
P802.1CS-2020/Cor 1

Type of Project: Corrigendum to IEEE Standard 802.1CS-2020

Project Request Type: Modify / Corrigendum

PAR Request Date:

PAR Approval Date:

PAR Expiration Date:

PAR Status: Draft

Root PAR: P802.1CS-2020/Cor 1

Root PAR Approved on: 20 Sep 2022

Root Project: 802.1CS-2020

1.1 Project Number: P802.1CS-2020/Cor 1

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks--Link-local Registration Protocol - Corrigendum 1 Corrections to Management Modules and Protocol Encoding

Change to Title: Standard for Local and Metropolitan Area Networks--Link-local Registration Protocol - Corrigendum 1 Corrections to ~~YANG~~ Management Data Modules Model and Protocol Encoding

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LM/802.1 WG)

3.1.1 Contact Information for Working Group Chair:

Name: Glenn Parsons

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

3.2.1 Contact Information for Standards Committee Chair:

Name: Paul Nikolich

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3.2.2 Contact Information for Standards Committee Vice Chair:

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3.2.3 Contact Information for Standards Representative:

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:

Nov 2023

Change to Expected Date of submission of draft to the IEEE SA for Initial Standards Committee

Ballot: Nov-~~2022~~ 2023

4.3 Projected Completion Date for Submittal to RevCom: Jul 2024

Change to Projected Completion Date for Submittal to RevCom: Jul-~~2023~~ 2024

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2.a Scope of the complete standard: 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 is provided to purge the replicated database if the source becomes unresponsive. Provision is made for a proxy system to operate LRP on behalf of a controlled system. LRP is optimized for databases on the order of 1 Mbyte.

5.2.b Scope of proposed changes: Correct errors in the YANG module, SNMP MIB and TLV encoding.

Change to scope of the project: Correct errors in the YANG module , SNMP MIB and TLV encoding.

5.3 Is the completion of this standard contingent upon the completion of another standard? No

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

5.5 Need for the Project: The IEEE 802.1 maintenance activity has identified a small number of

corrections to the YANG data model, Simple Network Management Protocol (SNMP) MIB and Link Layer Discovery Protocol (LLDP) type-length-value (TLV) specifications.

Change to Need for the Project: The IEEE 802.1 maintenance activity has identified a small number of corrections to the YANG data model, ~~that Simple are Network needed Management in Protocol order to correct (SNMP) technical MIB and/or editorial Link errors. Layer Discovery The corrigendum Protocol will (LLDP) correct type-length-value these (TLV) errors specifications .~~

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for professional, industrial, consumer electronics.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

No

6.1.2 Is the Standards Committee 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 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes: #2.1 While 'YANG' (developed by the Internet Engineering Task Force) appears to be an acronym its expansion 'Yet Another Next Generation' is not meaningful. YANG is a widely-used standard that is relevant to the Registration Authority.

#5.5 Corrections to the YANG module include attaching a valid YANG module to the standard with an updated revision statement. Corrections to the SNMP MIB include replacing the duplicate OID with a unique OID and deleting unnecessary text from the description of the address field of the LLDP TLV. Corrections to the LLDP TLV encoding include adding a clear indication in text and adding an informative note that a second address field can only be omitted when it would otherwise be the last of the TLV.

Change to Additional Explanatory Notes: #2.1 While 'YANG' (developed by the Internet Engineering Task Force) appears to be an acronym its expansion 'Yet Another Next Generation' is not meaningful. YANG is a widely-used standard that is relevant to the Registration Authority . #5.5 Corrections to the YANG module include attaching a valid YANG module to the standard with an updated revision statement. Corrections to the SNMP MIB include replacing the duplicate OID with a unique OID and deleting unnecessary text from the description of the address field of the LLDP TLV. Corrections to the LLDP TLV encoding include adding a clear indication in text and adding an informative note that a second address field can only be omitted when it would otherwise be the last of the TLV.