

Prague, 9 December 2009
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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/10/12.2009-18
of the Radio Spectrum Utilisation Plan
for the frequency band 470–960 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 470 MHz to 960 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
470–645	BROADCASTING Land mobile ^{3) 4) 5)}	Analogue and digital TV Wireless microphones MD	BROADCASTING Mobile ^{3) 4) 5)}	Digital transmission and other applications of broadcasting service SAB/SAP Wireless microphones

¹⁾ Common part of the Radio Spectrum Utilisation Plan Nr. PV/10.2005-35 published in the Telecommunication Journal 14/2005 .

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

³⁾ According to footnote 5.306 of the Radio Regulations is the band 608–614 MHz also allocated to the radio astronomy service on a secondary basis.

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645–790	BROADCASTING Land mobile 6)	Analogue and digital TV Wireless microphones	BROADCASTING Mobile 6)	Digital transmission and other applications of broadcasting service SAB/SAP Wireless microphones
790–838	BROADCASTING Mobile except aeronautical mobile 6) 7) 8)	Analogue and digital TV MD Wireless microphones	BROADCASTING MOBILE 6) 7) 8)	Digital transmission and other applications of broadcasting service Mobile networks SAB/SAP Wireless microphones
838–862	BROADCASTING MOBILE except aeronautical mobile 6) 7) 8)	Analogue and digital TV Radiolocation MD Wireless microphones	BROADCASTING MOBILE 6) 7) 8)	Digital transmission and other applications of broadcasting service Mobile networks SAB/SAP Wireless microphones
862–890	FIXED MOBILE except aeronautical mobile Radiolocation 8)	Cordless telephones PMR/PAMR GSM-R GSM	MOBILE	SRD PMR/PAMR GSM-R GSM IMT/UMTS
890–942	FIXED MOBILE except aeronautical mobile 8)	Cordless telephones PMR/PAMR GSM GSM-R	MOBILE	PMR/PAMR GSM IMT/UMTS GSM-R
42–960	FIXED MOBILE except aeronautical mobile 8)	Cordless telephones GSM	MOBILE	GSM IMT/UMTS

⁴⁾ According to footnote 5.149 of the Radio Regulations shall users of the band 608–614 MHz take all practicable steps to protect the radio astronomy service.

⁵⁾ According to footnote 5.291A of the Radio Regulations is the band 470–494 MHz also allocated to the radiolocation service on a secondary basis, the use is limited to the operation of radar sensors of wind direction and velocity.

⁶⁾ Footnote 5.312 of Radio Regulations.

⁷⁾ Footnote 5.316B of Radio Regulations.

⁸⁾ Footnote 5.317A of Radio Regulations.

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Article 3 Frequency band characteristics

Band 470–960 MHz is characterised by utilisation for TV signal dissemination via terrestrial networks on radio frequencies from 470 to 862 MHz and by usage for mobile networks in the range 870–960 MHz.

Article 4 International obligations

Provisions of the Radio Regulations⁹⁾ (hereinafter only „RR“), EC harmonisation documents, provisions of HCM Agreement¹⁰⁾ and Geneva Agreement, 2006¹¹⁾, apply to operation and coordination of radio frequencies.

Part 2 Mobile service

Article 5 Current conditions in the mobile service

(1) Within scope of the mobile service also conditions for land mobile and mobile except aeronautical mobile services according to RR provisions¹²⁾ have been set.

(2) Band 470–862 MHz is possible to use, according to the CEPT Recommendation¹³⁾, for wireless microphones and their operation is possible on basis of the General Authorisation¹⁴⁾.

(3) Sub-band 863–865 MHz is possible to use according to CEPT Recommendation¹³⁾, for wireless acoustic applications and their operation is possible on basis of the General Authorisation¹⁴⁴⁾.

(4) Sub-band 864,8–865 MHz is possible to use, according to the CEPT Recommendation¹³³⁾, for narrowband voice devices and its operation is possible on basis of the General Authorisation¹⁴⁴⁾.

(5) Sub-band 865-868 MHz is possible to use, according to the European Commission Decision¹⁵⁾ (hereinafter only “Commission”), by RFID¹⁶⁾ devices on basis of the General Authorisation¹⁴⁴⁾.

⁹⁾ Radio Regulations, International Telecommunication Union, Geneva, 2008.

¹⁰⁾ HCM Agreement – Agreement between the Administrations of Austria, Belgium, the Czech Republic, Germany, France, Hungary, the Netherlands, Croatia, Italy, Liechtenstein, Lithuania, Luxembourg, Montenegro, 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, Vilnius, 2005.

¹¹⁾ 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).

¹²⁾ Provisions Nos. 1.24 and 1.26 of RR.

¹³⁾ CEPT/ERC/REC 70-03 – Relating to the use of Short Range Devices (SRD).

¹⁴⁾ General Authorisation No. VO-R/10/06.2009-9 for the use of radio frequencies and for the operation of Short Range Devices.

¹⁵⁾ Commission Decision 2006/804/EC of 23 November 2006 on harmonisation of the radio spectrum for Radio Frequency Identification Devices (RFID) operating in the ultra high frequency (UHF) band.

¹⁶⁾ Abbreviation RFID stands for Radio Frequency Identification Device.

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(6) Sub-band 868–868.6 MHz is possible to use, according to CEPT Recommendation¹³³), for non-specific short range devices and its operation is possible on basis of the General Authorisation¹⁴⁴).

(7) Sub-band 868.6–868.7 MHz is possible to use, according to CEPT Recommendation¹³³), for alarm systems and their operation is possible on basis of the General Authorisation¹⁴⁴).

(8) Sub-band 868.7–869.2 MHz is possible to use, according to CEPT Recommendation¹³³), for non-specific short range devices and their operation is possible on basis of the General Authorisation¹⁴⁴).

(9) Sub-band 869.2–869.25 MHz is possible to use, according to CEPT Recommendation¹³³), for social alarms and their operation is possible on basis of the General Authorisation¹⁴⁴).

(10) Sub-band 869.25–869.30 MHz is possible to use, according to CEPT Recommendation¹³³), for alarm systems and their operation is possible on basis of the General Authorisation¹⁴⁴).

