

Prague 23 January 2018  
Ref.: 71 127/2017-619

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 only “the Act”) 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/21/01.2018-2 of the Radio Spectrum Utilisation Plan  
for the frequency band 174–380 MHz.**

Article 1  
**Introductory provision**

This part of the Radio Spectrum Utilisation Plan sets down technical characteristics and conditions of the use of radio spectrum in the frequency band from 174 MHz to 380 MHz by radiocommunication services. This part of the Radio Spectrum Utilisation Plan is a follow-up to the Common part of the Radio Spectrum Utilisation Plan<sup>1)</sup>.

Part 1  
**General information on the frequency band**

Article 2  
**Frequency bands**

Band (MHz)	Current conditions		Future harmonisation <sup>2)</sup>	
	Allocation	Utilisation	Allocation	Utilisation
174–230	BROADCASTING LAND MOBILE	T-DAB Multimedia applications Wireless microphones SRD	BROADCASTING LAND MOBILE	T-DAB Multimedia applications Wireless microphones SRD
230–242.95	MOBILE <sup>3)</sup>	MD	MOBILE <sup>3)</sup>	MD

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

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

<sup>3)</sup> Footnote 5.254 of the Radio Regulations.

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242.95– 243.05	MOBILE	Search and rescue frequency 243 MHz MD	AERONAUTICAL MOBILE	Search and rescue frequency 243 MHz MD
243.05–328.6	MOBILE 4)	MD	MOBILE 4)	MD
328.6–335.4	AERONAUTICAL RADIONAVIGATION	ILS MD	AERONAUTICAL RADIONAVIGATION	ILS MD
335.4–380	MOBILE 3)	MD	MOBILE 3)	MD

### Article 3 Frequency band characteristics

(1) The 174–230 MHz band is characterized by the use of applications in the broadcasting service. The digital terrestrial sound broadcasting is the most important potential utilisation of the band.

(2) The band 230–380 MHz is designated for harmonised military utilisation in accordance with ERC Report No. 25<sup>2)</sup>.

### Article 4 International obligations

Provisions of the Radio Regulations (hereinafter only “RR”), provisions of HCM Agreement<sup>5)</sup>, provisions of Geneva 2006 Agreement<sup>6)</sup> (hereinafter only “the Agreement”) and NJFA Agreement<sup>7)</sup> which provides sharing of bands between civil and non-civil users apply to the utilisation and coordination of the radio frequencies (hereinafter only “the frequencies”).

## Part 2 Devices operated out of radiocommunication services

### Article 5 Current conditions in terms of devices operated out of radiocommunication services

(1) The sub-band 174–174.015 MHz (the total band 173.965–174.015 MHz) is, in accordance with the CEPT Recommendation<sup>8)</sup>, designated for microphones for hearing-impaired persons and earpieces. Specific conditions of the use of radio frequencies including technical parameters are set down in relevant General Authorisation<sup>9)</sup>.

(2) The frequencies from the band 174–216 MHz can be used by wireless microphones under conditions of a secondary service with the proviso that they shall not cause harmful

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- <sup>4)</sup> In accordance with footnote of the Radio Regulations No. 5.149, the users of the band 322–328.6 MHz shall take all practicable steps to protect the radio astronomy service.
- <sup>5)</sup> 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.
- <sup>6)</sup> Regional Agreement relating to the planning of the digital terrestrial broadcasting service in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran, in the frequency bands 174-230 MHz and 470-862 MHz (Geneva, 2006).
- <sup>7)</sup> Abbreviation NJFA stands for NATO Joint Civil/Military Frequency Agreement.
- <sup>8)</sup> Recommendation CEPT/ERC/REC 70-03 - Relating to the use of Short Range Devices (SRD).
- <sup>9)</sup> General Authorisation No. VO-R/10/12.2017-10 for the use of radio frequencies and for the operation of short range devices, as amended.

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interference to the reception of stations operated in the broadcasting service and shall not claim protection from interference by these applications. The specific conditions of the use of frequencies including the technical parameters are set down in the relevant General Authorisation<sup>9)</sup>).

#### Article 6

### **Information on future development for devices operated out of radiocommunication services**

No changes in the frequency ranges designated for the utilisation of the hereinabove mentioned devices are envisaged for the time being.

#### Part 3

### **Mobile and land mobile service**

#### Article 7

### **Current conditions in the mobile and land mobile service**

(1) The frequencies from the band 174–230 MHz can be used by the wireless microphones for the professional use with maximum e.r.p. 100 mW under conditions of a secondary service with the proviso that they shall not cause harmful interference to the reception of the stations operated in the broadcasting service and the wireless microphones shall not claim protection from interference by these applications.

(2) The band 242.95–243.05 MHz is in accordance with the footnote<sup>10)</sup> of the RR<sup>11)</sup> designated for the use by stations of rescue vessels and aircrafts and devices which are used for rescue purposes, see Appendix of the RR<sup>12)</sup>. In accordance with the RR footnote<sup>13)</sup> the frequency can be used in compliance with procedures defined for terrestrial radio-communication services also for search and rescue operations relating to the manned space vehicles.

#### Article 8

### **Information on future development in the mobile and land mobile service**

(1) In the course of development of the sound broadcasting, in some geographical regions and parts of spectrum, there will be a partial reduction made in the spectrum volume which is available for operation of the wireless microphones.

