power (ERP) of not more than 5 W, complying to the technical standard ETSI EN 300 454, are subject to the General Authorization system with the grant of the individual right of frequency use operating in the bands 174-223 MHz and 470-694 MHz, and in 694 – 698 MHz and 736 – 738 MHz, (within the meaning of art. 104, paragraph 1, letter a) number 1) of the Electronic Communications Code and as specified in note 87A and 87B of the National Plan of Frequencies Allocation). Stations of this service shall not cause harmful interference to the broadcasting service, nor claim protection from it.

Suggested frequencies (in MHz) to facilitate coordination:

478	486	494	502	510	518	526	534	542	550
558	566	574	582	590	598	606	614	622	630
638	646	654	662	670	678	686	694		

There could be problems in identifying usable frequencies for the aforesaid purposes. Therefore, the request of frequencies must be received, if possible, 15 days before the date of use.

- b) **Professional wireless microphones**, using unlicensed frequencies (**without protection rights**) in the bands 174-223 MHz and 470-694 MHz, in 694 – 698 MHz and 736 – 738 MHz, in 823-832 MHz and 1785-1805 MHz, with a maximum radiated power

(e.r.p.) not exceeding 50Mw, complying with CEPT ERC/REC recommendation 70-03 - Annex 10, are subject to the General Authorization system under Article 104, paragraph 1, letter c), number 2.3) of the Electronic Communications Code, as detailed in note 87A of the National Plan of Frequencies Allocation. The above mentioned devices are not subject to the right to use a specific frequency provided they meet the technical standard ETSI EN 300 422 and comply with what indicated in the interface 10 of the Decree of 23 September 2010 entitled "Technical specifications of the radio interface"

Finally 863 – 865 MHz band and 1795 – 1800 MHz band can be used for collective use by short-range devices intended for audio systems, with continuous transmission or with a high operating cycle, having the technical characteristics of the recommendation CEPT ERC/REC 70-03 (annex 10) maximum power e.r.p 10 mW.

As specified in note 110 and 141 of the National Plan of Frequencies Allocation (P.N.R.F.), these applications fall within the "free use" regime pursuant to art. 105, paragraph 1, letter k) of the legislative decree 1st of August 2003 n. 259, containing the Code of electronic communications.

4.3 Video link assisting broadcasting and production

In the National Plan of Frequencies Allocation (P.N.R.F.) temporary video links ancillary to broadcasting and production services (referred to as SAB and SAP) are permitted as secondary status in the frequency bands range reserved for other primary services. Therefore the use of frequencies for temporary links is subject to prior and positive coordination with the primary users, including Ministry of Defence, for not causing interference to the primary services and avoiding to be interfered as much as possible.

There could be problems in identifying usable frequencies for the aforesaid purposes.

Therefore, the request of frequencies must be received, if possible, 30 days before the date of use.

Frequency bands provided

For temporary video links ancillary to broadcasting and production services (i.e. radio camera), frequencies shall be requested in the following bands (in MHz):

2010,0000 ÷ 2025,0000
2040,0000 ÷ 2110,0000
2215,0000 ÷ 2500,0000
3100,0000 ÷ 3435,0000
3500,0000 ÷ 3535,0000
5850,0000 ÷ 7500,0000
10000,0000 ÷ 10680,0000
11700,0000 ÷ 12,500,0000

Such applications are subject to the "general authorization" regime under Article 104, Paragraph 1(c) Number 2.3) of the Electronic Communications Code, enacted by Legislative Decree No. 259 of August 1, 2003, as amended.

5.SHORT EQUIPMENT SRD (short range devices)

Short Range Devices (SRD) are radio transmitters with unidirectional or bidirectional communications over a short distance at a low power, using the unlicensed spectrum, without any protection right and on a basis of non-interference to the radio communication services. These are mainly free of use.

These applications must be complied with the technical characteristics of CEPT ERC/REC 70-03 recommendations (technical assessment by D.G.T.C.S.I. – I.S.C.T.I. – Division VII).

6. REFERENCE STANDARDS

Main reference standards:

- August 1, 2003 Decree n. 259 and subsequent amendments, CCE- Electronic Communications Code;
- D.M. August 31, 2022 - National Plan for the Allocation of Frequencies;
- D.M. April 17, 1997 n. 162 "Amendment to the Ministerial Decree of 21 February 1986 concerning the rules for private mobile radio links";
- D.M. September 23, 2010 "Changing the Decree of 10 January 2005 establishing the technical specifications of the regulated radio interfaces";
- D.M. November 4, 2010 - Information on the use of radio spectrum - short range equipments (SRD);
- DIRECTIVE 2014/53 / EU on the harmonization of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

In case of major events or in order to ensure the management and an efficient and harmonized use of spectrum, it is faculty of MIMIT to make any derogations to these guidelines, in respect with the national and international existing regulatory framework.



The cabin of Marconi Elettra motorboat rebuilt inside the Telecommunications Museum