Pursuant to Article 85, paragraph 2, Article 86, paragraph 5, Article 87, paragraph 2, Article 88, paragraph 2 and Article 94, paragraph 3 of the Law on Electronic Communications (*Official Gazette of the Republic of Serbia*, no. 44/10), and pursuant to Article 12, paragraph 1, item 1) and Article 16, paragraph 1, item 4) of the Statute of the Republic Agency for Electronic Communications (Official *Gazette of the Republic of Serbia*, no. 59/10),

The Managing Board of the Republic Agency for Electronic Communications, in its session held on 10 December 2010, adopted the

RULES

on application forms for the issuance of individual licences for the use of radio frequencies

Article 1

These Rules shall stipulate the applications form for the issuance of individual licences for the use of radio frequencies in relation to the type of the electronic communications network or service for which the assignment of radio frequencies is requested and shall include the Guidelines with elements of technical solution depending on the nature of radiocommunications services, as well as the form of applications for the issuance of individual licences for the use of radio frequencies: on board of aircraft, on board of ship and/or other vessel, for amateur radio club station, for personal amateur radio station, for diplomatic/consular mission, for foreign entity, for temporary licence for the use of radio frequencies and of amateur radio licence.

Article 2

Application referred to in Article 1 herein shall be made using the apposite application form, as follows:

1) ZPD Form– Application for the issuance of individual licence for the use of radio frequencies;

2) ZPDV Form– Application for the issuance of individual licence for the use of radio frequencies for radio stations on board of aircraft;

3) ZPDB Form – Application for the issuance of individual licence for the use of radio frequencies for radio stations on board of ship and/or other vessel;

4) ZPDKA Form – Application for the issuance of individual licence for the use of radio frequencies for amateur radio club station;

5) ZPDLA Form– Application for the issuance of individual licence for the use of radio frequencies for personal amateur radio station;

6) ZPD-DKP Form – Application for the issuance of individual licence for the use of radio frequencies by diplomatic/consular mission;

7) ZPD-SPL Form – Application for the issuance of an individual licence to foreign entities for the use of radio-frequencies;

8) ZPDPR Form – Application for the issuance of temporary licence for the use of radio frequencies;

9) ZRLA Form – Application for the issuance of amateur radio licence.

Article 3

Application forms referred to in Article 2 herein, as well as the Guidelines with elements of technical solution depending on the nature of radiocommunications service referred to in Article 1 herein, shall be printed with these Rules as an integral part thereof.

Article 4

As of the day of entry into effect of these Rules, the Rules on procedure for radio station licence issuance and on data and documentation to be submitted together with radio station licence request (*Official Gazette of RS*, no. 100/05) and the Rules on forms for radio station licences (*Official Gazette of RS*, no. 111/08) shall cease to be valid.

Article 5

These Rules shall come into effect on the eighth day following their publication in the *Official Gazette of the Republic of Serbia*.

Ref no: 1-01-3400-9/10
Belgrade, 10 December 2010

Chairman of the
Managing Board

Prof. Dr. Jovan Radunović

APPLICATION
FOR THE ISSUANCE OF INDIVIDUAL LICENCE FOR THE USE OF RADIO FREQUENCIES

1.	**INFORMATION ON THE APPLICANT**	
1.1	*Full name of a legal or natural entity**	
1.2	*Head office / address **	
1.3	*Personal ID Number**	
1.4	*Fiscal ID Number ***	
1.5	*Telephone / Fax*	
1.6	*Contact person, telephone and e-mail*	
2.	**NATURE OF ELECTRONIC COMMUNICATIONS SERVICE**	
	☐ ***F - Fixed*** ☐ ***M - Mobile*** ☐ ***BC - Broadcasting*** ☐ ***S – Fixed-satellite*** ☐ ***MS – Mobile-satellite*** ☐ ***RN – Radionavigation*** ☐ ***RD – Radi determination***	
3.	**INFORMATION ON RADIO FREQUENCY**	
3.1	*Radio frequency unit*	☐ *kHz* ☐ *MHz* ☐ *GHz*
3.2	*Requested radio frequency or radio frequency band (write in the frequency or frequency band) ****	
4.	**NEEDS AND PURPOSE OF THE RADIO FREQUENCY USAGE**	
4.1	*Short descriptions of the needs*	
4.2	*Class of radio station*	☐ ***FB** – Base station, transmitter* ☐ ***FX** - Fixed station* ☐ ***FA** – Aeronautical station* ☐ ***MO** – Mobile station* ☐ ***ML** – Land mobile station* ☐ ***BC** - Broadcasting station, sound* ☐ ***BT** – Broadcasting station, television* ☐ ***TC** – Earth station in the fixed-satellite service*
4.3	*Type of network*	☐ *National* ☐ *Provincial* ☐ *Regional* ☐ *Local*
4.4	*Type of coverage in broadcasting service*	☐ primary ☐ additional
5.	**TIMEFRAMES**	
5.1	*Planned beginning of usage*	

