

# P802.1CS

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**Type of Project:** New IEEE Standard

**PAR Request Date:** 15-Dec-2016

**PAR Approval Date:** 17-Feb-2017

**PAR Expiration Date:** 31-Dec-2021

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** P802.1CS

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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

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**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)

**Contact Information for Sponsor Chair**

**Name:** Paul Nikolich

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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**

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**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.

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## 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**

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**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**

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**8.1 Additional Explanatory Notes:**