

P802.1CS

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Type of Project: New IEEE Standard

PAR Request Date: 19-Sep-2016

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for a New IEEE Standard

1.1 Project Number: P802.1CS

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and Metropolitan Area Networks -- Link-local Registration Protocol

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)

Contact Information for Working Group Chair

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

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 07/2019

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2020

5.1 Approximate number of people expected to be actively involved in the development of this project: 40

5.2 Scope: This standard specifies protocols, procedures, and managed objects for a Link-local Registration Protocol (LRP) to replicate a registration database from one end to the other of a point-to-point link and to replicate changes to parts of that database. A facility will be provided to purge the replicated database if the source becomes unresponsive. LRP is optimized for databases on the order of 1 Mbyte.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: Link-local Registration Protocol is designed to facilitate the creation of application protocols that distribute information through all or part of a network.

5.5 Need for the Project: Current "802.1Q Multiple Registration Protocol (MRP)" is optimized for databases up to 1500 bytes, and slows significantly when used for larger databases. There is a need to overcome this limitation in an efficient manner.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for Professional, Industrial, Consumer electronics.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: