

**EUROPEAN RADIOCOMMUNICATIONS COMMITTEE**

ERC Decision  
of 7 March 1996  
on the harmonised frequency band to be designated for  
CEPT PR 27 radio equipment  
and on the implementation of the technical standard  
for this equipment

(ERC/DEC/(96)02)





## **EXPLANATORY MEMORANDUM**

### **1. INTRODUCTION**

The free movement of radiocommunications products and the provision of equipment in Europe for radiocommunications are only achievable if there exist common regulations throughout Europe regarding the availability of frequency bands, type approval requirements and border crossing procedures. The main requirements for fulfilling these objectives for CEPT PR 27 radio equipment are the Europe-wide availability of a suitable frequency band and the implementation of national regulations based on the European Telecommunications Standard (ETS) for CEPT PR 27 radio equipment developed by the European Telecommunications Standards Institute (ETSI).

This Decision (ERC/DEC/(96)02) provides the necessary mechanism for CEPT Administrations to commit themselves to designate the frequency band 26.960-27.410 MHz to the CEPT PR 27 radio equipment, to implement, within their national regimes European Telecommunications Standard 300 135.

### **2. BACKGROUND**

The CEPT PR 27 application is intended for short range radio communications and is a voice service with transmission and reception taking place on the same channel (single frequency, simplex traffic). The radio equipment is designed to be used without the need to have any technical qualifications. For the purpose of this Decision, CEPT PR 27 radio equipment means angle-modulated Citizens' Band radio equipment which operates in the frequency band 26.960 MHz to 27.410 MHz and complies with the ETSI standard ETS 300 135.

Historically each administration has had its own individual regulations, standards and frequency bands for Citizens' Band radio equipment. With the considerable work undertaken in CEPT and ETSI, a Europe-wide common frequency band and standard are now in place for CEPT PR 27 radio equipment. The same band is used as well for Citizen's Band equipment with different modulation methods. CEPT Recommendation T/R 20-09 (Chester 1990 (ERC)), which covers CEPT PR 27 radio equipment, has been in place for some time and is considered sufficiently mature to form the basis of this Decision.

### **3. REQUIREMENT FOR AN ERC DECISION**

The allocation of radio frequencies, complementary equipment type approval regimes, common rules for the authorisation of CEPT PR 27 radio equipment and for the free circulation and marking of CEPT PR 27 radio equipment in CEPT member countries may be laid down by law, regulation or administrative action. The ERC recognises that for CEPT PR 27 radio equipment to be introduced successfully throughout Europe, manufacturers must be given the confidence to make the necessary investment in the development and procurement of new equipment. A commitment by CEPT member countries to implement an ERC Decision will provide a clear indication to manufacturers and users that CEPT member countries are committed to a Europe-wide CEPT PR 27 radio usage and its future.

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The European Conference of Postal and Telecommunications Administrations,

*considering:*

- a) that CEPT has a long term objective to harmonise the use of frequencies and the related regulatory regimes;
- b) that such harmonisation will benefit administrations, manufacturers and users;
- c) that it would be desirable for administrations to have common regulations at their disposal in order to control the use, the type approval, the marking and the free circulation of this equipment;
- d) that the European Telecommunications Standards Institute (ETSI) has developed the European Telecommunications Standard ETS 300 135 for CEPT PR 27 radio equipment operating in the frequency band 26.960-27.410 MHz;
- e) that ETS 300 135 describes PR 27 as a voice service but some administrations allow it to be used also for data transmissions;
- f) that the band 26.957 - 27.283 MHz is designated for industrial, scientific and medical (ISM) applications;
- g) the draft ERC Decision on mutual recognition of Type Approval and the ERC Decision on free circulation and use.

DECIDES

- 1. that for the purpose of this decision, CEPT PR 27 radio equipment shall mean angle-modulated radio equipment complying with the European Telecommunications Standard ETS 300 135;
- 2. to designate the frequency band 26.960-27.410 MHz (10 kHz channel separation), excluding 26.995 MHz, 27.045 MHz, 27.095 MHz, 27.145 MHz and 27.195 MHz, to the application employing CEPT PR 27 radio equipment from 1 July 1996;
- 3. to adopt, by 1 July 1996 national type approval regulations for CEPT PR 27 radio equipment based on the ETSI standard "ETS 300 135: Technical Characteristics and Methods of Measurements for Angle Modulated Citizens' Band Radio Equipment (CEPT PR 27 Radio Equipment)";
- 4. that the equipment shall be marked CEPT PR 27 Y where Y is the symbol of the national type approval authority which issued the type approval certificate;
- 5. to withdraw any conflicting national type approval regulations concerning CEPT PR 27 radio equipment;
- 6. that CEPT Member Administrations shall communicate the national measures implementing this Decision to the ERC chairman and the ERO when the Decision is nationally implemented.

Note:

Please check the ERO web site ( [www.ero.dk](http://www.ero.dk) ) under "Documentation / Implementation" for the up to date position on the implementation of this and other ERC Decisions.