

# TRILL Recharter

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# Status

- Our Charter text is getting long in the tooth
  - We've only updated the milestones
- Proposed charter shared with ADs and WG
- Looking for feedback (here or on the list)
  - Missing items? Unneeded items?
  - Who will work on what items? Review docs?

# Intro Text

The TRILL WG has specified a solution for transparent multi-destination and unicast shortest-path frame routing in multi-hop networks with arbitrary topology. End stations, including Layer 3 routers, are connected to TRILL switches through IEEE 802.1-compliant Ethernet. TRILL switches may be interconnected with multi-access or point-to-point links of arbitrary technology.

The current work of the working group is around operational support and additional extensions and optimizations of TRILL for the properties of the networks on which it is deployed. The TRILL WG may also produce corrections, clarifications, and updates of existing TRILL RFCs.

# Work items (1/2)

(1) Specify the handling of Operations, Administration, and Maintenance (OAM) in networks using TRILL taking into consideration existing OAM mechanisms that might apply to TRILL.

(2) Active-Active connection at the edge of a TRILL campus.  
(draft-ietf-trill-cmt, draft-hu-trill-pseudonode-nickname)

(3) Development, within the TRILL protocol context, of requirements and specifications for broadcast/multicast (multi-destination) frame reduction, for example ARP/ND (Neighbor Discovery) reduction through use of the TRILL ESADI protocol.  
(draft-ietf-trill-directory-framework, draft-ietf-trill-esadi)

(4) Support of IP links between TRILL switches, for example to connect branch office TRILL switches to a central campus over the Internet.  
(draft-mrw-trill-over-ip)

# Work items (2/2)

(5) Support in TRILL for the IS-IS multi-level routing feature to improve scaling and the multi-topology routing feature to use different topologies on different classes or types of traffic.

(6) Specification of a reduced TRILL control plane for error isolation and interconnection between affiliated campuses under common management.

(7) Analyze the use of IS-IS security in TRILL and determine if any work is needed to accommodate any specific TRILL control or data planes security leveraging IS-IS security.

(8) Publish an interoperability and implementation report for TRILL as an Informational RFC.

## More charter text

The TRILL WG will continue to work with other IETF working groups such as the ISIS WG, and SDO groups such as IEEE 802.1 through established inter-WG relationships and SDO liaison processes, including early and WG last call review by the ISIS WG of documents extending IS-IS routing.