(2) It is assumed that in connection with the rollout of digital technologies and the development of mobile multimedia applications, the convergence process will apply, i.e. removal of the difference between applications in the mobile and broadcasting service.

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<sup>10)</sup> Footnote 5.256 RR.

<sup>11)</sup> Radio Regulations, International Telecommunication Union, Geneva, 2016.

<sup>12)</sup> Appendix 13 of RR.

<sup>13)</sup> Footnote 5.111 of the RR.

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Part 4  
**Mobile-satellite service**

Article 9  
**Current conditions in the mobile-satellite service**

(1) The bands 235–322 MHz and 335.4–399.9 MHz can be in accordance with the RR footnote<sup>3)</sup> used by the mobile-satellite service subject to an agreement obtained under the procedure set down in the RR provision<sup>14)</sup> on the condition, that stations in this service do not cause harmful interference to the stations of other services.

(2) The band 267–272 MHz can be, in accordance with the RR footnote<sup>15)</sup>, used for space telemetry on the basis of an agreement according to the RR provision<sup>14)</sup>.

(3) The band 312–315 MHz (Earth-to-space) can be, in accordance with the RR footnote<sup>16)</sup>, used by non-geostationary-satellite systems. Such use is subject to the coordination according to the RR provision<sup>17)</sup>.

Article 10  
**Information on future development in the mobile-satellite service**

No changes in the utilisation of the bands 235–322 MHz and 335.4–399.9 MHz by the mobile-satellite service at international or national level are expected.

**Part 5**  
**Aeronautical radionavigation service**

Article 11  
**Current conditions in the aeronautical radionavigation service**

The use of the band 328.6–335.4 MHz by the aeronautical radionavigation service is, in accordance with the RR footnote<sup>18)</sup>, limited to ILS-GP systems<sup>19)</sup> for aircraft instrument-guided landing.

Article 12  
**Information on future development in the aeronautical radionavigation service**

No changes in the utilisation of the band 328.6–335.4 MHz by the aeronautical radionavigation service at international or national level are expected.

**Part 6**  
**Broadcasting service**

Article 13  
**Current conditions in the broadcasting service**

(1) The band 174–230 MHz, also known as band III, is allocated to the broadcasting service on a primary basis for the digital broadcasting. The band is designated for the operation

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<sup>14)</sup> Provision 9.21 of RR.

<sup>15)</sup> Footnote 5.257 of RR.

<sup>16)</sup> Footnote 5.255 of RR.

<sup>17)</sup> Provision 9.11A of RR.

<sup>18)</sup> Footnote 5.258 of RR.

<sup>19)</sup> Abbreviation ILS-GP stands for Instrument Landing System – Glide Path.

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of multimedia applications in the broadcasting service, i.e. transmission of sound, image and data (hereinafter only “the digital broadcasting”).

(2) International obligations related to the utilisation of the band result from the Agreement<sup>6)</sup>. For the digital broadcasting the Agreement introduces the concept of spectral mask for systems T-DAB<sup>20)</sup>, DVB-T<sup>21)</sup> and other systems on condition that the spectral mask is observed according to it. The Agreement defines the allotments for the digital terrestrial broadcasting and the assignments to the digital terrestrial stations<sup>22)</sup>.

(3) The allotments for the digital terrestrial broadcasting can be used only by the holder of the radio frequency assignment. The Office can combine the particular allotments. The number of rights is limited and corresponds to the number of allotments set by the Agreement. The number also includes the allotments from the Agreement which were changed after its approval on the basis of the outcomes of international frequency coordination. The Office can specify the technical conditions of the use of assignment of radio frequencies in the individual authorisations; particularly:

- a) if the conditions result from coordination negotiations, or
- b) if more transmitters are going to be operated within the framework of the allotment and therefore it is necessary to provide the observance of the specified values of electromagnetic field intensity at borders of the allotments in accordance with the Agreement.

(4) The allotments according to paragraph 2 which are indispensable for ensuring of one electronic communication network for dissemination of publicly available electronic communication service based on spreading of digital terrestrial broadcasting (T-DAB broadcasting) can be used, until 31 December 2021 at the latest, on the basis of individual authorisation for the use of radio frequencies without previous granting of rights for use of frequencies on condition that:

- a) successful international coordination will be carried out and simultaneously,
- b) digital terrestrial broadcasting will meet measures for broadcasting operator based on the act<sup>23)</sup> according to the conception of development of the digital terrestrial broadcasting<sup>24)</sup>.

(5) The allotments for the digital broadcasting for the individual territorial units are presented in table 1 of the Annex of the part of the Plan, the territorial delimitation is presented in table 2 of the Annex of the part of the Plan.

(6) The allotments according to the paragraph 2 designated for the digital broadcasting can be used for the terrestrial digital broadcasting with the spectral mask for T-DAB systems only.

(7) The individual authorisations for the use of radio frequencies which are not presented in paragraphs 3 and 4 will be issued in case of successful coordination since 1 March 2019 at the earliest. The maximum radiated power e.r.p. of the transmitter shall not exceed 1 kW and simultaneously the maximum strength of electric field shall not exceed 38 dB $\mu$ V/m. The strength of electric field at the state border is set down as the maximum for the case of the total strength in the framework of SFN networks as well. In individual authorisations for the use of frequencies by particular broadcasting stations, the Office can

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<sup>20)</sup> Abbreviation T-DAB stands for Terrestrial – Digital Audio Broadcasting.

<sup>21)</sup> Abbreviation DVB-T stands for Digital Video Broadcasting – Terrestrial.

<sup>22)</sup> For purposes of this document the wording „assignments to digital terrestrial stations“ is equivalent to English meaning „DVB-T Plan assignments“ in the sense of Geneva Agreement, 2006.

<sup>23)</sup> Section 3(1)(a) of Act No. 231/2001 Coll., on operation of radio and television broadcasting and on amendments of other acts, as amended, and Act No. 484/1991 Coll., on Czech Radio, as amended.

<sup>24)</sup> Government Resolution No. 730 of 24 August 2016 on the proposal of digital terrestrial broadcasting development of Czech Radio.

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specify other technical conditions for the use of radio frequencies, namely with the aim to ensure compatibility with planned utilisation of the allotments, according to paragraph 3, and to prevent the future limitation of already coordinated technical parameters of the transmitters with high power at dominant spots which belong under the allotments according to paragraph 3.

#### Article 14

### **Information on future development in the broadcasting service**

The conditions related to granting of the individual authorisations for the use of radio frequencies which are part of the allotments resulted from the Agreement, will be announced after the finalization of the international coordination of frequencies of these allotments. The Office envisages that the updated allotments and specified conditions which are necessary for future competitions will be announced in 2019.

#### Part 7

### **Radio astronomy service**

#### Article 15

### **Current conditions in the radio astronomy service**

(1) The radio astronomy service is a passive radiocommunication service based on the reception of the radio waves of space origin. In accordance with the RR footnote<sup>4</sup>), the users of the band 322–328.6 MHz shall take all practicable steps to protect the radio astronomy service.

(2) The radio astronomy service in the band 322–328.6 MHz is not currently operated in the Czech Republic, the users of the band shall take the possibility of the use in neighbouring countries in account.

#### Article 16

### **Information on future development in the radio astronomy service**

The changes in the use of 322–328.6 MHz band by the radio astronomy service are expected neither at international nor national level.

#### Part 8

### **Final provisions**

#### Article 17

### **Repealing provision**

The Measure of General Nature, the Part of the Radio Spectrum Utilisation Plan No. PV-P/21/11.2016-11 for the frequency band 174–380 MHz of 15 November 2016 shall be repealed.

#### Article 18

### **Effect**

This part of the Radio Spectrum Utilisation Plan shall come into effect on 15 February 2018.

### Explanatory memorandum

To implement Section 16(2) of the Act, the Office issues the Measure of General Nature Part No. PV-P/21/01.2018-2 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 174 MHz to 380 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 Directive 2009/140/EC<sup>25)</sup> 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 the conditions for the use of radio spectrum and the ability to anticipate the future decisions of the Office. This Measure of General Nature replaces the part of the Radio Spectrum Utilisation Plan No. PV-P/21/11.2016-11 for the frequency band 174–380 MHz. The reason for issue of this part of the plan is mainly the decision on transformation of the current assignments to the terrestrial digital stations according to the Agreement<sup>6)</sup> with the spectral mask of digital television DVB-T broadcasting to blocks with spectral mask of digital broadcasting T-DAB, and furthermore the implementation of conditions enabling a formation of the frequency sets for operators of commercial broadcasting. Other amendments have clarifying character in accordance with National Table of Frequency Allocations<sup>26)</sup>.

The former part with the conditions in the fixed service was deleted due to the termination of the allocation to this service in National Table of Frequency Allocations<sup>26)</sup>.

Article 1 defines scope of application which defines conditions of the use of spectrum in defined range of frequencies.

Article 2 consists of information from the Plan of Frequency Bands Allocations (National Table of Frequency Allocations) and current utilisation by applications including future harmonisation according to ERC Report 25 - European Table of Frequency Allocations and Utilisation. The main applications are presented from utilisation point of view and other details are in parts dedicated to particular radiocommunication services.

Article 3 describes character of the band and its main utilisation, namely multimedia applications in the broadcasting service and harmonized non-civil use in the mobile service. The purpose of this article is to present brief overview of the band utilisation. Specific conditions of utilisation of particular bands are presented in subsequent articles.

As short range devices (SRD) specified in the CEPT Recommendation<sup>8)</sup> and in General authorisation<sup>9)</sup> have not, from the point of view of the classification of radiocommunication service the character of stations corresponding to the definition of radiocommunication service described in footnote 1.61 of the Radiocommunication Regulations, after part 1 the new part 2 was added with conditions for devices operated out of radiocommunication services originally situated in article with conditions for the mobile service. In Article 6 on future development of

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<sup>25)</sup> 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, Directive 2012/19/EC on access to, and interconnection of, electronic communications networks and associated facilities and Directive 2002/20/EC on the authorisation of electronic communications networks and services.

<sup>26)</sup> Decree No. 423 of 29 November 2017, amending Decree No. 105/2010 Coll., on Plan of Frequency Bands Allocations (National Table of Frequency Allocations).

