

Pursuant to Article 19, paragraph 2, and in regard to Article 72 para. 5 and 6 of the Telecommunications Law (“*Official Gazette of the Republic of Serbia*“, nos. 44/03, 36/06 and 50/09-CC) and Article 18, item (11) of the Statute of the Republic Telecommunications Agency (“*Official Gazette of the Republic of Serbia*“, no. 78/05),

the Managing Board of the Republic Telecommunications Agency, in its session held on 25th December 2009, 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 telecommunications network, 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:

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

where:

N – amount of annual fee;

O – fee calculation base – 40.00 (forty) dinars;

A – number of inhabitants in the service area;

K_r – area development coefficient covered by the service area of the radio network:

a) undeveloped area – coefficient 0.1

b) other areas – coefficient 0.2.

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 video 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 is multiplied by (%) of time of the radio frequency usage

3. RADIO FREQUENCY USAGE FEE FOR RADIO STATIONS 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_n – radio network:

- a) simplex – coefficient 0.5;
- b) semiduplex and duplex – coefficient 1;

K_r – area development coefficient covered by the service area of the radio network:

- a) undeveloped area – coefficient 0.1
- b) other areas – coefficient 0.2.

K_s – number of radio 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 for usage of one radio frequency for radio relay station is determined according to the following formula:

$$N = O \times K_c \times K_f$$

where:

N – amount of annual fee;

O – fee calculation base 16,000.00 (sixteen thousand) dinars;

K_c – purpose of the radio network in which radio station is used determined by the respective channel (B) width, as follows:

- a) $B \leq 180$ kHz – coefficient 0.1;
- b) $180 \text{ kHz} < B \leq 700$ kHz – coefficient 0.2;
- c) $700 \text{ kHz} < B \leq 1.75$ MHz – coefficient 0.3;
- d) $1.75 \text{ MHz} < B \leq 3.5$ MHz – coefficient 0.4;
- e) $3.5 \text{ MHz} < B \leq 7$ MHz – coefficient 1;
- f) $7 \text{ MHz} < B \leq 14$ MHz – coefficient 2;
- g) $14 \text{ MHz} < B \leq 28$ MHz – coefficient 3;
- h) $28 \text{ MHz} < B \leq 40$ MHz – coefficient 4;
- i) $B > 40$ MHz – coefficient 5.

K_f – purpose of the radio network in which the radio station is used, determined by the frequency band as follows:

- a) $f \leq 10$ GHz – coefficient 1;
- b) $10 \text{ GHz} < f \leq 20$ GHz – coefficient 0.8;
- c) $20 \text{ GHz} < f \leq 30$ GHz – coefficient 0.6;
- d) $f > 30$ GHz – coefficient 0.5.

where f stands for radio frequency realized in GHz.

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

- a) for channel width 200 kHz – coefficient 1;

b) for channel width 1.25 MHz – coefficient 7.

K_p – number of subscribers p :

- a) $p \leq 500$ subscribers – coefficient 0.5;
- b) $500 < p \leq 1,000$ subscribers – coefficient 1;
- c) $1,000 < p \leq 5,000$ subscribers – coefficient 1.5;
- d) $5,000 < p \leq 10,000$ subscribers – coefficient 2;
- e) $p > 10,000$ subscribers – coefficient 2.5.

Article 6

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

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

where:

N – amount of annual fee;

O – fee calculation base –90,000.00 (ninety thousand) dinars;

K_c – purpose of the radio network in which the radio is used determined by 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 25;

K_p – number of subscribers p :

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

- a) $p \leq 1,000,000$ subscribers – coefficient 0.5;
- b) $1,000,000 < p \leq 1,500,000$ subscribers – coefficient 1;
- c) $1,500,000 < p \leq 2,000,000$ subscribers – coefficient 1.5;
- d) $2,000,000 < p \leq 3,000,000$ subscribers – coefficient 2;
- e) $p > 3,000,000$ subscribers – coefficient 2.5.

5. RADIO FREQUENCY USAGE FEE FOR STELLITE

RADIO STATION

Article 7

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

$$N = O \times K_k$$

where:

N – amount of annual fee;

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

K_k – 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) transportable 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 cable distribution network, broadcasting network and other telecommunications networks – 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:

$$N = O \times K_b$$

where:

N – amount of annual fee;

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

K_b – 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 1.5;
- c) radio stations operating in SHF, UHF and VHF band – coefficient 3;
- d) radio stations operating in bands: SHF, UHF, VHF, HF, MF – coefficient 4;
- e) 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 for scientific or other purposes, shall amount to 20,000.00 (twenty thousand) dinars per radio station.

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

Annual fee for radio frequency usage for radio stations used by: ambulance, healthcare institutions, the Red Cross of Serbia, fire brigade, anti-hail protection services, mountain rescue services and other services for national emergencies shall amount to 1,000.00 dinars per radio station.

Article 10

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

$$N = O \times K_c \times K_r$$

where:

N – amount of annual fee;

O – fee calculation base – 150,000.00 (one hundred and fifty thousand) dinars;

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

- a) for channel width ≤ 3.5 MHz in bands 3.4-3.6 GHz and 3.6-3.8 GHz – coefficient 1.5;
- b) for channel width 14 MHz in bands 24.5-26.5GHz and 27.5-29.5GHz – coefficient 1.5;
- c) for channel width 28 MHz in bands 24.5-26.5GHz and 27.5-29.5 GHz – coefficient 3.

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

- a) undeveloped area – coefficient 0.1
- b) other areas – coefficient 0.2.

Annual fee for base station in radio network with broadband data transfer and wireless access (WAS/RLANs), apart from bands referred to in paragraph 2 herein, shall amount to 10,000.00 (ten thousand) dinars.

Article 11

The amount of fee for temporary usage of frequency shall amount to 20% of the annual radio

frequency usage fee set out herein.

7. TRANSITORY AND FINAL PROVISIONS

Article 12

The day these Rules come into force the Rules on radio frequency usage fees (“Official Gazette of the RoS“, no. 06/09) shall cease to be valid.

Article 13

These Rules, upon the Government approval, shall be published in the “Official Gazette of the Republic of Serbia” and shall come into force on the eighth day following the day of its publication.

Ref. no.1-01-110-14/09
In Belgrade, 25 December 2009

Chairman
of the Managing Board

prof. dr Jovan Radunovic