

Prague, 7 November 2017
Ref.: ČTÚ-34 356/2017-619

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 Section 10 of the Act No. 500/2004 Coll., the Administrative Procedure Code, 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 16(2) 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

**Part No. PV-P/1/11.2017-9 of the Radio Spectrum Utilisation Plan
for the frequency band 146–174 MHz.**

Article 1
Introductory provision

This part of the Radio Spectrum Utilisation Plan sets down the technical characteristics and conditions of use of radio spectrum in the frequency band from 146 MHz to 174 MHz by radiocommunication services. This part of the Radio Spectrum Utilisation Plan is follow-up to the Common part of the Radio Spectrum Utilisation Plan¹⁾.

Part 1
General information on the frequency band

Article 2
Frequency bands

Band (MHz)	Current conditions		Future harmonisation ²⁾	
	Allocation	Utilisation	Allocation	Utilisation
146–148	MOBILE except aeronautical mobile (R)	Mobile networks	MOBILE	Mobile networks

¹⁾ Common part of the Radio Spectrum Utilisation Plan No. PV/10.2005-35, as amended.

²⁾ ERC Report 25: European Table of Frequency Allocations and Applications in the frequency range 8.3 kHz to 3000 GHz, rev. 2017.

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

148–149.9	MOBILE except aeronautical mobile (R) MOBILE-SATELLITE (Earth-to-space) ³⁾	LEO satellites Mobile networks	MOBILE MOBILE SATELLITE (Earth-to-space) ³⁾	LEO satellites Mobile networks
149.9– 150.05	MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space)	LEO satellites Radionavigation	MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space)	LEO satellites Mobile networks
150.05–153	MOBILE except aeronautical mobile RADIO ASTRONOMY ⁴⁾	Mobile networks Radio astronomy	MOBILE except aeronautical mobile RADIO ASTRONOMY ⁴⁾	Mobile networks Radio astronomy
153–154	MOBILE except aeronautical mobile (R) Meteorological aids	Mobile networks Meteorological radiosondes MD	MOBILE except aeronautical mobile (R)	Mobile networks Meteorological radiosondes MD
154– 156.4875	MOBILE except aeronautical mobile (R)	Mobile networks Tracking the movement of dogs MD Communication of vessels	MOBILE except aeronautical mobile (R)	Mobile networks Tracking the movement of dogs MD Communication of vessels
156.4875– 156.5625	MARITIME MOBILE (distress and calling) ⁵⁾	Distress and calling DSC frequency 156.525 MHz	MARITIME MOBILE (distress and calling)	Distress and calling DSC frequency 156.525 MHz
156.5625– 156.7625	MOBILE except aeronautical mobile (R)	Mobile networks Communication of vessels	MOBILE except aeronautical mobile (R)	Mobile networks Communication of vessels

³⁾ In accordance with footnote 5.218 of the Radio Regulations the band is additionally allocated also to the space operation service (Earth-to-space) on a primary basis, subject to agreement obtained under procedure set down in provision No. 9.21 of the Radio Regulations.

⁴⁾ In accordance with footnote 5.149 of the Radio Regulations, users of the band 150.05–153 MHz shall take all practicable measures to protect the radio astronomy service.

⁵⁾ In accordance with footnote 5.227 of the Radio Regulations the bands 156.4875–156.5125 MHz and 156.5375–156.5625 MHz are also allocated to the fixed and land mobile services on a primary basis. The use of these bands by the fixed and land mobile services shall not cause harmful interference to nor claim protection from the maritime mobile VHF radiocommunication service.

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156.7625– 156.7875	MOBILE except aeronautical mobile MARITIME MOBILE	Communication of vessels Satellite AIS	MOBILE except aeronautical mobile MARITIME MOBILE	Communication of vessels Satellite AIS
156.7875– 156.8125	MARITIME MOBILE (distress and calling)	Distress and calling frequency 156.8 MHz	MARITIME MOBILE (distress and calling)	Distress and calling frequency 156.8 MHz
156.8125– 156.8375	MARITIME MOBILE Mobile-satellite (Earth- to-space)	Communication of vessels Satellite AIS	MARITIME MOBILE Mobile-satellite (Earth- to-space)	Communication of vessels Satellite AIS
156.8375– 161.9375	MOBILE except aeronautical mobile	Mobile networks Communication of vessels MD	MOBILE except aeronautical mobile	Mobile networks Communication of vessels MD
161.9375– 161.9625	MOBILE except aeronautical mobile Maritime mobile- satellite (Earth-to- space)	Mobile networks Communication of vessels Identification of vessels	MOBILE except aeronautical mobile Maritime mobile-satellite (Earth-to-space)	Mobile networks Communication of vessels Identification of vessels SAR ⁶⁾
161.9625– 162.9875	MOBILE except aeronautical mobile Mobile-satellite (Earth- to-space)	Mobile networks AIS1 161.975 MHz AIS2 162.025 MHz	MOBILE except aeronautical mobile	Mobile networks Satellite AIS AIS1 161.975 MHz AIS2 162.025 MHz
161.9875– 162.0125	MOBILE except aeronautical mobile Maritime mobile- satellite (Earth-to- space)	Mobile networks	MOBILE except aeronautical mobile Maritime mobile-satellite (Earth-to-space)	Mobile networks
162.0125– 162.0375	MOBILE except aeronautical mobile Maritime mobile- satellite (Earth-to- space)	Mobile networks	MOBILE except aeronautical mobile Mobile-satellite (Earth- to-space)	Mobile networks
162.0375– 174	MOBILE except aeronautical mobile	SRD MD	MOBILE except aeronautical mobile	SRD MD

Article 3 Frequency band characteristics

(1) Frequency band 146–174 MHz is designated for land mobile service mainly. Parts of the band are used for the maritime mobile service for communication on inland waterways. The mobile-satellite service, radio astronomy service and meteorological aids service have also allocation in the band.

(2) The use of the band in the Czech Republic in the past did not correspond to intentions on harmonised utilisation of the band in the European countries in accordance with

⁶⁾ The abbreviation is derived from Search and Rescue – application for coordinated search and rescue operations.

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ERC Report²⁾) and arrangement of sub-bands, according to the CEPT Recommendation⁷⁾). Completion of the harmonisation of band utilisation is currently in progress.

Article 4 International obligations

The provisions of the Radio Regulations⁸⁾ (hereinafter "RR") and its Appendix No. 18, which contains the VHF frequency band arrangement of the maritime mobile service, HCM Agreement⁹⁾ and RAINWAT Arrangement¹⁰⁾ apply to operation and coordination.

Part 2 Mobile service

Article 5 Current conditions in the mobile service

(1) The bands 146–149.9 MHz, 150.05–156.4875 MHz and 156.5625–174 MHz are allocated to the mobile except aeronautical mobile service. For new issued authorizations apply:

a) for simplex operation the sub-bands 146–146.8 MHz, 154.5–154.65 MHz, 160.975–161.475 MHz, 165.2–165.225 MHz and 169.4–169.825 MHz are designated;

b) for duplex operation the sub-bands 146.8–149.9 / 151.4–154.5 MHz, 150.05–151.4 / 154.65–156 MHz, 157.45–160.6 / 162.05–165.2 MHz and 165.225–169.4 / 169.825–174 MHz are designated. Duplex separation is 4.6 MHz, terminals transmit in lower sub-band and base stations transmit in the upper one;

c) channel separation is 12.5 kHz;

d) centre frequencies of radio channels are given by formula

$$f_n \text{ [MHz]} = (146 - 0.00625 + 0.0125n) + 0.00625,$$

where n is 1 up to 2239;

e) maximum e.r.p. is 10 W.

Proposed channel arrangement is based on CEPT Recommendation⁷⁾) and ERC Report²⁾).

(2) For nationwide mobile networks PMR/PAMR¹¹⁾) operated for purposes of railway transport, the sub-bands 148.2–149.05 MHz and 152.8–153.65 MHz are designated and the following shall apply

a) in the relevant sub-bands no new networks and links are permitted if they do not correspond to the described purpose. Within existing networks and links it is possible

⁷⁾ Recommendation CEPT/ERC T/R 25-08 – Planning criteria and coordination of frequencies in the land mobile service in the range 29.7–470 MHz.

⁸⁾ Radio Regulations, International Telecommunication Union, Geneva, 2016.

⁹⁾ HCM Agreement - Agreement between the Administrations of Austria, Belgium, the Czech Republic, Germany, France, Hungary, the Netherlands, Croatia, Italy, Liechtenstein, Lithuania, Luxembourg, Poland, Romania, the Slovak Republic, Slovenia and Switzerland on the co-ordination of frequencies between 29.7 MHz and 43.5 GHz for the fixed service and the land mobile service.

¹⁰⁾ RAINWAT - Regional Arrangement concerning the Radiotelephone Service on Inland Waterways, Bucharest, 2012, as amended.

¹¹⁾ Abbreviation PAMR stands for Public Access Mobile Radio (PMR network with access point to public networks).

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to carry out only such changes that do not constrain development of mobile PMR/PAMR networks operated for purposes of railway transport;

- b) only legal person, which is rail operator or railway transport operator pursuant to the special legal act¹²⁾ or which is managing the state property consisting the railway transport way¹³⁾ and which is granted by the individual authorization for radio frequencies utilisation, can be operator of the network;
- c) the Office can authorise the holder of individual authorization for the use of radio frequencies to carry out nationwide frequency planning in given sub-bands. The Office carries out the international frequency coordination and coordination with other users of frequencies on the basis of application submitted by the holder of individual authorization for the use of radio frequencies;
- d) in the sub-bands mentioned in paragraph 2, the simplex operation is also possible. In the simplex operation, the lower sub-band is preferably used by mobile stations, the upper sub-band is preferably used by base stations;
- e) operation of stations is possible on the basis of General Authorization¹⁴⁾.

(3) Frequencies 149.125 MHz, 149.25 MHz, 155.725 MHz and 156.15 MHz may be used for data communication¹⁵⁾ by portable stations using common frequency on basis of General Authorization¹⁶⁾. Maximum radiated power e.r.p. is 0.5 W, channel separation is 25 kHz.

(4) The band 149.9–150.05 MHz is possible to use on the basis of short-term authorization to use radio frequencies or on the basis of individual authorization to use radio frequencies for experimental purposes.

(5) Frequencies 149.2 MHz and 151.95 MHz are used by stations for data transmission¹⁵⁾. Maximum radiated power e.r.p. is 1 W. Existing networks and links with channel separation 25 kHz can be operated until their individual authorization will expire with the proviso that they are not changed for the purpose of their extension.

(6) Frequencies 151.275 MHz and 151.35 MHz are used for local paging, channel separation is 25 kHz.

(7) Frequencies 151.225 MHz, 151.65 MHz, 151.8 MHz, 151.875 MHz, 151.975 MHz and 152 MHz are used by stations for data transmission. Maximum radiated power is 10 W e.r.p. Existing networks and links with channel separation 25 kHz can be operated until their individual authorization will expire with the proviso that they are not changed for the purpose of their extension.

(8) Frequencies 151.4/155.9 MHz, 151.475/155.975 MHz, 151.55/156.05 MHz and 156.075/151.575 MHz are used in duplex operation by stations for data transmission¹⁵⁾. Duplex separation is 4.5 MHz, maximum radiated power e.r.p. is 10 W. Existing networks and links with channel separation 25 kHz can be operated until their individual authorization will expire with the proviso that they are not changed for the purpose of their extension.

¹²⁾ Act No. 266/1994 Coll., on railways, as amended.

¹³⁾ Act No. 77/2002 Coll., on the Czech Railways, joint stock company, the Railway Infrastructure Administration, state organisation and on amendment of Act No. 266/1994 Coll., on railways, as amended and of Act No. 77/1997 on State enterprise, as amended.

¹⁴⁾ General Authorisation No. VO-R/1/5.2017-2, as amended, for the operation the users' terminals of the radio networks of the electronic communications.

¹⁵⁾ Non-personal communication referred to also as data links, data stations, command stations, stations for transmission of data, M2M (machine-to-machine) and the like.

¹⁶⁾ General Authorisation No. VO-R/16/08.2005-28 for the use of radio frequencies and for the operation of equipment jointly operated on predetermined frequencies in the 27 MHz to 450 MHz band.

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(9) Frequency 155.45 MHz is used in simplex operation for the tracking the movement of dogs. The frequency is shared among stations. The frequency is used on the basis of General Authorisation¹⁷⁾ which sets down the specific conditions of the use of radio frequencies including technical parameters.

(10) Arrangement RAINWAT¹⁰⁾ refers to the use of frequencies within sub-bands 156–157.45 MHz, 160.6-160.975 MHz and 161.475-162.05 MHz. These frequencies are preferentially used by the maritime mobile service applications, described in Article 9 of this part of the plan. For the land mobile service networks apply:

- a) they shall not limit the implementation of applications of the maritime mobile service nor claim protection from them;
- b) for simplex operation is designated the sub-band 156.375–156.875 MHz;
- c) for duplex operation are designated the sub-bands 156–156.3625 / 160.6–160.9625 MHz and 156.8875–157.4375 / 161.4875–162.0375 MHz. Duplex separation is 4.6 MHz, in lower sub-band terminals transmit and in upper one base stations transmit;
- d) channel spacing, centre frequencies of the radio channels and maximal e.r.p. are defined according to Article 5(1)(c) to (e).

(11) Frequency 161.1375 MHz on regional level and frequency 161.2 MHz on nationwide level are designated exclusively for voice communication ensuring interoperability of medical emergency service organisations. The frequency modulation is used, whereas the single channel with analogue information is transferred.

(12) Frequencies 162.5 MHz, 164.425 MHz, 164.45 MHz, 167 MHz, 167.025 MHz and 168.825 MHz are used in simplex mode by stations for data transmission not later than 31 December 2017.

(13) Frequency 169.375 MHz is designated exclusively for voice communication in order to ensure the interoperability of fire protection units. The frequency modulation is used, whereas a single channel with analogue information is transferred.

(14) In the framework of European Union, the use of the sub-band 169.4–169.8125 MHz is harmonised on the basis of the Commission Decisions¹⁸⁾ for use by short range devices. Specific conditions of the use of radio frequencies including technical parameters are set down by General Authorization¹⁹⁾.

(15) Frequencies 170.475 MHz, 173.025 MHz and 173.1 MHz are used by stations for data transmission¹⁵⁾ and local paging. Existing networks and links with channel spacing 25 kHz can be operated until their individual authorization will expire with the proviso that they are not changed for the purpose of their extension.

(16) Frequencies 172.525 MHz, 172.575 MHz, 173.65 MHz and 173.95 MHz are used by short range devices for remote control of cranes, forest machines, railway trails and

¹⁷⁾ General Authorisation No. VO-R/25/11.2017-8 for the use of radio frequencies and for operation of the tracking equipment of movement of dogs.

¹⁸⁾ Commission Implementing Decision 2013/752/EU of 11 December 2013 amending Commission Decision 2006/771/EC on harmonisation of the radio spectrum for use by short-range devices and repealing Decision 2005/928/EC.

¹⁹⁾ General Authorization No. VO-R/10/11.2016-13 for the use of radio frequencies and for the operation of Short Range Devices.

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other machinery. Stations can be operated on the basis of General Authorization¹⁹). Maximum radiated power is 0.1 W e.r.p., channel spacing is 12.5 kHz.

(17) Frequencies 172.65 MHz, 172.725 MHz, 172.95 MHz, 172.975 MHz and 173.05 MHz may be used for voice communication by means of portable stations using common frequency on the basis of General Authorization¹⁶). Channel spacing is 12.5 kHz. Maximum radiated power of stations operated on frequencies:

- a) 172.65 MHz, 172.95 MHz and 172.975 MHz is 5 W e.r.p.;
- b) 172.725 MHz or 173.05 MHz is 1 W e.r.p.

(18) The frequency 173.3 MHz and the sub-band 173.965–174.015 MHz are used by wireless microphones, which may be operated on the basis of General Authorization¹⁹).

(19) For purposes of granting of the individual authorization, the Office uses following parameters:

- a) minimum useful intensity of electromagnetic field is 20 dB μ V/m;
- b) acceptable interfering intensity of electromagnetic field is 12 dB μ V/m;
- c) planning maximum effective height of antenna is 35 m;
- d) planning effective height of base station antenna is 10 m above terrain;
- e) planning height of mobile station antenna and terminal of remote control and signalisation above terrain is 3 m;
- f) nominal repeating distance of frequency raster is 90 km;
- g) maximum operational range is 20 km;
- h) in the case of the radio frequency in nationwide use the service area is described by centre with geographical coordinates 15 E 26 00 / 49 N 46 00 (WGS84 system²⁰) and radius of 250 km;
- i) unless otherwise stated, maximum e.r.p. is 10 W;
- j) maximum occupied bandwidth is 11 kHz for channel spacing 12.5 kHz, or 16 kHz for channel spacing 25 kHz;
- k) in the case of transponders (repeater stations) the higher frequency belongs to repeater station;
- l) in the case of transponders, the holder of individual authorization is obliged to prevent by adequate technical means the origin of harmful interference, which would happen by influence of extraordinary circumstances in propagation of electromagnetic waves;
- m) in the case of national coordination, the provisions of HCM Agreement are applied adequately;
- n) as the terminal for remote control and signalisation in networks designated for remote control and signalisation is considered such terminal stationary transmitting radio equipment, which transmits with duty cycle²¹) smaller than 1 % and at the same time the period of their single transmission does not exceed 1 s and their maximum e.r.p. does not exceed 10 W;

²⁰) Worldwide geodetic reference system 1984 described according to Section 2, letter f) of Decree No. 237/2007 Coll., (Decree on transfer data for purposes of distress calls).

²¹) Duty cycle enables sharing of systems operated in the same frequency range. It is defined by per cent expression of total of all time periods of transmissions on one carrier frequency during given period in relation to this period.

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- o) short data broadcast in order to establish the radio contact for stations using voice communication (selective calling) is not considered as transmission of data.

(20) Frequencies for ensuring and operation of common warning and notification system pursuant to special legal regulation²²⁾ are used with channel spacing of 25 kHz.

(21) For stations operated by user pursuant to Act²³⁾, simplex operation is also possible in the sub-bands described by Article 5(1)(b), whereas lower sub-band is preferentially used by mobile stations, upper sub-band is preferentially used by base stations. The use of frequencies in network of user pursuant to Act²³⁾ which do not comply with the conditions in article 5(1) is possible until 30 June 2018.

(22) For stations operated by user pursuant to Act²⁴⁾, the use of frequencies which do not comply with the conditions in article 5(1) is possible until 31 December 2020.

(23) The Office carries out the coordination between the civil and non-civil utilisation of the band.

Article 6

Information on future development in the mobile service

(1) Gradual harmonisation of band utilisation is assumed, depending on the termination of operation of equipment for which the operational conditions were set down on the basis of original planning parameters.

(2) Frequencies of the sub-bands 156–157.45 MHz, 160.6–160.975 MHz and 161.475–162.05 MHz will be preferentially used by the maritime mobile service applications pursuant to Article 9 and 10. Subject to not constrain implementation of the maritime mobile service applications the frequencies will be used also for communication related to ensuring of water transport, maintenance of water courses, water rescue service and for granting of short-term authorizations. The operation of other land mobile service networks will be, particularly with respect to international commitments, gradually terminated.

(3) The allocation to the mobile service in the sub-band 149.9–150.05 MHz is assumed on national level without terminating the allocation to the mobile-satellite service. In this case the change will be implemented in new version of National Table of Frequency Allocation.

(4) Release of the sub-bands of spectrum in relation with completion of transition to harmonized use of frequencies for purposes of railway transport is assumed.

Part 3

Fixed service

Article 7

Current conditions in the fixed service

In the Czech Republic the fixed service has no civil use in this band. Footnote of ERC Report²⁵⁾ mentions, that the fixed service in the band is limited to low-capacity fixed links in sparsely populated areas only. These links, similarly as links used for connection of controlling station with repeater station or for data transmission¹⁵⁾ to remotely controlled

²²⁾ Act No. 239/2000 Coll., on Integrated Rescue System, as amended.

²³⁾ Act No. 320/2015 Coll., on Fire Rescue Brigade of the Czech Republic.

²⁴⁾ Act No. 273/2008 Coll., on Police of the Czech Republic.

²⁵⁾ Footnote ECA7 of ERC Report No. 25.

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objects, are for frequency planning purposes and coordination considered as links in the land mobile service framework.

Article 8

Information on future development in the fixed service

The use of the band by the fixed service is not assumed.

Part 4

Maritime mobile service and radiocommunication on inland waterways

Article 9

Current conditions in the maritime mobile service and radiocommunication on inland waterways

(1) In accordance with provision of RR Appendix²⁶⁾ and RAINWAT Arrangement¹⁰⁾, the selected frequencies in sub-bands 156–157.45 MHz, 160.6–160.975 MHz and 161.475–162.05 MHz may be preferentially used by applications of the maritime mobile service and on inland waterways.

(2) For radiocommunication on inland waterways in framework of the maritime mobile service following conditions apply:

- a) simplex and duplex operation;
- b) duplex separation 4.6 MHz;
- c) channel spacing 25 kHz;
- d) maximum output power of portable radio station within range 0.5–6 W;
- e) maximum output power of fixed radio station within range 6–25 W;
- f) further technical and operational conditions are governed by special legal regulation²⁷⁾ and by provisions of RAINWAT Arrangement¹⁰⁾.

(3) For ship-to-ship radiocommunication the frequencies 156.5 MHz (channel No. 10 pursuant to Appendix²⁶⁾ of RR and 156.65 MHz (channel No. 13) are designated. For operation on frequency channels of ship-to-ship service category²⁸⁾ the output power of the ship station shall be limited automatically to a value between 0.5–1 W.

(4) For transmission of shipping information the frequencies 156.4 MHz (channel No. 8), 156.45 MHz (channel No. 9), 156.7 MHz (channel No. 14) and 157.025/161.625 MHz (channel No. 80) are designated. The channel No. 80 is designated also for announcement of nautical accidents. For operation on frequency channels of nautical information service category²⁸⁾ the output power of ship station shall be limited automatically to a value between 0.5–1 W.

(5) For radiotelephone distress, urgency and safety communication and for calling (establishing of the connection) is in accordance with RR footnote²⁹⁾ designated frequency 156.8 MHz (channel No. 16). In inland waterways this channel belongs to the category of the

²⁶⁾ Appendix No. 18 of RR.

²⁷⁾ Decree of the Ministry of Transport and Communications No. 138/2000 Coll., on the radiotelephone operation on inland waterways.

