



MINISTERO DELLO
SVILUPPO ECONOMICO

Directorate General of Electronic Communications, Broadcasting and Postal Services (DGSCERP)
Division II Electronic Communications for public and private use. Network Security and Communications Protection



GUIDELINES

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1. INTRODUCTION

Offices involved in MISE (Ministry for Economic Development):

DGSCERP -Directorate General of Electronic Communications, Broadcasting and Postal Services - Division II

DGPGSR -Directorate General of Planning and Radio Spectrum Management - Divisions III and IV

DGAT -Directorate General of Territorial Activities

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 recommendation 70-03 -Annex 10 - granted after technical evaluation.

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

NOTE: THE USE OF FREQUENCIES WITHOUT AUTHORIZATION IS SANCTIONED within the meaning of Article 102 of the Electronic Communication Code (CCE)

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

FILL IN THE APPLICATION FORM

➤ WITH FREQUENCY RIGHTS

Please complete and sign the " FREQUENCY TEMPORARY PRIVATE USE" application form by filling in one technical data sheet (2nd page) for each radio link requested.

The application form is available on the Ministry's website: www.sviluppoeconomico.gov.it

➤ 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 specifying the technical characteristics of each equipment in the second part of the form available on the Ministry's website: www.sviluppoeconomico.gov.it

SUBMIT THE APPLICATION FORM

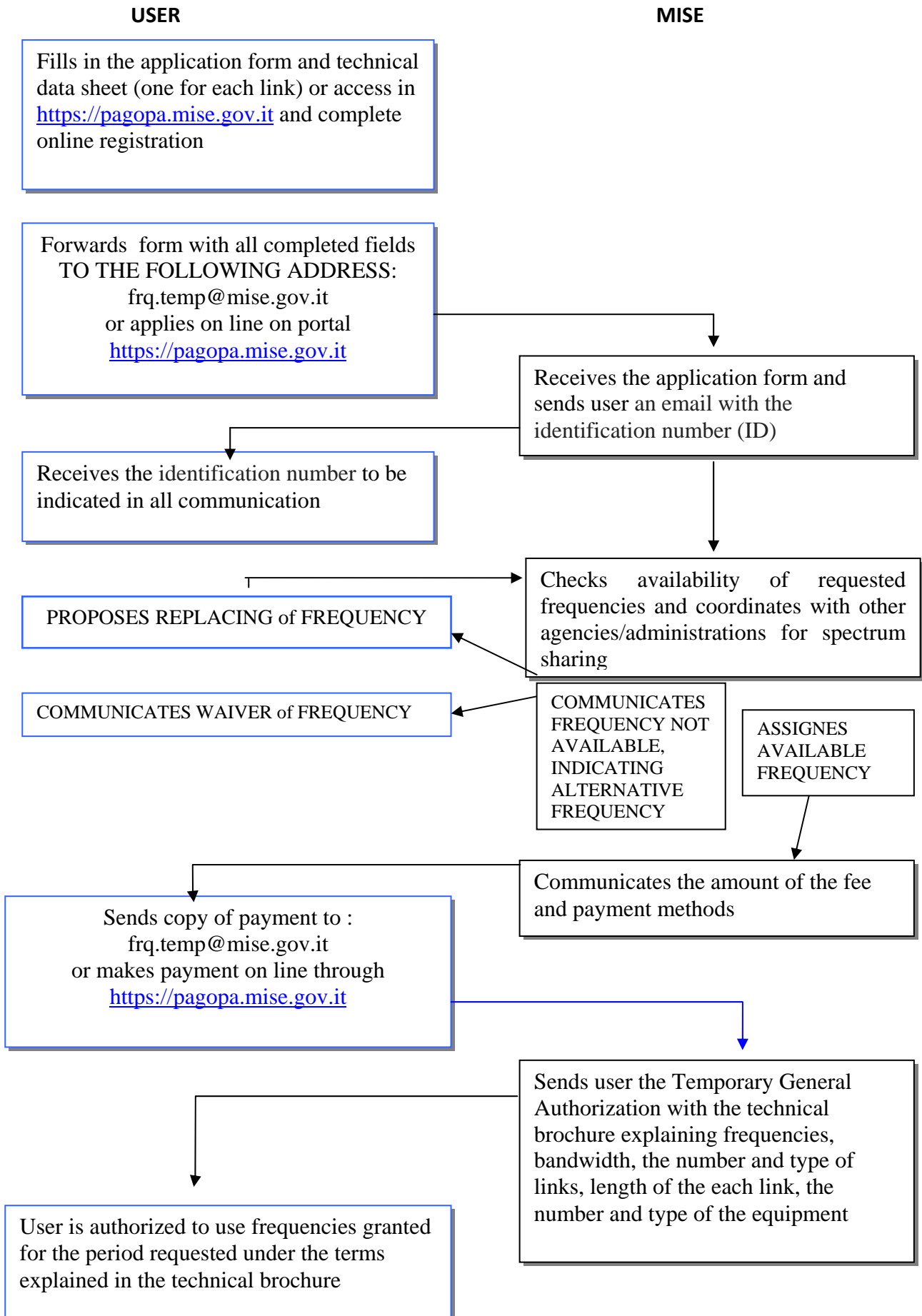
Please submit the form, completed in all its parts, to the email address: frq.temp@mise.gov.it

Alternatively, you can fill in and submit the application online (after registering on the website <https://pagopa.mise.gov.it>). Please find instructions for the procedure and for payment of fees on the website.

