

P802.1CS

Submitter Email: chen.feng@siemens.com

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

Name: Glenn Parsons

Email Address: glenn.parsons@ericsson.com

Phone: 613-963-8141

Contact Information for Working Group Vice-Chair

Name: John Messenger

Email Address: jmessenger@advaoptical.com

Phone: +441904699309

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

Contact Information for Sponsor Chair

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

Phone: 8572050050

Contact Information for Standards Representative

Name: James Gilb

Email Address: gilb@ieee.org

Phone: 858-229-4822

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, to replicate changes to parts of that database, and to do so rapidly, accurately, and efficiently with regard to frames exchanged. A facility will be provided to purge the replicated database if the source becomes unresponsive. LRP will be optimized for databases on the order of 1 Mbyte or smaller.

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

5.4 Purpose: LRP is intended to facilitate the creation of application protocols that distribute information through all or part of a network.

5.5 Need for the Project: Current MRP "802.1Q Multiple Registration Protocol" is designed for much smaller database and inefficient for applications with bigger database. 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: