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Title: MPLS using LDP and ATM VC Switching
Author(s): B. Davie, J. Lawrence, K. McCloghrie, Y. Rekhter,
E. Rosen, G. Swallow, P. Doolan
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Date: January 2001
Mailbox: bsd@cisco.com, pdoolan@innovatenetworks.com,
jlawrenc@cisco.com, kzm@cisco.com,
yakov@juniper.net, erosen@cisco.com,
swallow@cisco.com
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The Multiprotocol Label Switching (MPLS) Architecture discusses a way in which Asynchronous Transfer Mode (ATM) switches may be used as Label Switching Routers. The ATM switches run network layer routing algorithms (such as Open Shortest Path First (OSPF), Intermediate System to Intermediate System (IS-IS), etc.), and their data forwarding is based on the results of these routing algorithms. No ATM-specific routing or addressing is needed. ATM switches used in this way are known as ATM-LSRs (Label Switching Routers).

This document extends and clarifies the relevant portions of and by specifying in more detail the procedures which to be used when distributing labels to or from ATM-LSRs, when those labels represent Forwarding Equivalence Classes (FECs) for which the routes are determined on a hop-by-hop basis by network layer routing algorithms.

This document also specifies the MPLS encapsulation to be used when sending labeled packets to or from ATM-LSRs.

This document is a product of the Multiprotocol Label Switching Working Group of the IETF.

This is now a Proposed Standard Protocol.

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the

standardization state and status of this protocol. Distribution of this memo is unlimited.

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