(11) Sub-band 869.3–869.4 MHz is possible to use, according to CEPT Recommendation¹³³), for non-specific short range devices and their operation is possible on basis of the General Authorisation¹⁴⁴).

(12) Sub-band 869.4–869.65 MHz is possible to use, according to CEPT Recommendation¹³³), for non-specific short range devices and their operation is possible on basis of the General Authorisation¹⁴⁴).

(13) Sub-band 869.65–869.70 MHz is possible to use, according to CEPT Recommendation¹³³), for alarm systems and their operation is possible on basis of the General Authorisation¹⁴⁴).

(14) Sub-band 869.7–870 MHz is possible to use, according to CEPT Recommendation¹³³), for non-specific short range devices and their operation is possible on basis of the General Authorisation¹⁴⁴).

(15) Sub-bands 870–872 / 915–917 MHz are not currently used and serve as guard bands. On their future use the Office will decide in accordance with European harmonisation.

(16) Sub-bands 872–875.8 / 917–920.8 MHz are designated for use by broadband digital technology. Number of the rights for use of radio frequencies is limited to one. Sub-bands could be used by the assignment holder for operation of one countrywide mobile network providing public electronic communications service and following conditions apply:

- a) it is possible to use only the technology which is listed in the CEPT Decision¹⁷) or a technology with the same spectral mask, i.e. which uses the radio spectrum from the emission point of view in the same manner and does not affect adjacent bands more than technology in the Decision listed. The influence of adjacent bands is always verified during the test operation;
- b) maximum e.r.p. of base stations is 200 W;

¹⁷) Decision CEPT/ECC/DEC/(04)06 - ECC Decision of 19 March 2004 on the availability of frequency bands for the introduction of Wide Band Digital Land Mobile PMR/PAMR in the 400 MHz and 800/900 MHz bands.

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- c) duplex separation is 45 MHz, sub-band 872–875.8 MHz is designated for terminals transmission, sub-band 917–920.8 MHz for base stations transmission;
- d) assignment holder is authorised within the framework of the assignment and with fulfilment of conditions mentioned under letters a) to c) to plan by himself individual radio frequencies for respective base stations taking into account international coordination conditions;
- e) terminals operation of the broadband digital technologies is possible on radio frequencies, assigned to operator of base stations by individual authorisation for use of radio frequencies, on basis of the General Authorisation¹⁸⁾;
- f) broadband digital technologies could be used in sub-bands 872–875.8 / 917–920.8 MHz on condition that no interference is caused to or protection required from radiocommunication services, technologies and applications operated in the band or in the adjacent bands in time of putting the broadband digital technology to operation if they are operated in accordance with national or international rules and in accordance with the electromagnetic compatibility standards. Broadband digital technology operator is obliged to eliminate the interference at its own costs or possibly to cease operation of the interference causing transmitting equipment.

(17) Sub-bands 875.8–876 / 920.8–921 MHz are guard bands.

(18) Sub-bands 876–880,1 / 921–925,1 MHz are according to CEPT Decision¹⁹⁾ and CEPT Recommendation²⁰⁾ designated for communication systems for railway purposes GSM-R and following conditions apply:

- a) duplex separation is 45 MHz, sub-band 876–880 MHz is designated for terminals transmission and sub-band 921–925 MHz for base stations transmission;
- b) maximum e.r.p. of base station is 350 W;
- c) sub-band 876.1–880.1 / 921.1–925.1 MHz is designated for operation with channel separation of 200 kHz;
- d) sub-band 879.9–880.1 / 924.9–925.1 MHz can be set down by the Office as a guard band against other services in adjacent frequency band;
- e) carrier radio frequencies 876.0125 MHz, 876.025 MHz, 876.0375 MHz, 876.05 MHz and 876.0625 MHz are designated for direct mode operation DMO with channel separation of 12.5 kHz;
- f) operator of the GSM-R network can be only the legal entity, which according to special legal regulation²¹⁾ manages the state property comprising the rail transport way and which is awarded by the individual authorisation for radio frequencies utilisation;
- g) GSM-R network may be used only for purposes of ensuring railway serviceability, its operation and railway transport operation²²⁾;
- h) operation of user's terminals is possible on basis of the General Authorisation²³⁾;

¹⁸⁾ General Authorisation No. VO-R/20/08.2005-32 for the operation of broadband digital transmitting equipment in the 400MHz and 800/900 MHz bands.

¹⁹⁾ Decision ECC/ECC/DEC/(02)05 - ECC Decision of 5 July 2002 on the designation and availability of frequency bands for railway purposes in the 876–880 MHz and 921–925 MHz bands.

²⁰⁾ Recommendation CEPT/ERC T/R 25–09 – Designation of frequencies in the 900 MHz band for railway purposes.

²¹⁾ Act No. 77/2002 Coll., on the Joint-stock company České dráhy, on the State organisation Správa železniční dopravní cesty, and on change of Act. No. 266/1994 on railways, as amended, and on Act. No. 77/1997, Coll., on the state enterprise, as amended.

²²⁾ Act No. 266/1994 Coll. on railways as amended.

²³⁾ General Authorisation No. VO-R/19/08.2005-31 for the operation of GSM-R network user terminals..

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- i) holder of individual authorisation for radio frequency utilisation for GSM-R network is obliged to observe the provision of paragraph (19), letter h), on mutual coordination with other operators of base stations as well as holder of radio frequency assignment.

(19) Sub-bands 880.1–914.9 / 925.1–959.9 MHz are in accordance with harmonisation documents²⁴⁾, ²⁵⁾ designated for operation of mobile communication systems providing electronics communications services in European Community (hereinafter only “Community”) with utilisation of technologies in GSM standard²⁶⁾ or of such technologies whose operation is compatible with operation of GSM systems and meet conditions of above mentioned documents (hereinafter only “compatible technologies”)²⁷⁾. Number of rights for use of radio frequencies is limited to three. Sub-bands may be by holders of assignment used for operation of countrywide mobile networks providing publicly available electronic communications service and following conditions apply:

- a) duplex separation is 45 MHz, sub-band 880.1–914.9 MHz is designated for terminals transmission and sub-band 925.1–959.9 MHz for base stations transmission;
- b) separation of centres of channels of two adjacent blocks of networks using compatible technologies is minimally 5 MHz²⁸⁾, ²⁹⁾, ³⁰⁾;
- c) separation of centre of channel of GSM network from centre of channel of adjacent network using compatible technology is minimally 2,8 MHz²⁸⁾, ²⁹⁾, ³⁰⁾;
- d) maximum e.r.p. of base station is 350 W;
- e) holder of assignment is authorised to designate by himself the individual radio frequencies for respective base stations taking into account, according to the CEPT Recommendation³¹⁾, the agreements concluded by the Office with the administrations of the neighbouring countries and mutual agreements with holders of assignments of the neighbouring countries, about which the Office was informed and approved them;
- f) operation of user’s terminals is possible on basis of the General Authorisation³²⁾;
- g) holder of assignment is obliged to coordinate by himself the use of assigned radio frequencies with other holders of assignments, whose networks use radio frequencies adjacent to his assigned frequencies, or use any other frequencies with which the coordination is necessary. Needed data for such coordination will provide the Office on basis of the application of the holder of assignment. Holder of assignment solves in cooperation with other holders of assignments also cases of the mutual interference between networks;
- h) holder of individual authorisation for use of frequencies, who intends to change the transmitting parameters of base station or plans to establish base station, is obliged

²⁴⁾ Commission Decision 2009/766/ES of 16 October 2009 on the harmonisation of the 900 MHz and 1800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community.

²⁵⁾ Directive of European Commission and Council 2009/114/ES of 16 September 2009, changing Council Directive No. 87/373/EHS on frequency bands designated for coordinated implementation of pan-European cellular digital land mobile public communication systems in the Community.

²⁶⁾ Abbreviation GSM stands for Global System for Mobile Communications.

²⁷⁾ Technologies belonging into list of 3rd Generation Mobile Communications known under abbreviation IMT (International Mobile Telecommunications – e.g. UMTS systems).

²⁸⁾ Annex of the Commission Decision 2009/766/ES of 16 October 2009 on the harmonisation of the 900 MHz and 1800 MHz frequency bands for terrestrial systems capable of providing pan-European electronic communications services in the Community.

²⁹⁾ Report of CEPT Committee for Electronic Communications: ECC Report No. 82 – Compatibility study for UMTS operating for within the GSM 900 and GSM 1800 frequency bands, Roskilde, May 2006.

³⁰⁾ Report of CEPT Committee for Electronic Communications: ECC Report No. 96 – Compatibility between UMTS 900/1800 and systems operating in adjacent bands, Krakow, March 2007.

³¹⁾ Recommendation CEPT/ECC/REC/(05)08 – Frequency planning and frequency coordination for the GSM 900, GSM 1800, E-GSM and GSM-R land mobile systems.

³²⁾ General Authorisation No. VO-R/1/12.2008-17 for the operation of user terminals in the GSM and UMTS networks.

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to adopt operational and technical measures ensuring compatibility with distance measuring systems DME³³) operating within framework of the aeronautical radionavigation service in the band above 960 MHz. Details about dislocation of aeronautical radionavigation service equipment will provide the Office on basis of application of individual authorisation holder.

- i) international coordination and national coordination with operators of other radio equipment outside of the GSM networks and compatible technologies is carried out by the Office on basis of the assignment holder application or the Office can authorise the holder of assignment to carry out coordination.

Article 6

Information on future development in the mobile service

(1) In the bands 880–915 MHz / 925–960 MHz, used by GSM networks, the implementation of networks using higher generation technologies is foreseen.

(2) The band 790–862 MHz will be at the latest till 2015 in accordance with RR footnote³⁴) also allocated to the mobile service on a primary basis. The Commission is preparing conditions for harmonised use of the 790–862 MHz band for the mobile electronic communications services³⁵).

(3) Future use of the band 470–862 MHz can be influenced by implementation of harmonisation intentions described in Article 8.

Part 3

Broadcasting service

Article 7

Current conditions in the broadcasting service

(1) The band 470–862 MHz is allocated to the broadcasting service on a primary basis. Part of the band 470–582 MHz has been designated as the IV. TV band (radio channels No. 21–34) and part 582–862 MHz as the V. TV band (radio channels No. 35–69).

(2) International obligations relating to the band utilisation arise from membership in the Community and from membership in the ITU³⁶). Other utilisation of the band governs the Geneva Agreement, 2006¹¹), which came into effect on 17 June 2007. On 17 June 2006 started the transition period, during which are protected against interference from abroad the assignments of radio frequencies for terrestrial analogue stations listed in the Plan which is included in the Part 2 of Annex 1 of the Agreement. Transitional period ends on 17 June 2015 and that day the records of the terrestrial analogue stations will be deleted from the Plan. For digital TV transmission is designated the DVB-T³⁷) system.

(3) The Community prepares acceleration of transition to digital television transmission and coordinated utilisation of digital dividend³⁸) in Member States of Community for networks and electronic communications services other than television and sound

³³) Abbreviation DME stands for Distance Measurement Equipment.

³⁴) Footnote 5.316B of RR.

³⁵) Consultation document of Commission: „Transforming the digital dividend opportunity into social benefits and economic growth in Europe, 10 July 2009”.

³⁶) Abbreviation ITU stands for International Telecommunication Union.

³⁷) Abbreviation DVB-T stands for Digital Video Broadcasting – Terrestrial.

³⁸) Digital dividend is defined in document „RSPG Opinion on the Digital Dividend” as spectrum which will be available after transition of existing terrestrial analogue television transmission to digital.

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transmission. By determination of the 790–862 MHz band for these purposes the usable assignments of Agreement Geneva, 2006, for Community Member States are reduced and reorganisation of spectrum available shall be carried out on basis of mutual bilateral and multilateral negotiations.

