

International Telecommunication Union

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Y.1720**

**Amendment 1**

(02/2008)

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

Internet protocol aspects – Operation, administration and  
maintenance

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Protection switching for MPLS networks

**Amendment 1**

Recommendation ITU-T Y.1720 (2006) – Amendment 1



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# **Recommendation ITU-T Y.1720**

## **Protection switching for MPLS networks**

### **Amendment 1**

#### **Summary**

Amendment 1 to Recommendation ITU-T Y.1720 (2006) removes the informative text of Appendix II concerning the packet 1+1 protection scheme.

#### **Source**

Amendment 1 to Recommendation ITU-T Y.1720 (2006) was agreed on 22 February 2008 by ITU-T Study Group 15 (2005-2008).

## FOREWORD

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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.

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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.

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# Recommendation ITU-T Y.1720

## Protection switching for MPLS networks

### Amendment 1

This amendment to Recommendation ITU-T Y.1720 (2006) removes the informative text of Appendix II concerning the packet 1+1 protection scheme.

*In clause 7.1.1.4, delete the last sentence, as follows:*

#### **7.1.1.4 Application architecture of unidirectional packet 1+1 protection switching**

...

##### **Reference model**

Figure 9 illustrates a realization of the packet 1+1 protection scheme using sequence numbers as identifiers. After passing through the classifier, each packet that needs to be forwarded on the mated LSPs is assigned a distinct sequence number at the ingress node. This packet with the distinct identification is then duplicated and forwarded onto the two disjoint LSPs. On the egress node, a counter is used to keep track of the expected sequence number of the next packet. ~~The details of an example implementation are described in Appendix II.~~

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*Delete Appendix II and the bibliography.*





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