IEEE-SA Standards Board Project Authorization Request (PAR) Form (2002)

For a review of the Standards Development Process (designed to assist the Working Group, Working Group Chair, Sponsor Chair, and Society Liaison), please check here.

1. Assigned Project Number (Please leave blank if not available)   [P802.1AC]

2. Sponsor Date of Request   [2002 July 12]

3. Type of Document (Please check one)
[X] Standard for {document stressing the verb "shall"}
[ ] Recommended Practice for {document stressing the verb "should"}
[ ] Guide for {document in which good practices are suggested, stressing the verb "may"}

4. Title of Document: Draft [Standard for Media Access Control (MAC) Service Definition]

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

6. Type of Project:
[XX – but see "purpose" below] New standard
[ ] Revision of existing standard (indicate Number and year existing standard was published in box to the right) [ ] (####-YYYY)
[ ] Amendment to an existing standard (indicate Number and year existing standard was published in box to the right) [ ] (####-YYYY)
[ ] Corrigendum to an existing standard (indicate Number and year existing standard was published in box to the right) [ ] (####-YYYY)
[ ]Revised PAR (indicate PAR Number and Approval Date here: P [ ] - [ ] (YYYY-MM-DD)
     Is this project in ballot now? [ ]
     State reason for revising the PAR in Item #18.

7. Contact information of Working Group Chair who must be an SA member as well as an IEEE and/or Affiliate Member

Name of Working Group(WG) : [802.1]

Name of Working Group Chair:
First Name [Tony] Last Name: [Jeffree]
Telephone: [+44-161-973-4278]
FAX: [+44-161-973-6534]
EMAIL: [tony@Jeffree.co.uk]

8. Contact Information of Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair. The Official Report must be an SA member as well as an IEEE and/or Affiliate Member

Name of Official Reporter (if different than Working Group Chair:
First Name [ ] Last Name: [ ]
Telephone: [ ]
FAX: [ ]
EMAIL: [ ]

9. Contact information of Sponsoring Society or Standards Coordinating Committee

Sponsoring Society and Committee: [IEEE P802 LMSC]
Sponsor Committee Chair: [Paul Nikolich]
First Name [ ] Last Name: [ ]
Telephone: [781 334-6524,]
FAX: [781 334-2255]
EMAIL: [p.nikolich@ieee.org]

10. Sponsor Balloting Information (Please choose one of the following)
Choose one from the following:
[XX] Individual Balloting
[ ] Entity Balloting
[ ] Mixed Balloting (combination of Individual and Entity Balloting)

Expected Date of Submission for Initial Sponsor Ballot: [2004-12-31] (Format:
YYYY-MM-DD)

Please review the PAR form three months prior to submitting your draft for
ballot to ensure that the title, scope and purpose on the PAR form match the
title, scope and purpose on the draft. If they do not match, you will need to
submit a revised PAR.

Additional communication and input from other organizations or other IEEE
Standards Sponsors should be encouraged through participation in the working
group or the balloting pool.

11. Projected Completion Date for Submittal to RevCom [2005-12-31] (Format:
YYYY-MM-DD)

    If this is a REVISED PAR and the completion date is being extended past the
    original four-year life of the PAR, please answer the following questions.
    If this is not a revised PAR, please go to question #12

    Statement of why the extension is required: [ ]

    When did you begin writing the first draft? (Format: YYYY-MM-DD): [ ]

    How many people are actively working on the project?: [ ]

    How many times a year does the working group meet in person?: [ ]

    How frequently is a draft version circulated to the working group via
    electronic means?: [ ]

    How much of the Draft is stable (Format: NN%)?: [ ]

    How many significant working revisions has the Draft been through?: [ ]

    Briefly describe what the development group has already accomplished, and
    what remains to be done: [ ]

12. Scope of Proposed Project
[Projected output including technical boundaries. REVISED STANDARDS - Projected
output including the scope of the original standard, amendments and additions.
Please be brief (less than 5 lines).]

To define the Medium Access Control Service found in Local and Metropolitan Area
Networks, and the Internal Sublayer Service and Extended Internal Sublayer
Service provided within MAC Bridges, in abstract terms of

    a)   their semantics, primitive actions and events,

    b)   the parameters of, interrelationship between, and valid sequences
            of, these actions and events.