(4) In the Czech Republic is for terrestrial analogue television broadcasting used PAL K system with channel separation of 8 MHz and video carrier to sound carrier separation of 6.5 MHz. Radio channels for terrestrial analogue television transmission are marked as the radio channels 21–69.

(5) Issuing of the new individual authorisations for use of radio frequencies for terrestrial analogue television transmission has been suspended. In the band 470–862 MHz the transition to terrestrial digital television transmission of the DVB-T system is in progress.

(6) Allotments and transmitters for digital television transmission according to paragraph 11 can be utilised by the holder of assignment only.

(7) Individual authorisation for use of frequencies for digital transmission for transmitters mentioned in paragraph 11 can be granted when successful international and national coordination is completed.

(8) For the time being, the operation of the terrestrial digital television transmission is enabled on basis of the agreements of the relevant national administrations, which set down the conditions for such operation. Number of rights for countrywide digital transmission is currently limited to three and one right for public service multiplex³⁹⁾. The Office will consider limitation of number of rights in dependence on releasing of the radio frequencies resulting from termination of terrestrial analogue television transmission.

(9) Operator of the countrywide network for distribution of terrestrial digital television transmission shall be holder of assignment or can operate the network on basis of the holder of assignment authorisation. Holder of assignment is obliged to observe the international obligations adopted within the framework of the Geneva Agreement, 2006, to enable change of parameters of the allotments and network parameters according to conditions set down in applicable individual authorisations for use of radio frequencies as well as in the measures of the general nature issued by the Office. By the above the validity of relevant assignments is not questioned.

(10) Holder of the assignment can operate one or more transmitting equipment within the allotment on basis of the individual authorisations for use of radio frequencies issued by the Office on condition that electromagnetic field strength on border of the allotment shall not exceed the set down coordinated level, which is currently based on propagation curves published in the Recommendation ITU-R P.370⁴⁰⁾. The Office may set down the level differently according to individual situation.

(11) Terrestrial analogue transmitters with e.r.p. higher than 250 W, allotments and transmitters for digital TV distribution are as follows⁴¹⁾:

³⁹⁾ §3 Act No. 483/1991 Coll., on the Czech television, as amended.

⁴⁰⁾ Recommendation ITU-R P.370 – VHF and UHF propagation curves for the frequency range from 30 MHz to 1000 MHz.

⁴¹⁾ List of transmitters is valid on day of issue of this Part of the Plan of frequency spectrum utilisation.

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Radio channel	Analogue television transmission	Digital television transmission (Geneva Agreement, 2006, Annex 1, Part 1)
	Name	Name
Region Praha and Středočeský kraj		
23		STC-05N, STC-05S, Mladá Boleslav, Praha, Votice
24	Praha – město	
25		
26	Praha	
29	Příbram	
30	Votice	
32	Praha – Strahov	
37	Praha – město	PHA-04, Praha, Praha-město
39	Praha – Strahov	
42		PHA-02, Praha, Praha-město
44		STC-04N, STC-04S, Mladá Boleslav, Praha, Votice
46		PHA-03, Praha, Praha-město
47		PHA-01, Praha, Praha-město
54		PHA-05, Praha, Praha-město
56	Votice	
57		PHA-06, Praha, Praha-město
59		STC-06N, STC-06S, Mladá Boleslav Praha, Votice
64		PHA-07, Praha, Praha-město
66		STC-07N, STC-07S, Mladá Boleslav Praha, Votice

Region Jihočeský		
22		JCE-06, České Budějovice, Vimperk, Votice, Jihlava
25		JCE-04, České Budějovice, Vimperk, Votice, Jihlava
27	Tábor	
32	Vimperk	JCE-03, České Budějovice, Vimperk, Votice, Jihlava
33	Holubov	
36	Volary	
39	České Budějovice	JCE-01, České Budějovice, Vimperk, Votice, Jihlava
44	Tábor	
47	Vimperk	
50		JCE-02, České Budějovice, Vimperk, Votice, Jihlava
51	České Budějovice – Včelná	
65		JCE-07A, České Budějovice, Vimperk, Votice
69		JCE-07B, Jihlava

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Region Plzeňský		
22	Klatovy	
24	Domažlice	PLZ-04, Plzeň, Sušice, Domažlice
27	Plzeň – město	
31	Plzeň	PLZ-01, Plzeň, Sušice, Domažlice
35	Sušice	
40	Starý Plzenec	
46		
51	Plzeň – město	
57	Starý Plzenec	
58	Klatovy	
63		PLZ-06, Plzeň, Sušice, Domažlice
68		PLZ-07, Plzeň, Sušice, Domažlice

Region Karlovarský		
26	Cheb	KVA-04, Cheb, Jáchymov, Plzeň
35		KVA-02, Cheb, Jáchymov, Plzeň
38	Jáchymov	KVA-01, Cheb, Jáchymov, Plzeň
45		KVA-06, Cheb, Jáchymov, Plzeň
53	Cheb	
60	Mariánské Lázně	KVA-03, Cheb, Jáchymov, Plzeň
61	Karlovy Vary	KVA-07, Cheb, Jáchymov, Plzeň

Region Ústecký		
21	Chomutov	UST-05, Chomutov, Jáchymov, Ústí nad Labem
35	Chomutov	
50	Ústí nad Labem	UST-02, Chomutov, Jáchymov, Ústí nad Labem
55	Jáchymov	UST-03, Chomutov, Jáchymov, Ústí nad Labem
58		UST-04, Chomutov, Jáchymov, Ústí nad Labem
62		UST-06, Chomutov, Ústí nad Labem
69		UST-07, Chomutov, Jáchymov, Ústí nad Labem

Region Liberecký		
26		LIB-04, Liberec
28		LIB-06, Liberec
31	Liberec	LIB-01, Liberec
52		LIB-05, Liberec
60	Liberec	LIB-03, Liberec
65		LIB-07, Liberec

