

**MEMORANDUM CIRCULAR**  
**NO. 5-12-88**

**SUBJECT: RULES AND REGULATIONS GOVERNING PUBLIC REPEATER  
SYSTEM IN THE PHILIPPINES**

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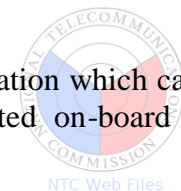
Pursuant to the provision of Act No. 3846, as amended, Public Service Act, as amended, and Executive Order No. 546 dated 23 July 1979, the Commission hereby promulgates the following rules and regulations governing Public Repeater System (PRS) in the Philippines.

**1.0 PURPOSE**

- 1.1 To establish rules and regulations for the authorization, installation, operation and maintenance of public repeater systems in the Philippines and to established the technical requirements for the operation and maintenance thereof.

**2.0 DEFINITION OF TERMS**

- 2.1 Public Repeater System – a public radio communication system offering repeater services for the use of the general public.
- 2.2 Public Repeater Service – a service provided by a public repeater system.
- 2.3 Shared repeater Service – a kind of public repeater service wherein a group of users share a common communication path.
- 2.4 Trunked Repeater Service – a kind of public repeater service wherein a large number of subscribers share a group of communication paths.
- 2.5 Repeater Station – a fixed radio station established for the automatic retransmission of radio signals received from one or more mobile station/s on one frequency and directed to a base/mobile stations on another frequency.
- 2.6 Mobile Station – a station in the land mobile service capable of surface movement within the geographical limits of a country and intended to be used while in motion or during halts at unspecified points/locations.
- 2.7 Portable Station – a mobile station in the land mobile service which can be conveniently moved from one place to another or carried in person and intended to be used while in motion or during temporary halts.
- 2.8 Porta-Mobile Station – a mobile station in the land mobile station which can be operated alternately as a land mobile station if mounted on-board a motorized vehicle or a portable station if carried in person.



- 2.9 Radio Station – a radio installation consisting of a separate radio transmitting and receiving apparatus or a combination of a radio transmitting and/or receiving equipment including antennas and other accessory equipment required for carrying on a definite radio communication service.
- 2.10 Franchise – a particular privilege conferred by a grant from the government/congress and vested in an individual or individuals.
- 2.11 Certificate of Public Convenience and Necessity (CPCN) – is an authority from the Commission granted to a qualified applicant for the operation or provision of public service within the Philippines where the Commission finds justification that the operation or provision of the public service will promote the public interest in the proper and suitable manner.
- 2.12 Commission – The National Telecommunications Commission.

### 3.0 AUTHORIZATION, PERMITS AND LICENSES

#### 3.1 Franchise and CPCN

- 3.1.1 No person, corporation, association or entity shall be allowed to install, operate and maintain a Public Repeater System in any part of the country without first obtaining a valid franchise from the Congress of the Philippines and corresponding Certificate of Public Convenience and Necessity issued by the Commission after undergoing judicial proceedings.
- 3.1.2 No person, corporation, association or entity may apply for a Certificate Of Public Convenience and Necessity to install, operate and maintain a Public Repeater System without sufficient capital at the minimum to cover the cost of the facilities and equipment's necessary to provide efficient and reliable service. The Commission shall continuously update this required minimum amount of capitalization based on current and/or prevailing cost.
- 3.1.3 The Commission shall determine the number of PRS operators to be authorized in one area depending primarily upon market and economic considerations and the availability of assignable frequencies.

#### 3.2 Scope of Authorization

- 3.2.1 The operator of PRS shall be authorized to offer to the public the following services:



3.2.1.1 Shared Repeater Services as defined in 2.3 of this circular.

3.2.1.2 Trunked repeater Service as defined in 2.4 of this circular.

3.2.2 The operation of PRS may be allowed to offer its subscribers to operate the following:

- a. Portable stations
- b. Porta-Mobile stations
- c. Mobile Stations
- d. Base Stations

Base stations may be allowed only by the Commission to the concerned subscriber based on technical considerations/conditions to be determined by the Commission.

### 3.3 Limitations

3.3.1 The Public Repeater Service or any of its components shall not be interconnected to the Public Switched Telephone Network (PSTN) by any means nor shall it be used to established connection between local telephone subscribers and the public repeater service subscribers.

### 3.4 Permits and Licenses

3.4.1 No permit to purchase/possess, construction permit or station license shall be issued to an applicant for a public repeater system without first obtaining a CPCN from the Commission.

3.4.2 No person, corporation association or entity shall be allowed to install, operate and maintain a public repeater system without first obtaining the following permits from the Commission:

3.4.2.1 Permit to Purchase prior to the acquisition of the required radio equipment for repeater station.

3.4.2.2 Permit to Possess and Construction Permit prior to the construction and/or installation of the repeater station.

3.4.2.3 Station License prior to the operation of the repeater station.

3.4.3 All subscriber radio stations shall likewise be covered by permits to purchase/possess, construction permits and radio station licenses.



- 3.4.4 Operators of subscriber radio station should possess a valid radio operator certificates corresponding to the class subscribers station being operated. Foreign nationals should possess a valid special radio operator certificate issued by the Commission for this service.
- 3.4.5 No station shall be operated except under and in accordance with the provisions of the license issued therefor by the Commission.
- 3.4.6 No construction permits, station license or any rights thereunder shall be transferred, assigned or disposed of in any manner, voluntarily or involuntarily, directly or indirectly, or by transferred of contract of anybody holding such permits or license to any person except upon application to and approval by the Commission.

#### 4.0 TECHNICAL STANDARDS

4.1 The following requirements shall apply to the operation of a public repeater system:

4.1.1 Power:

The power output of the repeater station shall be expressed in ERP and shall not exceed the actual power necessary for the satisfactory operation within the authorized service area to be determined by the Commission.

4.1.2 Type of Emission:

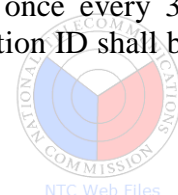
The type of emission shall be limited to P3 (frequency modulated by voice) and other signaling tones/codes.

4.1.3 Modulation:

The maximum audio frequency required for satisfactory radio telephony intelligibility shall be 3000 Hz.

#### 4.2 Station ID

Each and every repeater station in a PRS shall transmit its authorized call sign automatically in international Morse Code at least once every 30 minutes during the time the station is in operation. The station ID shall be transmitted at a rate not exceeding 16 words per minute.



#### 4.3 Non-voice and other Types Emissions

Non-voice or data and other types of emissions not prescribe herein shall not be transmitted by any kind of repeaters regulated by this Commission.

#### 4.4 Antenna

The antenna type height and gain shall be determined by the Commission taking into account the system reliability and the authorized service area.

The design of the antenna structure shall comply with the rules and regulations of the Commission and the Philippine Electrical Code.

### 5.0 RATES

5.1 No rates shall be charged by the public repeater system licensee to its subscribers other than those authorized by the Commission.

### 6.0 RESPONSIBILITIES

6.1 The following are the responsibilities of the public repeater system licensee;

6.1.1 The PRS licensee shall make sure that all its subscribers are well informed of the pertinent provisions of Act 3846, as amended as well as the applicable rules and regulations promulgated thereunder.

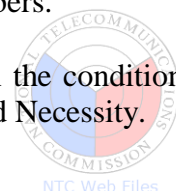
6.1.2 The PRS licensee shall accept without discrimination all applications for subscriptions of qualified individuals/entities.

6.1.3 The PRS licensee shall not accept for subscription applications without the required permits and licenses specified in Sections 3.4.3 to 3.4.6 of this Circular.

6.1.4 The PRS licenses shall see to it that the operators of its subscribers stations are holders of corresponding valid radio telephone operator certificate.

6.1.5 The PRS license shall be responsible for obtaining the required permits and licenses for any of station of its subscribers.

6.1.6 The PRS licensee shall operate in accordance with the conditions set forth in its Certificate of Public Convenience and Necessity.



- 6.1.7 The PRS licensee shall use only type approved radio equipment and shall make sure that its subscribers are using type approved radio equipment. Type approved equipment's shall mean those radio equipment's which were tested and approved by the Commission.
- 6.1.8 The PRS licensee shall strictly comply and operate in accordance with this circular.
- 6.1.9 The PRS licensee shall submit on a monthly basis a list of its facilities subscribers.
- 6.1.10 The PRS licensee shall maintain an efficient and acceptable grade of service and shall institute remedial action to eliminate harmful interference that may occur in the operation of the system.

6.2 The following are the responsibilities of the PRS subscribers.

- 6.2.1 The PRS subscribers shall see to it that its radio stations are duly licensed and are operated only by holders of corresponding valid radio operator certificate.
- 6.2.2 The PRS subscriber shall not use any other equipment except those authorized by the Commission for subscription to PRS.
- 6.2.3 The PRS subscriber may provide his/her its own radio equipment/s for subscription to the PRS provided that said radio equipment/s be type approved by the Commission.
- 6.2.4 It shall be the responsibility of the PRS subscribers to report to the Commission any illegal use or use of unauthorized person of his/her its radio stations.
- 6.2.5 The PRS subscribers may provide their own radio equipment subject to the provisions of the circular on Customer Premises Equipment (CPE).

7.0 PENAL PROVISIONS

- 7.1 Any person corporation, firm or entity who shall violate any provision of these rules and regulations shall be punished in accordance with the provisions of Act3846, as amended as well any and all applicable laws.

8.0 REPEALING CLAUSE



8.1 All rules and regulations, circulars, memoranda and orders inconsistent herewith are hereby repealed.

## 9.0 EFFECTIVITY

9.1 These rules and regulations shall take effect immediately upon approval by the Commission.

## 10.0 SPECIAL PROVISION

10.1 The Commission may from time to time, alter, amend or prescribe additional rules and regulations to update each regulations as warranted by existing conditions and state of the art in telecommunications.

City of Quezon, Philippines, ----- 1987

JOSE LUIS A. ALCUAZ  
COMMISSIONER

