

**Technical Requirements for Contracting Companies
Performing Design and Construction and Installation Work at the
International Far Eastern Maritime Show 2018 Central Venue**

Saint Petersburg
2018

1. General Information

- 1.1. Contracting companies certified for compliance with ISO 9000 (ISO 9001-2008) series of international standards may be permitted to perform work at the International Far Eastern Maritime Show 2018 Central Venue (hereinafter, IFEMS 2018 CV).
- 1.2. When performing work regulated by Russian Ministry of Regional Development Order No. 624 dated 30 December 2009, the organization must present the original of the Excerpt from the Register of Members of the Self-Regulatory Organization (SRO) in the form approved by Order No. 58 of the Federal Environmental, Industrial, and Nuclear Supervision Service dated 16 February 2017, which confirms the right to perform the types of work that impact the safety of capital construction projects.
- 1.3. IFEMS Technical Management will oversee compliance with the following requirements by contracting companies carrying out assembly, maintenance, and dismantling of temporary rooms and facilities being constructed in pavilions and outdoor venues of the IFEMS 2018 CV:
 - the working design;
 - Safety Regulations (PTB);
 - Regulations for the Operation of Consumer Electrical Installations (PTEEP);
 - Regulations for the Design of Electrical Installations (PUE);
 - Russian Federation Fire Safety Regulations;
 - Building Codes, Federal Law No. 123-FZ dated 22 July 2008 ‘Technical Regulation on Fire Safety Requirements’, Summary of Regulations (SP);
 - Technical Requirements for Contracting Companies Carrying Out Design and Construction and Installation Work at the IFEMS 2018 CV.
- 1.4. Pursuant to the Regulations on Work Permits for Contracting Companies Carrying Out Assembly, Dismantling, and Maintenance of Temporary Facilities in Pavilions and at Outdoor Venues of the IFEMS 2018 CV, in order to obtain a work permit for assembly, dismantling, and maintenance of IFEMS 2018 temporary facilities, including electrical power supply and utility lines, in pavilions and at outdoor venues of the IFEMS 2018 CV, contracting companies shall submit the following documentation to IFEMS 2018 Technical Management:
 - 1.4.1. A working design in PDF format approved by the Client including:
 - title page;
 - statement of work;
 - summary;
 - technical specifications for all types of work to be carried out; specifications should be developed on the basis of the Technical Specifications for Construction of Pavilions and Outdoor Venues at the IFEMS 2018 CV;
 - working designs and electrical diagrams (including datasheets indicating maximum heat dissipation for each type of electrical equipment);
 - specifications for materials, parts, components, and equipment;
 - technical specifications for all types of work to be carried out;
 - fire safety assurance measures (including technical and organizational).
 - calculations of electrical equipment’s heat emissions and their off-setting;
 - heating and ventilation sections.
 - 1.4.2. A set of documents for obtaining a Clearance Certificate.
 - 1.4.3. The working design and a set of documents for obtaining 2 (two) copies of the Clearance Certificate in printed form. The complete set in printed form shall only be accepted by the technical directorate bound in a folder. All copies must contain the same set of documents.

The working design, including the design project, shall be approved by the Client and submitted to the Roscongress Foundation by the deadlines indicated in the Regulations on Work Permits for Contractors Carrying Out Assembly, Dismantling, and Maintenance of Temporary Facilities in Pavilions and at Outdoor Venues International Far Eastern Maritime Show 2018 Central Venue.

All technical documents must be approved by the Customer and executed in accordance with the requirements of the Unified Design Documentation System (UDDS).

- 1.5. When developing working designs and carrying out work, contracting companies shall follow the Technical Requirements for Contracting Companies Performing Design and Construction and Installation Work at the IFEMS 2018 Central Venue, and the following requirements in the buildings of the IFEMS 2018 CV:
 - A limit of 0.16 kW per 1 sq. m. of structure has been set on the electrical power output for temporary facilities in the buildings and outdoor venues of the IFEMS 2018 CV;
 - When installing electrical equipment, electrical wiring and cables, it is essential to ensure that there is unimpeded access to the equipment, wiring, and cables in order to permit monitoring of any hidden abnormal heating;
- 1.6. When developing the working design and installing facilities in the buildings of the FEFU campus, the contractor must not exceed the following maximum admissible floor loads:
 - Building B – 250 kg/sq. m.;
- 1.7. The maximum permissible height of temporary facilities from the finished floor at the highest point must not exceed:
 - Building B level 5 – 3.5 m (under balcony 2.5 m.)
 - Building B level 6 – 2.6 m, (at level 6 along the parapet line – a target, though not maximum, height for the structure has been set at 2.6 m);
 - Outdoor area – 4.5 m;

At booths traversed by the boundary of the under-balcony area (building B level 5) and second-level space, the construction of flat elements with a height reaching strictly to the upper edge of the inter-level overlap to a height of 4.2 m is allowed, or any other constructions with a height corresponding to the technical requirements – 3.5 m.
- 1.8. Fastening of temporary facilities to the beams of FEFU buildings is PROHIBITED.
- 1.9. The construction of two-storey temporary facilities in the buildings of the IFEMS 2018 CV is PROHIBITED.

2. Requirements for carrying out construction work

- 1.1. When erecting temporary facilities in open areas of FEFU buildings, all enclosed spaces and technical cavities in the walls must have a continuous ceiling enclosure and an attractive appearance. If there are premises with a continuous ceiling in the temporary building design, exhaust and intake ventilation and air conditioning with thermal current discharge beyond the exterior structures (walls) of existing buildings must be installed to ensure a comfortable environment. A calculation of the heat emitted by the equipment of a temporary facility must be part of the HV section of the project.
- 1.2. Only tempered glass may be used, and at a height exceeding 1.8 m from the level to the upper edge of the erected facility, only Triplex glass may be used.
- 1.3. Fastening of temporary facilities and structures to stationary walls and the floor of FEFU campus buildings shall not be permitted.
- 1.4. Construction work both at the IFEMS 2018 CV and inside buildings must be performed from units and components with a high degree of readiness that were preassembled and pre-painted at the contractor's production facilities. Only fire-proofing, jointing of prefabricated elements, sealing and painting of joints may be performed in the buildings of the FEFU campus with the advance covering of the aisle floors with a drop cloth or membrane.
- 1.5. The use of stationary circular saws, file board sanders not equipped with dust extractors, open fires or welding work shall not be permitted.
- 1.6. Construction work both at the IFEMS 2018 Central Venue and inside buildings must be performed from units and components with a high degree of readiness that were preassembled and pre-painted at the contractor's production facilities.

- 1.7 All temporary facilities erected in buildings of the FEFU campus must be located on a 100-mm high podium and have end illumination along the entire perimeter. Podiums must not have sharp corners. All corners must have either a rounded shape or be equipped with soft protective elements. The height of a podium or absence of end illumination may only be changed with the written consent of the Technical Directorate.
- 1.8 While building an area with temporary facilities, the contractor must ensure that the walls and partitions bordering on the aisles where IFEMS 2018 participants may be situated are attractive in appearance by using décor, displays, etc. The partitions of the facilities bordering on neighbouring premises must look neutral and be in line with the design solutions of nearby facilities. The rear surfaces of booths at building B level 6 facing the second-level space must be branded. The arrangement of graphic objects on such surfaces must be made with the location of the columns along the second-level space boundary line in mind.
- 1.9 When erecting temporary facilities in open areas of FEFU buildings, all enclosed spaces and technical cavities in the walls must have a continuous ceiling enclosure and an attractive appearance.
- 1.10 Interior premises, buildings, and the fitting out of FEFU campus outdoor sites must not be damaged, stained, or otherwise altered.
- 1.11 Painting, wallpapering, and the adhesion of any materials to the wall surfaces and the equipment of FEFU campus buildings shall be forbidden. Pedestals and columns located on construction sites may be covered to the permitted height, provided they are not damaged.
- 1.12 The structure of staircases, ramps, steps, and footbridges must comply with safety requirements. All staircases, elevated platforms, and zones must have banisters that rise at least 1.2 m above floor level and have at least upper, middle and lower hand rails. The staircase barriers and banisters must be continuous, fitted with hand rails, and have a load bearing capacity of at least 0.3 kNm. Platforms must be designed to sustain a load of 2.0 kNm per sq. m and pass static tests. The height of single-level platforms must not exceed 0.22 m. The pitch of stairs must not exceed 1:1, the tread width must be at least 25 cm and the step height no more than 22 cm. The width of staircase flights and landings must be at least 1.2 m, though in justified cases a width reduction to 0.9 m shall be permitted. Winding or curving staircases shall not be permitted. The difference in the floor elevation on walkways must be at least three steps or across a ramp (with a maximum slope of). The width of doors (or door apertures) must be at least 0.8 m (for rooms with 50 or more people – at least 1.2 m), while they must be at least 1.9 m in height. The height of escape routes, including when additional structures are installed, must not be less than 2.2 m.
- 1.13 If a foundation or podium is required, it must be installed above the floor level. Digging of pits is prohibited. It is also forbidden to paint the floors of buildings and the roadway of outdoor areas.
- 1.14 If mortar needs to be used, it must be mixed and applied on metal or plastic sheets, or on a tarpaulin.
- 1.15 Mortar may not be applied on the floor of buildings or the road surface.
- 1.16 Drilling asphalt pavement in outdoor areas of the FEFU campus is PROHIBITED.
- 1.17 If oil or similar substances are spilled on the floor surface or roadway, they must be promptly removed. Carpets and carpeting must be laid in accordance with the safety rules and must not protrude beyond the site boundaries. For the adhesion of the carpet to the floor or road surface, only a polyethylene or polypropylene adhesive tape may be used. Such materials should not leave traces.
- 1.18 When using loose materials (earth, sand, etc.), access doors or apertures in buildings and outdoor areas of the FEFU campus must be covered and protected from dust. Any dust must be removed with suitable detergents.
- 1.19 When developing working projects in terms of design and design of facilities, the contractor must ensure that all inscriptions, logos, and names of organizations on the walls of temporarily erected facilities do not exceed the permitted height of the structures and should look attractive from all viewpoints.
- 1.20 Sound equipment may not be used in temporary facilities.