Region Královéhradecký		
22	Hradec Králové	KHR-06, Trutnov, Rychnov nad Kněžnou

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23	Trutnov	
34	Hradec Králové	
38		KHR-01 Trutnov, Rychnov nad Kněžnou
40	Trutnov	KHR-02 Trutnov, Rychnov nad Kněžnou
45		KHR-04 Trutnov, Rychnov nad Kněžnou
57	Hradec Králové	
60		KHR-03, Trutnov, Rychnov nad Kněžnou
61		KHR-05, Trutnov, Rychnov nad Kněžnou
67		KHR-07, Trutnov, Rychnov nad Kněžnou

Region Pardubický		
21		PAR-05, Pardubice, Rychnov nad Kněžnou, Svitavy
24	Svitavy	PAR-04, Pardubice, Svitavy, Rychnov nad Kněžnou
27		PAR-06, Pardubice, Svitavy, Rychnov nad Kněžnou
28	Rychnov nad Kněžnou	
32		PAR-03, Pardubice, Svitavy, Rychnov nad Kněžnou
33	Rychnov nad Kněžnou	
34		PAR-02, Pardubice, Svitavy, Rychnov nad Kněžnou
39	Svitavy	PAR-01, Pardubice, Rychnov nad Kněžnou, Svitavy
45	Rychnov nad Kněžnou	
58	Svitavy	
69		PAR-07, Pardubice, Rychnov nad Kněžnou, Svitavy

Region Vysočina		
25	Jihlava	
28	Třebíč	VYS-01, Jihlava, Třebíč, Pardubice
30		VYS-03, Jihlava, Třebíč, Pardubice
32	Žďár nad Sázavou	
33		VYS-05, Jihlava, Třebíč, Pardubice
35		VYS-04, Jihlava, Třebíč, Pardubice
36	Pacov	
42	Jihlava	VYS-02, Jihlava, Třebíč, Pardubice
45	Třebíč	
49	Žďár nad Sázavou	
57		VYS-06, Jihlava, Třebíč, Pardubice
59	Jihlava	
63		VYS-07, Jihlava, Třebíč, Pardubice

Region Jihomoravský		
21	Uherský Brod	
26	Mikulov	JMO-03, Brno, Hodonín, Mikulov

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29	Brno	JMO-01, Brno, Hodonín, Mikulov
30	Mikulov	
31		Brno
33	Hodonín	
35	Brno – město	
40		JMO-04, Brno, Hodonín, Mikulov
44		Brno
46	Brno	JMO-02, Brno, Hodonín, Mikulov
47	Uherský Brod	JMO-05, Brno, Hodonín, Mikulov
49	Brno – město	
50	Hodonín	Brno
51		Brno
52	Brno – město	
55	Brno – Hády	
59		JMO-06, Brno, Hodonín, Mikulov
64		JMO-07, Brno, Hodonín, Mikulov

Region Olomoucký		
31		OLO-05, Olomouc
33	Olomouc	
36	Jeseník	OLO-01, Olomouc, Jeseník
44		OLO-03, Olomouc
50	Jeseník	OLO-02, Olomouc, Jeseník
51		OLO-06, Jeseník, Olomouc
53	Jeseník	OLO-04, Jeseník, Olomouc
60	Olomouc	
65		OLO-07, Jeseník, Olomouc

Region Moravskoslezský		
26	Třinec	
27		MOS-06, Frýdek, Ostrava, Jeseník
28		MOS-02, Frýdek, Ostrava, Jeseník
31	Ostrava	
34	Nový Jičín	
37	Frýdek	MOS-01, Frýdek, Ostrava, Jeseník
42	Ostrava	
45		MOS-04, Frýdek, Ostrava, Jeseník
48	Ostrava	MOS-03, Frýdek, Ostrava, Jeseník
51	Ostrava	
52	Frýdek	
54		MOS-05, Frýdek, Ostrava, Jeseník
59	Třinec – město	
63		MOS-07, Frýdek, Jeseník, Ostrava

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Region Zlínský		
22	Zlín	ZLI-01, Valašské Klobouky, Zlín
25	Valašské Klobouky	ZLI-03, Valašské Klobouky, Zlín
33		ZLI-05, Valašské Klobouky, Zlín
41	Zlín	ZLI-04A, Valašské Klobouky
42	Valašské Klobouky	ZLI-02, Zlín, Valašské Klobouky
45		ZLI-04B, Zlín
49		ZLI-06, Valašské Klobouky, Zlín
51	Zlín	
58	Zlín	
59	Valašské Klobouky	
67		ZLI-07, Valašské Klobouky, Zlín

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

(12) Territorial demarcation of the allotments is following:

a) Name JCE-01, JCE-02, JCE-03, JCE-04, JCE-05, JCE-06

Coordinates of the border points defining the 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					



b) Name JCE-07A

Coordinates of the border points defining the allotment:

c1	490108	485905	485621	485332	485043	484754	484636	484715
c2	0150133	0145852	0145906	0145910	0145830	0145729	0145350	0144949
c1	484444	484239	484005	483723	483501	483638	483657	483826
c2	0144748	0144510	0144304	0144254	0144048	0143715	0143306	0142924
c1	483628	483436	483411	483458	483543	483549	483657	483940
c2	0142626	0142305	0141858	0141456	0141043	0140628	0140230	0140300
c1	484208	484334	484521	484620	484931	485143	485250	485451
c2	0140055	0135709	0135400	0135005	0134727	0134503	0134114	0133828
c1	485707	485835	491146	493100	493000	493300	493400	493149
c2	0133559	0133222	0134236	0134600	0135700	0140400	0141300	0143348
c1	493610	493600	493200	491800				
c2	0144016	0144600	0145600	0145500				

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c) Name JCE-07B

Coordinates of the border points defining the allotment:

c1	485444	485629	485716	485855	485916	485713	485640	485921
c2	0153248	0152934	0152535	0152210	0151805	0151523	0151118	0150936
c1	490010	490108	491800	491317	490729	490755	490529	490015
c2	0150540	0150133	0145500	0152022	0152522	0153311	0153545	0152937
c1	485727							
c2	0153609							



d) Name JMO-01, JMO-02, JMO-03, JMO-04, JMO-05, JMO-06, JMO-07

Coordinates of the border points defining the allotment:

c1	490443	490153	485714	485634	485119	484931	484845	485037
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

