INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.2931

Amendment 2
Corrigendum 1
(06/2000)

SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for access signalling

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Digital subscriber signalling system No. 2 – User-network interface (UNI) layer 3 specification for basic call/connection control

Amendment 2

Corrigendum 1

ITU-T Recommendation Q.2931 – Amendment 2 – Corrigendum 1

(Formerly CCITT Recommendation)

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ITU-T Recommendation Q.2931

Digital subscriber signalling system No. 2 – User-network interface (UNI) layer 3 specification for basic call/connection control

AMENDMENT 2

CORRIGENDUM 1

Summary

This Corrigendum is being issued because an error has been detected in the description of the coding of the OUI fields in various DSS2 information elements. One of these, the "ATM adaptation layer parameters" information element is contained in ITU-T Q.2931 Amendment 2 (03/99). The corrigendum makes this amendment of ITU-T Q.2931 consistent with a compatible correction introduced in Amendment 4/Q.2931. The corrigendum only shows the corrected text.

Source

Corrigendum 1 to Amendment 2 to ITU-T Recommendation Q.2931 was prepared by ITU-T Study Group 11 (1997-2000) and approved under the WTSC Resolution 1 procedure on 15 June 2000.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSC Resolution 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.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, 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.

ITU-T Recommendation Q.2931

Digital subscriber signalling system No. 2 – User-network interface (UNI) layer 3 specification for basic call/connection control

AMENDMENT 2

CORRIGENDUM 1

Replace the final page of Table 4-6 with the following:

Table 4-6/Q.2931 – AAL parameters information element

Profile Source (octet 11.1, bits 8-7 when octet 8.1 = 00010001 for AAL type 2) Bits 8 0 0 ITU-T predefined profile used (See Annex P/I.366.2.) 0 Other predefined profile used All other values reserved. *Predefined profile (octet 11.2, when octet 8.1 = 00010001 and octet 9, bits 8-5 = 0000 for AAL type 2)* This field contains the binary coded value for the profile identifier of the profile which is administered by the organization identified by the OUI in the following octets (if octet 11.1, bits 8-7 = 01) or which is administered by the ITU-T in ITU-T I.366.2 (if octet 11.1, bits 8-7 = 00). *IEEE Organizationally Unique Identifier (OUI) (octets 11.3, 11.4 and 11.5, when octet 8.1 = 00010001; octet 9, bits 8-5 = 0000 and octet 11.1, bits 8-7 = 01* When the "other predefined profile " is used, octets 11.3, 11.4, and 11.5 contain a globally administered Organizationally Unique Identifier (OUI) (as specified in IEEE Standard 802-1990, section 5.1).
NOTE 1 – The default AAL for voice is the AAL specified in ITU-T I.363 for voiceband signal transport based on 64 kbit/s (see ITU-T G.711 and G.722). NOTE 2 – For AAL for voice, no further parameters are specified beyond the ones given in part 1 of 8 of Figure 4-12. NOTE 3 – When provisioning ATM connections that support AAL type 1 SDT service, the SDT protocol may distinguish between SDT block sizes with a value of "1" and SDT block sizes ranging from 2 to 2^{16} –1. The special case using a block size of "1" is under study; see I.363. NOTE 4 – ITU-T I.366.1 indicates that the parameters for the assured data transfer mechanism are specified in ITU-T Q.2110. NOTE 5 – The assured data transfer mechanism can only be selected if the transmission error detection mechanism is also detected.

Table 4-6/Q.2931 – AAL parameters information element *(concluded)*

NOTE 6 – If the value of this parameter is disabled, the user shall not change to Circuit Mode Data or Facsimile Demodulation operation.

NOTE 7 – If octet 9, bits 8-5 = 0001 (Multirate service), transport of Circuit Mode Data must be enabled.

NOTE 8 – In case of the absence of AAL parameter subfields, the following default values will apply:

- Subtype: no default (must be signalled for AAL type 1).
- CBR Rate: no default (must be signalled for AAL type 1).
- Multiplier: no default (must be signalled for CBR Rate n = 64 kbit/s and n = 8 kbit/s).
- Clock Frequency Recovery: default = null.
- Error Correction: default = null.
- SDT Block Size: default = no SDT is used.
- Partially Filled Cells: default = partially filled cells method is not used, i.e. cells are filled completely.
- Forward max. CPCS-SDU size: default = 65 535 octets.
- Backward max. CPCS-SDU size: default = 65 535 octets.
- MID range: default = 0-0 (no multiplexing via MID field).
- SSCS-Type: default = null.
- Maximum CPS-SDU size: default = 45.
- Maximum number of multiplexed channels: default = 255.
- Assured data: default = mechanism not used.
- Error detect: default = not selected.
- Forward maximum SSSAR-SDU size: default = 65 535 octets.
- Backward maximum SSSAR-SDU size: default = 65 535 octets.
- Service category: default = audio service.
- PCM encoding: default = A-law.
- Profile source: default = ITU-T and predefined profile = 1.
- Fax, CAS, DTMF, MF-R1, MF-R2, CMD, FMD: default = disabled.
- Maximum length of a frame mode data unit (for AAL type 2) = 65 535 octets.

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Geneva, 2001