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these devices is presented the assumption to retain range of frequencies designated for use by SRD devices; specific conditions of the use of frequencies are presented in relevant general authorisation.

In part 3 with the conditions of spectrum utilisation in the mobile service, there is described the use of designated frequencies by the wireless microphones on the basis of individual authorisation on a secondary basis, i.e. on condition that they will not interfere the use of frequencies of the broadcasting service and shall not claim protection from this service as well. The partial limitation of the range of spectrum utilisation by the wireless microphones as a result of development of the radio broadcasting is taken into consideration in information on future development in the mobile service. The current situation of the use of frequencies supplemented with the location of the broadcasting transmitters is published on Offices' websites in publicly accessible electronic search database.

Part 4 informs about the conditions of the use of spectrum by the mobile-satellite service. The service is not used in the Czech Republic and changes in the spectrum utilisation are not even assumed in this service.

Part 5 defines utilisation of the band globally allocated exclusively to the aeronautical radionavigation service for the operation of the systems designated for precise landing.

Part 6 modifies conditions for the use of radio frequencies by the broadcasting service in the band 174–230 MHz. The use of this frequency band by the broadcasting service is regulated by the international Agreement<sup>6)</sup>. The Agreement stipulates demands of signatory countries on the use of particular radio frequencies and it further establishes operational conditions for digital broadcasting of multimedia services using technologies whose radiation characteristics correspond to the T-DAB or DVB-T systems. The term “the multimedia applications” describes the group of services transmitted by radio networks in the mentioned band, characterises trends of development in the digital broadcasting (sound) and classification corresponds to the systems of the group “A” mentioned in Recommendation ITU-R BT.1833-2. Table 1 in Annex of this document with list of allotments usable in the Czech Republic conforms to the modifications of Agreement Geneva 2006 which were discussed at international level and which optimise national needs in the band III. The allotments are delineated by the geographical territory and designated for the use by the holders of assignments for the operation of networks of the digital radio broadcasting with respect to the fulfilment of aims of the state politics in electronic communications<sup>27)</sup>. A support to the implementation of new services, technological innovation and effective spectrum utilisation belong among them.

Modifications of paragraph 4 in article 13 take into consideration procedure according to the Government Resolution <sup>24)</sup> and the Conception of development of digital terrestrial broadcasting of the Czech Radio towards the temporary designation of the radio frequencies for one nationwide transmitting network in the broadcasting service for users according to the Act<sup>23)</sup>. The user is authorised to use the frequencies of the allotments on the basis of individual authorisation for the use of radio frequencies until 31 December 2021. The permanent digital broadcasting of the Czech Radio in the band III leads to the period after 2021, when the Strategy of radio broadcasting development in the Czech Republic will be worked out and the relevant regulatory and legal framework will be adopted. In connection with the international frequency coordination ensuring the frequencies for the digital terrestrial broadcasting of the Czech Radio, the coordination of the frequencies or particular transmitters is under way for operators of the broadcasting networks or particular transmitters which are not designated for the dissemination of programmes of the operator of the sound broadcasting according to the law. The conditions of the use of frequencies designated for the holders of radio frequency

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<sup>27)</sup> Government Resolution No. 203: Update of State politics in electronic communication – Digital Czech Republic v. 2.0, The path to the digital economy.



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assignments will be announced in 2019 in the framework of the announcement with intent to grant the rights of radio frequencies to the operators of T-DAB broadcasting networks.

Furthermore, the Office took into consideration development and potential of the use of the internationally arranged allotments in band III and acceded to the modification of conditions so that it would be possible to use the former allotments for the digital television broadcasting DVB-T by networks of the digital sound broadcasting T-DAB namely with regard to the following aspects:

1. In the framework of the Agreement, there were originally to the Czech Republic designated the allotments of the radio frequencies in order to complete three nationwide broadcasting networks for dissemination of the digital terrestrial sound broadcasting in T-DAB system and one layer of the radio frequencies for dissemination of the digital terrestrial television broadcasting in DVB-T system. In the past period, in the framework of the international frequency coordination, there was found, with respect to the physical characteristic of the radio waves in Band III, that the majority of allotments are incompatible with the allotments of neighbouring countries (both with the spectral mask for T-DAB systems and the spectral mask for DVB-T systems that is valid also for DVB-T2 system). The use of the current infrastructure of the broadcasting networks used for dissemination of VHF-FM sound broadcasting and for implementation of the digital terrestrial broadcasting, would be possible only, with the technical parameters limited by foreign administrations, towards levels which already do not enable to reach sufficient extent of the coverage of territory and population of the Czech Republic by broadcasting; therefore it would not be possible to use the current transmitters placed on high hills at borders with necessary level of the maximum radiated power. In view of that fact a such use could not be economical as the Plan Geneva 2006 which is part of the Agreement would lead to the necessity to build quite new broadcasting networks for the distribution of T-DAB.
2. Also on account of hereinabove mentioned reasons, in many EU member states there were already in the past the radio frequencies intended originally by the Agreement for DVB-T designated subsequently for T-DAB. In these countries it allows to realize feasible international coordination and to find compatible solution for higher number of the frequency layers than three former layers which were listed in the Agreement.
3. The Conception of the terrestrial sound broadcasting<sup>24)</sup> assumes in band III the operation of the systems with a mask corresponding with T-DAB.
4. Neither the Strategy of development of digital terrestrial broadcasting<sup>28)</sup> approved by the Government of the Czech Republic on 20 July 2016 which outlines advancement of the issues of follow-up of the digital terrestrial television broadcasting until 2030, does not allow for the utilisation of the radio frequencies in band III for future DVB-T2 broadcasting networks. The implementation of the terrestrial television broadcasting in DVB-T2 system is concentrated into bands above 470 MHz in the Czech Republic.