²⁸⁾ RAINWAT Arrangement terminology.

²⁹⁾ Footnote 5.226 of RR.

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service of nautical information. Frequency 156.8 MHz may be in accordance with RR footnote³⁰⁾ and procedures for terrestrial radiocommunication services used for search and rescue operations concerning manned space vehicles. On account of the protection of channel 16, the output power of the transmitters using channels 75 and 76 is limited to maximum of 1 W in accordance with RR Appendix²⁶⁾.

(6) For connection ship-to-port authorities are designated frequencies 156.55 MHz (channel No. 11), 156.575 MHz (channel No. 71), 156.625 MHz (channel No. 72) and 156.725 MHz (channel No. 74). For operation on frequency channels of ship-to-port authorities service category²⁸⁾, the output power of ship station shall be reduced automatically to a value between 0.5–1 W.

(7) For on board communications, the frequencies 156.75 MHz (channel No. 15) and 156.85 MHz (channel No. 17) are designated with maximum e.r.p. 1 W.

(8) For use within framework of river information services RIS³¹⁾, in accordance with RR Appendix²⁶⁾ and CEPT Decision³²⁾, the frequencies 161.975 MHz (AIS 1)³³⁾ and 162.025 MHz (AIS 2) are designated. The output power of the station for AIS transmission shall not exceed 25 W.

(9) Frequency 156.525 MHz (channel No. 70) is according to RR footnote²⁹⁾ designated for the maritime mobile service, exclusively for mode DSC³⁴⁾ for distress, urgency and safety communication or for calling. The conditions for the use of this frequency are prescribed in RR³⁵⁾. This status shall be observed when using this frequency in the Czech Republic. The use of DSC on inland waterways is not permitted. The frequency 156.525 MHz can be in accordance with RR footnote³⁰⁾ and procedures for terrestrial radiocommunication services used for search and rescue operations concerning manned space vehicles.

(10) Vessels, to which in accordance with RAINWAT Arrangement¹⁰⁾ was assigned ATIS code³⁶⁾ shall, during its transmitting, use the identification by this code pursuant to RAINWAT Arrangement.

Article 10

Information on future development in the maritime mobile service and in radiocommunication on inland waterways

(1) Release of further frequencies for purposes of communication on inland waterways, particularly frequencies designated for shipping information, is expected after updating of the special legal document²⁷⁾.

(2) Development of the river information systems RIS³¹⁾ is assumed.

(3) Activity on the development of the automatic identification systems (AIS) continues. Further specification of operational and regulatory conditions, in particular namely of Appendix RR²⁶⁾ will be subject of WRC-19³⁷⁾ conferences' conclusions.

³⁰⁾ Footnote 5.111 of RR.

³¹⁾ Abbreviation RIS stands for River Information System.

³²⁾ Decision CEPT/ERC/DEC/(99)17 of 1 June 1999 on the Universal Shipborne Automatic Identification System (AIS) channels in the maritime VHF band.

³³⁾ The abbreviation AIS stands for Automatic Identification System.

³⁴⁾ Abbreviation DSC stands for Digital Selective Calling and it names the class of operation for distress, safety communication and calling in order to establish connection.

³⁵⁾ Article 31 and Appendix 18 of RR.

³⁶⁾ Abbreviation ATIS stands for Automatic Terminal Information Service.

³⁷⁾ World Radiocommunication Conference 2019.

Part 5
Mobile-satellite service

Article 11
Current conditions in the mobile-satellite service

(1) The band 148–150.05 MHz is allocated to the mobile-satellite service on a primary basis and its use is in accordance with RR footnote³⁸⁾ limited to non-geostationary satellite systems. The band can be used for the communication of terminals in the Earth-to-space direction with Low Earth Orbit satellites.

(2) Use of the band 148–149.9 MHz by the mobile-satellite service is, in accordance with RR footnotes³⁹⁾, subject to coordination under provision of RR⁴⁰⁾. The mobile-satellite service shall not constrain development and operation of the fixed and mobile service and space operation service in the band 148–149.9 MHz.

(3) CEPT Decision⁴¹⁾ sets down the operational conditions of satellite systems for personal communication S-PCS⁴²⁾ (low speed data transmission service) in the bands below 1 GHz. In the Czech Republic, terminals of systems for personal communication on the basis of General Authorization¹⁴⁾ can be operated in the band 148–149.9 MHz. The band 149.9–150.05 MHz is not used in the Czech Republic. The coordination of frequencies for satellite systems proceeds pursuant to relevant RR provisions.

Article 12
Information on future development in the mobile-satellite service

Information about envisaged national allocation of the band 149.9–150.05 MHz to the mobile service is stated in Article 6 paragraph 3.