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c1	492211	492300	491500					
c2	0164859	0170400	0171000					



e) Name KHR-01, KHR-02, KHR-03, KHR-04, KHR-05, KHR-06, KHR-07

Coordinates of the border points defining the 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



f) Name KVA-01, KVA-02, KVA-03, KVA-04, KVA-05, KVA-06, KVA-07

Coordinates of the border points defining the 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

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c2	0122305	0122543	0122911	0123107	0123524	0123946	0124349	0124736
c1	502624	502452						
c2	0125149	0125517						



g) Name LIB-01, LIB-02, LIB-03, LIB-04, LIB-05, LIB-06, LIB-07
Coordinates of the border points defining the 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		



h) Name MOS-01, MOS-02, MOS-03, MOS-04, MOS-05, MOS-06, MOS-07
Coordinates of the border points defining the 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

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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				



i) Name OLO-01, OLO-02, OLO-03, OLO-04, OLO-05, OLO-06, OLO-07

Coordinates of the border points defining the 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) Name PAR-01, PAR-02, PAR-03, PAR-04, PAR-05, PAR-06, PAR-07

Coordinates of the border points defining the 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

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

c1	500800	500900	500800	500234	500604	500917	500704	500605
c2	0153400	0154600	0160000	0161446	0162101	0163450	0163724	0164128
c1	500743							
c2	0164456							



k) Name PHA-01, PHA-02, PHA-03, PHA-04, PHA-05, PHA-06, PHA-07
Coordinates of the border points defining the allotment:

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



l) Name PLZ-01, PLZ-02, PLZ-03, PLZ-04, PLZ-05, PLZ-06, PLZ-07
Coordinates of the border points defining the allotment:

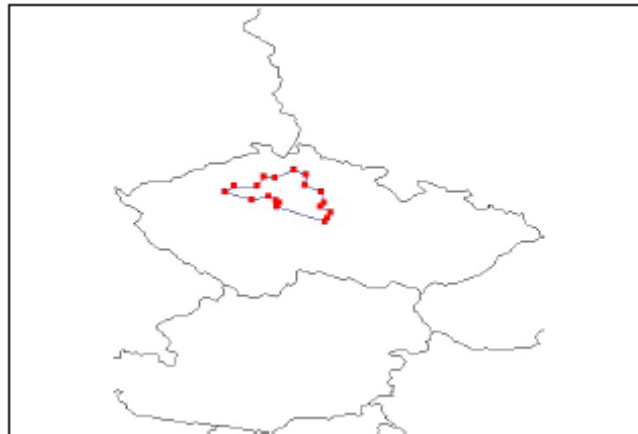
c1	500357	495600	494600	494035	493100	491146	485835	485652
c2	0132513	0135000	0134800	0134252	0134600	0134236	0133222	0132910
c1	485840	490104	490340	490539	490651	490727	491002	491151
c2	0132602	0132358	0132229	0131934	0131550	0131146	0131023	0130705
c1	491419	491556	491828	492022	491946	492016	492230	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) Name STC-01N, STC-02N, STC-03N, STC-04N, STC-05N, STC-06N, STC-07N
Coordinates of the border points defining the 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) Name STC-01S, STC-02S, STC-03S, STC-04S, STC-05S, STC-06S, STC-07S
Coordinates of the border points defining the 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) Name UST-01, UST-02, UST-03, UST-04, UST-05, UST-06, UST-07
Coordinates of the border points defining the 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) Name VYS-01, VYS-02, VYS-03, VYS-04, VYS-05, VYS-06, VYS-07
Coordinates of the border points defining the 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) Name ZLI-01, ZLI-02, ZLI-03, ZLI-05, ZLI-06, ZLI-07

Coordinates of the border points defining the 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		



r) Name ZLI-04A

Coordinates of the border points defining the allotment:

c1	490522	490200	490121	490053	485538	485526	485138	485119
c2	0180649	0180331	0175926	0175459	0175307	0174650	0174215	0173841
c1	485634	485714	490153	490443	491500	492100	492600	
c2	0173308	0172600	0171450	0170754	0171000	0172000	0173800	

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



s) Name ZLI-04B

Coordinates of the border points defining the allotment:

c1	492343	492202	491927	491714	490806	490522	492600	493229
c2	0182412	0182448	0182151	0181057	0180617	0180649	0173800	0175445
c1	492931							
c2	0181617							



Coordinates are in accordance with the Agreement Geneva, 2006, given in the IDWM⁴²⁾ system.

(13) Radio channels 29, 32, 33, 34, 40, 43, 49, 52, 53 and 54 are designated for dissemination of the public multiplex network. About conditions of concrete utilisation and about technical parameters of transmitters on particular locations will decide the Office.

(14) Allotments PHA-04, STC-05N, STC-05S, JCE-04, PLZ-04, KVA-04, UST-05, LIB-04, KHR-06, PAR-05, VYS-01, JMO-03, OLO-05, MOS-02 and ZLI-01 are designated to enable provision of the mobile multimedia services in the band 470–862 MHz⁴³⁾. Due the intensive use of the band by television transmission the number of the rights for use of radio frequencies is limited to one. Allotments are designated for transmissions of base stations of the electronic communications network through which will the services be provided.

⁴²⁾ Abbreviation IDWM stands for ITU Digitized World Map.

⁴³⁾ Opinion RSPG06-134 Final - Radio Spectrum Policy Group Opinion on The Introduction of Multimedia Services in particular in the frequency bands allocated to the broadcasting services, 25 October 2006.

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

(15) Radio frequencies not assigned by the Geneva Agreement, 2006, to the Czech Republic can be assigned only for purposes of enhancement of local coverage of territory and inhabitants by countrywide terrestrial television transmission networks or for ensuring of transition of terrestrial analogue transmission of holders of authorisations for operation of non-countrywide television transmission to terrestrial digital television transmission. Assignment of the radio frequencies to other applicants will be possible as late as after termination of transition of terrestrial analogue transmission to transmission digital.

(16) Assignment of radio frequencies pursuant to paragraph 15 is possible only to operators providing electronic communications service and if successful national and international coordination is carried out.