In connection with hereinabove mentioned solutions the existing outcomes of the international coordination and for ensuring of effective utilisation of these radio frequencies, the Office decided about their use for increasing of frequency space for the digital terrestrial sound broadcasting of T-DAB. The Office assumes that the use of these radio frequencies just for T-DAB also in the Czech Republic will enable the formation of more layers of radio frequencies and at the same time it will make possible for nationwide broadcasting networks to employ the existing infrastructure of VHF FM broadcasting networks. The transformation of

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<sup>28)</sup> The Strategy of development of digital terrestrial broadcasting including of advancement of transition to technological higher DVB-T2 standard.

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assignments of DVB-T to T-DAB is considered in amendments of paragraphs 3, 6 and 7 and furthermore in Annex 1 by deletion of the former DVB-T assignment identification. In paragraph 7, the conditions for the use of the frequencies by particular transmitters are presented; the limitation from point of view of broadcasting parameters come out of the fact that these particular frequencies are not part of (modified) the allotments. In view of time perspective of the international coordination, these frequencies can be assigned after 1 March 2019 at earliest.

The prerequisite for intention to announce the competitive tendering for the holder of assignments of radiofrequencies is introduced in Article 14.

Part 7 describes the radio astronomy service which depends on the protection from interference caused by other radiocommunication services, due to the low levels of received signals. In the Czech Republic this service is not used but its protection may be claimed by outside countries.

Article 17 repeals the former issue of the part of this Radio spectrum utilisation plan for the band 174–380 MHz and Article 18 sets down the effect of this part of plan 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/21/XX.2017-YY of the Radio Spectrum Utilisation Plan on 29 November 2017 together with a call for submitting comments at the discussion site. The Office received during the public consultation comments from four entities. The Office accepted the proposals to enable utilisation of particular frequencies by T-DAB transmitters (i.e. outside of the allotments) with proviso that, in respect of time perspective of procedure of the international coordination these frequencies will be available after 1 March 2019. The Office did not accept the proposals to keep former allotments with DVB-T blocks (for purpose of TV broadcasting) with respect to the national conceptions which are oriented to the use of band III by DAB sound broadcasting. The Office did not accept the suggestions to wait, among others, with respect to legal provision on effective utilisation of the radio frequencies.

On behalf of the Council of the Czech  
Telecommunication Office

Jiří Peterka

Member of the Council  
of the Czech Telecommunication Office  
<signed>

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Annex:

Table 1: The assignments for the digital multimedia broadcasting for the particular territorial units

Multimedia application with T-DAB spectral mask	
Block and range in MHz	Allotments acc. to Annex 1 of Geneva 2006 Agreement
5A (174,160–175,696)	STC-N, STC-S, ZLI
5B (175,872–177,408)	PLZ
5C (177,584–179,120)	OLO, PHA
5D (179,296–180,832)	UST
6A (181,168–182,704)	PHA, VYS, PLZ, KVA
6B (182,880–184,416)	
6C (184,592–186,128)	
6D (186,304–187,840)	
7A (188,160–189,696)	JMO, LIB, OLO, UST
7B (189,872–191,408)	
7C (191,584–193,120)	
7D (193,296–194,832)	
8A (195,168–196,704)	STC-N, STC-S, PHA
8B (196,880–198,416)	
8C (198,592–200,128)	
8D (200,304–201,840)	
9A (202,160–203,696)	JCE, KHR, MOS, PAR, ZLI
9B (203,872–205,408)	
9C (205,584–207,120)	
9D (207,296–208,832)	

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10A (209,168–210,704)	JMO
10B (210,880–212,416)	KHR, PAR, ZLI
10C (212,592–214,128)	LIB, VYS, PLZ, KVA
10D (214,304–215,840)	MOS, VYS
11A (216,160–217,696)	PAR
11B (217,872–219,408)	JCE, PLZ, KVA, UST, KHR, OLO
11C (219,584–221,120)	JCE, KVA, LIB
11D (221,296–222,832)	MOS, STC-N, STC-S
12A (223,168–224,704)	JMO
12B (224,880–226,416)	
12C (226,592–228,128)	BOHEMIA
12D (228,304–229,840)	MORAVIA, PHA

Table 2: Territorial definition of allotments is as follows:

