

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

1. Sponsor Date of Request [December 10, 1999]
2. Assigned Project Number [P802.3af]
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-
Telecommunications and information exchange between systems-
Local and metropolitan area networks-
Specific requirements-
Part 3: Carrier sense multiple access with collision detection (CSMA/CD)
access method and physical layer specifications
**Data Terminal Equipment (DTE) Power via
Media Dependent Interface (MDI)]**

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] EMAIL: [gthompo@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} [802.3-1996]
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 [December, 2001]

6. Scope of Proposed Project

{what is being done, including technical boundaries on the work}
[Define methodology for the provision of power via balanced cabling to connected Data Terminal Equipment with 802.3 interfaces. The amount of power will be limited by cabling physics and regulatory considerations. Compatibility with existing equipment will be considered.] {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}
[To provide power for a new class of devices with 802.3 interfaces enabled by progress in silicon technology. These devices are characterized by low power requirements and LAN connectivity.] {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?
[Yes] {Yes, with detailed explanation below/ No}
[Assurance letters will be actively solicited during the course of the project.
] {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?

[YES] {Yes, with explanation below/ No}
[TIA TR41.3.4 and TR41.4 have within the scope of their projects for the specification of IP telephone sets. TIA has asked 802.3 to provide a specification for them to use by reference] {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]

[TIA TR41.3.4] by [DR] {circulation of DRafts/LIaison memb/COmmon memb}

[TIA TR41.4] by [DR] {circulation of DRafts/LIaison memb/COmmon memb}

[IEEE 1394b] by [DR] {circulation of DRafts/LIaison memb/COmmon memb}

{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: P802.3af Standard for Information Technology - Telecommunications and Exchange Between Systems - Local & Metropolitan Area Networks - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)
Cc: gthomps@nortelnetworks.com
Bcc:
X-Attachments: :Macintosh HD:43480:802-3af.pdf:

31 January 2000

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

Re: P802.3af Standard for Information Technology - Telecommunications and Exchange Between Systems - Local & Metropolitan Area Networks - Specific Requirements - Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications - Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)

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