

Prague 14 September 2010  
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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 on the basis of the decision of the Council of the Czech Telecommunications Office (hereinafter „the Office“) under Section 107(8)(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/26/09.2010-10 of the Radio Spectrum Utilisation Plan  
for the frequency band 27.5–66 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 27.5 MHz to 66 MHz by radiocommunication services. This part of the Radio Spectrum Utilisation Plan is 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
27.5–28	METEOROLOGICAL AIDS FIXED MOBILE	Mobile networks SRD MD	METEOROLOGICAL AIDS FIXED MOBILE	Mobile networks SRD MD
28–29.7	AMATEUR AMATEUR- SATELLITE	Amateur applications SRD	AMATEUR AMATEUR- SATELLITE	Amateur applications SRD

<sup>1)</sup> Common part of the Radio Spectrum Utilisation Plan No. PV/10.2005-35 published in the Telecommunication Journal 14/2005.

<sup>2)</sup> ERC Report 25: European Table of Frequency Allocations and Utilisations in the frequency range 9 kHz to 3000 GHz, rev. Kyiv, 2009.

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29.7–30.005	FIXED MOBILE Radiolocation	SRD MD	MOBILE	Mobile networks SRD MD
30.005– 30.01	SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH	Mobile networks SRD MD	MOBILE	Mobile networks SRD MD
30.01– 32.875	FIXED MOBILE <sup>3)</sup>	MD Mobile networks SRD CT0	MOBILE <sup>3)</sup>	MD Mobile networks SRD
32.875–35	FIXED MOBILE except aeronautical mobile	Mobile networks Model control SRD	MOBILE	Mobile networks Model control SRD
35–37.5	FIXED MOBILE	Mobile networks Model control SRD MD	MOBILE	Mobile networks Model control SRD MD
37.5–38.25	FIXED MOBILE Radio astronomy <sup>4)</sup>	Mobile networks SRD MD	MOBILE Radio astronomy <sup>4)</sup>	Mobile networks SRD MD
38.25–39	FIXED MOBILE	Mobile networks SRD MD	MOBILE	Mobile networks SRD MD
39–39.986	FIXED MOBILE	MD Mobile networks CT0	MOBILE	MD SRD
39.986– 40.02	FIXED MOBILE Space research	MD Mobile networks CT0	MOBILE Space research	MD SRD
40.02–40.98	FIXED MOBILE <sup>5)</sup>	Mobile networks SRD CT0 MD	MOBILE <sup>5)</sup>	SRD
40.98–41	FIXED MOBILE Space research	Mobile networks MD	MOBILE Space research	SRD

<sup>3)</sup> According to footnote EU1 of ERC Report No. 25 are sub-bands 30.3–30.5 MHz, 32.15–32.45 MHz and 41–47 MHz harmonised for non-civil use.

<sup>4)</sup> Footnote 5.149 of Radio Regulations.

<sup>5)</sup> Footnote 5.150 of Radio Regulations.

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41–41.015	FIXED MOBILE 3)	MD Mobile networks	MOBILE 3)	MD Mobile networks SRD
41.015–44	FIXED MOBILE 3)	MD Mobile networks	MOBILE 3)	MD Mobile networks SRD
44–46	FIXED MOBILE 3)	Mobile networks MD	MOBILE 3)	Mobile networks SRD MD
46–47	FIXED MOBILE 3) 6)	MD Mobile networks	MOBILE 3)	MD Mobile networks SRD
47–48.5	FIXED LAND MOBILE	MD Mobile networks	LAND MOBILE	MD Mobile networks
48.5–50	BROADCASTING Land mobile	Television transmission Mobile networks MD	LAND MOBILE	Mobile networks MD
50–52	BROADCASTING Amateur Land mobile	Amateur applications Television transmission Mobile networks MD	LAND MOBILE Amateur	Mobile networks Amateur applications MD
52–56.5	BROADCASTING Land mobile	Television transmission Mobile networks MD	LAND MOBILE	Mobile networks MD
56.5–58	FIXED LAND MOBILE 6)	Mobile networks MD	LAND MOBILE 6)	Mobile networks MD
58–66	BROADCASTING Fixed Land mobile 6)	Television transmission Mobile networks MD	LAND MOBILE 6)	Mobile networks MD

### Article 3 Frequency band characteristics

Frequencies within range 27.5–66 MHz are in sub-band up to 30 MHz denoted by term high frequencies<sup>7)</sup>, for higher frequencies is used expression very high frequencies<sup>8)</sup>. The band is characterised by shared utilisation of sub-bands by analogue civil and non-civil applications particularly of the mobile and fixed radiocommunication service. Part of the band is used by analogue television transmission, termination of which is planned in 2012. With regard to specific physical characteristics of the electromagnetic waves propagation<sup>9)</sup> the

<sup>6)</sup> Footnote 5.162A of Radio Regulations.

<sup>7)</sup> The band 3–30 MHz is denoted by abbreviation HF which stands for High Frequency.

<sup>8)</sup> The band 30–300 MHz is denoted by abbreviation VHF which stands for Very High Frequency.

<sup>9)</sup> The quality of connection in described HF and VHF bands depends particularly on ionosphere status, which is affected for example by daytime, season and solar activity period.

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band is also used by applications of the amateur service as well as by other radiocommunication services. Stability of receipt can be affected by unforeseeable characteristics of radio waves propagation which may cause for example occasional occurrence of long distance interference. In the band are also operated the short range devices using for its functioning both electromagnetic waves and also magnetic field only. Assumed harmonisation intentions in the band are mentioned also in the ERC Report No. 25<sup>10)</sup>.

#### Article 4 International obligations

Provisions of the Radio Regulations<sup>11)</sup> (hereinafter only „RR“) and in the bands above 29.7 MHz also provisions of HCM Agreement<sup>12)</sup> apply to operation and coordination.

#### Part 2 Mobile service

#### Article 5 Current conditions in the mobile service

(1) Within the scope of the mobile service, in accordance with RR provisions<sup>13)</sup>, is listed utilisation of the bands allocated to the land mobile service and to the mobile except aeronautical mobile service.

(2) In selected parts of the band 27.5–66 MHz allocated to the mobile service for civil use is possible to operate mobile networks and links. Unless stated otherwise for newly established stations apply:

- a) for simplex operation are designated sub-bands 27.5–27.995 MHz, 32.875–32.975 MHz and 47–54 MHz;
- b) for duplex operation are designated sub-bands within 54–66 MHz range. Duplex separation is 7 MHz, in the lower part 54–61 MHz transmit terminals, in the upper part 61–66 MHz transmit base stations;
- c) basic channel separation is 25 kHz, additional separation is 12.5 kHz<sup>14)</sup>;
- d) for frequencies above 32.875 MHz are centre frequencies of radio channels of basic channel separation given by formula:

$$f_n \text{ [MHz]} = 32.875 + 0.025n,$$

where n is 0 up to 1324;

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<sup>10)</sup> ERC Report No. 25: European Table of Frequency Allocations and Utilisations in the frequency range 9 kHz up to 3000 GHz, rev. Kyiv, 2009.

<sup>11)</sup> Radio Regulations, International Telecommunication Union, Geneva, 2008.

<sup>12)</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 39.5 GHz for the fixed service and the land mobile service.

<sup>13)</sup> Provisions Nos. 1.24 and 1.26 of RR.

<sup>14)</sup> The basic channel separation may be divided into two additional ones.

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- e) occupied bandwidth<sup>15)</sup> is at most 16 kHz for channel separation 25 kHz;
- f) occupied bandwidth is at most 11 kHz for additional channel separation 12.5 kHz;
- g) maximum e.r.p. in sub-band below 27.995 MHz is 5 W, in other sub-bands 10 W;
- h) in accordance with RR footnote<sup>4)</sup> the users of the band 37.5–38.25 MHz are obligated to adopt all practicable measures to protect the radio astronomy service;
- i) the use of frequencies in manner which is not in accordance with conditions stated here and which hampers development of applications operated pursuant to conditions stated here, is possible until expiration of authorization, but at latest till 31 December 2015.

Frequency arrangement is based on CEPT Recommendation<sup>16)</sup>.

(3) Sub-band 27.5–30 MHz<sup>17)</sup> may be used in accordance with CEPT Recommendation<sup>18)</sup> for operation of inductive applications coming under category of short range devices SRD<sup>19)</sup>. Equipment is operated in the category of a secondary service<sup>20)</sup>. Detailed conditions of the use of radio frequencies including technical parameters are set down by General Authorisation<sup>21)</sup>.

(4) In accordance with CEPT Recommendation<sup>18)</sup> for operation of the wireless microphones and of the aids for hearing impaired, coming under SRD category, following sub-bands may be used

- a) 27.5–27.915 MHz<sup>17)</sup>;
- b) 36.4–36.650 MHz;
- c) 36.650–38 MHz, designated only for microphones for hearing impaired and for aids for hearing impaired;
- d) 38–38.5 MHz.

Equipment is operated in category of a secondary service<sup>20)</sup>. Detailed conditions of radio frequencies utilisation including technical parameters are set down by General Authorisation<sup>21)</sup>.

(5) Frequencies from sub-band 27.5–27.995 MHz<sup>17)</sup> are used for local paging<sup>22)</sup>. Occupied bandwidth is at most 10 kHz.

(6) Portable stations of low power can be operated on common frequencies:

- a) 27.905 MHz and 27.915 MHz for data transfer purposes, with occupied bandwidth 8.5 kHz, maximum e.r.p. is 1 W;

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<sup>15)</sup> Definition in RR provision No. 1.153.

<sup>16)</sup> Recommendation CEPT/ERC T/R 25-08 – Planning criteria and coordination of frequencies in the land mobile service in the range 29.7–960 MHz.

<sup>17)</sup> Sub-band designated for the same purpose is adjacent to the lower edge of this sub-band.

<sup>18)</sup> Recommendation CEPT/ERC/REC 70-03 – Relating to the use of Short Range Devices (SRD).

<sup>19)</sup> Abbreviation SRD stands for Short Range Devices.

<sup>20)</sup> Equipment shall not cause harmful interference to other radiocommunication services and in the same time the equipment can not claim protection from harmful interference caused by applications of other radiocommunication services.

<sup>21)</sup> General Authorization No. VO–R/10/06.2009-9 for the use of radio frequencies and for the operation of short range devices.

<sup>22)</sup> Paging is radio system providing transfer of messages between base station and mobile receivers; the system may be completed by return channel.

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- b) 27.975 MHz, 27.985 MHz and 27.995 MHz for data transfer purposes, with occupied bandwidth 8.5 kHz, maximum e.r.p. is 100 mW;
- c) 34.050 MHz, 34.075 MHz, 34.150 MHz, 34.175 MHz, with occupied bandwidth 16 kHz, maximum e.r.p. is 1 W;
- d) 57.225 MHz, 57.250 MHz, 57.275 MHz and 57.300 MHz for data transfer purposes, maximum e.r.p. is 10 mW.

Detailed conditions of radio frequencies utilisation including technical parameters are set down by General Authorisation<sup>23</sup>).

(7) In accordance with European Commission Decision<sup>24</sup>) and CEPT Recommendation<sup>18</sup>) the band 30–37.5 MHz may be used for operation of SRD for wireless medical applications operated in a secondary service category<sup>20</sup>). Detailed conditions for use of radio frequencies including technical parameters are set down by General Authorisation<sup>21</sup>).

(8) In accordance with CEPT Recommendation<sup>18</sup>) the band 30–66 MHz<sup>25</sup>) may be used for operation of SRD for position and movement detecting and for alert equipment. Devices are operated in a secondary service category<sup>20</sup>). Detailed conditions for use of radio frequencies including technical parameters are set down by General Authorisation<sup>21</sup>).

(9) Duplex sub-bands 31.025–31.325 / 39.925–40.25 MHz are used for operation of analogue cordless telephones of CT0 standard in a secondary service category<sup>20</sup>). In sub-band 31.025–31.325 MHz transmits base part, in sub-band 39.925–40.25 MHz transmits portable part. Detailed conditions for use of radio frequencies including technical parameters are set down by General Authorisation<sup>26</sup>).

(10) Sub-band 32.875–32.975 MHz is used by simplex fixed links<sup>27</sup>) which are compatible with applications in the mobile service. Maximum e.r.p. is 1 W.

(11) Remote control stations<sup>28</sup>) of flying models may in accordance with CEPT Decision<sup>29</sup>) use sub-band 34.995–35.225 MHz. Beyond framework of mentioned Decision the flying models remote control stations may use frequencies of sub-band 35.820–35.910 MHz. For this purpose may be used also frequencies listed in paragraphs 13 and 15. Detailed conditions for use of radio frequencies including technical parameters are set down by General Authorisation<sup>30</sup>).

(12) In sub-band 39–39.2 MHz may be operated systems using reflections from meteor trails<sup>31</sup>) in accordance with CEPT Recommendation<sup>32</sup>).

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<sup>23</sup>) 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 bands, as amended.

<sup>24</sup>) Commission Decision No. 2010/368/EU of 30 June 2010 amending Decision 2006/771/ES on harmonisation of radio spectrum for short range devices.

<sup>25</sup>) Sub-band designated for the same purpose is adjacent to the upper edge of this sub-band.

<sup>26</sup>) General Authorisation No. VO-R/17/08.2005-29 for the use of radio frequencies and for the operation of CT0-standard cordless telephones.

<sup>27</sup>) Data and command stations. Command station is data station designated for radio control and telecommand of machines and machinery.

<sup>28</sup>) Remote control stations are considered to be short range devices.

<sup>29</sup>) Decision CEPT ERC/DEC/(01)11 of 12 March 2001 on harmonised frequencies, technical characteristics and exemption from individual licensing of Short Range Devices used for Flying model control operating in the frequency band 34.995–35.225 MHz.

<sup>30</sup>) General Authorisation No. VO-R/15/08.2005-27 for the use of radio frequencies and for the operation of equipment for remote control of models in the bands 13 MHz to 40 MHz, as amended.

<sup>31</sup>) Meteor Scatter Applications.

<sup>32</sup>) Recommendation CEPT ERC/REC (00)04 – harmonised frequencies and free circulation and use for meteor scatter applications.

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(13) Model remote control stations<sup>33)</sup> may in accordance with CEPT Decision<sup>34)</sup> use shared frequencies 40.665 MHz, 40.675 MHz, 40.685 MHz and 40.695 MHz. Beyond the scope of the Decision also the frequency 40.715 MHz may be used for this purpose.

(14) In accordance with European Commission Decision<sup>24)</sup> and pursuant to CEPT Recommendation<sup>18)</sup> the sub-band 40.66–40.7 MHz is designated for operation of non-specific SRD, with exception of equipment for transmission of images. Devices are operated in a secondary service category<sup>20)</sup>. Detailed conditions for use of radio frequencies including technical parameters are set down by General Authorisation<sup>21)</sup>.

(15) Model remote control stations<sup>33)</sup> may use following frequencies:  
40.725 MHz, 40.735 MHz, 40.765 MHz, 40.775 MHz, 40.785 MHz, 40.815 MHz,  
40.825 MHz, 40.835 MHz, 40.865 MHz, 40.875 MHz, 40.885 MHz, 40.915 MHz,  
40.925 MHz, 40.935 MHz, 40.965 MHz, 40.975 MHz and 40.985 MHz. Maximum e.r.p. is 1 W.

