



Czech Telecommunication Office
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Prague, 15 May 2018
Ref.: ČTÚ-12 393/2018-613

On the basis of public consultation under Section 130 of the Act No. 127/2005 Coll., on electronic communications and on amendment to certain related acts (the Electronic Communications Act), as amended (hereinafter “the Act”) and under of the Act No. 500/2004 Coll., the Administrative Regulations, as amended, and on the basis of the decision of the Council of the Czech Telecommunications Office (hereinafter “the Office”) under Section 107(9)(b)(2) of the Act, and in order to implement Section 9 and 12 of the Act, the Office as the appropriate state administration body under Section 108(1)(b) of the Act hereby issues this Measure of General Nature

General Authorisation No. VO-R/2/05.2018-5
for the use of radio frequencies and for the operation of the stations of wireless local information systems (BMIS) in the 70 MHz frequency band

Article 1
Introductory provision

The apparatus operating conditions^{1), 2)} relating to the use of radio frequencies and the operation of transmitting radio equipment of the land mobile service and the fixed service constituting part of the wireless local information systems (BMIS) in the 70 MHz frequency band (hereinafter “the stations”) by natural or legal persons (hereinafter “the user”), are laid down in the Act and in this General Authorisation under Section 10(1) of the Act.

Article 2
Specific Conditions

- (1) The specific conditions related to Section 10(1)(m) of the Act are as follows:
- a) the stations can only be operated for the purpose of the one-way transmission of the signal to notify natural and legal persons with regard to signal coverage in one built-up area (e.g. municipality, town, industrial zone),

¹⁾ Sections 73 and 74 of the Act.

²⁾ European harmonized standards referred to in Article 2, paragraph 1, letter b) applied on the basis of the act No. 90/2016 Coll., on the assessment of conformity of stated products when delivered to the market, and Government Decree No. 426/2016 Coll., on the assessment of conformity of radio equipment when delivered to the market.

b) the stations' technical parameters are as follows:

Frequencies used	Other conditions	Radiated power	Harmonized standard (ČSN ETSI EN)
67.6000; 67.8250; 67.9125; 68.2000; 68.6500; 69.0750; 70.6000; 70.8250; 70.9125; 71.2000; 71.6500; 72.0750 MHz	simplex analogue transmission with frequency or phase modulation of the signal	2 W e.r.p.	300 086 ³⁾ 300 219 ⁴⁾
67.9500; 68.2500; 70.9500; 71.2500 MHz	simplex digital transmission	2 W e.r.p.	300 113 ⁵⁾
80.9750; 81.1000; 81.1500; 81.2000; 81.2250; 81.2750; 81.3500; 81.3750 MHz	—	2 W e.r.p.	300 086 ³⁾ 300 113 ⁵⁾ 300 219 ⁴⁾

- c) the maximum occupied bandwidth of the transmission is 16 kHz upon the channel spacing 25 kHz or 11 kHz upon the channel spacing 12.5 kHz,
- d) the intensity of electromagnetic field at state borders is max. 6 dB μ V/m at a height of 10 m above the ground,
- e) when designing the BMIS and selecting the frequency, it is necessary to respect the announced BMIS stations already existing within a distance of up to 15 km, with which the new operation could interfere,
- f) the stations are operated on shared frequencies,
- g) in case the interference occurs among the users' stations, this interference is settled by users on the principle of mutual agreement. In case the agreement fails, the procedure based on Section 100 of the Act shall be applied, i.e. the protective measures will provide the user who announced the station causing the interference later,
- h) the stations shall not cause harmful interference to the stations of radiocommunication services operated on a primary basis which use the radio frequencies on the basis of an individual authorisation and shall not claim protection from harmful interference caused by these stations,
- i) the station can be neither electrically nor mechanically modified.

(2) The specific conditions related to Section 10(1)(p) of the Act are as follows:

- a) the user shall notify the Office on the prescribed form, (hereinafter "the registration form") that the station was put into operation, no later than one month after putting the station into operation, but no earlier than the station is put into operation, particularly:

³⁾ ČSN ETSI EN 300 086 – Electromagnetic Compatibility and Radio Spectrum Matters (ERM) – Land mobile service – Radio equipment with an internal or external RF connector intended primarily for analogue speech – Harmonised Standard covering the essential requirements of Article 3.2 of the Directive 2014/53/EU.

⁴⁾ ČSN ETSI EN 300 219 – Electromagnetic Compatibility and Radio Spectrum Matters (ERM) – Land mobile service – Radio equipment transmitting signals to initiate a specific response in the receiver – Harmonised Standard covering the essential requirements of Article 3.2 of the Directive 2014/53/EU.

⁵⁾ ČSN ETSI EN 300 113 – Electromagnetic Compatibility and Radio Spectrum Matters (ERM) – Land mobile service – Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Harmonised Standard covering the essential requirements of Article 3.2 of the Directive 2014/53/EU.

This is an unofficial translation. The legally binding text is the original Czech version.

1. name and registered address of the operator of the system,
 2. location of the station's antenna system, i.e. the name and address of the site, its geographical co-ordinates and altitude,
 3. height of the antenna system above the ground,
 4. transmission frequency,
 5. the station commissioning date,
- b) the Office shall publish the registration form pursuant to point a) on its website⁶⁾,
- c) for the purposes of Section 2(1)(e) and (g) the date on which the properly completed registration form is delivered to the Office is considered to be the date of the announcement of the station,
- d) the user shall notify the Office of the termination date of the station's operations within one month after final terminating the operation of the station.