- 1.21 When designing temporary facilities in outdoor areas of the FEFU campus, the structural integrity of the temporary facility must be maintained when it is exposed to wind loads created by air flows at a speed of at least 30 m/sec.
- 1.22 Facilities erected in outdoor areas of the IFEMS 2018 CV must be fastened to the surface exclusively using weights.

2. Requirements for electrical installation work

- 2.1. Electrical work must be performed in accordance with the PUE, PTEEP, and POT RM requirements. In order to perform electrical work during installation, dismantling, and technical maintenance at IFEMS 2018 premises and facilities, the contractor must have a Certificate of Permission to Perform Electrical Installation Work issued by a self-regulating organization (SRO) in accordance with the form approved by order No. 58 of the Federal Service for Environmental, Technological, and Nuclear Supervision dated 16 February 2017, which confirms the right to perform the types of work that affect the safety of capital construction facilities.
- 2.2. The contractor's electrical personnel must have an electrical safety permission qualification level of at least 3, while the person in charge of electrical installation work (the installation of electrical equipment) must have a qualification of at least 4. All electrical personnel must carry qualification confirmation documents.
- 2.3. Measures to prevent electric shock must be taken to ensure electric safety. In particular, during electrical work, the TN-S scheme must be implemented (neutral protective and neutral conductor circuits must be separated throughout the electrical schematics).
- 2.4. Electrical schematics must be developed for each facility indicating the cross-section of the input cable and wires extending away from the switchboard (electric service panel), the full list of electrical power and lighting fittings, as well as the voltage and capacity of connected loads. All installed electrical equipment must have technical datasheets (or other documents indicating the datasheet values of maximum heating for each piece of electrical equipment).
- 2.5. Each room, facility or zone with electrical equipment must be equipped with an electric board with a residual current device (fault current – 30 mA).
- 2.6. The lighting and electrical equipment switches of any room or facility must be removed from lockable rooms. Full access must be provided to power distributing input devices and other electrical equipment.
- 2.7. **Only sockets with protective covers are permitted for use.**
- 2.8. Copper conductors must be used in electric cabling and wiring. Only ng-LS, FRLS and HRLS class cables and electric wires (Low Smoke, low-gas fire-resistant wiring) with a cross-section of at least 0.75 sq. mm. may be used.
- 2.9. Wiring located lower than 2.5 m above floor level must be contained in pipes or cable channels. Wires and cables routed along the floor of buildings and over the roadway of outdoor areas must be covered with plastic or rubber floor cable channels and rubber bridging boards, which must not obstruct walking or driving but must also prevent insulation damage. Cables may not be routed in buildings along and across the main aisles between development areas as per GOST 31565-2012 'Cable products. Fire safety requirements'.
- 2.10. Electrical work may not be performed using bare joints, bunch strands, and terminal blocks (uncovered switching and splicing). All joints of the electric wiring must be made using electric connectors. The plugs must conform to the German standard (Euro standard).
- 2.11. All electric circuits must be protected with automatic switches or safety fuses to safeguard against current surges.
- 2.12. During installation work, stationary technological outlets available in both buildings and open areas of the IFEMS 2018 CV must be used for the temporary connection of tools. These outlets may not be used during Forum events.