Part 6
Radionavigation-satellite service

Article 13
Current conditions in the radionavigation-satellite service

The allocation to the radionavigation-satellite service in the band 149.9–150.05 MHz is in accordance with RR footnote⁴³⁾ terminated on 1 January 2015. The service is not used in the Czech Republic.

Article 14
Information on future development in the radionavigation-satellite service

Changes in the utilisation of the band by this radiocommunication service are not envisaged on international or national levels.

³⁸⁾ Footnote 5.209 of RR.

³⁹⁾ Footnotes 5.219 and 5.220 of RR.

⁴⁰⁾ Provision No. 9.11A of RR.

⁴¹⁾ Decision CEPT/ERC/(99)06 of 10 March 1999 on the harmonised introduction of satellite personal communication systems operating in the bands below 1 GHz (S-PCS<1GHz), Helsinki, 1999.

⁴²⁾ Abbreviation S-PCS stands for Satellite-Personal Communication System.

⁴³⁾ Footnote 5.224B of RR.

Part 7

Radio astronomy service

Article 15

Current conditions in the radio astronomy service

(1) Radio astronomy service is passive radiocommunication service based on receiving of the radio waves of space origin. Due to low levels of receiving signals the operation of the service depends on protection from interference of other radiocommunication services. According to RR footnote⁴⁴), the users of the band 150.05–153 MHz shall take all practicable measures to protect the radio astronomy service.

(2) In the Czech Republic the band is not used by the service.

Article 16

Information on future development in the radio astronomy service

Changes in the utilisation of the band by this radiocommunication service are not envisaged on international or national levels.

Part 8

Meteorological aids service

Article 17

Current conditions in the meteorological aids service

In the meteorological aids service the sub-band 153–154 MHz can be used under conditions of a secondary service.

Article 18

Information on future development in the meteorological aids service

Changes in the utilisation of the band by this radiocommunication service are not envisaged on international or national levels.

Part 9

Space operation service

Article 19

Current conditions in the space operation service

In accordance with RR footnote⁴⁴) the band 148–149.9 MHz is additionally also allocated to the space operation service (Earth-to-space) on a primary basis, subject to agreement obtained under procedure set down in RR provision⁴⁵). The bandwidth of any individual transmission shall not exceed ± 25 kHz.

⁴⁴) Footnote 5.218 of RR.

⁴⁵) Provision No. 9.21 of RR.

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Article 20

Information on future development in the space operation service

Changes in the utilisation of the band by this radiocommunication service are not envisaged on international or national levels.

Part 10

Final provisions

Article 21

Transitional provision

The individual authorisations for the use of radio frequencies and for tracking the movement of the rescue dogs which were granted according to the former adaptation before this Part of the Radio Spectrum Utilisation Plan came into effect, remain in force until the General Authorisation VO-R/25/11.2017-8 for the use of radio frequencies and for operation of the tracking equipment of movement of dogs will be effective.

Article 22

Repealing provision

The Part of the Radio Spectrum Utilisation Plan No. PV-P/1/11.2016-14 for frequency band 146–174 MHz of 22 November 2016 shall be repealed.

Article 23

Effect

This part of the Radio Spectrum Utilisation Plan shall come into effect on 15 December 2017.

Explanatory memorandum

To implement Section 16(2) of the Act, the Office issues the Measure of General Nature Part No. PV-P/1/11.2017-9 of the Radio Spectrum Utilisation Plan (hereinafter “the part of the plan”), laying down the technical characteristics and conditions of the use of radio spectrum in the frequency band from 146 MHz to 174 MHz by radiocommunication services. This part of the plan is based on the principles embedded in the Act and in European legislation, especially in Directive 2002/21/EC of the European Parliament and of the Council on a common regulatory framework for electronic communications networks and services within the meaning of the Directive 2009/140/EC⁴⁶⁾ and in Decision No. 676/2002/EC of the European Parliament and of the Council on a regulatory framework for radio spectrum policy in the European Community (Radio Spectrum Decision) as well as on principles determined in the Common Part of the Radio Spectrum Utilisation Plan No. PV/10.2005-35 as amended. The purpose of this part of the plan is to ensure the transparency of conditions for radio spectrum use and the ability to anticipate the future decisions of the Office.

The reason of new issue of this part of the plan is particularly to update applicable conditions which enable the use of frequency 155.45 MHz by the tracking equipment of movement of dogs on the basis of the General Authorisation as well as the omission of transitional provision in article 2.

