Pursuant to paragraph 2 of Article 65 of and in regard to item 5, paragraph 1 of Article 78 the Telecommunications Law (*Official Gazette of the Republic of Serbia* number 44/03 and 36/06) and pursuant to item 11, paragraph 1 of Article 18 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 in its session held on 23rd February 2007, adopted the

RULES

ON CLASSES OF RADIO STATIONS FOR WHICH RADIO STATION LICENCE IS NOT REQUIRED

Article 1

These Rules determine classes of radio stations for which radio station licence is not required and defines conditions to be fulfilled by a radio station in such cases.

Article 2

Short-Range Devices (hereinafter: SRDs), as well as other equipment which, in accordance with the law governing telecommunications, is considered to be a radio station, shall not be subject to radio station license issuance.

Article 3

SRDs, as well as other equipment referred to in Article 2 of these Rules, shall not be subject to radio station license issuance, if:

- SRD complies with the technical requirements, defined under European Conference of Postal and Telecommunications Administrations (CEPT) Recommendation, or European Telecommunications Standards Institute (ETSI) Standard;
- SRD has got technical documentation;
  it is defined by legal regulations that single frequency assignment shall not be performed;
- registration of each user shall not be performed;
- registration of each SRD shall not be performed;
- possibility of harmful interference is excluded, i.e. if SRDs are operating within a secondary service.

Article 4

A list of classes of radio equipment, according to their allocation, for which radio station licence is not required, referred to in Articles 2 and 3 of these Rules, as well as data on frequency band, power, i.e. magnetic field, application, channel spacing, CEPT Recommendation and ETSI Standard, are given in Annex 1 to these Rules, which is an integral part thereof.

Article 5

For radio stations operating in Wireless Access System including Radio Local Area Network (WAS/RLANs), within wireless Internet networks with outdoor application in 2400-2483.5 MHz and 5470-5725 MHz frequency bands, a radio station licence is not required.

Radio stations referred to in paragraph 1 of this Article, shall not be subject to registration procedures, except for base station or location on which the radio station is installed.

Radio station license shall not be required for base station referred to in paragraph 2 of this Article, provided that the registration procedure has been performed.

Article 6

The registration procedure, referred to in paragraph 3, Article 5 of these Rules, shall be performed by the Republic Telecommunication Agency (hereinafter: the Agency), in accordance with these Rules.

The user of the radio station, referred to in paragraph 3, Article 5 of these Rules, is required to submit the following, for the purpose of registration, no later than 30 days prior to the beginning of operation of the radio station:

- filled out PEV application form for registration;
- certified copy of the certificate of entry in the register of business entities;
- photocopy of license for telecommunication service provision;
- frequency band in which they intend to operate;
- name of location, with address and geo-coordinates, on which base station is installed.

PEV application form is given in Annex to these Rules, which is an integral part thereof.

Article 7

Radio stations, referred to in Article 5 of these Rules, may operate without radio station license, if they:

- comply with the technical requirements defined under CEPT Recommendation or CEPT Standard;
- have got technical documentation and appropriate certificate;
- operate in accordance with the defined status under the Radio Frequency Allocation Plan.

Article 8

Technical parameters, application mode and conditions, as well as the regulations pertinent to the operation of radio stations, referred to in Article 5 of these Rules, are given in Annex 2 to these Rules, which is an integral art thereof.

Article 9

If SRDs, as well as other equipment, referred to in Article 2 of these Rules, and radio stations referred to in Article 5 of these Rules, do not comply with set technical requirements and were not manufactured according to CEPT Recommendation or ETSI standard, shall be subject to radio station license issuance procedure.

Article 10

On the day these Rules enter into force, the Rules on classes of radio stations for which radio station licence is not required (*Official Gazette of RoS* no. 29/06) shall cease to be valid.

Article 11

These Rules shall enter into force on the eighth day following the day of the publication in the *Official Gazette of the Republic of Serbia.*

Chairman of the Managing Board

Number: 1-01-110-2/07
Belgrade, 23rd February 2007

Prof. Dr. Jovan Radunović

Annex 1

1. Non-specific SRDs

Non-specific Small-Range Devices (SRDs) are principally used for telemetry, telecommand, alarms and other similar purposes. Video applications may be used only above 2.4 GHz. Sound and voice signal transmission in 433.050-434.790 MHz band is not applied.