13. Purpose of Proposed Project:
[Intended users and user benefits. REVISION STANDARDS - Purpose of the original
standard and reason for the standard's revision. Please be brief (less than 5
lines).]

The MAC service was originally defined within an ISO/IEC standard (ISO/IEC
15802-1), and the Internal Sublayer Services are defined within IEEE 802.1D and
IEEE 802.1Q. The purpose of this standard is to revise the documentation of
these existing services within a single, common service definition standard. It
is not the purpose of this project to make technical changes to these services.

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

Sponsor has reviewed the IEEE patent policy with the working group?
[Yes] {Yes/No}

Sponsor is aware of copyrights relevant to this project?
[No] {Yes/No}

Sponsor is aware of trademarks relevant to this project?
[No] {Yes/No}

Sponsor is aware of possible registration of objects or numbers due to this
project?
[No] {Yes/No}

15. Are there other standards or projects with a similar scope?
[Yes] {Yes, with explanation below/ No}
[see 13 "Purpose".] {Explanation}

    If Yes, please answer the following:
    Sponsor Organization: [ISO/IEC JTC1 SC6, IEEE 802]
    Project Number: [(1) 15802-1, (2) IEEE 802.1D, (3) 802.1Q]
    Project Date: [(1) 1995, (2) 1998, (3) 1998] (YYYY-MM-DD)
   Project Title: [(1) Information technology - Telecommunications and information exchange
between systems - Local and metropolitan area networks - Common specifications - Part 1:
Medium access control (MAC) service definition; (2) MAC Bridges; (3) Virtual Bridged LANs
(see Purpose above)]

16. International Sponsor Organization
Is there potential for this standard (in part or in whole) to be submitted to an
international organization for review/adoption?
[No] {Yes/No/?? if you don't know at this time}

If Yes, please answer the following questions:
International Committee Name and Number: [   ]

International Organization Contact Information:
Contact First Name: [   ]
Contact Last Name: [   ]
Contact Telephone Number: [   ]
Contact FAX Number: [   ]
Contact E-mail address: [   ]

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

18.   Additional Explanatory Notes: {Item Number and Explanation}
[As the working group in ISO/IEC JTC1 SC6 responsible for 15802-1 is in the
process of winding down, and as this material is still of value to the LAN
standards community in IEEE 802, it is appropriate to document this material as
an 802 standard. This also offers a useful opportunity to collect together the
MAC service definition along with the ISS and EISS which are closely related to
it, in one document.]{If necessary, these can be continued on additional pages}

The PAR Copyright Release and Signature Page must be submitted either by FAX to
732-562-1571 or as an e-mail attachment in .pdf format to the NesCom
Administrator before this PAR will be sent on for NesCom and Standards Board
approval.

5 Criteria

1 Broad Market Potential

A standards project authorized by IEEE 802 shall have a broad market potential. Specifically, it shall have the potential for:
a) Broad sets of applicability.
b) Multiple vendors and numerous users.
c) Balanced costs (LAN versus attached stations).

This project is relevant to all existing LAN technologies.

2 Compatibility

IEEE 802 defines a family of standards. All standards shall be in conformance with the IEEE 802.1 Architecture, Management and Interworking documents as follows: 802. Overview and Architecture, 802.1D, 802.1Q and parts of 802.1f. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with 802.
Each standard in the IEEE 802 family of standards shall include a definition of managed objects which are compatible with systems management standards.

This will be one of the standards that defines interworking requirements for other LAN standards.

3 Distinct Identity

Each IEEE 802 standard shall have a distinct identity. To achieve this, each authorized project shall be:
a) Substantially different from other IEEE 802 standards.
b) One unique solution per problem (not two solutions to a problem).
c) Easy for the document reader to select the relevant specification.

There is no other single IEEE standard that has the same scope & purpose.

4 Technical Feasibility

For a project to be authorized, it shall be able to show its technical feasibility. At a minimum, the proposed project shall show:
a) Demonstrated system feasibility.
b) Proven technology, reasonable testing.
c) Confidence in reliability.

The proposed standard will document existing, proven, standardized, technology.

5 Economic Feasibility

For a project to be authorized, it shall be able to show economic feasibility (so far as can reasonably be estimated), for its intended applications. At a minimum, the proposed project shall show:
a) Known cost factors, reliable data.

b) Reasonable cost for performance.
c) Consideration of installation costs.

The proposed standard will not adversely affect the economic factors associated with existing LAN technologies.