

MEMORANDUM CIRCULAR
NO. 07-07-86

**SUBJECT: IMPLEMENTING PROCEDURES FOR THE
INTERCONNECTION AND OPERATION OF CORDLESS
TELEPHONES**

Pursuant to Act 3846, as amended, and in furtherance of the guidelines issued on cordless telephone interconnection by the NTC on 29 December 1982, the Commission hereby promulgates the implementing procedures for interconnection and operation of cordless telephone equipment.

1.0 DEFINITION OF TERMS

- Cordless Telephone System – a basic cordless telephone system consist of a base radio unit connected to a standard telephone line and a battery-powered portable radiotelephone unit. The system permits the portable extension to originate and receive calls at a distance from the main telephone set.
- Telephone Company – an authorized grantee of a Certificate of Public Convenience and Necessity to install, operate and maintain a telephone system and to charge corresponding rates.
- Subscriber – an individual or entity user contracting for any form of service furnished by a public Telephone Company.

2.0 GENERAL PROVISIONS

2.1 Equipment Category

- Models requiring type-approval of the NTC.
- Models which have been previously type-approved by NTC.

2.2 Only cordless telephone equipment duly type-approved by the NTC shall be accepted for interconnection with a public Telephone Company.

3.0 Standard Technical Specification

Transmitter Section

Frequency

- | | | |
|----|--------------------------------------|---|
| a. | Base Station | 1.725 MHz to 1.975 MHz or 27.515 MHz to 27.715 MHz |
| b. | Portable Telephone/ Cordless Unit | 49.80 MHz – 50.00 MHz |

Designation of Emission F3E



| | |
|----------------------------------|---|
| Channel Separation | 25 KHz |
| Modulation | Frequency Modulation (FM) of Phase Modulation (PM) |
| Maximum Carrier Deviation | ± 2.5 KHz |
| Transmitting Mode | Transmission only for duration of channel connection and call |
| Output Power | refer to maximum service area of 300 ft. radius |
| Type of Frequency Control | Crystal |
| Frequency Stability | better than 0.01% within – 20 C to +50C temperature range |
| Modulation Frequency Response | 300-3000 Hz at 6dB |
| Receiver Section | |
| Signal to Noise Ratio | About 40dB to satisfy speech quality requirements as sound articulation above 80% |
| Frequency | |
| a. Base Station | 49.80 MHz – 50.00 MHz |
| b. Portable Cordless Unit | 1.725 MHz to 1.975 MHz. or 27.515 MHz to 27.715 MHz |
| Sensitivity | 0.5V |
| Selectivity | ± 15 KHz at 50dB |
| Base Station Requirement | |
| Ring AC | 20 Hz \pm 2 Hz at 100 ± 10 VAC |



Types of Dialing

a. Decadic/Pulse Dialing

Dial Speed 10 pps \pm 1 pulse per sec (pps)

% of Break/Make ratio 60% \pm 3%

b. DTMF CCIT Q.23

NOTE: Any authorized users shall accept the risk of being interfered with.

4.0 Procedures

4.1 For models requiring type-approval.

- a. Application files application for cordless telephone interconnection, presents equipment and pays the authorized fees and charges of the Telephone Company.
- b. Telephone Company conducts laboratory test to ascertain if the standard technical specifications prescribe by the NTC is met.
- c. Telephone Company provides the test results to the applicant, as to:
 1. If the equipment passed the laboratory test, the applicant brings the test results to the NTC for issuance of type-approval certificate.
 2. If the requirement failed the laboratory test, the Telephone Company returns the equipment to the applicant and advises the latter to proceed to the NTC for proper disposition of the equipment.
- d. The applicant submits the results to the NTC.
 1. NTC issues a Type-Approval Certificate to the applicant for the equipment which passed the laboratory test as duly certified by an ECE upon payment of the Type-Approval Fee.
 2. For equipment which did not pass the laboratory test, NTC advises the applicant on the proper disposition of the equipment (refer to No. 4,3)
- e. Applicant presents Type-Approval Certificate and pays the interconnection fee and NTC annual permit fee to the Telephone Company.



- f. The Telephone Company installs the cordless telephone accordingly.

4.2 For type-approved or properly modified models

- a. Applicant files application for type-approved cordless telephone interconnection, present equipment and pays the interconnection fees and NTC annual permit fee to the Telephone Company.
- b. For modified models, a certification of equipment modification issued by an ECE shall be presented to the Telephone Company together with the equipment, and pays the interconnection fee and NTC annual permit fee to the Company.
- c. The Telephone Company installs the cordless telephone accordingly.

4.3 Equipment submitted to NTC for disposition

- a. Applicant has the option to accept modification of the equipment to satisfy the requirements or re-export the same.
- b. NTC furnishes applicant names of commercial laboratories where modification of equipment may be undertaken.
- c. After correct modification on equipment has been made applicant follows procedures as in 4.2.

4.4 For equipment found interconnected without permit by Telephone Company.

- a. Telephone Company advises party to disconnect the equipment and submit the equipment to the Company for laboratory test.
- b. Telephone Company informs NTC about the installation.
- c. If party fails to report to the Telephone Company or NTC within 30 days from the date of advice, administrative proceedings shall be taken by NTC accordingly.

4.5 For equipment held under the custody of the Bureau of Customs.

- a. Applicant submits to the NTC a written request to obtain the release of the equipment.
- b. Clearance is issued to the applicant for the Custom's release of the equipment for temporary deposit to NTC.
- c. Applicant follows procedure as in No. 4.0

5.0 Schedule of Fees pursuant to B.P. 325.

- a. Annual Permit to possess and operate
Fee per net (Base & Portable units)

P 90.00



- b. Type-approval certificate fee per model P 200.00

NOTE: The NTC annual permit fee shall be collected by the Telephone Company in behalf of NTC and shall be remitted to the latter not later than the end of each quarter.

6.0 Reports to be submitted by the Telephone Company to the NTC.

- a. List of type-approved/disapproved equipment on a monthly basis, including relevant subscriber data.
- b. List of active and discontinued service installation on a quarterly basis.
- c. List of application received and processed by the different main and Regional Offices of the Telephone Companies.
- d. List of subscribers provided with cordless telephone installation and their service location identified on grid maps where the assigned frequencies within the respective service areas were indicated.

This Memorandum Circular shall take effect immediately and supersede or amend any existing circular, order or instruction or parts thereof which is inconsistent herewith, Any violation of the provisions of this Circular shall be dealt with in accordance with the applicable laws, rules and regulations.

Quezon City, Philippines, July16, 1986

ROSAURO V. SIBAL
Acting Commissioner