Article 3 **Transitional Provisions**

The stations announced before 1 March 2010 in accordance with General Authorisation No. VO-R/2/03.2007-5, Article 2(2)(a) and put into operation no later than 31 March 2010 are considered as announced on the basis of this General Authorisation.

Article 4 **Final Provisions**

Also considered as a station complying with the Government Order No. 426/2016 Coll., on the assessment of conformity of radio equipment when delivered to the market is also station for which the Office decided about its approval or type recognition as the radio equipment in accordance with Section 10 of the Act No. 151/2000 Coll., on Telecommunications and on Amendment to Other Acts, as amended, provided that such a station was released to the market before 1 April 2003.

Article 5 **Repealing Provisions**

This is to repeal General Authorisation No. VO-R/2/01.2010-1, ref. 97 059/2009-613, from 13 January 2010, published in Issue 1/2010 of the Telecommunications Bulletin.

Article 6 **Effect**

This General Authorisation shall come into effect on 1 July 2018.

⁶⁾ <https://www.ctu/formulare>

Explanatory Memorandum

To implement Sections 9 and 12 of the Act, the Office issues General Authorisation No. VO-R/2/05.2018-5 for the use of radio frequencies and for operation of the stations of wireless local information systems (BMIS) in the 70 MHz frequency band (hereinafter “the General Authorisation”).

This General Authorisation is based on the principles set out in the Act, and also on the frequency plans and harmonisation objectives of the European Communities, and it replaces the former General Authorisation, which is repealed by Article 5 of this General Authorisation.

The General Authorisation is issued with no limitations of effect. In case there is a change to the circumstances on the basis of which the General Authorisation was issued, or there arises a need to adhere to the obligations arising from the Czech Republic’s membership in international organisations, or to ensure the defence and security of the country, the General Authorisation can be amended or cancelled in a manner according to the law.

Article 2 contains the conditions of operation of BMIS stations. These conditions are based on Directive No. 2014/53/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC, as well as on the requirements resulting from exercising radio spectrum administration.

After the issue of the General Authorisation No. VO-R/2/01.2010-1, the Office evaluated the situation regarding the operation of the BMIS stations as well as the situation in terms of the effectiveness of the use of radio spectrum in the band 66–87.5 MHz. Furthermore the Office received from users the incentives to modify the General Authorisation, particularly for reason of the lack of the free frequencies for BMIS systems in some localities. On the basis of these facts, the Office implemented, in compliance with of Section 12 of the Act, in this General Authorisation following modifications when compared the General Authorisation No. VO-R/2/01.2010-1:

1. In Article 2(1)(b), there were added the radio frequencies: 80.9750; 81.1000; 81.1500; 81.2000; 81.2250; 81.2750; 81.3500 and 81.3750 MHz. For these frequencies there is no designation whether they are set for analogue or digital transmission.
2. In Article 2(1)(c), the bandwidth modification of 10 kHz to 11 kHz was set in compliance with the conditions designated in the Radio Spectrum Utilisation Plan.
3. Formal modifications were implemented in accordance with the current praxis in relation to the publication of the General Authorisations. Due to the manner of unification of the practice for introduction of the harmonised standards with other currently released the General Authorisations, the details about the standards were moved from the footnote²) into Article 2(1)(b). In accordance with the current practice of reading the General Authorisations, the former provision in Article 2(1)(g) was amended and split to the letters g) and h) as well.

Article 3 that stipulates the transitional provisions for the change of manner of announcing the equipment is updated correspondingly in accordance with current practice on the basis of the General Authorisation No. VO-R/2/01.2010-1.

Article 4 sets down the conditions for possibility of the operation of equipment put on market before 1 April 2003.

Article 5 repeals the General Authorisation No. VO-R/2/01.2010-1.

This is an unofficial translation. The legally binding text is the original Czech version.

Article 6 sets down the effect of the General Authorisation according to Section 124(2) of the Act.

On the basis of Section 130 of the Act and in accordance with the Czech Telecommunication Office's Rules for Conducting Consultations at the Discussion Site, the Office published on 29 March 2018 a draft Measure of General Nature Part No. VO-R/2/xx.2018-y of the Radio Spectrum Utilisation Plan for the use of radio frequencies and for the operation of the stations of wireless local information systems (BMIS) in the 70 MHz frequency band together with a call for comments.

In the framework of the public consultation lasting one month, the Office received no comment in accordance with the Czech Telecommunication Office's Rules for Conducting Consultations at the Discussion Site. Beyond the framework of these comments, the Office received one input for discussion.

The input addresses demand for a higher regulation of the BMIS stations (the mandatory identification of reports, the used protocol,...). This demand could not be accepted because it exceeds the framework for the purposeful radio spectrum utilization and prevention of harmful interference according to Section 10(1)(m) of the Act. The implementation of subsequent regulations would represent unjustified burden for the operators of BMIS.

On behalf of the Council of the Czech
Telecommunication Office

Jiří Peterka
member of the Council
of the Czech Telecommunication Office
<signed>