(16) In sub-band 44–46 MHz are operated mobile links and networks in accordance with previous planning parameters. New individual authorisations for use of radio frequencies in this band are not issued. With regard to future harmonised non-civil use the operation of stations on basis of already issued authorisations is step-by-step terminated.

(17) Sub-band 56.525–58 MHz is used by simplex fixed links<sup>27)</sup> which are planned as the mobile service and are compatible with application in the mobile service. Maximum e.r.p. is 1 W.

(18) For planning of links and networks the Office uses following parameters:

a) minimum useful intensity of electromagnetic field in sub-band 27.5–47 MHz is 8 dB $\mu$ V/m, in sub-band 47–66 MHz is 14 dB $\mu$ V/m;

b) permissible interfering intensity of electromagnetic field in sub-band 27.5–47 MHz is 0 dB $\mu$ V/m, in sub-band 47–66 MHz is 6 dB $\mu$ V/m;

c) planning max. effective antenna height is 35 m;

d) planning antenna height of base station above terrain is 10 m;

e) planning antenna height of mobile station or of terminal<sup>27)</sup> above terrain is 3 m;

f) nominal repetitive distance of frequency grid is 120 km;

g) maximum operational range is 30 km;

h) for national coordination the provisions of HCM Agreement<sup>12)</sup> are adequately applied;

i) for relay operation the higher frequency belongs to transmitter of relay station;

j) in networks designated for remote control and signalization as a terminal of remote control and signalization is considered such fixed transmitting radio equipment which

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<sup>33)</sup> Remote control of models moving in air, on land, on water surface or below it.

<sup>34)</sup> Decision CEPT ERC/DEC/(01)12 of 12 March 2001 on harmonised frequencies, technical characteristics and exemption from individual licensing of Short Range Devices used for Model control operating on the frequencies 40.665, 40.675, 40.685 and 40.695 MHz.

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transmit with duty cycle<sup>35)</sup> less than 1 % and at the same time the duration of their one transmission will not exceed 1 second.

#### Article 6

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

(1) Development of civil use of the high frequency and very high frequency bands by analogue systems is currently stagnating. But development of progressive digital applications may be assumed in future.

(2) Rise of importance of the mobile service may be assumed particularly in sub-bands 48.5–56.5 MHz and 58–66 MHz in which the termination of terrestrial analogue television transmission by 2012<sup>36)</sup> is planned.

(3) Termination of use of sub-bands 31.025–31.325 / 39.925–40.25 MHz by cordless telephones of CT0 standard is assumed. The Office in coordination with spectrum users will consider future utilisation of freed sub-bands.

(4) The Office will consider possible extension of frequency sub-bands designated for operation of wireless microphones.

#### Part 3

##### **Broadcasting service**

#### Article 7

##### **Current conditions in the broadcasting service**

(1) To the broadcasting service are in category of a primary service allocated following sub-bands: sub-band 48.5–56.5 MHz, referred to as television channel R1 and sub-band 58–66 MHz, referred to as television channel R2<sup>37)</sup>.

(2) In the Czech Republic is for terrestrial analogue television transmission used PAL D system, i.e. with separation of channels 8 MHz and separation of picture carrier frequency from sound carrier frequency 6.5 MHz.

(3) Development of the broadcasting service in mentioned bands is terminated. The Office does not issue new individual authorisations for operation of the broadcasting service applications.

#### Article 8

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

(1) In accordance with harmonisation intention<sup>38)</sup> are CEPT Administrations urged to take steps leading to termination of the broadcasting service allocations in the 47–68 MHz band. The provisions of Stockholm 1961 Agreement<sup>39)</sup> are not affected with it.

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<sup>35)</sup> Duty cycle is per cent expression of total of all time segments of transmitting on one carrier frequency during set down period in relation to this period.

<sup>36)</sup> Decree of Government No. 161/2008 Coll., on technical plan of transition of terrestrial analogue television transmission to digital television transmission (Decree of Government on technical plan of transition).

<sup>37)</sup> Listed channels are also referred to as television band I.

<sup>38)</sup> Footnote EU3 of ERC Report No. 25.

