

I n t e r n a t i o n a l T e l e c o m m u n i c a t i o n U n i o n

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Y.1711
Amendment 1
(10/2005)

SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Internet protocol aspects – Operation, administration and
maintenance

Operation & Maintenance mechanism for MPLS
networks

Amendment 1: New function type codes

ITU-T Recommendation Y.1711 (2004) – Amendment 1



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For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation Y.1711

Operation & Maintenance mechanism for MPLS networks

Amendment 1

New function type codes

Summary

This amendment proposes two codepoints in Table 1/Y.1711: codepoint "08 H" already identified in ITU-T Rec. Y.1713 (2004) and codepoint "09 H" defined for supporting a new functionality for ITU-T Rec. Y.1720.

Source

Amendment 1 to ITU-T Recommendation Y.1711 (2004) was approved on 14 October 2005 by ITU-T Study Group 13 (2005-2008) under the ITU-T Recommendation A.8 procedure.

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 Assembly (WTSA), 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 WTSA 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.

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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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ITU-T Recommendation Y.1711

Operation & Maintenance mechanism for MPLS networks

Amendment 1

New function type codes

Add the following new codepoints to the OAM function type definition section in Table 1/Y.1711:

Table 1/Y.1711 – OAM function type codepoints

OAM function type codepoint (Hex)	First octet of OAM packet payload function type and purpose
00	Reserved
01	CV (Connectivity Verification)
02	FDI (Forward Defect Indicator)
03	BDI (Backward Defect Indicator)
04	Reserved for Performance packets
05	Reserved for LB-Req (Loopback Request)
06	Reserved for LB-Rsp (Loopback Response)
07	FFD (Fast Failure Detection)
<u>08</u>	<u>FEC-CV (Forwarding Equivalence Class – CV)</u>
<u>09</u>	<u>APS (Automatic Protection Switching)</u>

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