(17) Radio channels No. 61–69, not assigned by Geneva Agreement, 2006, the Office, taking into account their future harmonised use, will not assign to the broadcasting service with exemption of use for limited time period and only if it is necessary for realisation of transition to digital transmission. On method and date of assignment of these radio channels will decide the Office. The reading of paragraph 16 is not touched by this provision.

Article 8

Information on future development in the broadcasting service

(1) In the band 470–862 MHz will be completed procedure of transition of the terrestrial analogue television transmission to terrestrial digital television transmission. In accordance with paragraph 1, Article II., of Act No. 304/2007 Coll., by which, in connection with completion of transition from terrestrial analogue television transmission to terrestrial digital television transmission, certain Acts are amended, the provisions for transition of terrestrial analogue television transmission to terrestrial digital television transmission were laid down by Decree of Government⁴⁴). Termination of operation of analogue transmission in the Czech Republic is planned on 11 November 2011, except two geographically determined regions⁴⁵). Transition in these regions will be completed in 2012⁴⁶). Commission intention³⁵) is focused to acceleration of completion of transition to digital transmission in Community already on 1 January 2012.

(2) Transition process creates savings of the radio spectrum known as digital dividend³⁸). Intention of Commission is to enable by coordinated procedure of Community Member States the use of digital dividend for networks and services of electronic communications other than television and sound transmission⁴⁷). For implementation of broadband networks in the land mobile service will be harmonised particularly 790–862 MHz band. In case of implementation of the mobile service applications the reduction of usable spectrum in the Community Member States will occur including the spectrum allocated by the Geneva Agreement, 2006, and including spectrum available for wireless microphones and SAB/SAP⁴⁸) applications. For ensuring the availability of spectrum the agreements among Member States shall be obtained.

⁴⁴) Decree of Government No. 161/2008 Coll., on technical plan of transition of terrestrial analogue television transmission to digital terrestrial television transmission (Decree of Government on technical plan of transition).

⁴⁵) Territorial regions Jeseník and Zlín.

⁴⁶) COM(2005) 204 final – COMMUNICATION FROM THE COMMISSION TO THE COUNCIL, THE EUROPEAN PARLIAMENT, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS on accelerating the transition from analogue to digital broadcasting, Brussels, 24. 05. 2005.

⁴⁷) Commission Recommendation No. 2009/848/ES of 28 October 2009 facilitating the release of the digital dividend in the European Union.

⁴⁸) Abbreviation SAB/SAP stands for Service Ancillary for Broadcasting/Service Ancillary for Program.

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(3) In geographical areas where segments of spectrum not used by systems in broadcasting service⁴⁹⁾ will occur, their use by intelligent communication systems⁵⁰⁾ is assumed. Further development of the broadcasting service technologies⁵¹⁾ with higher spectral efficiency contributing to savings of radio spectrum is foreseen.

(4) On awarding of further rights the Office will decide after completion of transition of terrestrial analogue television transmission to digital transmission.

Part 4 **Fixed service**

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

The fixed service has no utilisation in the band 862–960 MHz in the Czech Republic.

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

It is envisaged that the allocation of the band 862–960 MHz to the fixed service will be in the future editions of the Plan of the frequency band allocations cancelled.

Part 5 **Aeronautical radionavigation service**

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

According to the RR footnote⁶⁾ the band 645–862 MHz is also allocated to the aeronautical radionavigation service on a primary basis. Utilisation of the band by applications in the aeronautical service was in the Czech Republic terminated.

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

The band 645–862 MHz is not used by the aeronautical radionavigation service in the Czech Republic.

⁴⁹⁾ Also known as „white spaces“ or „white spots“.

⁵⁰⁾ E.g. cognitive radio. At ITU, CEPT (and other organizations) level the preparation of conditions for sharing of spectrum by applications using free space in television bands is in progress.

⁵¹⁾ E.g. more advanced compression and coding algorithms focused on effective use of radio spectrum and on optimization of the broadcasting service networks co-existence with other electronic communications networks.

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Part 6
Radiolocation service

Article 13
Current conditions in the radiolocation service

(1) The band 470–494 MHz is also allocated to the radiolocation service according to RR footnote⁵²⁾ on secondary basis but for operation of wind direction and speed sensors only.

(2) The radiolocation service has no civil utilisation in the band 838–862 MHz in the Czech Republic.

Article 14
Information on future development in the radiolocation service

Future use of the band 494–890 MHz by the radiolocation service is not expected.

Part 7
Radio astronomy service

Article 15
Current conditions in the radio astronomy service

(1) Radio astronomy service is passive radiocommunication service based on receipt of the radio waves of space origin. According to the provision of the Radio Regulations⁴⁾ the users of the band 608–614 MHz shall take all practicable measures to protect radio astronomy.

(2) The radio astronomy service has no utilisation in the band 608–614 MHz in the Czech Republic.

Article 16
Information on future development in the radio astronomy service

No changes in future use of the band 608–614 MHz by the radio astronomy service are currently known.

Part 8
Final provisions

Article 17
Cancelling provision

Measure of General Nature the Part No. PV-P/10/05.2008-5 of the Radio Spectrum Utilisation Plan for the frequency band 470–960 MHz dated 7 May 2008 is cancelled.

⁵²⁾ Footnote No. 5.219A of RR.

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Article 18
Effect

This part of the Radio Spectrum Utilisation Plan comes into effect on 10 January 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/10/12.2009-18 of the Radio Spectrum Utilisation Plan (hereinafter „the part of the plan”), laying down the technical parameters and conditions of the use of radio spectrum in the frequency band from 470 MHz do 960 MHz by radiocommunication services.

The part of the plan is based on the principles set down 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 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 decisions of the Office.

