IEEE-SA Standards Board Project Authorization Request (PAR) (1999-Rev 1)

1. Sponsor Date of Request   [**December 10, 1999**]

2. Assigned Project Number   [**P802.3ae**]

3. PAR Approval DATE   [30 January 2000] {IEEE Staff to fill in box}
{Copyright release must be received with appropriate signatures
by postal mail or FAX (1-732-562-1571)}
[X] 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 {Documents in which good practices are suggested}

TITLE: [Information Technology -
Local & Metropolitan Area Networks - Part 3:
Carrier Sense Multiple Access with Collision Detection
(CSMA/CD) Access Method and Physical Layer Specifications -
**Media Access Control Parameters, Physical Layers and
Management Parameters for 10 Gb/s Operation**]

Name of Working Group(WG) : [**IEEE 802.3 Working Group**]

Name of Official Reporter (usually the WG Chair) who MUST be an SA member as
well as an IEEE/Affiliate Member: [**Geoffrey O. Thompson**]
Title in WG: [**WG Chair**]   IEEE/SA/Affiliate Member # [**02646453**]{Required}
Company: [**Nortel Networks**]   Telephone: [**+1 408 495 1339**]
Address: [**PO Box 58185**]   FAX: [+1 408 495 5615]
City/State/Zip: [**Santa Clara, CA 95052**] EMAIL: [**gthompso@nortelnetworks.com**]

Name of WG Chair (if different than Reporter): [DNA]
IEEE/Affiliate Memb # [   ]{Required}
Company: [   ]   Telephone: [   ]
Address: [   ]   FAX: [   ]
City/State/Zip: [   ]   EMAIL: [   ]

Name of Sponsoring Society and Committee: [**LAN/MAN Standards Committee (LMSC)**]
Name of Sponsoring Committee Chair: [**Jim Carlo**]
Company: [**Texas Instruments**]   Telephone: [**+1 214** 693 1776]
Address: [**9208 Heatherdale Drive**]   FAX: [**+1 214** 853 5274]
City/State/Zip: [**Dallas, TX 75243**]   EMAIL: [**jcarlo@ti.com**]

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

5a.   Update an existing PAR? {Yes/No} [**NO**]
If YES: Indicated PAR number/approval date [   ]
If YES: Attach cover letter indicating changes/rationale for changes.
If YES: Is this project in ballot now? [   ] {Yes/No}

5b. Choose one from the following:
b1 -[   ] New Standard
b2 -[   ] Revision of existing standard {number and year} [ ]
b3 -[**X**] Amendment (Supplement) to existing standard {number and year} [**Std
802.3 1998 Edition and approved supplements**]

b4 -[ ] Corrigenda to existing standard {number and year} [ ]

5c. Choose one from the following:
c1 -[**X**] Full Use (5-year life cycle)
c2 -[ ] Trial Use (2-year cycle)

5d. Choose one from the following:
d1 -[**X**] Individual Sponsor Ballot Process
d2 -[ ] Entity (not Individual) Sponsor Ballot Process

5e. Fill in Target Completion Date to IEEE RevCom [**March, 2002**]

6. Scope of Proposed Project
{what is being done, including technical boundaries on the work}
[**Define 802.3 Media Access Control (MAC) parameters and minimal augmentation of its operation, physical layer characteristics and management parameters for transfer of LLC and Ethernet format frames at 10 Gb/s using full duplex operation as defined in the 802.3 standard.
In addition to the traditional LAN space, add parameters and mechanisms that enable deployment of Ethernet over the Wide Area Network operating at a data rate compatible with OC-192c and SDH VC-4-64c payload rate.**] {This should be brief (less than 5 lines recommended)}

7. Purpose of Proposed Project:
{why it is being done, including intended users, and benefits to users}
[**The purpose of this project is to extend the 802.3 protocol to an operating speed of 10 Gb/s and to expand the Ethernet application space to include Wide Area Network links in order to provide a significant increase in bandwidth while maintaining maximum compatibility with the installed base of 802.3 interfaces, previous investment in research and development, and principles of network operation and management.**] {This should be brief (less than 5 lines recommended)}

8. Intellectual Property {Answer each of the questions below}
8a. Are you aware of any patents relevant to this project?
[**No**] {Yes, with detailed explanation below/ No}
[ ] {Explanation}

8b. Are you aware of any copyrights relevant to this project?
[**No**] {Yes, with detailed explanation below/ No}
[ ] {Explanation}

8c. Are you aware of any trademarks relevant to this project?
[**No**] {Yes, with explanation below/ No}
[ ] {Explanation}

8d. Are you aware of any registration of objects or numbers relevant to this project?
[**No**] {Yes, with explanation below/ No}

9. Are you aware of other standards or projects with a similar scope?
[**No**] {Yes, with explanation below/ No}
[There is no other project that uses the 802.3 MAC at speeds above 1000 Mb/s.] {Explanation}

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 JTC1 SC6 WG3**]
If Yes: Include coordination in question 13 below
If No: Explanation [   ]

11. 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? [   ]

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:
[**SC6/WG3 via US TAG**] by [DR]
[**SC25/WG3 via US TAG**] by [DR]}
[**SC25/WG4 via US TAG**] by [DR]
[**ASC T1X1**] by [DR]
[**ITU-T SG15, Question 11**] by [DR]
{Choose DR or LI or CO for each coordination request}

12c. Coordination Requested by Others:
[   ] {added by staff}

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

To: jcarlo@ti.com
From: Jodi Haasz <j.haasz@ieee.org>
Subject: P802.3ae Standard for Information Technology - Local & Metropolitan Area Networks
- Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method
and Physical Layer Specifications - Media Access Control Parameters, Physical Layers and
Management Parameters for 10 Gb/s Operation
Cc: gthompso@nortelnetworks.com
Bcc:
X-Attachments: :Macintosh HD:43480:802-3ae.pdf:

31 January 2000

Dr. Jim Carlo
Texas Instruments
9208 Heatherdale Drive
Dallas, TX 76243

Re: P802.3ae Standard for Information Technology - Local & Metropolitan Area
           Networks - Part 3: Carrier Sense Multiple Access with Collision
           Detection (CSMA/CD) Access Method and Physical Layer Specifications
           - Media Access Control Parameters, Physical Layers and Management
           Parameters for 10 Gb/s Operation

Dear Dr. Carlo:

I am pleased to inform you that on 30 January 2000 the IEEE-SA Standards Board approved
the above referenced project. A copy of the file is attached in .pdf format.

At the bottom of this e-mail, please find URLs which you may find useful in the development of
your proposed standard and in submitting your final draft for approval. Written responses from
all committees/organizations listed on the PAR as proposed coordination must be included
with the final draft when it is submitted.

If coordination is effected by common membership, i.e., a person on the standard's
developing committee who is also a member of the committee/organization specified on the
PAR for coordination, there must be a document included with the final draft from that
coordinating body which states that person is authorized to represent it. We strongly
recommend that a copy of your draft be sent to this office for review prior to the final voting by
the working group to allow for a quick review by the editorial staff before sponsor balloting.

If you should have any further questions or would like to receive this information in paper,
please contact me at 732-562-6367 or by email at j.haasz@ieee.org

Sincerely,

Jodi Haasz

Administrator, Standards Process Support
NesCom Administrator

cc: G. Thompson

PS - The information in the .pdf file is viewable in Adobe Reader, version 3.0 or higher. If you do not have this software, please go to http://www.adobe.com/prodindex/acrobat/readstep.html#reader to download the free version.

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Standards Process-at-a-Glance
http://standards.ieee.org/resources/glance.html - A quick-reference site useful to any standards developer.

IEEE Standards Style Manual
http://standards.ieee.org/guides/style/index.html - Guidelines that establish style and format requirements for the preparation of proposed IEEE standards.

IEEE Standards Companion
http://standards.ieee.org/guides/companion/index.html - An overall view of the standards process; what to do, what to avoid, lessons learned, and sample forms.

Implement Plan for Metric Policy 9.20
http://standards.ieee.org/announcements/metric.html - Information on when, why and how the plan will be implemented and what exceptions exist.

Leading a Standards Development Group
http://standards.ieee.org/faqs/ltpres.html#q1 - A free training session offered by staff to make the most of the standards process. After attending, you will have a great understanding of:

- the need for due process and consensus
- how to submit PARs and Drafts
- the "legal" aspects (copyrights, trademarks, patents)
- how staff can help you

Standards Coordinating Committee 10
http://standards.ieee.org/faqs/SCC10.html - An explanation of the importance of coordinating with the IEEE Dictionary (SCC10) as is mandated on the PAR form.

Balloting Information
http://standards.ieee.org/resources/glance_at_balloting.html