

Prague 19 February 2007
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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 according to Section 10 of the Act No. 500/2004 Coll., the Administrative Regulations, as amended, and on the basis of the decision of the Council of the Czech Telecommunications Office (hereinafter „the Office”) under Section 107(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/22/02.2007-3
of the Radio Spectrum Utilisation Plan
for the frequency band 87.5–146 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 87.5 MHz to 146 MHz by radiocommunication services. This part of the Radio Spectrum Utilisation Plan is a follow-up to the Common part of the Radio Spectrum Utilisation Plan¹⁾.

Part 1
General information on the frequency band

Article 2
Frequency bands

Band (MHz)	Current conditions		Future harmonisation ²⁾	
	Allocation	Utilisation	Allocation	Utilisation
87.5–108	BROADCASTING	FM sound analogue	BROADCASTING	FM sound analogue
108–117.975	AERONAUTICAL RADIONAVIGATION ³⁾	ILS-LLZ VOR MD	AERONAUTICAL RADIONAVIGATION	ILS-LLZ VOR MD

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 covering the frequency range 9 kHz to 275 GHz, rev. Nice, 2007.

³⁾ The band 108–117.975 MHz may also be in accordance with footnote 5.197A of the Radio Regulations used by the aeronautical mobile service (R) as allocated on a primary basis, taking in account limitations specified by this footnote.

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

117.975–137	AERONAUTICAL MOBILE (R) 4) 5) 6) 7)	Distress frequency 121.5 MHz Search and rescue frequency 123.1 MHz Aeronautical applications MD	AERONAUTICAL MOBILE (R) 4) 5) 6)	Distress frequency 121.5 MHz Search and rescue frequency 123.1 MHz Aeronautical applications MD
137–137.025	AERONAUTICAL MOBILE (OR) Space operation (space-to Earth) Fixed Meteorological-satellite (space-to Earth) Mobile-satellite (space-to Earth) Space research (space-to Earth)	MD Aeronautical sport	AERONAUTICAL MOBILE (OR) METEOROLOGICAL- SATELLITE (space-to Earth) MOBILE-SATELLITE (space-to Earth) Space operation (space-to Earth) Space research (space-to Earth)	Meteorological satellites LEO systems Aeronautical sport MD
137.025– 137.175	AERONAUTICAL MOBILE (OR) Space operation (space-to Earth) Meteorological-satellite (space-to Earth) Mobile except aeronautical mobile (R) Mobile-satellite (space-to Earth)	MD Aeronautical sport	AERONAUTICAL MOBILE (OR) METEOROLOGICAL- SATELLITE (space-to Earth) Mobile-satellite (space-to Earth) Space operation (space-to Earth) Space research (space-to Earth)	Meteorological satellites LEO systems Aeronautical sport MD
137.175– 137.825	Space research (space-to Earth)		AERONAUTICAL MOBILE (OR) METEOROLOGICAL- SATELLITE (space-to Earth) MOBILE-SATELLITE (space-to Earth) Space operation (space-to Earth) Space research (space-to Earth)	Meteorological satellites LEO systems Aeronautical sport MD

⁴⁾ The band 117.975–136 MHz is in accordance with footnote 5.198 of the Radio Regulations also allocated to the aeronautical mobile-satellite (R) service on a secondary basis, subject to agreement obtained under No. 9.21.

⁵⁾ The band 121.45–121.55 MHz is in accordance with footnote 5.199 of the Radio Regulations also allocated to the mobile-satellite service for the reception on board satellites of emissions from emergency position-indicating radiobeacons transmitting at 121.5 MHz.

⁶⁾ The band 132–136 MHz is in accordance with footnote 5.201 of the Radio Regulations additionally allocated to the aeronautical mobile (OR) service on a primary basis.

⁷⁾ The band 136–137 MHz is in accordance with footnote 5.202 of the Radio Regulations additionally allocated to the aeronautical mobile (OR) service on a primary basis.

