

PAR FORM

Fill in the answers to the questions in the bracket provided.  
A Hard Copy of this document must be printed, signed with the appropriate signatures and mailed or faxed to the Standards Department for submission to NesCom.

1. Sponsor Date of Request [**November 13, 1997**]
2. Assigned Project Number (confer with staff) [**802.5u**]
3. PAR Approval Date (leave blank) [            ]
4. Project Title, Copyright Agreement and Working Group Chair for This Project

I will write/revise a Standards Publication with the following TITLE (Spell out all acronyms)

☒ Standard [for] (Document stressing the verb "SHALL."), or  
☐ Recommended Practice for (Document stressing the verb "SHOULD.") or  
☐ Guide for (Document stressing the verb "MAY.")

WRITE TITLE HERE

[**Supplement to - Information technology  
Telecommunications and information exchange between systems -  
Local and metropolitan area networks -**

**Part 5: Token Ring access method and physical layer specifications**

**Optical Fiber Physical Layer Specification for 100 Mbit/s Token Ring operation]**

I hereby acknowledge my appointment as Official Reporter (usually the W.G. Chair) to the (Name of Working Group)  
[**IEEE 802.5 Token Ring Working Group**]

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 in the Standards Publication 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 defined, I agree to and do hereby transfer any right or interest I may have in the copyright to said Standards Publication to IEEE.

Signature of Official Reporter  
Chair\_\_\_\_\_

Name [**Robert D. Love**]

Date [**October 23, 1997**]

Title [**Chair, IEEE 802.5 Working Group**]

Company [**IBM**]

Address [**PO Box 12195 E33a/656**]

City [**Research Triangle Park**]

State [**NC**]

Zip [**27709**]

IEEE Member Number [**1609353**]

Telephone [**919 543-2746**]

Fax [**919 254-0343**]

E-Mail [rdlove@us.ibm.com]

5. Describe this project: (Choose ONE from each group below)

- a. [NO] Update an existing PAR (Yes or No/project number/approval date)  
Is this in ballot now? (Yes or No)
- b. [NO] New Standard (Yes or No)  
[NO] Revision of an existing standard. (No or Yes/standard  
number/year)  
[YES] ISO/IEC 8802-5:1998] Supplement to an existing standard (No or  
Yes/standard number/year)
- c. [X] Full Use (5-year life cycle)  
[] Trial Use (2-year life cycle)
- d. [July 1999] Fill in target completion date for submittal to IEEE  
Standards Review Committee (RevCom).

6. Scope of Proposed Project (What is being done including the technical  
boundaries of the project?)

[Provide extensions to the 100 Mbit/s 802.5 Token Ring standard on two  
pair copper to support transmission over optical fibre as specified in  
IS-11801 (and EIA/TIA 568A) based on using the 100BASE-FX PHY and the  
FDDI fibre PMD.

The standard will consist of specifications for both stations and ports.

The MAC will operate a dedicated Token Ring link, using the TXI Access  
Protocol as defined for 4/16 Mbit/s Token Ring operation. If required,  
minimal MAC changes will be incorporated.

~~The frame format at the MAC/LLC interface will be preserved.]~~

7. Purpose of Proposed Project (Why is it being done, including the  
intended user(s) and benefits to that user(s))

[To provide a cost effective fibre optic solution for current IEEE 802.5  
Token Ring users by developing a standard for a High Speed Token Ring  
LAN based on the present IEEE 802.5 MAC, for incorporation into present  
802.5 Token Ring environments with minimal increase in LAN complexity,  
and minimal disruption to Token Ring users.

This standard is expected to support emerging applications requiring  
higher bandwidths than are currently available with 4 and 16 Mbit/s  
signaling rates.]

8. Sponsor (Give full name; spell out all Acronyms) Society/Committee:  
[IEEE Computer Society / LAN MAN Standards Committee]

9.

9(a.1) Are you aware of any patents, relevant to this project? (YES,  
[attach explanation] or No) [Yes. Patent letters similar to those  
appropriate for 802.3u will be obtained for this supplement. If other  
technology incorporated into the standard requires the use of patents,  
the appropriate letters of permission will also be obtained.]

9(a.2) Are you aware of any copyrights relevant to this  
project? (YES, [attach explanation] or No) [No]

9(a.3) Are you aware of any trademarks relevant to this  
project? (YES, [attach explanation] or No) [No]

9b. Are you aware of any other standards or projects with a

similar scope? (YES, [attach explanation] or No). [**Yes, existing technologies can be combined to provide similar functionality to Token Ring at 100Mbit/s over fibre. However, Token Ring is the only standard that can provide true native support for eight user priority levels, source routing, token ring management and frame lengths of between 22 and 18200 octets.**

**Token Ring networks employ these facilities extensively today and High Speed Token Ring is the clearest migration path to preserving these facilities.]**

9c. Is this standard intended to form the basis of an international standard? (Yes, or No [attach explanation]) [**Yes**]

9d. Is this project intended to focus on health, safety or environmental issues? (Yes, [attach explanation], No, or Do Not Know)) [**No**]

10. Proposed Coordination/Recommended Method of Coordination. (Coordination is accomplished in any of the following three ways: Circulation of Drafts or Liaison Membership or Common Membership.)

10a. Mandatory Coordination

**[SCC 10 (IEEE Dictionary) and IEEE Staff Editorial Review - Circulation of Drafts**

**SCC 14 (Quantities, Units, and Letter Symbols) - Circulation of Drafts]**

10b. IEEE Coordination requested by Sponsor: (Use additional page if necessary). If you believe your project will require a Registration Authority, please list IEEE RAC (refer to Working Guide)

**[US TAG for JTC1/SC6 WG 1 & 3 - Circulation of Drafts  
X3.T10 - Circulation of Drafts ]**

10c. Additional Coordination Requested by Others. (Leave blank. This will be completed by the Standards Staff).  
[ ]

11. Submitted by: (This MUST be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board)  
Signature of Submitter\_\_\_\_\_

Name [**James Carlo**]

Title [**IEEE802 LMSC Sponsor Chair**]

Date [\_\_\_\_\_]

Company [**Texas Instruments Inc.**]

Address [**9208 Heatherdale Drive**]

City [**Dallas**]

State [**TX**]

Zip [**75243**]

IEEE Member Number [**05572953**]

Telephone [**972-480-2524**]

Fax [**972-480-2611**]

E-Mail [**jcarlo@ti.com**]