



**Czech Telecommunication Office**  
with headquarters at Sokolovská 219, Prague 9  
P.O. Box 02, Prague 025, Postcode 225 02

Prague, 18 November 2008  
Ref.: 87 988/2008-613

On the basis of public consultations under section 130 of the Act 127/2005 Coll., on electronic communications and on amendments to certain related acts (the Electronic Communications Act), as later amended, and Act No 500/2004 Coll., the Administrative Code, as later amended, and on the basis of decision of the Council of the Czech Telecommunication Office (hereinafter referred to as the "Office") under Section 107(8)(b)(2) of the Act, and in order to implement Section 9 of the Act, the Office as the appropriate state administration body under Section 108(1)(b) of the Act issues by a Measure of General Nature this

**General Authorisation No VO-R/24/11.2008-16  
for the operation of equipment of infrastructure for transmitting radio signals  
inside tunnels and internal premises of buildings**

**Article 1  
Introductory provisions**

The apparatus operating conditions <sup>1)</sup> relating to the operation of the transmitting radio equipment – repeaters which are a part of the equipment infrastructure for local additional coverage of constructions, i.e., tunnels and internal spaces of buildings by a signal transmitted inside these constructions (referred to hereinafter as "stations") by natural or juristic persons (referred to hereinafter as "user") by means of electronic communication networks the operators of which have been issued an individual authorisation for the use of radio frequencies is designated by the Act and this General Authorisation pursuant to section, paragraph 1 of the Act.

**Article 2  
Factual common conditions**

The factual conditions related to Section 10(1)(n) are as follows:

- a) stations may be operated without individual authorisation for the use of radio frequencies;
- b) stations only boost the signals transmitted by networks the operators of which have been granted an individual authorisation for use of radio frequencies;
- c) in a case where in the context of an individual authorisation for use of radio frequencies the geographic territory has been defined, it is possible to use radio frequencies and operate stations only on these territories;

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<sup>1)</sup> Sections 73 to 75 of the Act.

d) stations may not cause the harmful interference of priority radiocommunication services <sup>2)</sup> and have no protection against harmful interference from the transmitting radio stations of another radiocommunication service operated on the basis of an individual authorisation for the use of radio frequencies or from other stations of the same service already put into operations;

e) stations may be neither electrically nor mechanically modified <sup>3)</sup>.

### **Article 3** **Specific conditions for stations intended for additional coverage of constructions with signal of broadcast service**

(1) The stations serve for the additional coverage of road and railway tunnels and the internal spaces of buildings by signals of the broadcast service transmitted one way.

(2) Stations are operated with transmitting antennae located inside a construction consisting of one or more radiating cables or one or more individual antennae...

(3) In road and rail tunnels it is also possible to ensure additional coverage of the digital radio service signal. In other constructions it is possible to ensure additional coverage only of the digital terrestrial radio service signal (so-called DVB and DAB repeaters).

(4) Stations only boost the signal available in the proximity of the construction. A change of signal (content of transmission) is possible only in road and rail tunnels in the case of the passing on of warnings, instructions or information necessary for safety or protection of users of these tunnels according to the valid regulations for technological equipment of tunnels <sup>4)</sup>.

(5) Stations may not interfere with the receipt of radio or television signals outside the construction, including the area around tunnel mouths.

### **Article 4** **Specific conditions for stations intended for additional coverage by signal of network of terrestrial mobile service**

(1) Stations serve for the additional coverage of internal spaces of buildings and road or rail tunnels by signals of the networks of a terrestrial mobile service (for example, mobile telephone network, TETRA, trunk networks etc.).

(2) Stations are operated with transmitting antennae located inside a building or tunnel consisting of one or more radiating cables or one or more individual antennae.

(3) Stations can be operated only on the basis of the written consent of the operators of the networks the signal of which the stations provides additional coverage for. Written consent is not necessary for the diffusion of signals of transmitting networks serving for the ensuring of fire protection, public order and security of inhabitants.

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<sup>2)</sup> Point 5.25 of the Frequency Band Allocation Plan (national frequency table), Czech Telecommunication Office ref. No 21047/04-605.

<sup>3)</sup> Section 4(5) of the Government Order No. 426/2000 Coll., laying down the technical requirements for radio and telecommunication terminal equipment, as amended.

<sup>4)</sup> ČSN 73 7507 – Design of road tunnels; ČSN 73 7508 – Rail tunnels.

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

(4) Stations must not interfere with the operation of any networks of electronic communications outside the buildings or tunnels, including the area around their mouths.

#### **Article 5** **Final provisions**

Also considered as a station complying with the Government Order No. 426/2000 Coll., laying down the technical requirements for radio equipment and telecommunication terminal equipment, as amended, is any station for which the Office decided to approve the radio equipment in accordance with Section 10 of the Act No. 151/2000 Coll., on Telecommunications and on Amendment to Other Acts, as amended, provided that such a station was released to the market before 1 April 2003.

#### **Article 6** **Effect**

This General Authorisation shall come into effect on the fifteenth day after its publication in the Telekomunikační věstník.

## Explanatory Memorandum

To implement Section 9 of the Act, the Office issues General Authorisation No. VO-R/24/11.2008-16 for the operation of equipment of infrastructure for transmitting radio signals inside tunnels and internal premises of buildings (referred to hereinafter as "General Authorisation").

The General Authorisation is based on the principles set out in the Act, the frequency allocation plans and the harmonisation intentions of the European Communities.

Article 2 contains the Specific Conditions of operation of infrastructure devices for the diffusion of radio signals inside constructions which are set out in articles 3 and 4 for the individual types of device. These conditions are based on the directive of the European Parliament and of the Council No 1999/5/EC, on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity – and on the requirements resulting from exercising radio spectrum administration. Within the meaning of Article 5, the provisions of these regulations do not hinder the operation of the equipment released to the market before the effective date hereof. Article 6 designates the effectiveness of the General Authorisation.

The purpose of the General Authorisation is to allow the receipt of radio broadcasts and communications via the network of a terrestrial mobile service in rail and road tunnels and in buildings. This requirement is based on legal regulations dealing with the requirements for construction and equipping of tunnels and from the suggestion of the Fire Brigade, tunnel operators and manufacturers/importers of Devices. Additional coverage by a signal in buildings may then, for example, replace the current common television antennae, and after the introduction of mobile multimedia applications (for example DVB-H system) there is an assumption of the further need of this coverage.

The General Authorisation is issued with unlimited effectiveness. Should there occur changes in the facts on the basis of which the General Authorisation was issued, or should it be necessary to adhere to the requirements arising from the membership of the Czech Republic in international organisations or for ensuring the defence and security of the state, the General Authorisation may be amended or cancelled, and this shall be done in a lawful manner.

On the basis of Section 130 of the Act and in accordance with the Czech Telecommunication Office's Rules for consultations with the affected parties, the Office published on 16 October 2008 at the discussion site its draft General Authorisation No., which issues General Authorisation No VO-R/24/XX.2008-Y for the operation of infrastructure equipment for the diffusion of radio signals inside tunnels and internal spaces of buildings and an invitation for comments on the draft General Authorisation to be posted at the discussion site.

In the context of public consultations the Office received no comments.

*[Round stamp: Czech Telecommunication Office]*

On behalf of the Council of the Czech  
Telecommunication Office  
PhDr. Pavel Dvořák, CSc.  
Chairman of the Council  
of the Czech Telecommunication Office

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