

**[NTC MEMORANDUM CIRCULAR NO. 1-1-98,
January 26, 1998]**

**LICENSING GUIDELINES AND PROCEDURES FOR SHORT RANGE
RADIO SERVICE (SRRS)**

Pursuant to the provisions of Republic Act No. 7925, Act No. 3846 as amended, Executive Order No. 546, and other applicable laws, the Commission hereby promulgates the following guidelines and procedures in the licensing of portable radio transceiver in the short range radio service:

A.

Definition of Terms

For the purpose of this Circular, the following terms are defined hereunder:

1. Short Range Radio Service (SRRS) — a private radio communication system in the Land Mobile Service limited to portable transceiver for short range communications.

2. SRRS Special Permit — an authority issued by the National Telecommunications Commission to individuals and/or entities for the possession and operation of a radio station under the Short Range Radio Service.

3. Type Acceptance — a certification issued by the Commission for SRRS radio equipment complying to the SRRS Technical Standards and Specifications set forth as Attachment A of this memorandum and where equipment has already been type approved by an administration whose certification is acceptable. This process does not require laboratory testing and issuance is based on the type approval certificate issued by the administration whose certification is acceptable and test reports issued by the competent authorities/administrations.

4. Type Approval — a certification issued by the Commission for SRRS equipment complying to the Technical Standards and Specifications set forth as Attachment A of this memorandum. This process requires laboratory testing.

B.

Technical Parameters

1. The frequencies channels allocated for SRRS are on shared usage and Non-Interference Basis.

2. The use of linear amplifier/booster and external antenna for SSRS is strictly prohibited.

3. The radio equipment for SRRS shall comply with the following:

- a. Fixed and non-extendible frequency range.
 - b. Portable type with limited maximum transmitted output power not to exceed 3 watts.
 - c. Frequency modulated utilizing voice emission.
 - d. Duly type approved/accepted by the Commission.
4. The frequency band allocated for SRRS shall be 325.0000 - 325.4875 MHz using 12.5 KHz channeling plan.
5. The technical specification of the radio equipment shall conform with the Technical Specification in Attachment - A of this Circular.
6. Any radio transceiver that meets the technical specification of SRRS shall be allowed under this service, after having been type accepted/approved by the Commission.

C

Application for Type Approval/Acceptance

1. Type Acceptance

Applicants are required to submit a fully accomplished type acceptance application form together with the following items:

- Type acceptance fee
- Certified copy of the type approval certificate from an administration/authorities whose certification is acceptable together with a certified copy of the test results.
- Full technical/service documents giving detailed description of the equipment's technical specifications, method employed in testing the equipment, schematic diagrams, board components layout, and components parts list.
- Color photographs of the equipment, in sufficient size (not less than 20 cm. x 25 cm.), to show clearly the equipment's external and internal (with dust cover removed) appearance.

2. Type Approval

Applicants are required to submit a fully accomplished type approval application form together with the following items:

- Type approval fee
- Model or prototype of radio transceiver to be type approved (with test accessories)
- Full technical/service documents giving detailed description of the equipment's

technical specifications, method employed in testing the equipment, schematic diagrams, board components layout, components parts list.

— Color photographs of the equipment, in sufficient size (not less than 20 cm. x 25 cm.), to show clearly the equipment's external and internal (with dust cover removed) appearance.

3. Application forms shall be secured from the Commission.

4. Markings

A drawing shall be submitted to detail equipment label and information to be contained on the label that will be affixed to the production models of the equipment. (see Attachment B)

D.

Importation of Radio Equipment

1. A permit to import and a corresponding special permit number for each unit of SRRS shall be granted only to NTC authorized radio dealers in accordance with Section D-1 above.

A Special Permit fee per SSRS unit shall also be paid and be issued a corresponding special permit number for each SRRS radio equipment to be manufactured locally.

2. All radio dealers and manufacturers shall submit to the Commission a regular sales and stock report for SRRS which shall include the serial number and corresponding special permit number per unit of all imported and/or locally manufactured SRRS radio equipment.

E.

Licensing, Collection and Type Approval/Acceptance Fees

1. A one time special permit fee of One Thousand pesos (PHP 1,000) per SRRS unit shall be collected upon application from NTC authorized radio dealers in accordance with Section D-1 above.

2. Any SRRS radio transceiver purchased from any authorized radio dealer shall be issued with a corresponding SRRS special permit number per unit issued by the Commission which shall serve as SRRS Special Permit.

3. Type Approval

Filing Fee PHP 150.00
Laboratory Fee 5,000.00
Certificate Fee 1,200.00

4. Type Acceptance

Filing Fee PHP 150.00
Certificate Fee 1,200.00

F.
Administrative Sanction

Any person and/or entity who shall purchase, possess and/or operate an SRRS radio equipment without SRRS special permit or sell SRRS radio units without being an NTC accredited radio dealer and fails to submit the regular registration of their sales and stock report, shall be dealt with in accordance with the existing Radio Laws and Regulations.

G.
Effectivity

This Circular shall take effect 15 days after publication and may be revised, revoked or amended, in the interest of public service as determined by the Commission.

Any Circular, Order or Memorandum which is inconsistent herewith is deemed superseded.

Adopted: 26 Jan. 1998

(SGD.) SIMEON L. KINTANAR
Commissioner

(SGD.) FIDELQ. DUMLAO
Deputy Commissioner

(SGD.) CONSUELO S. PEREZ
Deputy Commissioner

Attachment A

**Technical Standards and Specifications of Radio Transceivers in the Short
Range Radio Service (SRRS) in the Philippines**

1
General Requirements

1.1 Scope of Specification

1.1.1. This Specification prescribes the minimum requirements for the type of approval of multi-channel portable radio for localized communications (Short Range Radio Service)

1.1.2 For equipment covered by this specification, the maximum transmitter output power allowed shall not exceed 3 watts and the nominal carrier frequency separation between adjacent channels shall be 12.5 kHz.

1.2 Frequency Band — The equipment shall be designed to operate on the frequency band 325.0000 to 325.4875 MHz.

1.2.1 The 40 single-frequency channels listed in Annex A are allotted on a shared use basis. This radio must not be capable of operating on any frequencies other than those provided in this specification.

1.2.2 No radio shall be type approved or type accepted if it is capable of being user or dealer altered to operated on frequencies other than those provided in this specification.

2 Markings

The equipment shall have external and internal markings as specified in Annex B.

3 Radio Transceiver Specifications

3.1 Type of Emission : FM only (11KOF3E)

3.2 Transmitter Output Power : 3W maximum

3.3 Modulation Limiting : + 2.5 kHz

3.4 Conducted Spurious Emissions (Tx) : Attenuation (dB) = 43
+ 10 log P
P = rated carrier power
in Watts

3.5 Frequency Error : + 3 ppm

3.6 Conducted Spurious
Emission (Rx) : 20nW or less

3.7 The equipment must be equipped with Continuous Tone Code Sub-audible Squelch (CTCSS-EIA 220 B) capability, with a minimum number of 10 distinct tones from the list provided in Annex A.

3.7.1 Additional CTCSS tones and other coded squelch systems may be installed without restriction.

3.7.2 A manual or automatic means to monitor a channel prior to use or a means to prevent transmissions on occupied channels shall be fitted.

3.8 The use of digital squelch system is also allowed.

3.9 The equipment must be equipped with unique antenna fittings and matching antenna with a maximum gain of unity.

3.9.1 BNC, type N, and PL/SO series of antenna fittings are not allowed.

3.9.2 The equipment must not be supplied to the end user with antenna fitting