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

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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, 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: