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Series G

Supplement 31
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SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

General aspects of digital transmission systems;
terminal equipments – Other terminal equipments

STATUS OF WORK OF PRESENTLY CONSIDERED DIGITAL CIRCUIT MULTIPLICATION EQUIPMENT (DCME) DOCUMENTS

Reedition of Supplement 31 to CCITT G-Series
Recommendations published in the Blue Book,
Fascicle III.4 (1988)

NOTES

1   Supplement 31 to CCITT G-Series Recommendations was published in Fascicle III.4 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2   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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Supplement No. 31

STATUS OF WORK OF PRESENTLY CONSIDERED DIGITAL CIRCUIT MULTIPLICATION EQUIPMENT (DCME) DOCUMENTS

(Melbourne, 1988)

(referred to in Recommendation G.763)

The intent is to achieve a single comprehensive DCME Recommendation based on the current work of various Administrations, recognized private operating agencies and recognized standards bodies.

Consideration is being given to make the CCITT Recommendation on DCME applicable to all circumstances where DCME is required (i.e. cable and satellite, various signalling protocols, etc.). It will be of such detail that equipment conforming to it, but obtained from different design sources, would work together satisfactorily within a single system.

Documents important to the study of a detailed DCME Recommendation (planned and available) include:

INTELSAT – A detailed specification – *INTELSAT earth station standards (IESS)* (Document IEES-501 Rev.1) *digital circuit multiplication equipment specification, 32 kbit/s ADPCM with DSI*, (15 March 1988) has been approved and issued by the INTELSAT Board of Governors.

France – Contribution to Study Group XV, April 1988, *Description of a bearer frame format and associated assignment channel used in the CELTIC-3G DCMS, and performance evaluation* (which incorporates a 2 bit overload strategy on speech signals).

EUTELSAT – Detailed EUTELSAT specification (Document BS14-49), *DCME specification, 32 kbit/s ADPCM and DSI*, May 1988, approved by the EUTELSAT Board of Signatories (Note 1).

Committee T1 – *Digital circuit multiplication equipment interworking standard*, under study with draft standard scheduled for submission for voting at the end of 1988 (Note 2).

Note 1 – This specification is based in a large part on the INTELSAT specification IESS-501 Rev.1 with modifications and additions appropriate to the European: countries (particularly R2D signalling system accomodation).

Note 2 – The current draft is based in large part on the INTELSAT specification IESS-501, 16 September 1987, with modifications appropriate to the US national situation.

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