WARNINGS

- **Possibly send us the application form 15 days before the day you are going to use frequencies**
- **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.**

Procedure flow chart for obtaining Temporary General Authorization (private use):



3. FEES AND CHARGES DUE AND METHODS OF PAYMENT

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

Temporary General Authorization with the right to use frequencies
<i>fees indicated are for any 15-day use period or fraction-total fee will be calculated according to the service time needed</i>
euro 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;
euro 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
euro 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;
euro 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;
euro 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;
euro 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)
euro 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 to use devices operating on unlicensed frequencies for less than one year
euro 50,00 for 1 to 5 wireless microphones SRD with e.r.p. up to 50mW (see point 4.2 letter. b)
euro 70,00 for 6 to 10 wireless microphones SRD with e.r.p. up to 50mW (see point 4.2 letter. b)
euro 140,00 for 11 to 15 wireless microphones SRD with e.r.p. up to 50mW (see point 4.2 letter. b)
euro 200,00 for 16 to 100 wireless microphones SRD with e.r.p. up to 50mW (see point 4.2 letter b)

METHODS OF PAYMENT

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

PAYMENT IN ITALY

Postal order to postal account n. 11026010 (or by bank transfer IBAN code IT 08 C 07601 03200 000011026010) addressed to: "Tesoreria Provinciale dello Stato di Viterbo", indicating in the description field the identification number (ID) assigned to the application.

PAYMENTS FROM ABROAD

Bank transfer 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.

ONLINE PAYMENT

Online payment by credit card or bank transfer is available on the website <https://pagopa.mise.gov.it> prior to online registration and Temporary General Authorisation application .

Please find instructions for the procedure and for payment of fees on the website.

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)

- Frequency assignments to land mobile service stations operating in simplex with one frequency must be made using the frequencies listed in the following bands:
 - a. band VHF
 - 44,6 - 45 MHz
 - 160 - 160,600 MHz
 - 164,600 - 165,400 MHz
 - 169,400 - 170 MHzIn addition to the above mentioned bands, radio links operating in one simplex frequency (values in MHz) shall also engage the following reserved frequencies:
 - 1)
 - 156,3000; 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; 156,7250; 156,7125; 156,7375; 156,7500; 156,8500; 156,8625; 156,8750
 - 2)
 - 160,9000; 160,9750; 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. band UHF
 - 440 - 443 MHz
 - 445 - 446 MHz
 - 450,38125 - 450,50625 MHz
 - 460,38125 - 460,50625 MHz
- Frequencies for land mobile service stations operating in duplex or simplex with two frequencies must be allocated using frequencies of the following bands:
 - a. band VHF
 - emissions from mobile stations
 - 39 - 40 MHz
 - 156 - 160 MHz
 - 165,400 - 165,5125 MHz
 - 167,2125 - 169,400 MHz
 - emissions from base stations or repeaters
 - 43,6 - 44,6 MHz
 - 160,600 - 164,600 MHz
 - 170 - 170,1125 MHz
 - 171,8125 - 174 -MHz
 - b. band UHF
 - emissions from mobile stations
 - 450,0000 - 450,38125 MHz
 - 450,50625- 450,76250 MHz
 - 455,00000 - 459,98750 MHz
 - - emissions from base stations or repeaters
 - 460,00000 - 460,38125 MHz
 - 460,50625 - 460,76250 MHz
 - 465,00000 - 470,00000 MHz

It must be noted that applications for frequencies requested 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.

4.2 AUDIO LINKS ANCILLARY TO BROADCASTING

In Italy frequency bands from 174 to 223 MHz and from 470 MHz to 790 MHz are intended, as a primary service, for digital broadcasting.

However, the use of professional radio microphones SRD and equipment for broadband audio links 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 470-790 MHz (within the meaning of art. 104, paragraph 1, letter a) number 1) of the Electronic Communications Code and as specified in note 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	702	710
718	726	734	742	750	758	766	774	782	

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 470-790 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"

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 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, 15 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

3500,0000 ÷ 3600,0000

5850,0000 ÷ 7125,0000

10000,0000 ÷ 10680,0000

21200,0000 ÷ 21400,0000

22768,0000 ÷ 23150,0000

5. SHORT EQUIPMENT SRD (short range devices)

Short Range Devices (SRD) are radio transmitters broadcasting 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.

They are mainly of free use.

6. MAIN REGULATIONS

- August 1, 2003 Decree n. 259 and subsequent amendments, CCE- Electronic Communications Code;
- D.M. May 27, 2015 - 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

At major events or to ensure the management and an efficient and harmonized use of spectrum, it is faculty of MISE 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