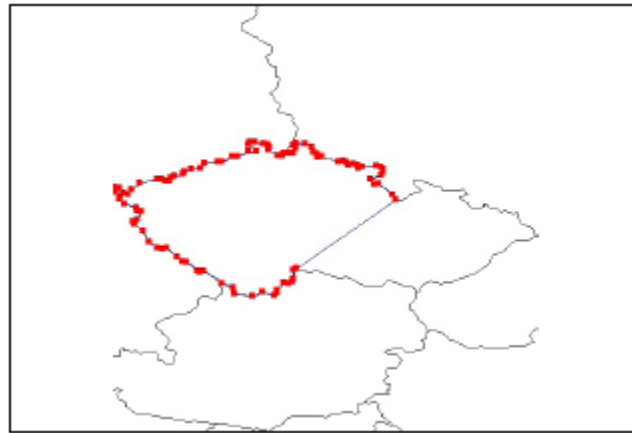
a) Title BOHEMIA

Coordinates of border points designating allotment:

c1	505159	504914	504919	505450	505729	510012	510111	510232
c2	0144942	0144815	0144356	0143437	0143536	0143415	0143012	0142139
c1	510222	505948	505341	505312	504833	504850	504327	504359
c2	0141717	0141539	0142337	0141459	0140416	0135954	0135006	0134552
c1	504219	503715	503643	503405	503126	502952	502759	502523
c2	0133258	0132930	0132047	0131347	0131232	0130413	0130101	0125940
c1	502452	502624	502640	502338	501711	501214	501345	501830
c2	0125517	0125149	0124736	0123107	0122305	0121925	0121545	0121119
c1	501923	501702	501431	501041	500754	500307	495916	495635
c2	0120536	0120743	0120601	0121201	0121133	0121611	0122746	0122828
c1	495519	494724	494551	494314	493643	492612	492016	491946
c2	0123222	0122813	0122444	0122557	0123349	0123940	0124813	0125231
c1	492022	491151	490727	490651	485840	485652	485835	484620
c2	0125644	0130705	0131146	0131550	0132602	0132910	0133222	0135005
c1	484208	483657	483411	483826	483501	483723	484005	484715
c2	0140055	0140230	0141858	0142924	0144048	0144254	0144304	0144949
c1	484636	484754	485043	485905	490108	500704	501157	502232
c2	0145350	0145729	0145830	0145852	0150133	0163724	0163354	0162105
c1	502202	502644	503104	503344	503626	503832	503937	503854
c2	0161657	0161233	0162336	0162453	0162512	0162220	0161812	0160523
c1	503737	504017	504104	504023	504300	504432	504411	504840
c2	0160124	0160018	0155601	0155151	0155007	0154632	0154201	0152615
c1	504803	505046	505223	505745	510107	510123	505905	505650

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c2	0152201	0152120	0151748	0151650	0150952	0150109	0145838	0150106
c1	505137	505216						
c2	0145813	0145403						



b) Title JCE-08

Coordinates of border points designating allotment:

c1	493000	493300	493400	493149	493610	493600	493200	491800
c2	0135700	0140400	0141300	0143348	0144016	0144600	0145600	0145500
c1	491317	490729	490755	490529	490015	485727	485444	485629
c2	0152022	0152522	0153311	0153545	0152937	0153609	0153248	0152934
c1	485716	485855	485916	485713	485640	485921	490010	490108
c2	0152535	0152210	0151805	0151523	0151118	0150936	0150540	0150133
c1	485905	485621	485332	485043	484754	484636	484715	484444
c2	0145852	0145906	0145910	0145830	0145729	0145350	0144949	0144748
c1	484239	484005	483723	483501	483638	483657	483826	483628
c2	0144510	0144304	0144254	0144048	0143715	0143306	0142924	0142626
c1	483436	483411	483458	483543	483549	483657	483940	484208
c2	0142305	0141858	0141456	0141043	0140628	0140230	0140300	0140055
c1	484334	484521	484620	484931	485143	485250	485451	485707
c2	0135709	0135400	0135005	0134727	0134503	0134114	0133828	0133559
c1	485835	491146	493100					
c2	0133222	0134236	0134600					



c) Title JMO

Coordinates of border points designating allotment:

c1	490443	490153	485714	485634	485119	484931	484845	485037
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c2	0170754	0171450	0172600	0173308	0173841	0173521	0173107	0172657
c1	484851	485233	485023	485022	484713	484320	484015	483819
c2	0172336	0171219	0170858	0170645	0170535	0170006	0165828	0165830
c1	483700	483940	484221	484309	484320	484446	484643	484717
c2	0165642	0165539	0165456	0165053	0164642	0164307	0164010	0163555
c1	484846	484846	484630	484411	484409	484436	484506	484505
c2	0163215	0162808	0162537	0162311	0161853	0161435	0161013	0160553
c1	484619	484757	484952	485152	485241	485134	485220	485356
c2	0160205	0155838	0155537	0155233	0154813	0154425	0154026	0153656
c1	485444	485727	490505	491600	492137	493400	493740	493500
c2	0153248	0153609	0161320	0161500	0162233	0162300	0163353	0164700
c1	492211	492300	491500					
c2	0164859	0170400	0171000					