Frequency Band	Power/Magnetic Field	Application*	Channel Spacing	CEPT Document	ETSI Standard
6765-6795 kHz	42 dBμA/m at 10 m	No Restriction	-	ERC/DEC/(01)01 ERC/REC/70-03	EN 300 330
13.553-13.567 MHz	42 dBμA/m at 10 m	No Restriction	-	ERC/DEC/(01)01 ERC/REC/70-03	EN 300 330
26.957-27.283 MHz	42 dBμA/m at 10 m 10 mW e.r.p.	No Restriction	-	ERC/DEC/(01)02 ERC/REC/70-03	EN 300 220
40.660-40.700 MHz	10 mW e.r.p.	No Restriction	-	ERC/DEC/(01)03 ERC/REC/70-03	EN 300 220
138.2-138.45 MHz	10 mW e.r.p.	<1.0%	-	ERC/REC/70-03	
433.050-434.790 MHz	10 mW e.r.p.	<10%	-	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
433.050-434.790 MHz	1 mW e.r.p. -13dBm/10 kHz	Up to 100%	-	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
434.040-434.790 MHz	10 mW e.r.p.	Up to 100%	Up to 25 kHz	ECC/DEC/(04)02 ERC/REC/70-03	EN 300 220
868.000-868.600 MHz	25 mW e.r.p.	<1.0%	-	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
868.700-869.200 MHz	25 mW e.r.p.	<0.1%	-	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
869.300-869.400 MHz	10 mW e.r.p.	No Restriction	25 kHz	ERC/REC/70-03	EN 300 220
869.400-869.650 MHz	500 mW e.r.p.	<10%	25 kHz	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
869.700-870.000 MHz	5 mW e.r.p.	Up to 100%	-	ERC/DEC/(01)04 ERC/REC/70-03	EN 300 220
2400-2483.5 MHz	10 mW e.i.r.p.	No Restriction	-	ERC/DEC/(01)05 ERC/REC/70-03	EN 300 440
5725-5875 MHz	25 mW e.i.r.p.	No Restriction	-	ERC/DEC/(01)06 ERC/REC/70-03	EN 300 440
24.00-24.25 GHz	100 mW e.i.r.p.	No Restriction	-	ERC/REC/70-03	EN 300 440
61.0-61.5 GHz	100 mW e.i.r.p.	No Restriction	-	ERC/REC/70-03	
122-123 GHz	100 mW e.i.r.p.	No Restriction	-	ERC/REC/70-03	
244-246 GHz	100 mW e.i.r.p.	No Restriction	-	ERC/REC/70-03	

* If the application is defined in percentage, it refers to the ratio of the total on time of the "message" to the total off time in any one-hour period at one carrier frequency.

2. SRDs used for detecting avalanche victims

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
457 kHz	7dBμA/m at 10 m	Up to 100%	No Modulation – Continuous Wave -CW	ECC/DEC/(04)01 ERC/REC/70-03	EN 300 718

3. SRDs applied in railway

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
4515 kHz	7 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
27.095 MHz	42 dBμA/m at 10 m		No Channel Spacing	ERC/REC/70-03	EN 300 330
2446-2454 MHz	500 mW e.i.r.p.	No Restriction		ERC/REC/70-03	EN 300 761

4. SRDs used for detecting movement and equipment for alert

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
2400-2483.5 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/DEC/(01)08 ERC/REC/70-03	EN 300 440
9200-9500 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
9500-9975 MHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
10.5-10.6 GHz	500 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
13.4-14.0 GHz	25 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440
24.05-24.25 GHz	100 mW e.i.r.p.	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 440

5. SRD used as alarms

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
169.4750-169.4875 MHz	10 mW e.r.p.	<0.1%	12.5 kHz	ERC/DEC/(05)02	EN 300 220
169.5875-169.600 MHz	10 mW e.r.p.	<0.1%	12.5 kHz	ERC/DEC/(05)02	EN 300 220
868.6-868.7 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.20-869.25 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(97)06 ERC/REC/70-03	EN 300 220
869.25-869.30 MHz	10 mW e.r.p.	<0.1%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.65-869.70 MHz	25 mW e.r.p.	<10%	25 kHz	ERC/DEC/(01)09 ERC/REC/70-03	EN 300 220
869.3-869.4 MHz	10 mW e.r.p.	<1%	25 kHz	ERC/REC/70-03	EN 300 220

6. SRDs for model control

SRDs for model control are also intended for controlling the movement of the model (toy), in the air, on land or over the water surface.

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
26.995,27.045, 27.095 27.145, 27.195 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)10 ERC/REC/70-03	EN 300 220
34.995 - 35.225 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)11 ERC/REC/70-03	EN 300 220 Само за моделе који лете
40.665, 40.675, 40.685, 40.695 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)12 ERC/REC/70-03	EN 300 220

7. SRDs with inductive applications

SRDs with inductive applications are used for: car immobilizers, animal identification, alarm systems, cable detection, personal identification, wireless voice links, access control, proximity sensors, anti theft systems including RF anti-theft induction systems, wireless control systems and automatic road tolling.

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
9-59.750 kHz	72 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
59.750-60.250 kHz	42 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
60.250-70 kHz	69dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
70-119 kHz	42 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
119-135 kHz	66 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)13 ERC/REC/70-03	EN 300 330
135-140.0 kHz 140.0-148.5 kHz	42 dBμA/m at 10 m 37.7 dBμA/m at 10m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
148.5-1600 kHz	-5 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
3155-3400 kHz	13.5 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/REC/70-03	EN 300 330
6765-6795 kHz	42 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)14 ERC/REC/70-03	EN 300 330
7400-8800 kHz	9 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)15 ERC/REC/70-03	EN 300 330
13.553-13.567 MHz	42 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)14 ERC/REC/70-03	EN 300 330
26.957-27.283 MHz	42 dBμA/m at 10 m	No Restriction	No Channel Spacing	ERC/DEC/(01)16 ERC/REC/70-03	EN 300 330

8. Road transport and traffic telemetrics - RTTT

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
5795-5805 MHz	2W e.i.r.p. 8 W e.i.r.p.	No Restriction		ERC/DEC/(02)01 ERC/REC/70-03	EN 300 674 ES 201 674
63-64 GHz			No Channel Spacing	ERC/DEC/(02)01 ERC/REC/70-03	
76-77 GHz	55 dBm peak	No Restriction	No Channel Spacing	ERC/DEC/(02)01 ERC/REC/70-03	EN 301 091

9. Radio microphones

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
29.7-47.0 MHz	10 mW e.r.p.	Up to 100%	50 kHz	ERC/REC/70-03	EN 300 422
173.965-174.015 MHz	2 mW e.r.p.	Up to 100%	50 kHz	ERC/REC/70-03	EN 300 422
174-216 MHz	10 mW e.r.p. 50 mW e.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 300 422
470-862 MHz	10 mW e.r.p. 50 mW e.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 300 422
863-865 MHz	10 mW e.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 300 422 EN 301 357
1785-1800 MHz	10 mW e.i.r.p. 50 mW e.i.r.p.	Up to 100%	200 kHz	ERC/REC/70-03	EN 301 840

10. RF identification (RFID) systems

RF identification (RFID) systems include identification systems applied in different areas, e.g. alarm systems, access control, anti theft systems, wireless control systems.