The part of the plan replaces the part of the plan No. PV-P/10/05.2008–5 for the frequency band 470–960 MHz. The reason of new issue of the part of spectrum utilisation plan No. PV-P/10/12.2009-18 is in the mobile service particularly implementation of harmonisation documents for liberalisation of conditions for utilisation of the bands 880–915 / 925–960 MHz. Also there are projected intentions of Commission focused on implementation of networks and services of electronic communications other than the broadcasting service in the band 790–862 MHz. In the broadcasting service the possibilities of use of allocation of frequencies beyond Agreement Geneva, 2006, were extended subject to fulfilment of conditions set down by this Agreement. Information on frequencies and networks of television transmission in context with advanced stage of transition to terrestrial digital television transmission was updated as well. Text was updated by provisions of new issue of the Radio Regulations.

Article 1 describes subject and refers to the common part of the Radio Spectrum Utilisation Plan.

Article 2 consists of information from Plan of Frequency Bands Allocations (National Table of Frequency Allocations) completed by current utilisation by applications. At the same time is presented harmonisation intention, 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 mentioned, and further details are in parts devoted to respective radiocommunication services.

Article 3 presents characteristic of use of radio spectrum described by this part of the plan.

Article 4 contains international obligations related to the band 470–960 MHz.

In Article 5, describing the use of the bands by the mobile service applications, the conditions of networks operation are on basis of harmonisation documents modified by designation of the bands 880.1–914.9 / 925.1–959.1 MHz for implementation of mobile communication systems operated on principle of technological neutrality and service neutrality.

Article 6 with information on future development in the mobile service reflects intentions of the Commission on harmonised implementation of networks and services of

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electronic communications other than the broadcasting service in the band of so called digital dividend, i.e. in 790–862 MHz.

Taking into account the condition of effective use of radio frequencies is possible to assign radio frequencies pursuant to paragraph 16 of Article 7 after successful coordination only to operators providing electronic communications service. This ensures with linkage to § 83 of the Act No. 127/2005, Coll., on electronic communications, equal conditions for further entrepreneurs dealing with transmissions (hereinafter only “transmission entrepreneur”) and leads the operator to utilise full capacity of dispensable data stream of digital multiplex.

In Article 7 was newly inserted paragraph 7 with condition of accomplishment of international coordination before granting of individual authorisation for transmitters of television transmission.

In Article 7 was also newly inserted paragraph 15 which sets down conditions of utilisation, or allocation of radio frequencies of broadcasting service beyond framework of Agreement Geneva, 2006. These radio frequencies shall be during transition period used for completion of transition to digital television transmission of programs of existing entrepreneurs providing analogue television transmission, countrywide as well as non-countrywide, and for ensuring the possibility to enhance coverage of territory by transmitting networks for dissemination of countrywide transmission. Only after reservation of all frequencies which are necessary for transition realisation, is possible to assign the radio frequencies to new applicants.

Taking account of the condition of effective use of radio frequencies is possible to assign radio frequencies pursuant to paragraph 16 of Article 7 after successful coordination only to operators providing electronic communications service. This ensures obligation of operator to ensure equal conditions for other transmission entrepreneurs and enables to set down, that operator operating non-countrywide transmission, whom could be at the same time transmission entrepreneur, meets requirement for dissemination of programmes also of other transmission entrepreneurs up to exhausting the data stream dispensable capacity of digital multiplex.

Taking into account possibility of utilisation of the digital dividend which is under preparation, the Office also limited though paragraph 17 of Article 7 the possibility to assign radio channels 61–69 (not designated by Agreement Geneva, 2006) to the broadcasting service only for necessarily required period in cases, when it is indispensable for transition realisation.

Articles 9 and 10 inform that the fixed service applications in the band 862–960 MHz are not perspective.

In Articles 11 and 12 is projected termination of utilisation by the aeronautical radionavigation service applications in the Czech Republic.

Articles 13 and 14 provide information on the radiolocation service, Articles 15 and 16 on the radio astronomy service.

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 at the discussion site on 1 September 2009 draft of Measure of General Nature Part No. PV-P/10/xx.2009-yy of the Radio Spectrum Utilisation Plan together with a call for observations. During public consultation, which was prolonged with regard to day of issue of EC harmonised documents^{24), 25)} to 59 days, the Office received observations

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submitted by form pursuant to article 6 of the Czech Telecommunication Office's Rules for conducting consultations at the discussion site. The Office also received standpoints, commentaries and contributions, which does not comply with conditions set down by the Rules. Hearing about settlement of observations with representatives of subjects which submitted observations, representatives of Ministry of industry and trade of the Czech Republic and other participating parties took place on 18 November 2009. The observations, which the Office accepted and which factually related to the Radio Spectrum Utilisation Plan, were taken into account during elaboration of text of the measure.

Observations were focused particularly to proposed conditions of utilisation of the bands by the mobile service a broadcasting service and were also related to future development of these radiocommunication services. Content of some contributions went beyond the scope of legal authorisation of the Office for issuing the measures of general nature.

Observation about matter of obligation of operator, which is at the same time also transmission entrepreneur, to disseminate programs also of other transmission entrepreneurs under equal conditions, was accepted and is sufficiently settled by wording of the Act.

Proposal on widening of frequency bands for GSM-R technology was not accepted particularly due to utilisation of the adjacent band by holder of rights operating countrywide network providing broadband access service.

Further two observations were focused on clarification of marking of technologies, which can be operated in the bands 880.1–914.9 / 925,1–959.9 MHz and on clarification of channel separation of two adjacent GSM networks and systems, marked here by term compatible technologies. Both observations were accepted by modification of text and references to relevant documents.

Observations about specification of procedure for assignment of spectrum, about possible spectrum refarming of the band and about setting down of maximum power e.r.p. of base stations operated in the band 925.1–959.9 MHz, were not accepted. Also were not accepted proposals on more accurate formulation of future utilisation of the band 790–862 MHz marked by term of digital dividend and proposals to set down conditions for temporary or transient use of frequencies in the broadcasting service.

In area of economic competition was the Office for the protection of competition (hereinafter only "ÚOHS") asked for opinion. The ÚOHS has no any observations to submitted draft of measure of general nature.

To received contributions of commentary or standpoint character were given explanations from the side of the Office as well as of presented representatives of individual subjects.

The table of settlement, published at the discussion site, contains wording of observations and contributions and their settlement.

On behalf of the Council of the Czech
Telecommunication Office

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