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137.825–138			AERONAUTICAL MOBILE (OR) METEOROLOGICAL- SATELLITE (space-to Earth) Mobile-satellite (space-to Earth) Space operation (space-to Earth) Space research (space- to-Earth)	Meteorological satellites LEO systems Aeronautical sport MD
138–143.6	AERONAUTICAL MOBILE (OR) LAND MOBILE Space research (space- to-Earth)	SRD MD	AERONAUTICAL MOBILE (OR) LAND MOBILE Space research (space- to-Earth)	SRD MD
143.6–143.65	AERONAUTICAL MOBILE (OR) LAND MOBILE SPACE RESEARCH (space-to-Earth)	MD	AERONAUTICAL MOBILE (OR) LAND MOBILE SPACE RESEARCH (space-to-Earth)	MD
143.65–144	AERONAUTICAL MOBILE (OR) LAND MOBILE Space research (space- to-Earth)	MD	AERONAUTICAL MOBILE (OR) LAND MOBILE	MD
144–146	AMATEUR AMATEUR-SATELLITE	Amateur applications Amateur-satellite applications	AMATEUR AMATEUR-SATELLITE	Amateur applications Amateur-satellite applications

Article 3

Frequency band characteristics

(1) For the band is characteristic intensive use for analogue sound broadcasting in the range 87.5–108 MHz. Consecutive part is important for use in aeronautical applications.

(2) Current use of the band in the Czech Republic does not differ from harmonized use in Europe and no significant changes are anticipated.

Article 4

International obligations

Provisions of Radio Regulations⁸⁾ (hereinafter only “RR”) and provisions of Berlin 2003 Agreement⁹⁾ apply to operation and coordination. Planning of broadcasting is administered by the Geneva 1984 Plan¹⁰⁾.

⁸⁾ Radio Regulations of the International Telecommunication Union, Geneva, 2004.

⁹⁾ Berlin 2003 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, Berlin, 2003.

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Part 2

Aeronautical mobile service and aeronautical mobile-satellite service

Article 5

Current conditions in the aeronautical mobile service and aeronautical mobile-satellite service

(1) In the aeronautical mobile service and aeronautical mobile-satellite service the marking (R) after name of service means a service along national and international civil air routes, (OR) outside such air routes.

(2) The band 108–117.975 MHz may be, in accordance with RR footnote³⁾, used by the aeronautical mobile (R) service on a primary basis for systems transmitting navigational information in support of air navigation and surveillance functions in accordance with recognised international aviation standards. Such use shall be in accordance with Resolution of World Radiocommunication Conference 2003¹¹⁾ and shall not cause harmful interference to nor claim protection from stations operating in the aeronautical radionavigation service which operate in accordance with international aeronautical standards.

(3) The band 117.975–137 MHz is allocated to aeronautical mobile (R) service and is in Europe intensively used for voice and data communication ground-air-ground regarding to safety and regularity of flight. The band 132–136 MHz is, in accordance with RR footnotes⁶⁾⁷⁾, also allocated to the aeronautical mobile (OR) service. The range of frequencies 117.975–136 MHz may be used also in the aeronautical mobile-satellite (R) service subject to agreement under RR provision¹²⁾.

(4) The frequency 121.5 MHz is designated for distress signals and radiotelephone distress communication.

(5) The band 121.6–121.975 MHz is reserved for connection within airport surface, except takeoffs and landings.

(6) The bands 122–123.05 MHz, 123.15–123.675 MHz and frequency 130.875 MHz are national assignments for communication in the aeronautical mobile service.

(7) The frequency 123.1 MHz is designated for search and rescue (SAR) communications.

(8) The bands 123.7–129.675 MHz and 130.9–131.975 MHz are designated for communications of approach control (APP) and area control centre of lower flight levels (ACC/L).

(9) The band 132–135.975 MHz is used for communication of area control centre of upper flight levels (ACC/U).

(10) In the band 137–138 MHz may an allocation of the aeronautical mobile (OR) service be used also for aeronautical sport subject the coordination with non-civil utilisation was successfully carried out. Coordination carries out the Office.

¹⁰⁾ Final Acts of the Regional Administrative Conference for the Planning of VHF Sound Broadcasting (Region 1 and Part of Region 3), Geneva, 1984.

¹¹⁾ Resolution 413 (WRC-03).

¹²⁾ Provision No. 9.21 of RR.

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(11) The band 138–144 MHz is allocated to the aeronautical mobile (OR) service and has no civil utilisation.

Article 6

Information on future development in the aeronautical mobile service and aeronautical mobile-satellite service

For the time being no information on the change of utilisation in the aeronautical mobile service and aeronautical mobile-satellite service is known.

Part 3

Aeronautical radionavigation service

Article 7

Current conditions in the aeronautical radionavigation service

In the aeronautical radionavigation service are in the band 108–112 MHz operated localizers of instrument landing system (ILS-LLZ) with systems link to band 328.6–335.4 MHz where are operated glide path beacons for instrument landing system (ILS-GP) and the band 960–1215 MHz where is operated distance measuring equipment (DME). In the band 108–117.975 MHz are operated navigational VHF omnidirectional radio range beacons with systems link to the band 960–1215 MHz (DME).

Article 8

Information on future development in the aeronautical radionavigation service

For the time being no information on the change of utilisation in the aeronautical radionavigation service is known.

Part 4

Land mobile service and mobile service except aeronautical mobile (R)

Article 9

Current conditions in the land mobile service and mobile service except aeronautical mobile (R)

(1) The band 87.5–108 MHz may be, in accordance with Recommendation CEPT¹³), used by short range devices for wireless audio applications on basis of the General Authorisation¹⁴).

(2) In the land mobile service and mobile service except aeronautical mobile (R) the band 138.2–138.45 MHz may be, in accordance with Recommendation CEPT¹³), used by non-specific short range (SRD) stations on basis of the General Authorisation¹⁴).

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

¹⁴) General Authorisation No. VO-R/10/09.2007-4 for the use of radio frequencies and for the operation of short range devices.

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Article 10

Information on future development in the land mobile service and mobile service except aeronautical mobile (R)

For the time being no information on the change of utilisation in the land mobile service and mobile service, except aeronautical mobile (R), is known.

Part 5

Mobile-satellite service

Article 11

Current conditions in the mobile-satellite service

(1) The band 121.45–121.55 MHz is, in accordance with RR footnote⁵⁾, allocated to the mobile-satellite service for the reception on board satellites of emission from emergency position-indicating radiobeacons (EPIRB) transmitting at 121.5 MHz. The frequency 121.5 MHz may be, in accordance with RR footnote¹⁵⁾ and procedures applying for terrestrial radiocommunication services, used for search and rescue operations concerning manned space vehicles.

(2) Use of the band 137–138 MHz by the mobile-satellite service in the space-to-Earth direction is, according to RR footnote¹⁶⁾, subject to coordination under RR provision¹⁷⁾. RR footnote¹⁸⁾ for protection of the radio astronomy service applies and the utilisation is, in accordance with RR footnote¹⁹⁾, limited to non-geostationary-satellite systems. Systems on low-altitude Earth orbits (LEO) in the mobile-satellite service are designated for low capacity data communications, delivery of messages, determination of position and other “non-voice” applications for individual users with worldwide coverage for reception on personal terminals.

Article 12

Information on future development in the mobile-satellite service

Implementation of low-altitude Earth orbiting systems in the 137–138 MHz band is in Europe harmonised by CEPT Decision²⁰⁾, which has particularly ensure supervision under development of these systems

Part 6

Broadcasting service

Article 13

Current conditions in the broadcasting service

(1) The band 87.5–108 MHz is allocated to the broadcasting service on a primary basis.

¹⁵⁾ Footnote 5.111 of RR.

¹⁶⁾ Footnote 5.208 of RR.

¹⁷⁾ Provision 9.11A of RR.

¹⁸⁾ Footnote 5.208A of RR.

¹⁹⁾ Footnote 5.209 of RR.

²⁰⁾ CEPT/ERC/DEC(99)06 – ERC Decision of 10 March 1999 on the harmonised introduction of satellite personal communication systems operating in the bands below 1 GHz.

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(2) Broadcasting in this band shall solve sharing problem with aeronautical radionavigation service (ILS/VOR systems) operating in neighbouring band. Due to importance of these applications for aircraft operations safety their protection from broadcasting shall be ensured. Operation of radio transmitting equipment is possible on basis of individual authorisation issued by the Office upon positive result of national and international coordination within broadcasting service framework and coordination with aids of the aeronautical radionavigation service in neighbouring band.

Article 14

Information on future development in the broadcasting service

In the long term outlook the transition from FM broadcasting to digital transmission can be anticipated, the terrestrial digital broadcasting system (T-DAB) is supposed, but in Europe are carried out also experiments in this band with other system named Digital Radio Mondial (DRM).

Part 7

Fixed service

Article 15

Current conditions in the fixed service

The band 137–138 MHz is allocated to the fixed service on a secondary basis. The fixed service has no civil use in this band in the Czech Republic.

Article 16

Information on future development in the fixed service

Cancellation of allocation to the fixed service in the Czech Republic is supposed on 31 December 2007.

Part 8

Amateur service and amateur-satellite service

Article 17

Current conditions in the amateur service and amateur-satellite service

The band 144–146 MHz is allocated to the amateur service and amateur–satellite service on a primary basis. Operation of amateur and amateur-satellite service is governed by the special legal measure²¹).

Article 18

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

For the time being no information on the change of utilisation in the amateur service and amateur-satellite service is known.

²¹⁾ Decree No. 156/2005 Coll., on the technical and operating conditions of the amateur radio communication service.

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Part 9
Space operation service

Article 19
Current conditions in the space operation service

The band 137–138 MHz is allocated to the space operation service.

Article 20
Information on future development in the space operation service

For the time being no information on the change of utilisation in the space operation service is known.

Part 10
Space research service

Article 21
Current conditions in the space research service

The band 137–144 MHz is allocated to the space research service.

Article 22
Information on future development in the space research service

For the time being no information on the change of utilisation in the space research service is known.

Part 11
Meteorological-satellite service

Article 23
Current conditions in the meteorological-satellite service

The band 137–138 MHz is allocated to the meteorological-satellite service for transmission of information from satellites.

Article 24
Information on future development in the meteorological-satellite service

For the time being no information on the change of utilisation in the meteorological-satellite service is known.

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Part 12
Final provision

Article 25
Cancelling

The Measure of General Nature – Part No. PV-P/22/10.2005-40 for the frequency band 87.5–146 MHz is cancelled.

Article 26
Effect

This part of the Radio Spectrum Utilisation Plan comes into effect on fifteenth day after the publication in the Telecommunication Journal.

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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/22/02.2007-3 of the Radio Spectrum Utilisation Plan (hereinafter „the part of the plan”), laying down the technical characteristics and conditions of the use of radio spectrum in the frequency band from 87.5 MHz to 146 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. The reason for issue of this revision is to insert new paragraph 1 into Article 9 and to clarify the Article 5 by adding the condition of successful coordination.

Article 2 consists of information from National Table of Frequency Allocations amended by current utilisation of applications. Column “Future harmonisation” presents future intentions, i.e. allocation to services and utilisation by applications according to ERC Report 25: European Table of Frequency Allocations and Utilisations. More details about applications are in relevant articles on individual radiocommunication services.

Article 3 presents characteristics of the frequency band together with information common to radiocommunication services using the described band.

Article 4 contains international obligations which in this case are determined by the Radio Regulations of the International Telecommunication Union, the Berlin 2003 Agreement and for broadcasting service the Geneva 1984 Plan, on basis of which the Office carries out the management of radio spectrum.

The most significant use of the band is operation of applications critical for safety of aircraft operations in the aeronautical mobile service framework, which are described in Part 2. These applications mean restrictions for utilisation of adjacent band for FM broadcast and possibilities for coordination of new frequencies for VHF stations.

In the Part 6, Article 13, paragraph 3, the Office on basis of discussion with Council for radio and TV broadcasting proposed, that issuing of individual authorisations for utilisation of not yet assigned radio frequencies will be suspended for period 6 months. The reason is that the Czech Radio, broadcaster providing public service, is not able to fulfil requirements given by the Act with either in the past reserved, or with currently used frequencies. The Office is prepared to order such study but due to relevance of results it is necessary to suspend assigning of radio frequencies in this band.

Information on further radiocommunication services to which the band is allocated is contained in subsequent parts.

On the basis of Section 130, paragraph 3, of the Act the Office consulted draft of the Measure of General Nature Part No. PV-P/22/02.2007-3 of the Radio Spectrum Utilisation Plan with entity concerned, the Council for radio and TV broadcasting.

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On the basis of Section 130 of the Act and in accordance with the Czech Telecommunication Office's Rules for conducting consultations with the entities concerned at the Discussion Site, the Office published at the Discussion Site a draft Part No. PV-P/22/xx.2006-yy of the Radio Spectrum Utilisation Plan together with a call for comments on 22 December 2006.

To the draft text the Office received 4 comments to the paragraph 3 of Article 13 concerning the 6 month suspension period, during which operators except of operators-at-law can not obtain new individual authorisations. Remarks were accepted and the paragraph was omitted. The Office will accede to the required analysis of radio spectrum utilisation in the 87.5 to 108 MHz band because it is necessary for ensuring the effective utilisation of spectrum. To the interruption of the administrative procedure concerning an application for the issue of individual authorisation for use of radio frequencies for the period necessarily needed the Office will accede in cases when from the nature of procedure it will be necessary.

Next comment followed from consultation with Ministry of defence and on basis of it the condition of coordination of frequency for aeronautical sport was amended into paragraph 10 of Article 5. Also was taken into account an opinion published on Discussion Site of internet web sites of the Office and into Article 9 was amended paragraph 1 laying down possibility to use radio frequencies in range of 87.5–108 MHz for short range devices for wireless audio applications on basis of General Authorisation.

On behalf of Council of the Czech Telecommunication Office:
PhDr. Pavel Dvořák, CSc.
Chairman of the Council
of the Czech Telecommunication Office
<signed>