5.2	*Requested period of usage*	
6.	**TECHNICAL SOLUTION**	
6.1	*List of radio station/microwave links location*	
6.2	*Description of technical solution*	*In enclosed technical documentation*
6.3	*Environmental impact assessment*	*In enclosed technical documentation*
7.	**NOTES**	
8.	**ENCLOSURES**	
8.1	** Excerpt from the Business Register Agency or a photocopy of the ID card*	
8.2	*** Proof of assigned Fiscal ID Number*	
8.3	*Technical documentation*	
8.4	*Document authorizing the performance of business under activity code 61 – telecommunications (Excerpt from the company statutes, corporate charter, decisions on aligning the undertaking with the Law on Business Companies or other document indicating business under activity code 61 – telecommunications as an additional business performed along with the primary one.)*	

**** For broadcasting service write in the radio frequency/channel assigned in the public competition.*

Place and date

Applicant's signature

STAMP

GUIDELINES
With elements of technical solution depending on the nature of radiocommunication service

Technical solution within the application form for the issuance of an individual licence for the use of radio-frequencies is given in the technical documentation, which shall be submitted with the application form as an integral part thereof.

I. TECHNICAL DOCUMENTATION

Technical documentation shall be drafted by an undertaking and/or other legal entity or entrepreneur holding an appropriate licence for drafting technical documentation, and/or a person holding an appropriate licence issued by the Chamber of Engineers of the Republic of Serbia, which covers the area of electronic communications (telecommunications, energy and traffic).

I.1. GENERAL

For all natures of radiocommunication services:

a) Technical documentation shall be drafted in accordance with:

1. Law on Electronic Communications (*Official Gazette of the RS*, no. 44/10);
2. Law on Spatial Planning and Construction (*Official Gazette of the RS*, no.72/09, 81/09, 64/10-CC);
3. Law on Environmental Protection (*Official Gazette of the RS*, no. 36/09);
4. Law on Environmental Impact Assessment (*Official Gazette of the RS*, nos. 135/04 and 36/09);
5. Radio Frequency Bands Allocation Plan (*Official Gazette of the RS*, nos. 112/04 and 86/08)

b) Technical documentation shall include the following:

1. Cover page;
2. Information on the investor from the appropriate register;
3. Information on the responsible project designer and/or project organisation;
4. Relevant legal provisions applied in the case concerned;
5. Statement on the design of the documentation, signed by the responsible project designer;
6. Project task;
7. Antenna position (on the mast) and transmitter position (in the building);
8. Technical solution;
9. Statement substantiating the implementation of prescribed measures for protection at work;
10. Decision of the responsible authority substantiating that the project does not require an environmental impact assessment and/or a decision of the responsible authority approving the study on the environmental impact assessment;
11. Impact assessment for the operation of other radiocommunications systems
12. Relevant necessary calculations;
13. Accompanying graphical documentation.

c) An original copy of the technical documentation shall be submitted in bound form, stamped and signed by the person who was in charge of drafting the technical documentation and by the investor. The aforementioned documentation shall be accompanied by an electronic copy thereof.

II. BROADCASTING SERVICE

II.1. Technical documentation

In addition to the requirements referred to in item I herein, the technical documentation for the broadcasting service shall be drafted in accordance with:

1. Frequency/location assignment plan for terrestrial analogue FM and television broadcasting radio stations for the territory of the Republic of Serbia (*Official Gazette of RS*, nos. 74/07, 27/08 and 2/10);
2. Rules on radio stations which could be installed in cities and towns (*Official Journal of SFRY*, no. 9/83);
3. Rules on radio corridors within cities and towns (*Official Journal of SFRY* ", no. 72/90);
4. Rules on technical and exploitation conditions for the use of broadcasting stations for emitting black and white and colour television programmes (*Official Journal of SFRY*, no. 8/78);
5. Rules on technical and exploitation conditions for FM broadcasting stations (*Official Official Journal of SFRY*, no. 57/75);
6. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.1546-4 – Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3000 MHz;
7. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.526-11 – Propagation by diffraction;
8. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R BT.417-5 – Minimum field strengths for which protection may be sought in planning an analogue terrestrial television service;
9. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R BS.412-9 – Planning standards for terrestrial FM sound broadcasting at VHF;
10. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R BT.1368-8 – Planning criteria for digital terrestrial television service in the VHF/UHF bands;
11. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R BS.1660-3 – Technical basis for planning of terrestrial digital sound broadcasting in the VHF band.

Technical documentation shall be drafted for a television channel an/or an FM radio-frequency obtained in the Public Tender for the issuance of licences for television and radio programme broadcasting and shall adhere to technical and other parameters and data stipulated in Frequency/location assignment plan for terrestrial analogue FM and television broadcasting radio stations for the territory of the Republic of Serbia (*Official Gazette of RS*, nos. 74/07, 27/08 and 2/10).

Technical details for the drafting of the documentation for digital terrestrial television shall be defined separately.

II.2. Technical solution

Technical solution for broadcasting service shall include:

1. Propagation model

The application of the statistical method, as given in ITU-R P. 1546-4, and the deterministic method, as given in ITU-R P. 526-11, is recommended. The application of the empirically determined

correction factors is acceptable only if in accordance with the character of the method applied. The documentation shall include only the methods used in the case concerned.

2. Terrain profile in relation to broadcasting location

For radiated powers under 1 kW (VHF) and/or 10 kW (UHF), a profile of a 50km-distance shall be submitted and effective heights (h_{eff}) in 36 directions - every 10^o starting from True North, shall be calculated. For radiated powers over 1 kW (VHF) and/or10 kW (UHF), a profile of at least 50km-distance shall be submitted and effective heights (h_{eff}) in at least 120 directions - every 3^o starting from True North, shall be calculated.

3. Coverage calculation

In directions for which the terrain profiles have been drafted, the distance, calculated according to the appropriate method, at which the level of field strength equals the minimum usable field strength, or usable field strength if available according to the appropriate Recommendations ITU-R BT. 417-5 and ITU-R BS. 412-9. Coverage calculations are performed in accordance with the real antenna pattern.

4. Information on antenna:

- antenna description and characteristics,
- disposition of individual antennas and antenna power supply system,
- antenna pattern and antenna system gain in relation to half-wave dipole,
- calculated transmission losses.

6. Coverage area

Coverage area shall be drawn on the geographical map of the appropriate representative fraction (RF), of at least 1: 200 000, and/or 1: 100 000 for low-power transmitters (the size of the drawing shall not be less than A3 paper format). The representative fraction and the scale shall be obligatory elements of the drawing.

6. Information on equipment

The description and the technical characteristics of equipment used for obtaining the proposed antenna pattern and radiated power shall be provided.

7. A filed-in coordination request for FM radio stations and a coordination request for a television radio station as well as the application form for the issuance of a licence for the use of radio-frequencies for a radio station.

Coordination request for broadcasting stations shall be filled in online. Once filled in, the coordination request shall be written on a floppy disc or CD and submitted along with the technical documentation. All requested fields in the request MUST be filled in. Geographic coordinates shall be given in WGS84 system (WGS84 coordinates should be accurate and determined with the aid of GPS). Filled-in application form for the use of radio-frequencies for radio stations shall be enclosed with the technical documentation.

III. MOBILE SERVICE:

III.1. Technical documentation for mobile service

In addition to the requirements referred to in item I, the technical documentation for the mobile service shall be drafted in accordance with:

1. Radio-frequency Allotment Plan for GSM/DCS 1800 radio system (*Official Gazette of RS*, no. 17/08);
2. Radio-frequency Allotment Plan for UMTS/IMT-2000 radio-system (*Official Gazette of RS* , no. 17/08);
3. Individual radio-frequency allotment plans for individual services (health care, fire brigade, electric power industry services, power distribution services, anti-hail protection services, etc.);
4. Rules on radio stations which could be installed in cities and towns (*Official Journal of SFRY*, no. 9/83);
5. Rules on radio corridors within cities and towns (*Official Journal of SFRY*, no. 72/90)
6. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.1546-4 – Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3000 MHz;
7. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.526-11 – Propagation by diffraction;
8. Rules on technical and exploitation conditions for the use of radio stations for FM and PM radio-telephone broadcasting (*Official Journal of SFRY*, nos. 28/81, 42/82 and 64/86).

III.2. Technical solution

Technical solution for the mobile service must include the following:

1. User's need for radio-connection (except for public mobile):

shall include the operation procedure of the user that needs radio-link establishment. The following shall be defined within the operation procedure: the entities between which the information is exchanged via radio-link, the nature and type of information, the number and the average duration of information, the number of pieces of information to be exchanged simultaneously, as well as the territory covered by the type of service concerned.

2. Draft radio-connection system solution (except for public mobile):

shall define the types of radio networks (simplex, semi-duplex, duplex, integration of several radio networks, etc.) and shall include the schematic presentation of the radio-system and the estimated traffic density. The draft radio-link system solution should meet the specified needs for radio networks as well as the rational use of the allocated radio-frequencies and provide the technical and technological unity of the radio-link system within the scope of the activity (if necessary).

3. Base station propagation model:

The application of the statistical method, as given in ITU-R P. 1546-4, and the deterministic method, as given in ITU-R P. 526-11, is recommended. The application of the empirically determined correction factors is acceptable only if in accordance with the character of the method applied. The documentation shall include only the methods used in the case concerned. Coverage calculation shall be pertinent to the minimum usable field strength, according to the appropriate rules, and in accordance with the real radiation pattern of the antenna system. The propagation model shall be tabular (except for public mobile) and given on the geographical map of the appropriate representative fraction (RF) which shall be adapted to the size of the base station

coverage area, and/or the size of the radio network which is being presented. The representative fraction and the scale are considered as obligatory elements of the drawing. The coverage zone should be drawn on A3 paper format or larger in case of radio networks of regional and national importance.

4. Terrain profiles in relation to the broadcasting location (except for public mobile):

drawn for a 50-km distance, and effective heights (h_{eff}) in 36 directions – each 10^o starting from True North shall also be calculated.

5. Antenna system:

information on antenna: type of antenna, polarization, antenna gain, directivity, azimuth of maximum radiation, angular beamwidth of main lobe, elevation angle, front-to-back ratio, etc. For directional antennas, the antenna pattern and antenna system gain should be given in both graphic and numerical formats in relation to the half-wave dipole.

6. The analysis of the potential mutual interferences between radio stations within the proposed system (except for public mobile).

7. Radio link error performance:
for a single-channel microwave link between two base stations and for radio networks between base radio station and fixed radio station (except for public mobile).

8. The operation mode of radio stations within the radio network (except for public mobile):

1) The operation procedure and the manner of establishing radio networks (PL tone, selective call, identification, conversation time limit), as well as all special conditions necessary for the simultaneous operation of several radio stations on one micro-location;
2) number of radio stations in radio networks according to their class and technical characteristics.

9. Filled in application form for the issuance of a licence for the use of radio-frequencies for a radio station
A filled in application form for the use of radio-frequencies for radio stations shall be submitted as part of the technical documentation. All requested fields in the application form MUST be filled in. Geographic coordinates should be given in WGS84 system (WGS84 coordinates should be accurate and determined with the aid of GPS).

IV. FIXED SERVICE

IV.1.1. Technical documentation for fixed service (microwave links)

In addition to the requirements referred to in item I herein, the technical documentation for fixed service (microwave links) shall be drafted in accordance with the following:

1. Rules on radio stations which could be installed in cities and towns (*Official Journal of SFRY*, no. 9/83);
2. Rules on radio corridors within cities and towns (*Official Journal of SFRY*, no. 72/90)
3. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.530-13: Propagation data and prediction methods required for the design of terrestrial line-of-sight systems;
4. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.676-8: Attenuation by atmospheric gases;
5. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.838-3: Specific attenuation model for rain for use in prediction methods;

6. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.525-2: Calculation free-space attenuation;
7. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R F.1668-1: Error performance objectives for real digital fixed wireless links used in 27500 km hypothetical reference paths and connections;
8. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R F.1703: Availability objectives for real digital fixed wireless links used in 27500 km hypothetical reference paths and connections;
9. Guidelines on designing digital microwave systems (*PTT Gazette*, no. 16/87).

IV.1.2. Technical documentation for fixed service (public FWA network)

In addition to the requirements referred to in item I herein, the technical documentation for fixed service (public FWA network)) shall be drafted in accordance with the following:

1. Radio Frequency Allotment Plan for Radio Systems in the Frequency Bands 410-420/420-430 MHz (*Official Gazette of RS,* no. 8/09);
2. Radio Frequency Allotment Plan for FWA Systems in the Frequency Bands 3410-3600 MHz and 3600-3800 MHz (*Official Gazette of RS,* no. 17/08);
3. Rules on radio stations which could be installed in cities and towns (*Official Journal of SFRY*, no. 9/83);
4. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.1546-4 – Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3000 MHz;
5. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.526-11 – Propagation by diffraction;

IV.2.1. Technical solution for fixed service (microwave links) shall include the following:

1. Purpose of the microwave link/links;
2. Geographic data on the location for every radio station (geographic coordinates, altitude of site above sea level, height of antenna above ground);
3. Path profile;
4. Basic technical data on each microwave link (capacity, configuration, frequency band, path length);
5. Basic technical characteristics of microwave devices;
6. Basic technical characteristics of the antenna (gain, type, manufacturer, radiation pattern);
7. Short description of the error performance method in accordance with the proposed error performance and availability objectives for the microwave link in question;
8. Error performance method and microwave link availability along with the statement substantiating compliance with the prescribed norms and link availability time (the results of calculations should be tabular and given for each path length);
9. Filled in application form for the issuance of the licence for the use of radio-frequencies for radio stations
10. Geographic coordinates shall be given in WGS84 system (WGS84 coordinates shall be defined accurately with the aid of GPS).

IV.2.2. Technical solution for fixed service (public FWA network) shall contain the following:

1. Coverage calculation method for fixed/base radio station:

The application of the statistical method, as given in ITU-R P. 1546-4, and the deterministic method, as given in ITU-R P. 526-11, is recommended. **The application of the empirically determined correction factors is acceptable** only if in accordance with the character of the method applied. The documentation shall include only the methods used in the case concerned. Coverage calculation shall be pertinent to the minimum usable field strength, according to the appropriate

allotment plan, and in accordance with the real radiation pattern of the antenna system and it shall be given on the geographical map of the appropriate representative fraction (RF) which shall be adapted to the size of the base station coverage area, and/or the size of the radio network which is being presented. The representative fraction and the scale are considered as obligatory elements of the drawing. The coverage area should be drawn on A3 paper format or larger in case of radio networks of regional and national importance.

2. Antenna system:

information on antenna: type of antenna, polarization, antenna gain, directivity, azimuth of maximum radiation, angular beamwidth of main lobe, elevation angle, front-to-back ratio, etc. For directional antennas, the antenna pattern and antenna system gain should be given in both graphic and numerical format in relation to the half-wave dipole.

3. filled in application form for the issuance of the licence for the use of radio-frequencies for radio stations:

filled in application form for the issuance of the licence for the use of radio-frequencies for radio stations shall be enclosed with the technical documentation. All required information in the application form MUST be filled in. Geographic coordinates shall be given in given in the WGS84 system (WGS84 coordinates shall be accurately identified with the aid of GPS).

V. SATELLITE SERVICE

V.1. In addition to the requirements referred to in item I herein, the technical documentation for radio stations in satellite service shall be drafted in accordance with the following:

1. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R S.521-4: Hypothetical reference digital paths for systems in the fixed satellite service;
2. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R S.524-9: Maximum permissible levels of off-axis e.i.r.p. density from earth stations in geostationary-satellite orbit networks operating in the fixed satellite service transmitting in the 6 GHz, 13 GHz, 14 GHz and 30 GHz frequency bands;
3. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R S.579-6: Availability objectives for hypothetical reference circuits and hypothetical reference digital paths when used for telephony using pulse code modulation, or as part of an integrated service digital network hypothetical reference connection, in the fixed-satellite service operating below 15 GHz;
4. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R S.614-4: Allowable error performance for a hypothetical reference digital path in the fixed-satellite service operating below 15 GHz when forming part of an international connection in an integrated services digital network;
5. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R S.1062-4: Allowable error performance for a satellite hypothetical reference digital path operating below 15 GHz;
6. ITU Radiocommunication Bureau (RB) Recommendation: ITU-R P.618-9: Propagation data and prediction methods required for the design of earth-space telecommunication systems;
7. ITU Radiocommunication Bureau (RB) Recommendations for VSAT: ITU-R S.725, ITU-R S.726-1, ITU-R S.727-2.

V.2. Technical solution for radio stations in satellite service shall include the following:

1. technical documentation containing the information on the description of operation (purpose, block diagram, network topology, etc.);
2. geographic data on the site of the earth radio station (geographic coordinates, altitude of site above sea level, height of antenna above ground level);
3. name and the satellite orbit position;
4. technical characteristics of the device (transceiver);

5. basic technical characteristics of the antenna (gain, type and manufacturer);
6. filled in ApS 4/III form, coordinate contours (in accordance with Appendix 7) when the earth radio station operates as a receiver and as a transmitter in accordance with ITU Radio Regulation, Article 11, Section III;
7. short description of the error performance method along with the adopted initial technical parameters for the devices and accompanying equipment
8. calculation of the necessary transmitter power and radiated power along with the satellite uplink and downlink path budget. (path budget results shall be provided in tabular form);
9. filled in application form for the issuance of the licence for the use of radio-frequencies for radio stations
10. geographic coordinates given in the WGS84 system (WGS84 coordinates shall be accurately identified with the aid of GPS).

ZPDV Form

APPLICATION

FOR THE ISSUANCE OF INDIVIDUAL LICENCE FOR THE USE OF RADIO FREQUENCIES FOR RADIO STATIONS ON BOARD OF AIRCRAFT

Owner of the aircraft (Name / name and surname, address, telephone and Fiscal ID or Personal ID number) *	

Aircraft country code and registration *	Call sign or other identification *	Type of aircraft *

Devices **	Manufacturer and type ***	Power (W)	Class of emission ***	Assigned frequencies ***
Transmitters				
Survival craft transmitters				
Other devices ***				

Note ****

Place and date	STAMP	Applicant's signature
_____		_____

List of documents to be enclosed with the application (marked with asterisks in the Table)

* Proof:

- certificate on aircraft registration;
- certificate issued by the Business Register Agency on the owner's business registration (in case the aircraft is owned by a legal person) or a photocopy of the ID card, if the owner is a natural person;
- proof on the assigned Fiscal ID Number (only in case the aircraft is owned by a legal person).

** Write in all devices on the aircraft.

*** Write in or enclose technical characteristics of each radio device.

**** **The following must be indicated:**

- **contact person,**
- **telephone,**
- **e-mail.**

Republic of Serbia
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Republic Agency for Electronic Communications

ZPDB Form

APPLICATION

FOR THE ISSUANCE OF INDIVIDUAL LICENCE FOR THE USE OF RADIO FREQUENCIES FOR RADIO STATIONS ON BOARD OF SHIP AND/OR OTHER VESSEL

Owner of the vessel (Name / name and surname, address, telephone number and Fiscal ID Number or Personal ID Number) *		
The name of vessel and registration designation **	Call sign **	Service and correspondence category

Transmitters		Device number	Frequency range or assigned frequencies ****
Type of device	Manufacturer and type of device ***		
MF/HF			
VHF			
VHF *portable*			
UHF			
AIS			
RADAR			
SATELLITE			

Other transmitters ***	
Other devices ***	

Notes

Place and date

STAMP

Applicant's signature

List of documents to be enclosed with the application (marked with asterisks in the Table)

* Proof: sailing permit / ship's papers or other proof of ship ownership (vessel purchase/lease contract, certificate issued by the commercial court on the vessel ownership), certificate issued by the Business Register Agency on the on the business registration and proof of assigned Fiscal ID Number (in case the vessel is owned by a legal person) or a photocopy of the ID card, if the owner is a natural person.

** Proof: certificate issued by the Ministry of Infrastructure on the vessel's name and call sign;

*** Proof: a photocopy of the page indicating all technical characteristics of each device;

**** Write in appropriate data from the table below:

LIST OF TRANSMITTERS WITH RELEVANT FREQUENCY RANGES

Type of transmitter	**Frequency band**	**ITU code**
MF	1605 kHz – 4000 kHz	T
HF	4000 kHz – 27500 kHz	U
VHF	156,025 – 162,975 MHz	V
VHF portable	156,025 – 162,975 MHz	V
UHF on-board stations	457,525 – 457,575 MHz 467,525 – 467,575 MHz	
AIS	156,025 – 162,975 MHz	V
RADAR	2920 – 3100 MHz 9320 – 9500 MHz	S X
SATELLITE	Maritime satellite range according to the Radio Frequency Allocation Plan	

In addition to the aforementioned, at the request of the Republic Agency for Electronic Communications, information necessary to register the ship with the International Telecommunication Union need to be submitted as well, in particular for the purpose of the List of ship stations (rescue boat number, type and number of the emergency locating radio buoy and the frequency used), class of ship (general and specific classification), ship station hours of operation and other.

***** **The following must be indicated:**

- **contact person,**
- **telephone,**
- **e-mail.**

Republic of Serbia
RATEL
Republic Agency for Electronic Communications

APPLICATION FOR THE ISSUANCE OF INDIVIDUAL LICENCE FOR THE USE OF RADIO FREQUENCIES FOR AMATEUR RADIO CLUB STATION

Filled in by the applicant – radio club officer in charge

Information on the individual licence holder – radio station owner

Name of the radio amateur organization		
Personal ID and Fiscal ID number		
Place and address of the organization head office		
Telephone and e-mail		
Call sign		

Information on radio station location

Place and postal code		
Street and number		
Municipality and district		

Information on radio stations

Ord. no.	Type and manufacturer	Serial no.	Transmitter power [W]	Lower frequency [MHz]	Upper frequency [MHz]	Classes of emission
1						
2						
3						
4						
5						
6						

Information on installed antennas

Ord. no.	Type of antenna	Manufacturer	Frequency band(s) [MHz]
1			
2			
3			
4			
5			
6			

Enclosure:

- ☐ certificate issued by the Business Register Agency on the radio amateur organization registration
- ☐ proof of assigned Fiscal ID Number
- ☐ proof of payment of the fee for the issuance of the amateur radio station

Place and date	STAMP	**Applicant's signature**
_____		_____

APPLICATION

FOR THE ISSUANCE OF INDIVIDUAL LICENCE FOR THE USE OF RADIO FREQUENCIES FOR PERSONAL AMATEUR RADIO STATION

Filled in by the applicant – owner of the amateur radio station

Information on the individual licence holder – radio station owner		
Surname, father's name and name		
Personal ID number		
Place and address of residence		
Telephone and e-mail		
Call sign and radio amateur class		

Information on radio station location		
Place and postal code		
Street and number		
Municipality and district		

Information on radio station

Ord. no.	Type and manufacturer	Serial number	Transmitter power [W]	Lower frequency [MHz]	Upper frequency [MHz]	Class of emission
1						
2						
3						
4						
5						
6						

Information on installed antennas

Ord. no.	Antenna type	Manufacturer	Frequency band(s) [MHz]
1			
2			
3			
4			
5			
6			

Enclosure:

- ☐ photocopy of the radio amateur licence of the radio amateur - individual
- ☐ photocopy of the ID card
- ☐ proof on payment of the fee for the amateur radio station licence issuance

Place and date	Applicant's signature
_____	_____

ЗАХТЕВ [1)]
ЗА ИЗДАВАЊЕ ПОЈЕДИНАЧНЕ ДОЗВОЛЕ ЗА КОРИШЋЕЊЕ РАДИО-ФРЕКВЕНЦИЈА ДИПЛОМАТСКО-КОНЗУЛАРНОГ ПРЕДСТАВНИШТВА

APPLICATION FORM [1)]
FOR THE ISSUANCE OF AN INDIVIDUAL LICENCE FOR THE USE OF RADIO-FREQUENCIES BY DIPLOMATIC-CONSULAR MISSION

Дипломатско-конзуларно представништво: *Diplomatic-consular mission:*					
Адреса: *Address:*					
Телефон: *Telephone:*		Телефакс: *Telefax:*		e-mail:	
Име лица (задуженог за коришћење радио-станице) *Name of contact person (responsible for the radio station operation)*					
Адреса: *Postal address:*					
Држављанство: *Nationality:*		Број пасоша: *Passport No.*			
Телефон: *Telephone:*		Телефакс: *Telefax:*		e-mail:	
Захтевани период коришћења: *Requested period of use:*					

ФИКСНА СЛУЖБА И КОПНЕНА МОБИЛНА СЛУЖБА

FIXED SERVICE AND LAND MOBILE SERVICE

Служба у којој ће се радио-станице користити :
Service for which the radio station will be used:

Врста службе (нпр. фиксна, мобилна): *Type of service (e.g. fixed, mobile service):*	

Техничке карактеристике радио-станица:
Technical characteristics for the radio stations:

Врста станице: *Class of station:*	**FB**	**FX**	**MO**	**ML/HH**
Фреквенција / е (MHz) *Frequency / -ies (MHz)*				
Потребна ширина опсега и врста емисије: *Necessary bandwidth and Class of emission*:				
Снага (W) *Power (W)*				
Тип антене: *Antenna type:*				
Број радио- станица: *Number of radio stations required:*				
Начин рада (нпр. симплекс, дуплекс, семидуплекс,..): *Operating method (e.g. simplex, duplex, semiduplex,..):*				

Фабрички подаци:
Manufacturing data:

Произвођач: *Manufacturer:*				
Тип: *Type:*				
Фабрички бројеви: *Serial Nos.*				

Локација:
Location:

Место, улица и број за FB, FX *Address of location for FB, FX*	

Зона рада за мобилни рад:
Area of operation (mobile):

Зона рада (опис) за MO, ML/HH *Area of operation (description) for MO, ML/HH*	

Позивни знаци:
Call signs:

Предлог позивних знакова: *Proposed call signs to be used in Serbia:*	

Сврха коришћења радио-станице (описати):
Purpose of the radio station use (describe):

Опис функционисања и конфигурација радио-мреже:
Description of the operation and configuration of the radio-network:

ФИКСНА САТЕЛИТСКА СЛУЖБА И МОБИЛНА САТЕЛИТСКА СЛУЖБА (VSAT, и др.) **FIXED SATELLITE SERVICE AND MOBILE SATELLITE SERVICE (VSAT, etc.)**	
Служба у којој ће се радио-станице користити : ***Service for which the radio station will be used:***	
Врста службе (нпр. фиксна, мобилна): *Type of service (e.g. fixed, mobile service):*	
Техничке карактеристике радио-станица: ***Technical characteristics for the radio stations:***	
Врста станице: *Class of station:*	
Фреквенција /е (MHz) *Frequency / -ies (MHz)*	
Тип и пречник антене: *Antenna type and diameter:*	
Максимални e.i.r.p. (dBW): *Maximum e.i.r.p. (dBW):*	
Потребна ширина опсега и врста емисије: *Required bandwidth and Class of emission*:	
Капацитет (kbit/s): *Data rate of Transmission (kbit/s:)*	
Фабрички подаци: ***Manufacturing data:***	
Произвођач: *Manufacturer:*	
Тип: *Type:*	
Фабрички бројеви: *Serial Nos.* :	
Локација: ***Location:***	
Место, улица и број : *Address of location*:	
Сателит (назив и позиција): *Satellite (Name and Position):*	
Сврха коришћења радио-станице (описати): ***Purpose of the radio station use (describe):***	

Место и датум *Place and Date*	М.П. STAMP	Потпис подносиоца захтева *Signature*
_____		_____

[1] Захтев се подноси дипломатским путем у складу са дипломатским протоколом Министарства спољних послова Републике Србије.

[1] This application form shall be submitted in line with the diplomatic protocol to the Ministry of Foreign Affairs of the Republic of Serbia.

Republic of Serbia
RATEL
Republic Agency for Electronic Communications

ZPD-SPL Form

ЗАХТЕВ
ЗА ИЗДАВАЊЕ ПОЈЕДИНАЧНЕ ДОЗВОЛЕ
ЗА КОРИШЋЕЊЕ РАДИО-ФРЕКВЕНЦИЈА СТРАНОГ ПРАВНОГ ЛИЦА

APPLICATION FORM
FOR THE ISSUANCE OF AN INDIVIDUAL LICENCE TO
FOREIGN ENTITIES FOR THE USE OF RADIO-FREQUENCIES

Пун назив компаније / организације: *Full name of the company / organization:*					
Адреса седишта: *Address of the Headquarters of the company/organization:*					
Телефон: *Telephone:*		Телефакс: *Telefax:*		e-mail:	
Име лица (задуженог за коришћење радио-станице): *Name of contact person (responsible for the radio station operation):*					
Адреса: *Postal address:*					
Држављанство: *Nationality:*		Број пасоша: *Passport No.*			
Телефон: *Telephone:*		Телефакс: *Telefax:*		e-mail:	
Захтевани период коришћења: *Requested period of use:*					

ФИКСНА СЛУЖБА И КОПНЕНА МОБИЛНА СЛУЖБА

FIXED SERVICE AND LAND MOBILE SERVICE

Служба у којој ће се радио-станице користити: ***Service for which the radio station will be used:***	
Врста службе (нпр. фиксна, мобилна): *Type of service (e.g. fixed, mobile service):*	

Техничке карактеристике радио-станица:
Technical characteristics of the radio stations:

Врста станице: *Class of station:*	**FB**	**FX**	**MO**	**ML/HH**
Фреквенција / е (MHz) *Frequency / -ies (MHz)*				
Потребна ширина опсега и врста емисије: *Necessary bandwidth and Class of emission:*				
Снага (W) *Power (W)*				
Тип антене: *Antenna type:*				
Број радио- станица: *Number of radio stations required:*				
Начин рада (нпр. симплекс, дуплекс, семидуплекс,..): *Operating method (e.g. simplex, duplex, semiduplex,..):*				

Фабрички подаци:
Manufacturing data:

Произвођач: *Manufacturer:*				
Тип: *Type:*				
Фабрички бројеви: *Serial Nos.*				

Локација:
Location:

Место, улица и број за FB, FX *Address of location for FB, FX*	

Зона рада за мобилни рад:
Area of operation (mobile):

Зона рада (опис) за MO, ML/HH *Area of operation (description) for MO, ML/HH*	

Позивни знаци:
Call signs:

Предлог позивних знакова: *Proposed call signs to be used in Serbia:*	

Сврха коришћења радио-станице (описати):
Purpose of the radio station use (describe):

Опис функционисања и конфигурација радио-мреже:
Description of the operation and configuration of the radio-network:

ФИКСНА САТЕЛИТСКА СЛУЖБА И МОБИЛНА САТЕЛИТСКА СЛУЖБА (VSAT, и др.)
FIXED SATELLITE SERVICE AND MOBILE SATELLITE SERVICE (VSAT, etc.)

Служба у којој ће се радио-станице користити : ***Service for which the radio station will be used:***	
Врста службе (нпр. фиксна, мобилна): *Type of service (e.g. fixed, mobile service):*	
Техничке карактеристике радио-станица: ***Technical characteristics for the radio stations:***	
Врста станице: *Class of station:*	
Фреквенција / е (MHz) *Frequency / -ies (MHz)*	
Тип и пречник антене: *Antenna type and diameter:*	
Максимални e.i.r.p. (dBW): *Maximum e.i.r.p. (dBW):*	
Потребна ширина опсега и врста емисије: *Required bandwidth and Class of emission*:	
Капацитет (kbit/s): *Data rate of Transmission (kbit/s:)*	
Фабрички подаци: ***Manufacturing data:***	
Произвођач: *Manufacturer:*	
Тип: *Type:*	
Фабрички бројеви: *Serial Nos.* :	
Локација: ***Location:***	
Место, улица и број : *Address of location*:	
Сателит (назив и позиција): *Satellite (Name and Position):*	
Сврха коришћења радио-станице (описати): ***Purpose of the radio station use (describe):***	

Место и датум
Place and Date

М.П.
STAMP

Потпис подносиоца захтева
Signature

Republic of Serbia
RATEL
Republic Agency for Electronic Communications

APPLICATION

FOR THE ISSUANCE OF TEMPORARY LICENCE FOR THE USE OF RADIO FREQUENCIES

1.	**INFORMATION ON THE APPLICANT**	
1.1.	*Name of the legal or natural person **	
1.2.	*Head office and address **	
1.3.	*Personal ID Number **	
1.4.	*Fiscal ID Number ***	
1.5.	*Telephone / fax*	
1.6.	*Contact person, telephone and e-mail*	
2.	**TYPE OF ELECTRONIC COMMUNICATIONS SERVICE**	
	☐ ***F - Fixed*** ☐ ***M - Mobile*** ☐ ***BC - Broadcasting*** ☐ ***S – Fixed satellite*** ☐ ***MS – Mobile satellite***	
3.	**INFORMATION ON RADIO FREQUENCIES**	
3.1	*Radio frequency unit*	☐ *kHz* ☐ *MHz* ☐ *GHz*
3.2	*Requested radio frequency or radio frequency band (write in the frequency or frequency band)*	
4.	**NEED AND PURPOSE OF RADIO FREQUENCY USAGE**	
4.1	*Short description of the needs*	
4.2	*Class of radio station*	☐ ***FB** – Base station, transmitter* ☐ ***FX** - Fixed station* ☐ ***FA** – Aeronautical station* ☐ ***MO** – Mobile station* ☐ ***ML** – Land mobile station* ☐ ***BC** - Broadcasting station, sound* ☐ ***BT** – Broadcasting station, television* ☐ ***TC** – Earth station in the fixed-satellite service*
5.	**TIMEFRAMES**	
5.1	*Planned beginning of usage*	
5.2	*Requested period of usage (no longer than 60 days)*	
6.	**TECHNICAL SOLUTION**	
6.1.	*List of radio stations/microwave links locations*	

6.2.	*Description of technical solution*	*Enclosed*
7.	***NOTES***	
8.	**ENCLOSURES**	
8.1.	** Excerpt from the Business Register Agency or a photocopy of the ID card*	
8.2.	*** Proof of assigned Fiscal ID Number*	
8.3.	*Technical documentation for the equipment for which the temporary licence is requested*	

Place and date

STAMP

Applicant's Signature

APPLICATION

FOR THE ISSUANCE OF AMATEUR RADIO LICENCE

Filled in by the applicant	Personal information	Surname				
		Name				
		Parent's name				
		Personal ID Number		Nationality		
	Information on residence	Place of residence		Postal code		
		Address of residence (street and number)				
		Telephone number		e-mail		
	Radio amateur information	Radio amateur class		Member of the club		
		Call sign	existing:			
			new:			

Enclosure:

- ☐ radio amateur / amateur radio operator certificate,
- ☐ photocopy of the ID card (with the information on personal ID number and residence),
- ☐ underage persons: birth certificate and certified written consent from a parent,
- ☐ proof of payment of the fee for the issuance of the radio amateur licence.

Place and date	*Applicant's signature*
_____	_____