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d) Title KHR-08

Coordinates of border points designating allotment:

c1	500917	500604	500234	500800	500900	500800	500500	501500
c2	0163450	0162101	0161446	0160000	0154600	0153400	0152500	0152300
c1	502148	503120	502944	503118	504624	504537	504411	504432
c2	0150728	0150829	0152304	0153554	0153405	0153812	0154201	0154632
c1	504300	504023	504104	504017	503737	503854	503851	503947
c2	0155007	0155151	0155601	0160018	0160124	0160523	0160948	0161354
c1	503937	503832	503626	503344	503104	503015	502837	502644
c2	0161812	0162220	0162512	0162453	0162336	0161924	0161549	0161233
c1	502433	502202	502232	501958	501853	501636	501411	501157
c2	0161507	0161657	0162105	0162246	0162639	0162905	0163113	0163354



e) Title KVA

Coordinates of border points designating allotment:

c1	502349	501928	500700	500100	495945	495528	495519	495635
c2	0125804	0131358	0131700	0131400	0130446	0125055	0123222	0122828
c1	495916	500032	500157	500307	500531	500754	501041	501257
c2	0122746	0122353	0122003	0121611	0121357	0121133	0121201	0120929
c1	501431	501702	501923	501830	501605	501345	501214	501446
c2	0120601	0120743	0120536	0121119	0121318	0121545	0121925	0122103
c1	501711	501926	502105	502338	502413	502440	502526	502640
c2	0122305	0122543	0122911	0123107	0123524	0123946	0124349	0124736
c1	502624	502452						
c2	0125149	0125517						



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f) Title LIB

Coordinates of border points designating allotment:

c1	503118	502944	503120	503628	502913	503000	503900	504900
c2	0153554	0152304	0150829	0145647	0143902	0142800	0142200	0142700
c1	505000	505046	504919	504914	505159	505216	505137	505359
c2	0143800	0144016	0144356	0144815	0144942	0145403	0145813	0150021
c1	505650	505905	510123	510034	510107	505927	505745	505458
c2	0150106	0145838	0150109	0150525	0150952	0151322	0151650	0151621
c1	505223	505046	504803	504840	504710	504624		
c2	0151748	0152120	0152201	0152615	0152951	0153405		



g) Title MORAVIA

Coordinates of border points designating allotment:

c1	490108	485921	485640	485713	485916	485855	485716	485444
c2	0150133	0150936	0151118	0151523	0151805	0152210	0152535	0153248
c1	485356	485220	485134	485241	485152	484619	484505	484506
c2	0153656	0154026	0154425	0154813	0155233	0160205	0160553	0161013
c1	484411	484846	484846	484717	484643	484320	484221	483700
c2	0162311	0162808	0163215	0163555	0164010	0164642	0165456	0165642
c1	483819	484320	484713	485022	485023	485233	484851	485037
c2	0165830	0170006	0170535	0170645	0170858	0171219	0172336	0172657
c1	484845	484931	485138	485526	485538	490053	490200	490522
c2	0173107	0173521	0174215	0174650	0175307	0175459	0180331	0180649
c1	490806	491714	491927	492202	492343	492339	492757	492921

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c2	0180617	0181057	0182151	0182448	0182412	0182655	0183239	0183156
c1	493044	492949	493025	492921	493109	493223	494028	494045
c2	0183538	0183624	0184051	0184440	0185029	0185144	0184836	0184421
c1	494220	494425	494701	494933	495226	495512	495428	495555
c2	0184050	0183759	0183617	0183428	0183432	0183338	0182931	0182547
c1	495619	495532	495751	495930	495943	500217	500309	500026
c2	0182134	0181727	0181505	0181130	0180706	0180539	0180134	0180208
c1	500011	495841	495934	500142	500421	500629	500735	501019
c2	0175746	0175413	0175001	0174708	0174535	0174247	0173846	0173818
c1	501109	501259	501756	501604	501644	501928	501936	502417
c2	0174223	0174542	0174140	0173827	0172107	0172043	0171616	0170538
c1	502508	502546	502554	502314	502042	501621	501315	501152
c2	0170136	0165719	0165306	0165408	0165602	0170116	0165422	0165031
c1	500605	500704						
c2	0164128	0163724						



h) Title MOS

Coordinates of border points designating allotment:

c1	492931	493229	494200	495100	500459	501619	501618	501614
c2	0181617	0175445	0174200	0170900	0171352	0172525	0172953	0173415
c1	501604	501756	501537	501259	501109	501019	500735	500629
c2	0173827	0174140	0174402	0174542	0174223	0173818	0173846	0174247
c1	500421	500142	495934	495841	500011	500026	500309	500217
c2	0174535	0174708	0175001	0175413	0175746	0180208	0180134	0180539
c1	495943	495930	495751	495532	495619	495555	495428	495512
c2	0180706	0181130	0181505	0181727	0182134	0182547	0182931	0183338
c1	495226	494933	494701	494425	494220	494045	494028	493744
c2	0183432	0183428	0183617	0183759	0184050	0184421	0184836	0184913
c1	493500	493223	493109	493029	492921	493025	492949	493044
c2	0185025	0185144	0185029	0184717	0184440	0184051	0183624	0183538
c1	492921	492757	492339	492343				
c2	0183156	0183239	0182655	0182412				

