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INTERNATIONAL TELECOMMUNICATION UNION

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SERIES T: TERMINALS FOR TELEMATIC SERVICES

**Facsimile code points for use with
Recommendation V.8 *bis***

ITU-T Recommendation T.66
Superseded by a more recent version

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION T.66

FACSIMILE CODE POINTS FOR USE WITH RECOMMENDATION V.8*bis*

Summary

This Recommendation defines the coding to be used in V.8 *bis* negotiation to enable the selection of T.30 facsimile related capabilities

Source

ITU-T Recommendation T.66 was prepared by ITU-T Study Group 8 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 16th of October 1997.

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FOREWORD

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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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Recommendation T.66

FACSIMILE CODE POINTS FOR USE WITH RECOMMENDATION V.8bis

(Geneva, 1997)

1 Scope

This Recommendation defines the code point reserved in Recommendation V.8 bis for definition by Study Group 8 as dedicated to T.30 facsimile applications and further defines in successive octets the capabilities that may be negotiated.

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 editions of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- ITU-T Recommendation H.324 (1996), *Terminal for low bit rate multimedia communication.*
- ITU-T Recommendation T.30 (1996), *Procedures for document facsimile transmission in the general switched telephone network.*
- ITU-T Recommendation T.39 (1997), *Application profiles for simultaneous voice and facsimile terminals.*
- ITU-T Recommendation V.8 bis (1996), *Procedures for the identification and selection of common modes of operation between Data Circuit-terminating Equipments (DCEs) and between Data Terminal Equipments (DTEs) over the general switched telephone network and on leased point-to-point telephone-type circuits.*
- ITU-T Recommendation V.34 (1996), *A modem operating at data signalling rates of up to 33 600 bit/s for use on the general switched telephone network and on leased point-to-point 2-wire telephone-type circuits.*
- ITU-T Recommendation V.61 (1996), *A simultaneous voice plus data modem, operating at a voice plus data signalling rate of 4800 bit/s, with optional automatic switching to data-only signalling rates of up to 14 400 bit/s, for use on the general switched telephone network and on leased point-to-point 2-wire telephone type circuits.*
- ITU-T Recommendation V.70 (1996), *Procedures for the simultaneous transmission of data and digitally encoded voice signals over the GSTN, or over 2-wire leased point-to-point telephone type circuits.*

3 Abbreviations

This Recommendation uses the following abbreviations:

ASVF	Analogue Simultaneous Voice And Facsimile communication
CCITT	International Telegraph and Telephone Consultative Committee
DSVF	Digital Simultaneous Voice And Facsimile communication
GSTN	General Switched Telephone Network
ISO	International Organization for Standardization
ITU-T	International Telecommunication Union – Telecommunication Standardization Sector

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4 Introduction

Recommendation V.8 *bis*, in Table 6/V.8 *bis* reserves a code in V.8 *bis* to escape to the Study Group 8 defined capabilities for negotiation. This Recommendation defines this code point as dedicated to T.30 facsimile applications and further defines in successive octets the capabilities that may be negotiated.

5 Coding for the Standard Information Field

Bit 5 of Table 6-2/V.8 *bis* (Standard Information Field – {SPar(1)} Coding) is indicated as "Reserved for use by ITU-T/Study Group 8". The accompanying Note 4 specifies that the Level 2 and 3 Pars associated with this SPar(1) are reserved for allocation by ITU-T/Study Group 8.

Table 1 defines the label of Bit 5 of Table 6-2/V.8 *bis* (Standard Information Field – {SPar(1)} Coding) as T.30 facsimile.

Table 1/T.66 – Standard Information Field – {SPar(1)} coding

SPar(1)s	8	7	6	5	4	3	2	1
Defined in Rec. V.8 <i>bis</i>	x	x	x	x	x	x	x	1
Defined in Rec. V.8 <i>bis</i>	x	x	x	x	x	x	1	x
Defined in Rec. V.8 <i>bis</i>	x	x	x	x	x	1	x	x
Defined in Rec. V.8 <i>bis</i>	x	x	x	x	1	x	x	x
T.30 facsimile	x	x	x	1	x	x	x	x
Defined in Rec. V.8 <i>bis</i>	x	x	1	x	x	x	x	x
Defined in Rec. V.8 <i>bis</i>	x	1	x	x	x	x	x	x
Defined in Rec. V.8 <i>bis</i>	x	0	0	0	0	0	0	0

6 Coding for the Standard Information Field – T.30 facsimile

The coding of the first octet of the NPar(2) coding is shown in Table 2. The T.30 procedures code point is applicable in the case where V.8 *bis* is used with facsimile/telephone switching (OutGoing Message – OGM) and no V.8 is forthcoming, i.e. T.30 modulation schemes that do not depend on V.8 for initiation. The other code point contains the modulation types which could be indicated with V.8 *bis* in the facsimile environment.

Table 2/T.66 – Standard Information Field – T.30 facsimile {NPar(2)} coding – Octet 1

NPar(2)s	8	7	6	5	4	3	2	1
T.30 procedures (without V.8)	x	x	x	x	x	x	x	1
V.34 (half duplex mode)	x	x	x	x	x	x	1	x
V.34 (duplex mode)	x	x	x	x	x	1	x	x
V.61 (ASVF)	x	x	x	x	1	x	x	x
V.70 (DSVF)	x	x	x	1	x	x	x	x
Non-standard capabilities	x	x	1	x	x	x	x	x
No parameters in this octet	x	x	0	0	0	0	0	0

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The coding of second octet of the Group 3 facsimile Standard Information Field is used to indicate other capabilities, as shown in Table 3.

Table 3/T.66 – Standard Information Field – T.30 facsimile {NPar(2)} coding – Octet 2

NPar(2)s	8	7	6	5	4	3	2	1
H.324 (MSVF)	x	x	x	x	x	x	x	1
Extended negotiation method	x	x	x	x	x	x	1	x
MS initiated session (Note)	x	x	x	x	x	1	x	x
Reserved for allocation by ITU-T	x	x	x	x	1	x	x	x
Reserved for allocation by ITU-T	x	x	x	1	x	x	x	x
Reserved for allocation by ITU-T	x	x	1	x	x	x	x	x
No parameters in this octet	x	x	0	0	0	0	0	0
NOTE – Session initiated by the responding terminal.								

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