- 2.13. Before the voltage is fed to the power supply system of a temporary facility, representatives of the IFEMS Technical Directorate and electric personnel of the FEFU campus along with electricians of the temporary facility shall check the readiness of the temporary power supply system and compliance with the mounted electric power consumers (equipment, devices, switchboards, etc.). The following must also be checked:
- Conformity of the facility’s electrical equipment parameters with those presented earlier in the working design for development;
 - Testing reports for the electrical installations, including:
 - *insulation resistance testing of electrical wires and cables;*
 - *verification of the L-N circuit in electrical installations with rated voltage up to 1 kV with the TN system (measurement of the L-N loop impedance with the subsequent detection of short-circuit current);*
 - *testing (checking) of residual current devices (RCDs);*
 - *checking the operation of the circuit breaker releases;*
 - *checking to ensure there is a circuit between the grounded equipment and the grounding switch;*
- 2.14. After the readiness of the temporary facility’s power supply system is checked, a decision shall be made about whether to connect it to the functional electrical grids of the FEFU campus. Prior to connection, a Certificate on the Delineation of the Balance Sheet Attribution of Networks and Operational Responsibility of the Parties must be signed.
- 2.15. If the contractor’s electrical personnel fail to observe the effective PEEP, PUE, PTB or POT standards (Order No. 328n of the Russian Ministry of Labour dated 24 July 2013) during electrical work, representatives of the IFEMS 2018 Technical Directorate may prohibit the electrical work with the preparation of a Notification using a standard form.
- 2.16. Additional electric equipment not indicated in the electrical schematics of the working design for temporary development may not be connected to input equipment without the consent of the IFEMS 2018 Technical Directorate.
- 2.17. For the operation of temporary power supply grids in the technical zones of a temporary facility, unimpeded access to the connection point must be provided where they enter the existing engineering channels.

3. Requirements for fire safety

- 3.1. All employees who carry out work on the construction and further operation of the booth must be instructed on the requirements of fire safety with signature confirmation in the training log. This briefing shall be carried out by employees who have been trained in the basics of fire safety.
- 3.2. Those responsible for fire safety during construction and further operation of the booth must undergo training in the basics of fire safety, which shall be confirmed by a valid certificate of completion of training.
- 3.3. In preparation for the IFEMS the use of combustible building and finishing materials ought to be avoided if possible. Where warranted, when materials are used which are different from non-combustible materials in terms of their properties, the following requirements should be met (in any case, the fire hazard class of materials for finishing rooms and escape routes must not exceed the ratings set in tables 28 and 29 of FZ-123 (depending on the type of escape route and the purpose of the room)).
- 3.4. Contractors may not use building materials to manufacture walls or ceilings or to fill suspended ceilings in temporary facilities that have a higher fire hazard than classes G1, V1, D2, T2, RP1 (or have not been fire-proofed to reach the given indicators). The frames of suspended ceilings must only be made from non-combustible materials. Only non-combustible materials (of the NG class) may be used for soundproofing and thermal insulation.

- 3.5. Contractors may not use building materials as a floor covering in temporary facilities with a higher fire hazard than classes G1, V1, D2, T2, RP1, or V1, D2, T2, RP1 (for carpeting), or materials not fire-proofed to reach the given indicators.
- 3.6. When textile finishing (drapery) is required, the fabrics must be flame-proofed to ensure the following characteristics: flash-resistant cloths (according to GOST R 50810-95), fabrics with moderate smoke generation ability D2 (according to GOST 12.1.044-89), fabrics with moderate toxicity of combustion products T2 (according to GOST 12.1.044-89), and fabrics not classified as inflammable substances (according to GOST R 53294-2009). Use of Kendal fabrics or fabrics made from Trevira CS fibre (or their equivalent) shall be permitted.
- 3.7. To confirm fireproofing, contractors must submit fireproofing statements to the IFEMS Technical Directorate. The use of previously fireproofed materials that have already been utilized at other events shall not be permitted (since the preservation of fireproofing characteristics is influenced by a wide variety of factors, including humidity levels, temperature, mechanical impact, and other storage conditions).
- 3.8. Irrespective of the need for treatment, contracting companies shall be obliged to provide SPIEF 2018 Technical Management with fire safety certificates for the construction and finishing materials and equipment (including conductors and cables) used.
- 3.9. Fire certificates and statements on the fireproofing of materials confirming the classification of building materials and their ability to be used must be available at each temporary facility. To confirm fireproofing, contractors must submit fireproofing statements to the IFEMS 2018 Technical Directorate. The use of previously fireproofed materials that have already been utilized at other events shall not be permitted (since the preservation of fireproofing characteristics is influenced by a wide variety of factors, including humidity levels, temperature, mechanical impact, and other storage conditions).
- 3.10. Deciduous trees and conifers may only be used with wet roots. Bamboo, reed, straw, bark, peat, and similar materials may be used only following special treatment.
- 3.11. Changes in the size and layout that might degrade occupant evacuation conditions, limit access to fire extinguishers, fire hydrants, and other fire-fighting equipment, or reduce the operational zone of automatic fire protection systems (automatic fire alarms, fixed automatic fire extinguishers, smoke control systems, and emergency management and warning systems for evacuation in case of fire) shall not be permitted during the construction and installation of temporary facilities and the suspension of temporary structures.
- 3.12. Evacuation routes, taking into account the construction of temporary evacuation routes (corridors, passageways etc.) shall be equipped with a luminescent evacuation system in accordance with the provisions of GOST R 12.2.143-2009 'A System of Standards for Workplace Safety. Luminescent Evacuation Systems. Requirements and monitoring'.
- 3.13. Where any temporary ceilings or other constructions which result in the creation of separate new, temporary spaces (rooms, halls, areas, exhibits, etc.) inside the buildings and venues of the IFEMS 2018 CV are installed, or cover equipment situated above them, the spaces shall be protected with automatic fire protection systems according to the requirements of relevant regulations (including: automatic fire alarms and (or) fire extinguishers (including modular type) respectively). Non-installation of additional automatic fire protection systems is permitted if the ceiling and other constructions have a regularly perforated structure with perforations over an area of not less than 40% of the area of the ceiling and other constructions, while the minimum size of each perforation must be no less than 10mm in any direction, and the thickness of the ceiling or other construction must not be more than three times the minimum mesh width of the perforations.
- 3.14. If the distance from the ceiling to the top of temporary walls, partitions, display and other constructions is 0.6 m or less, additional fire alarm notification equipment for the automatic fire protection systems shall be fitted.
- 3.15. In case of a difference in floor elevation along the evacuation route, a ramp with a slope of no more than 1:6 must be provided for.
- 3.16. Evacuation routes, taking into account the construction of temporary evacuation routes (corridors, passageways etc.) shall be equipped with a luminescent evacuation system in accordance with the

provisions of GOST R 12.2.143-2009 'A System of Standards for Workplace Safety. Luminescent Evacuation Systems. Requirements and monitoring'.

- 3.17. When carrying out the construction and installation of temporarily constructed facilities, all facilities must be provided with fire extinguishers, and during the event itself primary fire extinguishing means must be provided for in accordance with the Rules for Fire Prevention in the Russian Federation (PPR in the RF), with at least one fire extinguisher per room and open area.

