

1. Sponsor Date of Request 2. Assigned Project Number 3. PAR Approval DATE
[8June98] [P802.5t] _____

[] PAR Signature Page Received {IEEE Staff to check Box}

4. Project Title and Working Group/Sponsor for this Project

Document type : {Place an X in only one option below}

[X] Standard for {Document stressing the verb "SHALL"}

[] Recommended Practice for {Document stressing the verb "SHOULD"}

[] Guide for {Document stressing the verb "MAY"}

TITLE: [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 - 100 Mbit/s Dedicated Token Ring Operation]

Name of Working Group(WG) : [IEEE 802.5 Token Ring]

Name of Official Reporter (usually the WG Chair): [Robert D. Love]

Title in WG: [Chair] IEEE/Affiliate Memb # [1609353]{Required}

Organization: [IBM] Telephone: [919 543-2746]

Address: [PO Box 12195 CE6a/664] FAX: [919 254-5483]

City/State/Zip: [Research Triangle Park, NC 27709] EMAIL: [rdlove@us.ibm.com]

Name of Sponsoring Society and Committee: [CS/LMSC]

Name of Sponsoring Committee Chair: [Jim Carlo]

Organization: [Texas Instruments] Telephone: [214-340-8837]

Address: [9208 Heatherdale Drive] FAX: [214-853-5274]

City/State/Zip: [Dallas, TX, 75243] EMAIL: [jcarlo@ti.com]

5. Describe this Project by answering each of four questions below:

5a. Update an existing PAR? {Yes/No} [Yes]

If Yes: Indicated PAR number/approval date [P802.5t/Dec,1997]

If YES: Attach letter indicating changes/rationale for changes.

If Yes: Is this PAR in ballot now? [No] {Yes/No}

5b. Choose one from the following:

b1 -[] New Standard

b2 -[] Revision of existing standard {number and year} []

b3 -[X] Supplement to existing standard [IEEE Std 802.5-1998]

5c. Choose one from the following:

c1 -[X] Full Use (5-year life cycle)

c2 -[] Trial Use (2-year cycle)

5d. Fill in Target Completion Date to IEEE RevCom [Dec, 1998]

6. Scope of Proposed Project

[Generate a standard for 100 Mbit/s 802.5 Token Ring LANs with MACs based on the present 802.5 Token Ring MAC. It will support 2-pair Category 5 (100 ohm) and STP (150 ohm) cabling based on the 802.3 100BASE-TX PHY and support transmission over optical fibre based on using the 100BASE-X PHY and the FDDI fibre PMD. All cabling as specified in ISO/IEC-11801 (and EIA/TIA 568-A). The standard will consist of specifications for both stations and ports. The Media Access Control (MAC) will operate a dedicated Token Ring link, using the Transmit Immediate (TXI) Access Protocol as defined for 4/16 Mbit/s Token Ring operation with minimal modifications to support operation with the IEEE 802.3 100 Mbit/s Physical Layer (100BASE-TX PHY). The Token Ring management objects defined for 4/16 Mbit/s operation will continue to be used for 100Mbit/s operation. The frame format at the MAC/LLC (Logical Link Control) interface will be preserved.]

7. Purpose of Proposed Project:

[To provide a cost effective solution for current IEEE 802.5 Token Ring users by specifically 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. Intellectual Property {Answer each of the questions below}

8a. Are you aware of any patents relevant to this project?

[Yes] {Yes, with detailed explanation below/ No}

[Patents which apply to the present Token Ring technology still apply. Patent letters covering these patents are on file with IEEE. In addition, patent letters similar to those appropriate for 802.3u will be obtained for this supplement. If other technology to be incorporated into the standard requires the use of other patents, the appropriate letters of permission will be sought.]

8b. Are you aware of any copyrights relevant to this project?

[No] {Yes, with detailed explanation below/ No}

8c. Are you aware of any trademarks relevant to this project?

[No] {Yes, with explanation below/ No}

9. Are you aware of other standards or projects with a similar scope?

[Yes, existing technologies can be combined to provide similar functionality to Token Ring at 100Mbit/s. 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. High Speed Token Ring is also the only standard that will retain pin usage with existing Token Ring. Other 100 Mbit/s LAN standards include ISO/IEC 9314 (FDDI), 802.3u, and 802.12.]

10. International Harmonization

Is this standard planned for adoption by another international organization?

[Yes] {Yes/No/?? if you don't know at this time}

If Yes: Which International Organization [ISO/IEC JTCl/SC6]

11. Is this project intended to focus on health, safety or environmental issues?

[No] {Yes/No/?? if you don't know at this time}

12. Proposed Coordination/Recommended Method of Coordination

12a. Mandatory Coordination

SCC 10 (IEEE Dictionary) by DR

IEEE Staff Editorial Review by DR

SCC 14 (Quantities, Units and Letter symbols) by DR

12b. Coordination requested by Sponsor and Method:

[US TAG for SC6/WG3] by [DR] {circulation of DRafts/LIaison memb/COMmon memb}

12c. Coordination Requested by Others:

[] {added by staff}

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I hereby acknowledge my appointment as Official Reporter (usually the WG Chair) to the

[IEEE 802.5 Token Ring] {Name of 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 _____ Date _____

Name of Official Reporter (usually the WG Chair): [Robert D. Love]

Title in WG: [Chair] IEEE/Affiliate Memb # [1609353]{Required}

Organization: [IBM] Telephone: [919 543-2746]

Address: [PO Box 12195 CE6a/664] FAX: [919 254-5483]

City/State/Zip: [Research Triangle Park, NC 27709] EMAIL: [rdlove@us.ibm.com]

Submitted by: (This MUST be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board)

Signature of Submitter _____ Date _____

Name of Sponsor Committee Chair: [Jim Carlo]

Relationship to Sponsor: [CS/LMSC Chair]

Organization: [Texas Instruments] Telephone: [214-340-8837]

Address: [9208 Heatherdale Drive] FAX: [214-853-5274]

City/State/Zip: [Dallas, TX, 75234] EMAIL: [jcarlo@ti.com]

The submitter must be the sponsoring committee's liaison to the IEEE Standards Board or the chair of the sponsoring committee. The PAR will not be submitted to the Standards Board without the signature of the Official Reporter and the Sponsor Committee Chair. Once the PAR is completed, it shall be forwarded to the person designated by the sponsor as responsible for submitting it to the Standards Board New Standards Committee/NESCOM (normally the sponsoring committee's liaison to the IEEE Standards Board). Be certain to include all attachment sheets and supporting correspondence. The submitter will be notified in writing when the PAR is received and when the PAR will be considered for approval by the Standards Board. After the Standards Board meeting, the submitter and official reporter will be notified in writing of the action taken.

Signature by IEEE Officer: _____ Date: _____

Title: _____