<sup>39)</sup> Stockholm 1961 Agreement, rev. by Regional Radiocommunication Conference, Geneva 2006.



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(2) Termination of operation of terrestrial analogue television transmission in the Czech Republic is planned<sup>36)</sup> in 2012 at latest. After releasing of sub-band from the broadcasting service applications can be expected further development leading to termination of the broadcasting service allocations in the 47–68 MHz band in Region 1<sup>40)</sup>, and therefore also in sub-bands 48.5–56.5 MHz and 58–66 MHz, used by the broadcasting service in the Czech Republic. Some frequencies will be released in favour of non-civil use.

#### Part 4 Fixed service

##### Article 9 Current conditions in the fixed service

(1) Sub-bands 27.5–28 MHz, 29,7–48.5 MHz, 56.5–58 MHz are allocated to the fixed service in category of a primary service. The band 58–66 MHz is allocated to the fixed service on a secondary basis.

(2) The service has no use in the Czech Republic.

(3) Procedure according to conditions of the mobile service is used in case of need of fixed link placement.

##### Article 10 Information on future development in the fixed service

In accordance with European harmonisation gradual attenuation of use of the bands in range 27.5–66 MHz by the fixed service applications is expected.

#### Part 5 Amateur and amateur-satellite service

##### Article 11 Current conditions in the amateur and amateur-satellite service

(1) To the amateur and amateur-satellite service is in category of primary service allocated the band 28–29.7 MHz<sup>41)</sup>.

(2) In category of a secondary service is to the amateur service in accordance with European harmonisation<sup>2)</sup> allocated sub-band 50–52 MHz.

(3) Operation of the amateur and amateur-satellite service equipment is governed by special legal measure<sup>42)</sup>.

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<sup>40)</sup> Region 1 of Radiocommunication Sector of International Telecommunication Union, defined by provision No. 5.3 of RR. Europe is part of Region 1 as well.

<sup>41)</sup> A level of utilisation of allocated frequencies by applications of listed services to a certain extent correlates with physical conditions of electromagnetic field propagation which determines Earth atmosphere.

<sup>42)</sup> Decree No. 156/2005 Coll., on technical and operational conditions of the amateur radiocommunication service.

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#### Article 12

### **Information on future development in the amateur and amateur-satellite service**

(1) The changes in the utilisation of the band by these services on national or international level for the time being are not anticipated.

(2) Inclusion of issue of possible allocation of 50–52 MHz band to the amateur service in Region 1<sup>40)</sup> into agenda of some of future World Radiocommunication Conferences is under consideration.

(3) After complete termination of television transmission the arrangement of some technical operational conditions for sub-band 50–52 MHz set down by special legal measure<sup>42)</sup> should be reassessed.

#### Part 6

### **Radiolocation service**

#### Article 13

### **Current conditions in the radiolocation service**

(1) To the radiolocation service are in the Czech Republic in accordance with RR footnote<sup>6)</sup> additionally allocated sub-bands 46–47 MHz and 56.5–66 MHz in category of a secondary service<sup>20)</sup> but only for operation of radiolocation sensors of wind direction and speed.

(2) The radiolocation service has no use in the Czech Republic in listed bands.

#### Article 14

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

Taking account of agenda items of forthcoming World Radiocommunication Conference WRC<sup>43)</sup> the consideration of extension of the radiolocation service allocation for purposes of oceanographic radar systems<sup>44)</sup> operation in regime of sharing with other services is assumed.

#### Part 7

### **Radio astronomy service**

#### Article 15

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

The band 37.5–38.25 MHz is allocated to the radio astronomy service in a secondary service category. In the Czech Republic this allocation is not used.

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<sup>43)</sup> Abbreviation WRC stands for World Radiocommunication Conference. Next conference will take place in Geneva in 2012.

<sup>44)</sup> Resolution 612 (WRC-07) and Resolution 611 (WRC-07) concerning oceanographic radar systems.

