

IEEE Standards

\*DRAFT\* PROJECT AUTHORIZATION REQUEST (PAR) (rev 1.2)

1. Date of Request: 11 March 1998
2. Assigned Project#: 802.1?
3. Does this PAR revise a previously approved PAR: NO
4. Description of Proposed Document: New Standard Full Use
5. Project Title: Standard for Local and Metropolitan Area Networks -  
Supplement to Virtual Bridged Local Area Networks:  
Multiple Spanning Trees

6. Scope of Propose Standard:

To develop an architecture and protocols for the use of multiple instances of the Spanning Tree Protocol (-1-) within a network employing VLANs (-2-). The architecture and protocols will be compatible and interoperable with existing Virtual Bridged Local Area Network equipment and will support a range of implementations.

To define basic management of the Spaning Trees.

- 1- ISO/IEC 15802-3, ANSI/IEEE Std. 802.1D.
- 2- IEE Std. 802.1Q (going to sponsor ballot)

7. Purpose of Proposed Standard:

ANSI/IEEE Std. 802.1Q Virtual LANs provide the equivalent of separate LANs over a single bridged LAN, using a single instance of the Spanning Tree Protocol. Despite multiple independent implementations employing multiple instances of the Spanning Tree Protocol, there is currently no interoperability between different vendors, nor a coherent management framework for different techniques. This Standard will provide an architecture, protocols, and mappings for bridges to provide that interoperability and consistent management.

8. SPONSOR: LMSC

9. Name of group that will write the standard:

IEEE Project 802.1 Working Group

10. Target Completion Date: May 1999

11. Proposed Coordination:

Method of Coordination:

SCC10 (IEEE Dictionary)  
ISO/IEC JTC1 SC6  
  
IETF

Circulation of Drafts  
Circulation of Drafts  
Liaison Membership  
Circulation of Drafts

12. Are you aware of any patent, copyright, or trademark issues?

No.

Are you aware of any standards or projects with a similar scope?

No.

13. Copyright Agreement for IEEE Standards

I hereby acknowledge my appointment as Official Reporter to the IEEE Project 802.1 Committee to write/revise a Standards Publication (entitled or to be entitled)

IEEE Std. 802.1?  
Standard for Local and Metropolitan Area Networks -  
Supplement to Virtual Bridged Local Area Networks:  
Multiple Spanning Trees

In consideration of my appointment and the publication of the Standards Publication identifying me, at my option, as an Official Reporter, I agree to avoid \*knowingly\* incorporating any copyrighted or proprietary material of another without such other's consent and acknowledge that the Standards Publication shall constitute a "work made for hire" as defined by the Copyright Act, and, that as to any work not so defined, I agree and do hereby transfer any right or interest I may have in the copyright to said Standards Publication to IEEE.

Name W. P. Lidinsky\_\_\_\_\_ (signature of chair of working group)  
Title Chair, IEEE Project 802.1 Working Group  
Date

14. Person delegated to receive communications and conduct liaison with interested bodies:  
(This is normally the chair of the working group. If not, please indicated IEEE position.)  
TBD

15. Submitted By:  
(This is normally the sponsor's liaison to the Standards Board. If not, please indicate IEEE position and relationship to the sponsor.)  
TBD