EUROPEAN RADIOCOMMUNICATIONS COMMITTEE

ERC Decision
of 1 November 1996
on the adoption of approval regulations for radio equipment to be used for cordless telephone apparatus operating in the mobile service in the frequency range 864.1 MHz to 868.1 MHz, based on the Interim European Telecommunications Standard (I-ETS) 300 131

(ERC/DEC/(96)18)

EXPLANATORY MEMORANDUM

1. INTRODUCTION

The free movement of radiocommunications goods and the provision of Europe-wide services for radiocommunications are only achievable if there exist common regulations throughout Europe regarding availability of frequency bands, approval requirements and border crossing procedures. A basic requirement to fulfil these objectives is the Europe-wide implementation of national regulations based on the European Telecommunications Standards (ETSs) developed by the European Telecommunications Standards Institute (ETSI).

This Decision (ERC/DEC/(96)18) provides the necessary mechanism for CEPT Administrations to commit themselves to implement, within their national regimes, Interim European Telecommunications Standard 300 131[1] and withdraw any conflicting national standard.

2. BACKGROUND

Both the ERC and ETSI are involved in the development of common regulations, as described in (1) above. The Memorandum of Understanding between ERC and ETSI explains the respective responsibilities of the two organisations and its annex describes the principles of co-operation. The ERC, for its part, should, *inter alia*, adopt Decisions on the introduction of ETSI standards into approval regimes.

I-ETS 300 131 has been prepared by the Radio Equipment and Systems (RES) Technical Committee of ETSI. The standard has undergone the ETSI standards approval procedure and is now published as an I-ETS.

The use of the frequency range (864.1 to 868.1 MHz) covered by I-ETS 300 131 is not harmonised within CEPT. Further, the equipment used in this frequency range is subject to national licensing and frequency planning which requires specification of, *inter alia*, frequency of operation and equivalent isotropically radiated power (e.i.r.p.)

Nevertheless, there are a number of parameters, in particular those considered by the ERC as essential for spectrum management purposes[2], which can be harmonised by adopting within approval regulations the limit values and measurement methods provided in I-ETS 300 131.

3. REQUIREMENT FOR AN ERC DECISION

The allocation and assignment of radio frequencies and the complementary equipment approval regimes in CEPT Member countries are laid down by law, regulation or administrative action. The ERC recognises that for harmonised fixed and mobile radio services to be introduced successfully throughout Europe, manufacturers and operators must be given the confidence to make the necessary investment in the development and procurement of new systems. Commitment by CEPT Administrations to implement this ERC Decision will provide a clear indication that equipment conforming to approval regulations based on I-ETS 300 131 will have the benefit of markets in those countries which permit use of this equipment.

[1] I-ETS 300 131: *"Common air interface specification to be used for the interworking between cordless telephone apparatus in the frequency band 864.1 MHz to 868.1 MHz, including public access service" (Edition 2, 1994)*

[2] See Annex 1 of the Decision

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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, operators and users;

c) that ETSI has published I-ETS 300 131 for equipment to be used for cordless telephones in the frequency range 864.1 MHz to 868.1 MHz;

d) that, for the foreseeable future, there will continue to be use of cordless telephone apparatus having the technical characteristics described in (c) above;

e) that, in accordance with the Memorandum of Understanding between ERC and ETSI, the ERC shall adopt ERC Decisions on the introduction of ETSI standards into approval regimes;

f) that the use of cordless telephone apparatus is subject to national licensing and frequency planning requirements, in particular for frequency of operation and e.i.r.p.;

g) that suitable transitional arrangements are given in CEPT Recommendation T/R 01-05.

DECIDES

1. to adopt, by 1 March 1997, approval regulations for cordless telephone apparatus operating in the frequency range 864.1 to 868.1 MHz with power levels of up to 10mW, based on the limit values and measurement methods for spectrum management parameters contained in I-ETS 300 131 with the exclusion by national choice of those parameters which are subject to national licensing requirements. A list of the spectrum management parameters to be included in approval regulations is given in Annex 1;

2. to withdraw any conflicting national approval regulation(s);

3. 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) under “Documentation / Implementation” for the up to date position on the implementation of this and other ERC Decisions.

ANNEX 1

Parameters from I-ETS 300 131 to be included in approval regulations:

I-ETS 300 131	Section	Comments
Transmitter parameters (Section 9.3, 9.4) :		
Carrier power	9.3.1	Subject to national licensing conditions
Adjacent channel power	9.3.2	
Out of band power	9.3.3	
Intermodulation attenuation	9.3.4	
Spurious emissions	9.4	
Receiver parameters (Section 9.4, 9.5) :		
Sensitivity	9.5.7	
Blocking performance	9.5.8	
Spurious responses	9.5.9	
Spurious emissions	9.4	