

Pursuant to Article 19, paragraph 2, and in regard to Article 72, paragraph 6 of the Telecommunications Law (*Official Gazette of the Republic of Serbia* number 44/03 and 36/06) and pursuant to Article 18, item 11 of the Statutes of the Republic Telecommunication Agency (*Official Gazette of the Republic of Serbia* number 78/05), the Managing Board of the Republic Telecommunication Agency, at its session held on 12 January 2007, adopted the

## **RULES**

### **ON RADIO FREQUENCY USAGE FEES**

#### **1. CONTENTS**

##### *Article 1*

These Rules define the amount of radio frequency usage fee for radio station in broadcasting service, for radio station in mobile and fixed service, for radio station in public services, for radio station in satellite service and for other radio stations.

#### **2. RADIO FREQUENCY USAGE FEE FOR RADIO STATION IN BROADCASTING SERVICE**

##### *Article 2*

Annual frequency usage fee for broadcasting station shall be determined according to the following formula:

$$N = O \times A \times Kr \times V \times G$$

where:

**N** – amount of annual fee;

**O** – fee calculation base – 45.00 (forty five) dinars;

**A** – number of inhabitants in the service area;

**Kr** – area development level covered by the service area of the radio network:

- a) developed area - coefficient 0.4;
- b) medium developed area - coefficient 0.3;
- c) less developed area - coefficient 0.2;
- d) undeveloped area - coefficient 0.1.

**V** – type of signal:

- a) for audio signal - coefficient 0.01;
- b) for video signal - coefficient 0.1;
- c) for digital audio signal (multiplex) per frequency block - coefficient 0.025;
- d) for digital audio signal (multiplex) - coefficient 0.1.

**G** – mode of radio-frequency usage:

- a) if the radio frequency is used by a local broadcasting station - coefficient 1;
- b) if the radio frequency is used in a radio network - coefficient 1.5;
- c) for second and any further radio frequency on which different programs are broadcast - coefficient 1.5;
- d) for shared use of one radio frequency - coefficient 1.5 multiplied by % of time of the radio frequency usage.

### **3. RADIO FREQUENCY USAGE FEE FOR RADIO STATION IN MOBILE AND FIXED SERVICE**

#### *Article 3*

Annual fee for usage of one frequency for a radio station in simplex, semiduplex and duplex radio network shall be determined according to the following formula:

$$N = O \times K_n \times K_r \times K_s$$

where:

**N** – amount of annual fee;

**O** – fee calculation base – 100,000.00 (one hundred thousand) dinars;

**K<sub>n</sub>** – radio network:

- a) simplex – coefficient 0.5;
- b) semiduplex or duplex – coefficient 1;
- c) combination of two or more radio networks with different operation modes – coefficient 2.

**K<sub>r</sub>** - area development coefficient covered by the service area of the radio network:

- a) developed area - coefficient 0.4;
- b) medium developed area - coefficient 0.3;
- c) less developed area - coefficient 0.2;
- d) undeveloped area - coefficient 0.1.

**K<sub>s</sub>** - number of stations in the radio network:

- a) up to 100 - coefficient 1;

- b) up to 200 - coefficient 2;
- c) up to 400 - coefficient 3;
- d) over 400 - coefficient 5.

#### *Article 4*

Annual fee in telecommunications network for usage of one radio frequency for microwave station shall be determined according to the following formula:

$$N = O \times K_s$$

where:

**N** – amount of annual fee;

**O** – fee calculation base – 20,000.00 (twenty thousand) dinars;

**K<sub>s</sub>** – purpose of the radio network in which radio station is used determined by the respective channel width as follows:

- a) up to 180 kHz - coefficient 0.1;
- b) from 180 kHz to 700 kHz - coefficient 0.2;
- c) from 700 kHz to 1.75 MHz - coefficient 0.3;
- d) from 1.75 MHz to 3.5 MHz – coefficient 0.4;
- e) from 3.5 MHz to 7 MHz – coefficient 1;
- f) from 7 MHz to 14 MHz – coefficient 2;
- g) from 14 MHz to 28 MHz – coefficient 3;
- h) from 28 MHz to 40 MHz – coefficient 4;
- i) over 40 MHz – coefficient 5.

### **4. RADIO FREQUENCY USAGE FEE FOR RADIO STATION IN PUBLIC TELECOMMUNICATION NETWORK**

#### *Article 5*

Annual fee in broadband telecommunications network for usage of radio frequency for one base station in duplex network per assigned channel shall be determined according to of the following formula:

$$N = O \times K_c \times K_p$$

where:

**N** – amount of annual fee;

**O** – fee calculation base 100,000.00 (one hundred thousand) dinars;

**K<sub>c</sub>** - coefficient of channel width:

- a) for channel width 200 kHz - coefficient 1;
- b) for channel width 1.25 MHz - coefficient 7.

**Kp** - coefficient of the number of subscribers:

- a) up to 500 subscribers – coefficient 0.5;
- b) up to 1000 subscribers – coefficient 1;
- c) up to 5,000 subscribers – coefficient 1.5;
- d) up to 10,000 subscribers – coefficient 2;
- e) over 10,000 subscribers – coefficient 2.5.

### *Article 6*

Annual fee in public mobile telecommunication network for usage of one frequency for base station in duplex network per assigned channel (GSM-900, DCS/1800, UMTS/IMT-2000 and public paging) shall be determined according to the following criteria:

$$N = O \times Kc \times Kp$$

where:

**N** – amount of annual fee;

**O** - base – 100,000.00 (one hundred thousand) dinars;

**Kc** - purpose of the radio network in which radio station is used determined by the respective channel width as follows:

- a) for channel width 200 kHz (GSM-900) - coefficient 2;
- b) for channel width 200 kHz (DCS-1800) - coefficient 1;
- c) for channel width 5 MHz (UMTS/IMT-2000) - coefficient 50;
- d) for channel width 25 kHz (public paging) - coefficient 0.5.

**Kp** - total number of subscribers:

1) for GSM-900, DCS-1800 and UMTS/IMT-2000:

- a) up to 500,000 subscribers - coefficient 0.5;
- b) up to 1,000,000 subscribers - coefficient 1;
- c) up to 1,500,000 subscribers - coefficient 1.5;
- d) up to 2,000,000 subscribers - coefficient 2;
- e) over 2,000,000 subscribers - coefficient 2.5.

2) for long range public paging:

- a) up to 500 subscribers - coefficient 1;
- b) over 500 subscribers - coefficient 2.

## **5. RADIO FREQUENCY USAGE FEE FOR SATELLITE RADIO STATION**

### *Article 7*

Annual fee for radio frequency usage for radio station in satellite service shall be determined according to the following criteria:

$$N = O \times Kk$$

where:

**N** – amount of annual fee;

**O** - base – 120,000.00 (one hundred and twenty thousand) dinars;

**Kk** - coefficient of type of radio station:

- a) earth station - coefficient 1;
- b) central (VSAT –HUB) earth station within a telecommunications network – coefficient 0.9;
- c) VSAT earth station with VSAT-HUB outside the territory of the Republic of Serbia – coefficient 0.7;
- d) portable earth station (VSAT/SNG and other) - coefficient 0.35;
- e) VSAT earth station within a telecommunications network – coefficient 0.15;
- f) VSAT earth station receiver designed for further signal broadcasting within a cable distribution network, broadcasting network or and other telecommunications network - coefficient 0.1.

## **6. FEE FOR RADIO FREQUENCY USAGE FOR OTHER RADIO STATIONS**

### *Article 8*

Annual fee for radio frequency usage for radio station on board of aircraft, ship, other vessels and locomotive shall be determined according to the following formula:

$$N = O \times Kb$$

where:

**N** – amount of annual fee;

**O** – fee calculation base – 10,000.00 (ten thousand) dinars;

**Kb** - number of used frequency bands for:

- a) radio stations operating only in VHF band - coefficient 0.2;
- b) radio stations operating in UHF and VHF band - coefficient 2;
- c) radio devices operating in the following bands: SHF, UHF, VHF, HF, MF coefficient 6;
- d) radio station on locomotive – coefficient 0.5.

### ***Article 9***

Annual fee for radio frequency usage for radio station on land intended for: safety of aerial navigation, safety of inland waterway navigation, radio navigation, radio determination, radio location, meteorological and hydrological observation and research and scientific and other purposes shall amount to 20,000.00 (twenty thousand) dinars.

Annual fee for radio frequency usage for radio station referred to in paragraph 1 herein which uses radio frequencies within the assigned frequency band, shall amount to 30,000.00 (thirty thousand) dinars per radio station.

### ***Article 10***

Annual fee for base station in radio network with wireless access, per assigned channel, shall be determined according to the following formula:

$$N=O \times Kc \times Kr \times Km$$

where:

**N** – amount of annual fee;

**O** – fee calculation base for wireless access of subscribers to fixed network – 30,000.00 (thirty thousand) dinars;

**Kc** – purpose of radio network in which radio station is used determined by the respective channel width, as follows:

- a) for channel width 3.5 MHz in bands of 3.4-3.6 GHz and 3.6-3.8 GHz - coefficient 1.5;
- b) for channel width 14 MHz in bands of 24.5-26.5 GHz and 27.5-29.5 GHz - coefficient 1.5;

- a) for channel width 28 MHz in bands of 24.5-26.5 GHz and 27.5-29.5 GHz - coefficient 3.

**Kr** - development coefficient for area covered by service:

- a) developed area - coefficient 0.4;
- b) medium developed area - coefficient 0.3;
- c) less developed area - coefficient 0.2;
- b) undeveloped area - coefficient 0.1.

**Km** –number of base stations:

- a) up to 3 – coefficient 1;
- b) up to 10 – coefficient 3;
- c) up to 20 – coefficient 5;
- d) up to 50 – coefficient 7;
- e) over 50 – coefficient 10.

Annual fee for base station in radio network with broadband data transfer and wireless access (WAS/RLANs), apart from bands referred to in paragraph 1 herein, amounts to 50,000.00 (fifty thousands) dinars.

### ***Article 11***

The amount of fee for temporary usage of frequencies shall amount to 20 % of the annual radio frequency usage fee set out herein.

## **7. TRANSITORY AND FINAL PROVISION**

### ***Article 12***

As of the day these Rules come into force, the Rules on fees for radio frequency usage (*Official Gazette of RoS*, no. 8/06) shall cease to have effect.

### ***Article 13***

These Rules shall be published in the *Official Gazette of the Republic of Serbia* upon the Government approval and shall come into force on the eight day following the day of the publication.

**Number: 1-01-110-1/07**  
**Belgrade, 12 January 2007**

**Chairman of the Managing Board**

**Prof. Dr. Jovan Radunović**