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
865-868 MHz	100 mW e.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
865.6-867.6 MHz	2 W e.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
865.6-868 MHz	500 mW e.r.p.	Listen Before Talk	200 kHz	ERC/REC/70-03	EN 302 208
2446-2454 MHz	500 mW e.i.r.p. 4 W e.i.r.p.	Up to 100% <15%	No Channel Spacing	ERC/REC/70-03	EN 300 440

11. Ultra low power active medical implants

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
9-315 kHz	30 dBμA/m at 10 m	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 330
402-405 MHz	25 μW e.r.p.	No Restriction	25 kHz	ERC/DEC/(01)17 ERC/REC/70-03	EN 301 839
315-600 kHz	-5 dBμA/m at 10 m	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 330
30-37.5 MHz	1 mWe.r.p.	<10%	No Channel Spacing	ERC/REC/70-03	EN 300 220

12. Wireless audio applications

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
863-865 MHz	10 mW e.r.p.	Up to 100 %	No Channel Spacing	ERC/DEC/(01)18 ERC/REC/70-03	EN 301 357
864.8-865 MHz	10 mW e.r.p.	Up to 100 %	50 kHz	ERC/REC/70-03	EN 300 220
1795-1800 MHz	20 mW e.i.r.p.	Up to 100 %	No Channel Spacing	ERC/REC/70-03	EN 301 357
87.5-108 MHz	50 nW	Up to 100 %	200 kHz	ERC/REC/70-03	EN 301 357

13. Other radio equipment

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
446.000-446.100MHz	500 mW e.r.p.	PMR 446 No Restriction	12,5 kHz	ERC/DEC (98)25 ERC/DEC (98)26 ERC/DEC (98)27	EN 300 296
1880-1900 MHz	250 mW e.r.p.	DECT Indoors		ERC/DEC (94)03 ERC/DEC (98)22	ETS 300 175 ETS 300 323 EN 301 406

Annex 2

Technical parameters, application mode and conditions, and regulations pertinent to radio stations operating in Wireless Access System including Radio Local Area Network (WAS/RLANs), within wireless Internet networks with outdoor application in 2400-2483.5 MHz and 5470-5725 MHz frequency bands

Broadband systems for indoor data transmission (WAS/RLANs)

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
2400-2483.5 MHz	100 mW e.i.r.p./ Integral antenna (no external antenna socket) or dedicated	Indoors	No Channel Spacing	ERC/DEC/(01)07 ERC/DEC/(04)07 ERC/REC/70-03	EN 300 328
5150-5350 MHz	200 mW max average	Indoors	-	ERC/DEC/(99)24 ECC/DEC/(04)08 ERC/REC/70-03	ETS 300 836 EN 301 893

Broadband systems for outdoor data transmission (WAS/RLANs)

Frequency Band	Power/Magnetic Field	Application	Channel Spacing	CEPT Document	ETSI Standard
2400-2483.5 MHz	100 mW e.i.r.p. Integral antenna (no external antenna socket) or dedicated For direct sequence spread spectrum technique, the maximum spectrum power density is limited to – 20dBW/1 MHz For frequency hopping spread spectrum technique, the maximum spectrum power density is limited to – 10dBW/100 kHz	Network architecture: point-to-multipoint with fixed access. Minimum data transmission speed 250 kbit/s	No Channel Spacing – whole indicated frequency spectrum can be used.	ERC/DEC/(01)07 ERC/REC/70-03	EN 300 328
5470-5725 MHz	Maximum mean e.i.r.p. limited to 1 W and maximum mean e.i.r.p. density to 50 mW/MHz in any 1 MHz band.	Obligatory use of Dynamic Frequency Selection. Transmitter power control, which provides, on average, a mitigation factor of at	Channel width 20 MHz.	ECC/DEC/(04)08	EN 301 893

		least 3 dB on the maximum permitted output power of the systems, shall be required. Network architecture: - centralized system (point-to-multipoint with fixed access points and using mobile/portable stations) - non-centralized system (several devices communicating directly within small area in *ad hoc* mode)			

PEV Application Form

Application form for registration of WAS/RLANs radio station operating in **2400-2483.5 MHz, 5150-5350 MHz and 5470-5725 MHz** frequency bands

1.	Name, address, seat of legal entity submitting the application	
2.	Telephone, fax, e-mail, website	
3.	Fiscal ID Number	
4.	Frequency band of operation/ intended operation	
5.	Name of location with address and coordinates on which base station is installed	
6.	Technical parameters (power, application, used frequency bandwidth / central channel frequency, manufacturer of radio equipment, etc.)	

Place: **SEAL** **Signature of Responsible Person**
Date: **Submitter of Application**