P802

Type of Project: Revision to IEEE Standard 802-2014
Project Request Type: Initiation / Revision
PAR Request Date:
PAR Approval Date:
PAR Expiration Date:
PAR Status: Draft
Root Project: 802-2014

1.1 Project Number: P802
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks: Overview and Architecture
 Change to Title: ~~IEEE~~ Standard for Local and Metropolitan Area Networks: Overview and Architecture

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LM/802.1 WG)
 3.1.1 Contact Information for Working Group Chair:
 Name: Glenn Parsons
 Email Address: glenn.parsons@ericsson.com
 3.1.2 Contact Information for Working Group Vice Chair:
 Name: Jessy Rouyer
 Email Address: jessy.rouyer@nokia.com
3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LM)
 3.2.1 Contact Information for Standards Committee Chair:
 Name: Paul Nikolich
 Email Address: p.nikolich@ieee.org
 3.2.2 Contact Information for Standards Committee Vice Chair:
 Name: James Gilb
 Email Address: gilb@ieee.org
 3.2.3 Contact Information for Standards Representative:
 Name: James Gilb
 Email Address: gilb@ieee.org

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:
Nov 2023
4.3 Projected Completion Date for Submittal to RevCom: Jul 2024

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
5.2 Scope of proposed standard: This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. A specification for the identification of public, private, and standard protocols is included.
Change to scope of proposed standard: This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. ~~The IEEE 802 architecture is defined, and a~~ A specification for the identification of public, private, and standard protocols is included.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Change to Is the completion of this standard contingent upon the completion of another standard? ~~No~~ Yes
Explanation: IEEE P802f is currently in the process of amending the prior base standard.
Change to Explanation: IEEE P802f is currently in the process of amending the prior base standard.
5.4 Purpose: This standard serves as the foundation for the family of IEEE 802 standards published by IEEE for local area networks (LANs), metropolitan area networks (MANs), personal area networks (PANs), regional area networks (RANs), etc.
Change to Purpose: This standard serves as the foundation for the family of IEEE 802 standards published by IEEE for local area networks (LANs), metropolitan area networks (MANs), personal area networks (PANs), ~~and~~ regional area networks (RANs), etc .

5.5 Need for the Project: This maintenance revision of IEEE Std 802 is needed to consolidate amendments, remove redundant and obsolete material, and update the standard per current IEEE SA style.

Change to Need for the Project: ~~Revision~~ This maintenance revision of ~~existing~~ IEEE ~~802-2001~~ Std ~~standard~~ 802 is needed to consolidate amendments, remove redundant ~~material~~ and ~~reflect~~ obsolete ~~the~~ material, ~~current~~ and ~~IEEE~~ update ~~802~~ the ~~architecture~~ standard ~~and~~ per ~~its~~ current ~~suite~~ IEEE ~~of~~ SA ~~standards~~ style .

5.6 Stakeholders for the Standard: Standards developers within IEEE 802. Manufacturers, distributors, and users of products and services that conform to the LAN, MAN, and PAN standards developed by IEEE 802.

6.1 Intellectual Property

    6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?
    No

    6.1.2 Is the Standards Committee aware of possible registration activity related to this project?
    Yes

    Explanation: Registries including MA-L, MA-M, MA-S, CID, EtherType, LLC, and Standard Group MAC addresses are of relevance. EUI, OUI, SAI, ELI, AAI, and other terms within RA tutorials are specified.

7.1 Are there other standards or projects with a similar scope? No
7.2 Is it the intent to develop this document jointly with another organization? No

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8.1 Additional Explanatory Notes:

myProject

📁 **View/Manage PARs**

System Date/Time: 23-DEC-2021   11:15 UTC-12

Warning: Use of the browser back button may result in unsaved data or unexpected behavior. Use system navigation buttons or menus.

Draft/Rejected PARs	PARs Submitted to NesCom	Approved/Active PARs		Submit PAR

1. Select PAR Type ➤ **2. Select Standard** ➤ **3. Create PAR** ➤ **4. Preview / Submit PAR**

* Required field

Sections: 1 ()   2 ()   3 ()   4 ()   5 ()   6 ()   7 ()   8 ()   <u>Hide all instructions</u>

Type of Project: Revision to IEEE Standard 802-2014

Standards Committee/Working Group

Change Working Group

Standards Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

Standards Committee Chair: Paul Nikolich 📇

Standards Committee Vice Chair: James Gilb 📇

Working Group Name: Higher Layer LAN Protocols Working Group

Working Group Type: Individual

Working Group Chair: Glenn Parsons 📇

Working Group Vice Chair: Jessy Rouyer 📇

Section 1

1.1 Assigned project number: `802`

If a specific project number is not required, this field can be left blank. Do not preface your project number with a P.

If left blank, a project number will be assigned by the NesCom Administrator when your PAR is received. Please contact the NesCom Administrator for any questions about a specific project number.

* 1.2 Type of document:
- ◉ Standard
- ○ Recommended Practice
- ○ Guide

Standards, Guides, and Recommended Practices are generically referred to as IEEE Standards.

Standards are generally characterized by the use of the verb "shall, and contain mandatory requirements"

Recommended practices are documents in which procedures and positions preferred by the IEEE are presented. Recommended practices are generally characterized by the use of the verb "should."

Guides are documents in which alternative approaches to good practice are suggested, but no clearcut recommendations are made. Guides are generally categorized by the use of the verb "may."

* 1.3 Life cycle: ◉ Full Use   ○ Trial Use

A standard can be designated full-use or trial-use.
For additional information on trial-use, see
http://standards.ieee.org/develop/policies/opman/sb_om.pdf.
(http://standards.ieee.org/develop/policies/opman/sb_om.pdf)

Section 2

* 2.1 Project title: Standard for Local and Metropolitan Area Networks: Overview and Architecture

The title shall not contain the acronym "IEEE". This is added to the title when the standard publishes. All other acronyms shall be spelled out in the title. Typically titles begin with "Standard for...", "Guide for..." or "Recommended Practice for...". If a general term is used to represent ranges (e.g. high, medium, low) within the title, scope, or purpose, numerically define such ranges where they first appear (title, scope, or purpose, as applicable).

Section 3

3.3 Co-Stds Committee(s):   None ▼

If you are not adding a Co-Stds Committee(s) to this project, you may leave this blank. For additional information, see SASB Ops Man http://standards.ieee.org/develop/policies/opman/sb_om.pdf.
(http://standards.ieee.org/develop/policies/opman/sb_om.pdf)

Section 4

4.1 Type of Ballot: Individual

Is the balloting group for this standard expected to be composed of individuals or of entities (persons representing corporations/government bodies/academic institutions, or SDO's)? See "Balloting Group" Clause in the IEEE SA Standards Board Operations Manual (http://standards.ieee.org/develop/policies/opman) for further explanation.

* 4.2 Expected date of submission of draft to the IEEE SA for initial Standards Association Ballot: `Nov` `2023`

Enter the date the draft standard is planned to be submitted to IEEE SA for Initial Standards Association Ballot.

* 4.3 Projected completion date for submittal to RevCom: `Jul` `2024`

Note: Usual minimum time between initial Standards Association Ballot and submission to Revcom is 6 months.

Enter the date the draft standard is planned to be submitted to RevCom for processing (not to exceed four years from the date of PAR submission). It is suggested to allow at least six months after Initial Standards Association Ballot for the ballot process. Cutoff dates for submitting draft standards to RevCom can be found in the yearly calendar located: http://standards.ieee.org/about/sasb/meetings.html. (http://standards.ieee.org/about/sasb/meetings.html)

Section 5

* 5.1 Approximate number of people expected to be actively involved in the development of this project: `30`

This includes Working Group members and additional nonvoting participants. Please note, the minimum requirement for an entity project is three.

* 5.2 Scope of proposed standard:

This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. A specification for the identification of public, private, and standard protocols is included.

The Scope should appear as it will in the draft standard.

The scope of the standard shall explain in statements of fact what is covered in the standard and, if necessary, what is not covered in the standard in other words, the technical boundaries of the document. The scope should be succinct so that it can be abstracted for bibliographic purposes.

The Scope stated on the PAR shall be written in present tense, in complete sentences, and with proper grammar as it is intended to appear in the published standard. All acronyms shall be spelled out at first use. The title and (if appropriate) date of any document referenced in the Scope shall be listed in the Additional Explanatory Notes field at the end of this PAR form.

* 5.3 Is the completion of this standard dependent upon the completion of another standard? ⦿ Yes ○ No

Your explanation should include how the standard is dependent upon the completion of another standard. Also, if applicable, why a PAR request is being submitted if the standard currently under development is not yet complete. The title and number of the standard which this project is contingent upon shall be included in the explanation.

*5.3.1 If yes, please explain:

IEEE P802f is currently in the process of amending the prior base standard.

* 5.4 Will this document contain a purpose clause? ⦿ Yes ○ No

A purpose statement is encouraged but not mandatory.

A paragraph describing the purpose of the standard is not mandatory in the draft. However, if included, the purpose of the standard and its intended application shall be included in a separate subclause (1.2). The purpose shall explain why the standards project is needed.

If the document will not include a purpose statement choose "No" and leave the purpose field blank.

The Purpose stated on the PAR shall be written in present tense, in complete sentences, and with proper grammar as it is intended to appear in the published standard. The title and (if appropriate) date of any document referenced in the Purpose shall be listed in the Additional Explanatory Notes field at the end of this PAR form.

*If Yes, please enter the purpose of the proposed standard

This standard serves as the foundation for the family of IEEE 802 standards published by IEEE for local area networks (LANs), metropolitan area networks (MANs), personal area networks (PANs), regional area networks (RANs), etc.

*5.5 Need for the project:

This maintenance revision of IEEE Std 802 is needed to consolidate amendments, remove redundant and obsolete material, and update the standard per current IEEE SA style.

The need for the project details the specific problem that the standard will resolve and the benefit that users will gain by the publication of the standard. The need statement should be brief, no longer than a few sentences.

* 5.6 Stakeholders for the Standard:

Standards developers within IEEE 802. Manufacturers, distributors, and users of products and services that conform to the LAN, MAN, and PAN standards developed by IEEE 802.

The stakeholders (e.g., telecom, medical, environmental) for the standard consist of any parties that have an interest in or may be impacted by the development of the standard.

Section 6

* 6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project? ○ Yes ● No

If the proposed standard uses copyrighted material, copyright releases must be obtained by the working group and shall be included in the final package submitted to the IEEE SA Standards Board. Additionally, remember that during development of your approved project, the proper IEEE copyright notices must be maintained on all drafts.

* 6.1.2 Is the Standards Committee aware of possible registration activity related to this project? ● Yes ○ No

The IEEE Registration Authority Committee (RAC) is a mandatory coordination body. If the proposed standard requires (or is expected to require) the unique identification of objects or numbers for use in industry, the project has registration activity. This does not cover things like code points defined within the standard.
A YES answer with brief explanation is appropriate if:
1. The proposed standard creates a new registry.
2. The proposed standard includes new use of an existing registry (whether IEEE RA or other registry authority).
Please visit the IEEE Registration Authority website (http://standards.ieee.org/regauth/index.html (http://standards.ieee.org/regauth/index.html)) for additional information regarding existing registries.

*If yes, please explain:

> Registries including MA-L, MA-M, MA-S, CID, EtherType, LLC, and Standard Group MAC addresses are of relevance. EUI, OUI, SAI, ELI, AAI, and other terms within RA tutorials are specified.

Section 7.1

* 7.1 Are there other standards or projects with a similar scope? ○ Yes ● No

Identify any standard(s) or project(s) of similar scope(s), both within or outside of the IEEE, and explain the need for an additional standard in this area.

Section 7.2

* 7.2.1 Joint development - is it the intent to develop this document jointly with another organization? ○ Yes ● No

If this document will be developed jointly with another organization outside of IEEE, notify your IEEE SA Program Manager.

Information form 7.3 - 7.4 is captured for potential follow up and coordination but will not appear on the final PAR view.

Section 7.3 International standards activities

* 7.3.1 Adoption - Is there potential for this standard to be adopted by another organization? ● Yes ○ No

If this document is to be adopted by another organization, the document must be adopted intact (whole and unmodified) and the requested contact persons entered on the submittal form. For information about adoptions, contact your IEEE SA Program Manager. If you do not know the Technical Committee name or number, please indicate by N/A.

Organization 1

* 7.3.2 Harmonization - Are you aware of another organization that may be interested in a portion of this document in their standardization development? ○ Yes ● No

If the document is to form the basis of or be included in an international standard, state the name of the organization, the number of the technical committee/subcommittee (if applicable) and the information for the contact person from the other organization, along with any other pertinent information. If you do not know the Technical Committee name or number, please indicate by N/A

*Organization: ISO/IEC

Technical committee name: Information Technology

Technical committee number: JTC1

Add another ()

Section 7.4

* 7.4.1 Does the Standards Committee foresee a longer term need for testing and/or certification services to assure conformity to the standard? ○ Yes ◉ No

For information on IEEE SA Conformity Assessment (ICAP), see http://standards.ieee.org/about/icap/ (http://standards.ieee.org/about/icap/)

* 7.4.2 Additionally, is it anticipated that testing methodologies will be specified on the standard to assure consistency in evaluating conformance to the criteria specified in the standard? ○ Yes ◉ No

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Section 7.5

* Does your Standards Committee require the completed standard to be submitted to the AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) for approval consideration as an American National Standard?

○ Yes   ◉ No

Section 8.1

Additional Explanatory Notes:

Note: If Applicable, include Section/ Item # above with Explanation.

If there is any further information that may assist NesCom in recommending approval for this project, include this information here. The title of any documents referenced in the PAR should be listed here.

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* Section 8.2 IEEE Code of Ethics

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Cancel   Delete Draft PAR   Save & Exit   Preview & Submit