



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

J.114

(09/99)

**SERIES J: TRANSMISSION OF TELEVISION, SOUND
PROGRAMME AND OTHER MULTIMEDIA SIGNALS**

Interactive systems for digital television distribution

**Interaction channel using digital enhanced
cordless telecommunications**

ITU-T Recommendation J.114

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION J.114**INTERACTION CHANNEL USING DIGITAL ENHANCED
CORDLESS TELECOMMUNICATIONS****Summary**

This Recommendation is the baseline specification for the provision of an interaction channel using the Digital Enhanced Cordless Telecommunications (DECT) Standard in conjunction with a digital broadcasting delivery medium. It is suitable for use with any broadcast transmission medium, such as cable, satellite, terrestrial, etc., thus ensuring the maximum degree of interoperability and economies of scale.

Source

ITU-T Recommendation J.114 was prepared by ITU-T Study Group 9 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on 16 September 1999.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Introduction

This Recommendation, for the use of the DECT system to provide an interaction channel for a digital broadcasting service, is not transmission medium specific. It can be used with any of the broadcast transmission media currently standardized by the ITU. It is consistent with the generic reference model described in Recommendation J.110, and the network independent protocols in Recommendation J.111.

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Recommendation J.114

INTERACTION CHANNEL USING DIGITAL ENHANCED CORDLESS TELECOMMUNICATIONS

(Geneva, 1999)

1 Scope

This Recommendation is the baseline specification for the provision of an interaction channel based on the Digital Enhanced Cordless Telecommunications (DECT) to Digital Video Broadcasting (DVB) systems.

This Recommendation does not intend to specify an interaction channel solution associated to each broadcast system because the interoperability of different delivery media to transport the interaction channel is desirable. Therefore, the DECT solution for the interaction channel applies to satellite, cable, MATV, Satellite Master Antenna TeleVision (SMATV), terrestrial, microwave or any future DVB broadcasting or distribution system.

The solutions provided in this Recommendation for an interaction channel through the DECT are a part of a wider set of alternatives to implement interactive services for DVB systems.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

2.1 Normative references

- [1] ITU-T Recommendation J.110 (1997), *Basic principles for a worldwide common family of systems for the provision of interactive television services.*
- [2] ITU-T Recommendation J.111 (1998), *Network independent protocols for interactive systems.*
- [3] EN 50201:1998, *Interfaces for DVB-IRD*, CENELEC.
- [4] ETS 300 765-2 (1998), *Digital Enhanced Cordless Telecommunications (DECT); Radio in the Local Loop (RLL) Access Profile (RAP); Part 2: Advanced telephony services.*
- [5] EN 301 240 (1998), *Digital Enhanced Cordless Telecommunications (DECT); Data Services Profile (DSP); Point-to-Point Protocol (PPP) interworking for internet access and general multi-protocol datagram transport.*
- [6] ETS 300 700 (1997), *Digital Enhanced Cordless Telecommunications (DECT); Wireless Relay Station (WRS).*

2.2 Informative references

- [7] ETS 300 765-1 (1997), *Digital Enhanced Cordless Telecommunications (DECT); Radio in the Local Loop (RLL) Access Profile (RAP); Part 1: Basic telephony services.*
- [8] ETS 300 444 (1995), *Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP).*
- [9] ETS 300 822 (1998), *Digital Enhanced Cordless Telecommunications (DECT); Integrated Services Digital Network (ISDN); DECT/ISDN Interworking for intermediate system configuration; Interworking and profile specification.*