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



i) Title OLO

Coordinates of border points designating allotment:

c1	492600	492100	491500	492300	492211	493500	493900	495000
c2	0173800	0172000	0171000	0170400	0164859	0164700	0165000	0164500
c1	495800	500400	500743	500946	501152	501315	501417	501621
c2	0164300	0164900	0164456	0164750	0165031	0165422	0165823	0170116
c1	501830	502042	502314	502554	502546	502508	502417	502255
c2	0165832	0165602	0165408	0165306	0165719	0170136	0170538	0170928
c1	502115	501936	501928	501644	501619	500459	495100	494200
c2	0171249	0171616	0172043	0172107	0172525	0171352	0170900	0174200
c1	493229							
c2	0175445							



j) Title PAR

Coordinates of border points designating allotment:

c1	500400	495800	495000	493900	493500	493740	493400	493800
c2	0164900	0164300	0164500	0165000	0164700	0163353	0162300	0161600
c1	494400	494114	494921	494903	495000	495600	500100	500500
c2	0160000	0155457	0154415	0153509	0152900	0153200	0152200	0152500
c1	500800	500900	500800	500234	500604	500917	500704	500605
c2	0153400	0154600	0160000	0161446	0162101	0163450	0163724	0164128
c1	500743							
c2	0164456							

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



k) Title PHA

Coordinates of border points designating allotment:

c1	501123	500725	500500	500100	495934	495929	495612	500600
c2	0143234	0143923	0144300	0144035	0143841	0143056	0142121	0141300
c1	500752							
c2	0141632							



l) Title PLZ

Coordinates of border points designating allotment:

c1	500357	495600	494600	494035	493100	491146	485835	485652
c2	0132513	0135000	0134800	0134252	0134600	0134236	0133222	0132910
c1	485840	490104	490340	490539	490651	490727	491002	491151
c2	0132602	0132358	0132229	0131934	0131550	0131146	0131023	0130705
c1	491419	491556	491828	492022	491946	492016	492230	492443
c2	0130506	0130144	0125953	0125644	0125231	0124813	0124542	0124310
c1	492612	492900	493123	493358	493643	493857	494115	494314
c2	0123940	0123845	0123626	0123439	0123349	0123122	0122856	0122557
c1	494551	494724	494958	495236	495519	495528	495945	500100
c2	0122444	0122813	0122958	0123129	0123222	0125055	0130446	0131400
c1	500700							
c2	0131700							

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



m) Title STC-N

Coordinates of border points designating allotment:

c1	501500	502100	502100	503000	502913	503628	503120	502148
c2	0135200	0140000	0142200	0142800	0143902	0145647	0150829	0150728
c1	501500	500500	500100	495600	495000	494700	500100	500500
c2	0152300	0152500	0152200	0153200	0152900	0152600	0144035	0144300
c1	500725	501123	500752					
c2	0143923	0143234	0141632					



n) Title STC-S

Coordinates of border points designating allotment:

c1	494700	494500	493900	493500	493200	493600	493610	493149
c2	0152600	0151500	0151100	0150000	0145600	0144600	0144016	0143348
c1	493400	493300	493000	493100	494035	494600	495600	500357
c2	0141300	0140400	0135700	0134600	0134252	0134800	0135000	0132513
c1	501200	501500	500752	500600	495612	495929	495934	500100
c2	0133200	0135200	0141632	0141300	0142121	0143056	0143841	0144035

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



o) Title UST

Coordinates of border points designating allotment:

c1	505000	504900	503900	503000	502100	502100	501500	501200
c2	0143800	0142700	0142200	0142800	0142200	0140000	0135200	0133200
c1	500357	500700	501500	501928	502349	502452	502523	502759
c2	0132513	0131700	0131500	0131358	0125804	0125517	0125940	0130101
c1	502952	503009	503126	503405	503434	503643	503634	503715
c2	0130413	0130841	0131232	0131347	0131809	0132047	0132512	0132930
c1	503939	504219	504243	504311	504359	504327	504444	504713
c2	0133156	0133258	0133723	0134140	0134552	0135006	0135401	0135612
c1	504850	504833	504956	505108	505312	505305	505341	505611
c2	0135954	0140416	0140805	0141209	0141459	0141923	0142337	0142153
c1	505837	505948	510222	510232	510114	510111	510012	505729
c2	0141939	0141539	0141717	0142139	0142544	0143012	0143415	0143536
c1	505450	505303	505046					
c2	0143437	0143757	0144016					



p) Title VYS

Coordinates of border points designating allotment:

c1	492137	491600	490505	485727	490015	490529	490755	490729
c2	0162233	0161500	0161320	0153609	0152937	0153545	0153311	0152522
c1	491317	491800	493200	493500	493900	494500	494700	495000
c2	0152022	0145500	0145600	0150000	0151100	0151500	0152600	0152900
c1	494903	494921	494114	494400	493800	493400		
c2	0153509	0154415	0155457	0160000	0161600	0162300		

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



q) Title ZLI

Coordinates of border points designating allotment:

c1	492343	492202	491927	491714	490806	490522	490200	490121
c2	0182412	0182448	0182151	0181057	0180617	0180649	0180331	0175926
c1	490053	485538	485526	485138	485119	485634	485714	490153
c2	0175459	0175307	0174650	0174215	0173841	0173308	0172600	0171450
c1	490443	491500	492100	492600	493229	492931		
c2	0170754	0171000	0172000	0173800	0175445	0181617		



Coordinates are in accordance with Geneva 2006 Agreement, presented in IDWM<sup>29)</sup>.

<sup>29)</sup> Abbreviation IDWM stands for ITU Digitized World Map.