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Article 16

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

The changes in the utilisation of the band by this radiocommunication service on national or international level are not anticipated.

Part 8

**Space research service**

Article 17

**Current conditions in the space research service**

(1) The space research service shares with other primary services the band 30.005–30.01 MHz and in a secondary service category the bands 39.986–40.02 MHz and 40.98–41 MHz.

(2) Allocation is not used in the Czech Republic.

Article 18

**Information on future development in the space research services**

The changes in the utilisation of the band by this radiocommunication service on national or international level are not anticipated.

Part 9

**Space operation service**

Article 19

**Current conditions in the space operation service**

Space operation service shares with other primary services the band 30.005–30.01 MHz. The band is in the Czech Republic used by applications for identification of satellites.

Article 20

**Information on future development in the space operation service**

The changes in the utilisation of the band by this radiocommunication service on national or international level are not anticipated.

Part 10

**Final provisions**

Article 21

**Effect**

This part of the Radio Spectrum Utilisation Plan comes into effect on 1 October 2010.

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### **Explanatory memorandum**

To implement Section 16(2) of the Act, the Office issues the Measure of General Nature Part No. PV-P/26/09.2010-10 of the Radio Spectrum Utilisation Plan (hereinafter „the part of the plan”) by which sets down the technical characteristics and conditions of the use of radio spectrum in the frequency band from 27.5 MHz to 66 MHz by radiocommunication services.

The 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 (Framework Directive) and 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.

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.

In Article 2 is presented information from Plan of Frequency Bands Allocations (National Table of Frequency Allocations). This information is updated by current utilisation by applications. Simultaneously the harmonisation intention is presented, i.e. allocation to radiocommunication services and utilisation by applications according to ERC Report 25: European Table of Frequency Allocations and Utilisations. As regards utilisation the main applications are listed only and further details are in relevant parts dedicated to individual radiocommunication services.

Article 3 summarizes basic characteristics of the band 27.5–66 MHz from point of view of shared use by civil and non-civil users of frequencies and from point of view of specific physical characteristics of radio waves propagation.

In article 4 are listed international obligations, in the case of this band it mean the Radio Regulations of the International Telecommunication Union and for part of the band also HCM Agreement.

Significant utilisation of the band is operation of links and networks in the mobile service. Significant portion of spectrum is used for operation of short range devices. Conditions of use of the band by the mobile service applications are listed in part 2.

In article 5 of part 2 is described the use of radio frequencies both by applications operated on basis of previous planning parameters and by applications whose operation is compatible with harmonisation intentions. As applications of the mobile service are for frequency planning purposes considered also fixed links operated on basis of already issued authorisations for use of radio frequencies.

Article 6 indicates future development in the mobile service. Significant influence to further utilisation of frequencies in bands 48.5–56.5 MHz and 58–66 MHz has particularly termination of terrestrial analogue television transmission.

Part 3 informs about gradual termination of analogue television transmission operation and possible termination of allocation of 48.5–56.5 MHz and 58–66 MHz bands to the broadcasting service.

Part 4 fulfils formal need to inform on civil utilisation in the fixed service. In view of harmonisation aims the fixed links operated on basis of individual authorisations issued

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before date of effectiveness of this part of the Plan are considered as applications of the mobile service within framework of Article 5.

Information on amateur services contains part 5. Strengthening of importance of the band 50–52 MHz from an allocation to the amateur service point of view may be considered after full termination of television transmission.

Other parts inform about allocation to the radiolocation service and to the passive scientific services.

Article 21 sets down the effect of this Measure of General Nature taking into account implementation of Section 124 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 2 August 2010 the draft of Measure of General Nature, Part of the Radio Spectrum Utilisation Plan No. PV-P/26/xx.2010-yy, and call for submitting of observations at the discussion site. During the public consultation which lasted one month the Office did not receive any comment.

On Behalf of the Council of the  
Czech Telecommunication Office

Pavel Dvořák  
Chairman of the Council  
of the Czech Telecommunication Office  
<signed>