INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

T.90

Amendment 2
(07/96)

SERIES T: TERMINAL EQUIPMENTS AND PROTOCOLS FOR TELEMATIC SERVICES

Characteristics and protocols for terminals for telematic services in ISDN

Amendment 2

ITU-T Recommendation T.90 – Amendment 2

(Previously CCITT Recommendation)

AMENDMENT 2 TO ITU-T RECOMMENDATION T.90

CHARACTERISTICS AND PROTOCOLS FOR TERMINALS FOR TELEMATIC SERVICES IN ISDN

Summary

Study Group 8 has agreed to propose amendments to Recommendations T.4 and T.30 to include the optional use of the modulation system defined in Recommendation V.34. Amendment 2 to Recommendation T.90 covers the addition of a Telematics Profile Identifier to distinguish the use of the procedures in Annex C/T.30, in the analogue mode with the V.34 full-duplex mode from its use in the digital mode in the ISDN environment.

Source

Amendment 2 to ITU-T Recommendation T.90, was prepared by ITU-T Study Group 8 (1993-1996) and was approved under the WTSC Resolution N° 1 procedure on the 3rd of July 1996.

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. Some 179 member countries, 84 telecom operating entities, 145 scientific and industrial organizations and 38 international organizations participate in ITU-T which is the body which sets world telecommunications standards (Recommendations).

The approval of Recommendations by the Members of ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, 1993). In addition, the World Telecommunication Standardization Conference (WTSC), which meets every four years, approves Recommendations submitted to it and establishes the study programme for the following period.

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.

CONTENTS

Amendment 2 to Recommendation T.90

CHARACTERISTICS AND PROTOCOLS FOR TERMINALS FOR TELEMATIC SERVICES IN ISDN

(Geneva, 1996)

1 Introduction

Since Annex C/T.30 provides for the sending of the XID information field (as defined in Recommendation T.90) in the DIS-DCS/DTC interchange, it becomes necessary to distinguish the use of Annex C/T.30 in analogue mode with V.34 full duplex from its use in digital mode in the ISDN environment. A new TPI, with its associated coding is therefore required to be added to subclauses F.3.1.3/T.90 and F.3.1.4/T.90 to identify this mode of use of Annex C/T.30.

2 Required changes to Annex F of Recommendation T.90

F.3.1.3 Figure F.4 shows the data format for the Telematics Profile Identifier block.

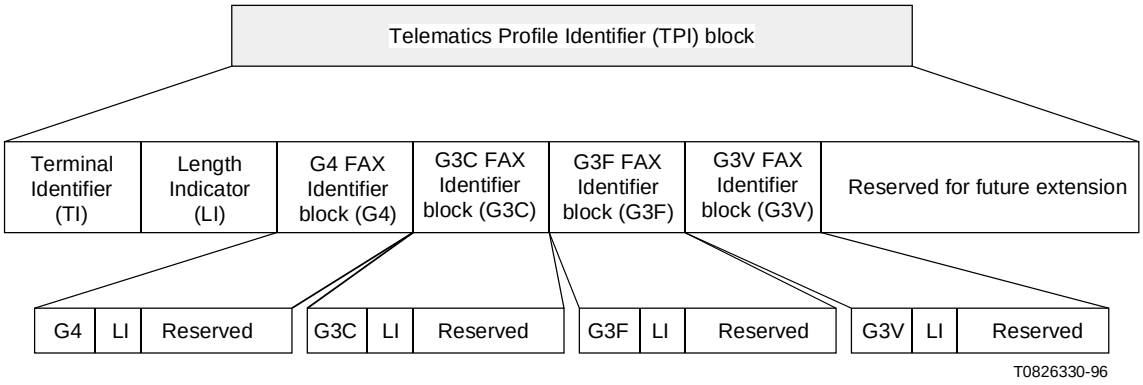

FIGURE F.4/T.90

Data format for the Telematics Profile Identifier block

F.3.1.4 TPI codings

TABLE F.4/T.90

Telematics Provider Indicator Codings for the TPI block

8	7	6	5	4	3	2	1	Content
0	0	0	0	0	0	0	0	Reserved
0	0	0	0	0	0	0	1	Terminal Identifier (TI)
0	0	0	1	0	0	0	0	Reserved
0	0	0	1	0	0	0	1	G4
0	0	0	1	0	0	1	0	G3C FAX Identifier (G3C) (Annex C/T.30 digital mode)

8	7	6	5	4	3	2	1	Content
0	0	0	1	0	0	1	1	G3F FAX Identifier (G3F) (Annex F/T.4)
0	0	0	1	0	1	0	0	G3V FAX Identifier (Annex C/T.30 analogue mode. Note)
0	0	0	1	0	1	0	1	}
				:				} Reserved for future extension
1	1	1	1	1	1	1	1	}
NOTE - G3V identifies analogue transmission using the Annex C/T.30 procedures.								

Coding example: TPI format for G3C (without parameters) only.

TI	LI	G3C FAX Identifier	LI
0000 0001	0000 0010	0001 0010	0000 0000

NOTE - For multi-mode terminals, several identifiers (e.g. G4 and G3F) may be indicated.

FIGURE F.5/T.90

Coding example for G3C (without parameters)

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Series A	Organization of the work of the ITU-T
Series B	Means of expression
Series C	General telecommunication statistics
Series D	General tariff principles
Series E	Telephone network and ISDN
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media
Series H	Transmission of non-telephone signals
Series I	Integrated services digital network
Series J	Transmission of sound-programme and television signals
Series K	Protection against interference
Series L	Construction, installation and protection of cables and other elements of outside plant
Series M	Maintenance: international transmission systems, telephone circuits, telegraphy, facsimile and leased circuits
Series N	Maintenance: international sound-programme and television transmission circuits
Series O	Specifications of measuring equipment
Series P	Telephone transmission quality
Series Q	Switching and signalling
Series R	Telegraph transmission
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Series V	Data communication over the telephone network
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