

# P802.1CS

---

**Submitter Email:** [chen.feng@siemens.com](mailto: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](mailto:glenn.parsons@ericsson.com)

**Phone:** 613-963-8141

**Contact Information for Working Group Vice-Chair**

**Name:** John Messenger

**Email Address:** [jmessenger@advaoptical.com](mailto: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](mailto:p.nikolich@ieee.org)

**Phone:** 8572050050

**Contact Information for Standards Representative**

**Name:** James Gilb

**Email Address:** [gilb@ieee.org](mailto: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:** 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 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:**