

Highlights of

TRILL: Clarifications, Corrections, and Updates

draft-ietf-trill-rfc7180bis-01

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Purpose of RFC 7180 and Draft rfc7180bis

- “ Some parts of the TRILL base protocol specification have been found to be unclear based, for example, on questions posted to the WG mailing list.
- “ Errors are found in the specification.
- “ Base protocol updates are needed to provide extensions and support new features.

Updates Added in rfc7180bis

“ More Important Updates

- . Addition of an optional alternative stronger RPF check, as discussed on the WG mailing list.
- . Addition of mandatory E-L1FS (Extended Level One Flooding Scope) FS-LSP support [RFC7356] increasing the number of available LSP fragments by over two orders of magnitude. Provision is made for indicating support and backwards compatibility with legacy TRILL switches.
- . Addition of a sub-TLV to associate flags with nicknames. Initial use is to flag nicknames to be used as an ingress nickname to reduce RPF tables.

Clarifications Added in rfc7180bis

” Major Clarifications Added

- . Appendix A describing the life cycle of a TRILL port
- . Appendix B giving example TRILL PDUs in hex. This is particularly to clarify some bit ordering issues raised on the WG mailing list.
- . Appendix C on the Appointed Forwarder Status Lost Counter.

Items in RFC 7180 Removed in rfc7180bis

- “ Updates to [RFC6327] (Adjacency) since they are now in [RFC7177] that obsoleted [RFC6327].
- “ Updates to [RFC6439] (Appointed Forwarders) since they will be in an rfc6439bis that will obsolete [RFC6439].

Questions / Action

“ Questions?

“ Action: Request WG Last Call on draft-ietf-trill-rfc7180bis-01.txt.