



Telecommunications equipment – Subscriber equipment – Technical telephony requirements for analogue connection of the fixed part of a digital cordless telephone, CT2

Telekommunikationsutrustning – Abonentutrustning – Telefonitekniska krav för analog anslutning av fast utrustning för digital sladdlös telefon, CT2

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0 Introduction

This edition results from a general review of Swedish standards for attachment to a PSTN in order to align their mandatory content with the requirements of the tele-terminal directive (91/263/EEC). A number of provisions have been deleted and some other modifications have been made.

1 Scope

This standard covers complementary technical requirements according to I-ETS 300 131 for the analogue connection of a digital cordless telephone, CT2, to a public switched telephone network.

2 Normative references

The following standards contain requirements, which through reference constitute requirements of this standard.

Swedish standard:

SS 63 63 41 Telecommunications equipment – Subscribers equipment – Connection of telephone sets

Standards and other publications from ETSI:

I-ETS 300 131 Radio Equipment and Systems (RES) – 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 services

3 Technical telephony requirements

3.1 General requirements

In addition to the requirements in I-ETS 300 131, the provisions in 3.2, 3.3 and 3.4 are set forth. Requirements are imposed either on the fixed part of the equipment together with the portable part belonging to it or on the fixed part together with a portable reference part. In the latter case, any portable part that fulfils the requirements in I-ETS 300 131 may be used together with the fixed part of the equipment.

3.2 Frequency response and receive loudness rating

A system with analogue connection to an exchange line shall fulfil the requirements in SS 63 63 41 with the following changes:

- Clause 4.3 is replaced by frequency response curves specified in I-ETS 300 131 with amendment of the 3 400 Hz sending lower limit and receiving lower limit to -9 dB.
- In clause 4.4.2 all RLR values may be increased by a fixed value 0 - 6 dB (6 dB increase means: curve A between +3 and -2 dB, curve C between -1 and -6 dB, curve B between -3,5 and -8,5 dB) if a volume control with at least 6 dB gain is included.
- Clauses 4.4.3 - 4.9 shall not apply, except for 4.6 and 4.9.3.

3.3 Sidetone

STMR for a 2-wire connected equipment shall be at least 7 dB (measuring method as set forth in SS 63 63 41 clause 4.4.3). During the measurement a possible direct sidetone path shall be broken and an echo canceller and echo suppressor be disabled.

3.4 Crosstalk

When measured with a sinewave signal at 1 020 Hz and with a level of 0 dBm the level of crosstalk between two exchange line interfaces, each terminated with the reference impedance Z_r (270 Ω in series with a parallel combination of 750 Ω and 150 nF), shall not exceed - 73 dBm in loop state.