Article 2 contains information from the Plan Frequency Bands Allocations (National Table of Frequency Allocations). The information is amended by current utilisation of applications. At the same time, the harmonisation intention is mentioned, i.e. allocation to radiocommunication services and utilisation by applications according to ERC Report 25 (European Table of Frequency Allocations and Applications). The main applications are presented from utilisation point of view and other details are in parts dedicated to particular radiocommunication services. The amendments in the table correspond to the current publication of Radio Regulations.

Article 3 presents characteristics of the band with information common to radiocommunication services using the band 146 MHz to 174 MHz. The amendments of the article have clarifying character.

Article 4 contains international obligations, which in case of this band means Radio Regulations of the International Telecommunication Union, HCM Agreement and RAINWAT Arrangement.

Part 2 presents conditions of the use of band by applications of the mobile service. In article 5(1), a period of the transitional provision was omitted in view of fact that the period expired. In article 9 with conditions of use of the frequency 155.45 MHz, which is until now designated for purposes of tracking the movement of rescue dogs on the basis of individual authorization, the conditions of use of the frequency are implemented for purposes of the tracking dogs i.e. without limitation, namely on the basis of the General Authorisation. Thus the Office newly set down the method of regulation of radio frequency utilization on the basis of Section 16(4) of the Act.

The period indicated in article 5(21) relates to a user of spectrum pursuant to the laws^{22),23)}.

⁴⁶⁾ Directive 2009/140/EC of the European Parliament and of the Council amending Directives 2002/21/EC on a common regulatory framework for electronic communications networks and services, 2012/19/EC on access to, and interconnection of, electronic communications networks and associated facilities, and 2002/20/EC on the authorization of electronic communications networks and services.

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Paragraph 22 enables extension of period for the use of frequencies according to the former conditions by stations of the user pursuant to Act²⁴). Neither current nor potential users of frequencies are affected by setting of mentioned transitional periods. Taking into account that the sub-band 149.9–150.05 MHz is not used in the Czech Republic by terminals of the mobile-satellite service and that European harmonisation tends to use the sub-bands in the mobile service and furthermore that the allocation to the radionavigation-satellite service was terminated by Radio Regulations, it is in the sub-band possible utilisation by the mobile service on the basis of short-term authorization for the use of radio frequencies or on the basis of individual authorization for the use of radio frequencies for experimental purposes, namely until time when the allocation to the mobile service on national level will come into force. New paragraph 4 in article 5 and paragraph 3 in article 6 was added in this sense. The frequency 151.05 MHz was deleted from paragraph 6 and the frequency 151.9 MHz from paragraph 7 due to the extension of possibilities of the use of frequencies also for other purposes.

Part 3 addresses the fixed service which has no civil utilisation in described bands.

Part 4 informs on the use of frequencies in the maritime mobile service and radiocommunication on inland waterways which subjects to RAINWAT Arrangement.

Part 5 describes conditions of the band utilisation by applications of the mobile-satellite service. The provisions of Radio Regulations are implemented by modification of conditions effective from 1 January 2015 (i.e. termination of the limitation for the land mobile service and the loss of limitation in relation to the radionavigation-satellite service for which the allocation is terminated in accordance with footnote of Radio Regulations. In view of the fact that the band 149.9–150.05 MHz is not used in the Czech Republic by terminals of satellite networks it is added presumption that national allocation of the band to the mobile service is possible without terminating of the allocation to the mobile-satellite service.

Part 6 informs on the allocation of band to the radionavigation-satellite service which is in accordance with footnote of Radio Regulations⁴³) terminated on 1 January 2015.

Parts 7 to 9 contain the conditions of the use of bands allocated to the radioastronomy, meteorological aids and space operation services.

In part 10, Article 21 the Office set down transitional provision which amends validity of the individual authorisation for the use of radio frequencies for tracking the movement of rescue dogs issued according to the former adaptation. The holders of these authorisations may ask for withdrawal of the authorisations otherwise the Office will accede to the termination of validity of these issued authorisations by virtue of office. Article 22 repeals the former issue of the part of Radio Spectrum Utilisation Plan for the frequency band 146–174 MHz and in article 23 the Office set down the effect of issued Measure of General Nature in accordance with Section 124 of the Act.

On the basis of Section 130 of the Act and in accordance with the Czech Telecommunication Office Rules for Conducting Consultations at the discussion site, the Office published a draft of Measure of General Nature Part No. č. PV-P/1/XX.2017-YY of the Radio Spectrum Utilisation Plan on 29 September 2017 together with a call for submitting comments at the discussion site. During public consultation, the Office did not receive any comments to this Part of plan.

On behalf of the Council
of the Czech Telecommunication Office
Jaromír Novák
Chairman of the Council
of the Czech Telecommunication Office
<signed>