Title: Liaison to IETF LSVR work group on l3dl (Layer-3 Discovery and Liveness)
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As a result of the re-chartering of the IETF LSVR working group to include the l3dl protocol
draft-ietf-lsvr-l3dl-14 - Layer-3 Discovery and Liveness, IEEE 802.1 would like to follow up to
our liaison statement in https://datatracker.ietf.org/liaison/1637/.

IEEE Std 802.1AB-2016 specifies a simple and widely deployed layer-2 discovery protocol
known as the Link Layer Discovery Protocol (LLDP). Further, to provide for applications such
as LSVR, IEEE Std 802.1ABdh-2021 specifies an extension that greatly expands the amount of
information LLDP can exchange while maintaining backward compatibility with all prior LLDP
versions. Based on our review of the current l3dl draft, IEEE 802.1 believes that extended LLDP
per IEEE Std 802.1ABdh-2021 has sufficient facilities to support the required information
exchange.

Additionally, IEEE Std 802.1ABcu-2021 specifies the YANG modules related to the
management of extended LLDP. Clause 12 of IEEE Std 802.1ABcu-2021 describes the
configuration and monitoring objects for LLDP at large, and the YANG is written to be
extensible to support new TLVs in a consistent manner.

IEEE 802.1 still believes that it is undesirable for the industry to have multiple discovery
protocols and that new protocols should be backward compatible with widely deployed LLDP. In

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addition, existing solutions for layer 2 liveness include Connectivity Fault Management (CFM) specified in clauses 18-22 of IEEE Std 802.1Q-2022 and for layer 2 security include both encryption and authentication specified in IEEE Std 802.1AE-2018, IEEE Std 802.1X-2020, and IEEE Std 802.1AR-2018.

All previously mentioned IEEE 802.1 standards are available at no cost at https://ieeexplore.ieee.org/browse/standards/get-program/page/series?id=68. The IEEE 802 process is open and contribution driven. Participation is on an individual basis and technical discussion can be conducted based on individual contributions.

IEEE 802.1 looks forward to continued discussion on the IEEE 802.1 email reflector and to collaboration with representatives from the IETF LSVR WG:
- Through the IEEE 802 – IETF Coordination Group, and
- At upcoming IEEE 802.1 Maintenance Task Group meetings, both electronically https://1.ieee802.org/maintenance/#Upcoming_Meeting_Calendar or in-person https://1.ieee802.org/meetings/.

Considering IETF 123 and IEEE 802.1 meet back-to-back in July 2025 at the same venue in Madrid, IEEE 802.1 would also like to invite representatives from the IETF LSVR WG to join us for discussion during our July 27-31, 2025 IEEE 802.1 plenary session.

Respectfully submitted,

Glenn Parsons
Chair IEEE 802.1 WG