4. Requirements on low current systems

- 4.1. When designing low current systems for temporary facilities at the IFEMS 2018 CV, the contractor must provide power supply to the equipment of its low current systems at temporary facilities from its own switchboards, connecting them to interface points of the functional power supply sources. The interface of temporary power grids with functional power grids must be indicated in the temporary power supply project of the temporary facility, as agreed with the IFEMS 2018 Technical Directorate and technical maintenance services of the FEFU campus, indicating the total actual power consumption of temporary facilities connected to the functional power grids. The operational responsibility delimitation between the functional power grids and temporarily connected power grids passes over the interface point (connector, terminal, etc.). Operational responsibility for temporary power grids is borne by the company appointed by the Customer of the temporary facilities based on the terms of the contract for the construction of temporary facilities and in accordance with the Electric Installation Code (EIC).
- 4.2. The power supply reliability category for electricity consumers of temporary facilities is set by the Customer of the temporary facility with an indication of the time of possible disruptions in power supply in the event of emergencies. If there is no possibility of power supply disruption (even when an emergency alarm goes off), the power supply of these power consumers must be provided on the basis of the first reliability category (from uninterrupted power supply sources).
- 4.3. For electricity consumers of temporary facilities at the IFEMS 2018 CV, the following technological solutions need to be provided:
- 1) two independent electrical feeders;
 - 2) automatic circuit breaker panel with remote monitoring of input feeder condition;
 - 3) True-on-line UPS in the N+1 parallel operation mode with batteries lasting at least 30 minutes under the maximum real consumed power of the temporary facility's equipment. For the most important power consumers of temporary facilities indicated by the Customer of the temporary facilities (the list of consumers must be agreed with the Customer of the temporary facilities), true-on-line or line-interactive UPS are recommended with batteries lasting at least 30 minutes under maximum real consumed power of the temporary facility's equipment and mandatory use of an overvoltage protector with remote monitoring.
- 4.4. For power consumers not indicated by the Customer of the temporary facilities, line-interactive UPS are recommended with batteries lasting at least 30 minutes under maximum real consumed power of the temporary facility's equipment.
- 4.5. The design, installation, and technical maintenance of low current systems must be performed by a company holding a certificate of permission to perform such work from a self-regulating organization (SRO).
- 4.6. The work must be performed in strict compliance with the project approved by the IFEMS 2018 Technical Directorate, technical maintenance services of the FEFU campus, and the Customer.
- 4.7. The projects for low current systems for temporary developments and facilities of the IFEMS 2018 CV must be integrated into a single project and approved by the IFEMS 2018 Technical Directorate and technical maintenance services of the FEFU campus.
- 4.8. Unimpeded access to the connection point must be provided for the operation of temporary LAN networks in the technical zones of temporary construction at their interface with the existing engineering channels.

6. Requirements for the cleaning of the premises

- 6.1. In the process of construction work, the Contractor must clean the premises where work is performed daily (at the end of the work day), collecting and removing waste to a located specified by the Customer.
- 6.2. Separate collection of waste (hereinafter SCW) is carried out for the period of installation, carrying out, and dismantling of the event. Before disposing of construction and other waste, it must be sorted into:
 - paper, polyethylene;
 - other construction and domestic waste;
- 6.3. For the period of installation/dismantling, waste disposal must be carried out strictly in specially designated places.
- 6.4. During the period of the event, petty waste must be thrown into special SCW urns marked in accordance with the type of garbage they are intended for.

LIST

of types of radio-electronic equipment that may be used at the Event venue without obtaining a permit to use radio frequencies

1. Individual devices (USB modems) providing wireless access using GSM, IMT-MC, UMTS, Wi-Fi, WiMax, LTE radio technologies, either built-in or forming parts of other devices.
The use of USB modems is permitted only for personal purposes; creating a wireless network for ensuring the work of a cluster of devices or personnel groups is prohibited without obtaining a prior permit!
2. Individual cell phones using GSM, IMT-MC, UMTS standards, including built-in or forming parts of other devices.
3. Individual ground stations providing mobile satellite connection: INMARSAT, Globalstar, Thuraya, Iridium.
4. Remote control devices for car alarm systems.
5. Bluetooth radio electronic devices, including built-in or forming parts of other devices.
6. Radio electronic equipment used to search for, and rescue victims of natural disasters.
7. User satellite navigation system receivers: GPS/GLONASS, including built-in or forming parts of other devices.
8. Medical implants and other medical equipment implanted in human body.
9. Hearing aids for the hearing impaired.
10. Remote controls for cameras and flash lights.

LIST

of types of radio-electronic equipment whose use is prohibited at the Event venues without obtaining a permit to use radio frequencies

1. Portable and vehicle-mounted radio transmitters and walky-talkies.

Application form for the use of radio transmitting equipment

Organization's official name	
Contact person at the organization	
Contact person's email	
Contact phone	
Type of equipment for which a permit is requested	
Manufacturer and model	
Number of units	
Place of use	
Description of tasks which require radio transmitting equipment	
Comments	

Signature of person authorized to submit the application

official seal

_____ / _____ /