IEEE-SA Standards Board Project Authorization Request (PAR)
(2000-Rev 1)

1. Sponsor Date of Request   [2000 Nov]

2. Assigned Project Number   [P802.17]

3. PAR Approval DATE   [   ] {IEEE-Standards Staff to fill in box
{Copyright release must be received with appropriate signatures
by FAX (1-732-562-1571)}
[ ] PAR Signature Page on File {IEEE Staff to check Box}

4. Project Title and Working Group/Sponsor for this Project
Document type and title: {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 {Documents in which good practices are suggested}

TITLE: [Information Technology -
Telecommunications and information exchange between systems -
Local and metropolitan area networks -
Specific requirements -
Resilient Packet Ring Access Method]

Name of Working Group(WG) : [Resilient Packet Ring Working
Group]

Name of Official Reporter (usually the WG Chair) who MUST be an
SA member as

well as an IEEE/Affiliate Member: [Michael Takefman]
IEEE-Standards Staff has verified that the Official Reporter (or Working Group Chair) is an
IEEE and an IEEE-SA Member: [ ] (Staff to check box}
Telephone: [613-271-3399]   FAX: [613-271-3333]
EMAIL: [tak@cisco.com]

Name of WG Chair (if different than Reporter): [ ]
IEEE-Standards Staff has verified that the Working Group Chair is an IEEE and an IEEE-SA
Member: [ ] (Staff to check box}
Telephone: [ ]   FAX: [ ]
EMAIL: [ ]

Name of Sponsoring Society and Committee: [Computer Society, LAN/MAN Standards Committee]
Name of Sponsoring Committee Chair: [Jim Carlo]
IEEE-Standards Staff has verified that the Sponsor is an IEEE and an IEEE-SA Member: [ ]
(Staff to check box}
Telephone: [214-693-1776]   FAX: [214-853-5274]
EMAIL: [jcarlo@ti.com]

5. Type of Project:

5a.   Is this an update to an existing PAR? {Yes/No} [NO]
If YES: Indicated PAR number/approval date [ ]
If YES: Is this project in ballot now? [ ] {Yes/No}
[Indicate changes/rationale for revised PAR in Item #16. This should be no more than 5 lines.]

5b. Choose from one of the following:
[X] New Standard
[ ] Revision of existing standard {number and year} [ ]
[ ] Amendment (Supplement) to existing standard {number and year}
]
[ ] Corrigenda to existing standard {number and year} [ ]

6. Life Cycle
[X] Full Use (5-year life cycle)
[ ] Trial Use (2-year life cycle)

7. Balloting Information
Choose one of the following:
[X] Individual Sponsor Ballot Process
[ ] Entity (not Individual) Sponsor Ballot Process
[ ] Mixed Balloting (combination of Individual and Entity Sponsor
     Balloting)

Expected Date of Submission for Initial Sponsor Ballot: [Nov 2002]

8. Fill in Projected Completion Date for Submittal to RevCom
[March 2003]

9. Scope of Proposed Project
[what is being done, including technical boundaries on the work. This
should be brief (less than 5 lines recommended. For Standard revision
the scope should reflect the scope of the resultant standard, including
the scope of the original standard, supplements and additions.]

Define a Resilient Packet Ring Media Access Protocol for use in Local
Metropolitan, and Wide Area Networks, along with appropriate
Physical Layer specifications for transfer of data packets at rates
scalable to multiple gigabits per second.

10. Purpose of Proposed Project:
[Why it is being done, including intended users, and benefits to users.
This should be brief (less than 5 lines recommended). For Standards
revisons, the purpose should be the purpose of the original standard an
include why the standard is being revised.]

The standard will define a very high speed network protocol that is
optimized for data transmission in resilient optical ring topologies.
Current standards are either optimized for voice transmission, or
optimized for mesh topologies. There is no high speed (greater than 1
billion bits per second) networking standard in existence which is
optimized for data transmission in ring topologies.

11. Intellectual Property {Answer each of the questions below}

Are you aware of any patents relevant to this project?
[No] {Yes, with detailed explanation below/ No}
[ ] {Explanation}

Are you aware of any copyrights relevant to this project?
[No] {Yes, with detailed explanation below/ No}
[ ] {Explanation}

Are you aware of any trademarks relevant to this project?

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

Are you aware of any registration of objects or numbers relevant to thi
project?
[Yes] {Yes, with explanation below/ No}
The Media Access Controller defined in this standard will use
Organizational Unique Identifiers as administered by the IEEE
Registration Authority. May also require the assignment of Ethertypes

12. Are you aware of other standards or projects with a similar scope?
[Yes] {Yes, with explanation below/ No}
[ ] {Explanation}
ANSI T1X1.5 may be working on related issues.

13. 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 JTC1 SC6]
If Yes: Include coordination in question 15 below
If No: Explanation [ ]

14. Is this project intended to focus on health, safety or environmental
issues?
[No] {Yes/No/?? if you don't know at this time}
If Yes: Explanation? [ ]

15. Proposed Coordination/Recommended Method of Coordination

Mandatory Coordination
SCC 10 (IEEE Dictionary)   by DR
IEEE Staff Editorial Review   by DR
SCC 14 (Quantities, Units and Letter symbols) by DR

Coordination requested by Sponsor and Method:
[JTC1 SC6] by [DR] {circulation of DRafts/LIaison memb/COmmo
memb}
[   ] by [ ] {circulation of DRafts/LIaison memb/COmmon memb}
[   ] by [ ] {circulation of DRafts/LIaison memb/COmmon memb}
[   ] by [ ] {circulation of DRafts/LIaison memb/COmmon memb}
{Choose DR or LI or CO for each coordination request}

Coordination Requested by Others:
[ ] {added by staff}

16.   Additional Explanation Notes: {Item Number and Explanation}
[ ]{If necessary, these can be continued on additional pages}