

Vendor Channel Protocol

draft-eastlake-trill-vendor-channel-00.txt

Donald E. Eastlake 3rd d3e3e3@gmail.com

Yizhou Li liyizhou@huawei.com

Weiguo Hao haoweiguo@huawei.com

Huawei Technologies

Ayan Banerjee ayabaner@gmail.com

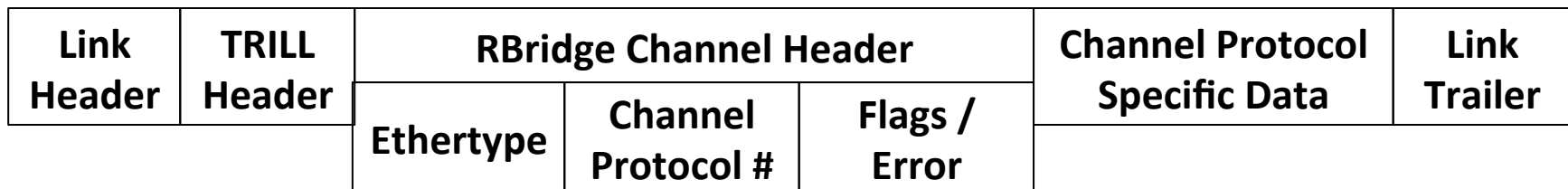
Insieme Networks

TRILL RBridge Channel

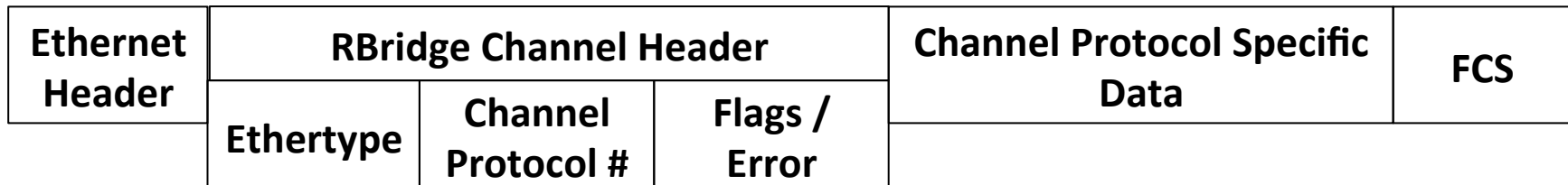
- RBridge Channel is a facility for sending typed messages between
 - RBridges in the same campus
 - End stations and RBridges on the same link
- In the RFC Editor's queue
 - draft-ietf-trill-rbridge-channel-08.txt
- Used, for example, as the envelope for BFD
 - draft-ietf-trill-rbridge-bfd-07.txt

TRILL RBridge Channel

- Between RBridges in the same campus



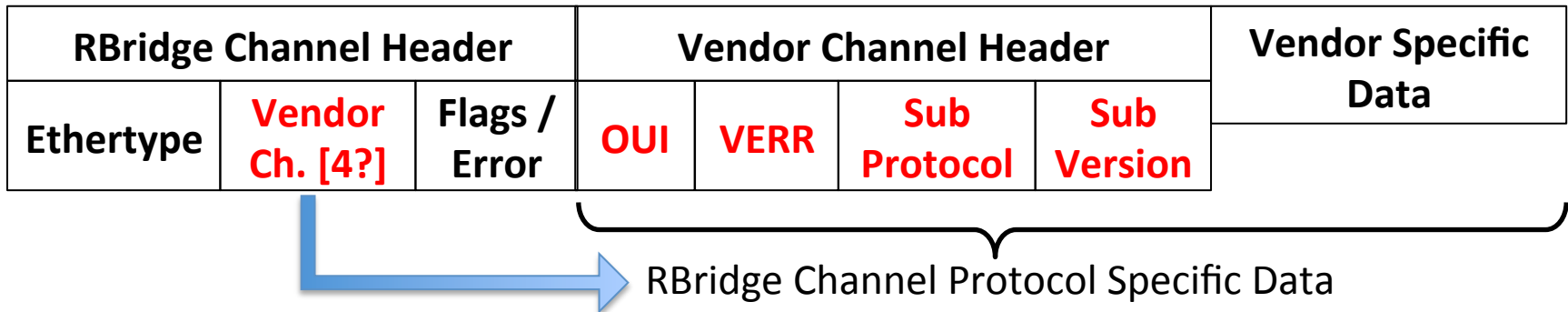
- Between end stations and RBridges on the same link



Vendor Channel Purpose

- Will provide a way for RBridge manufactures to send messages between instances of their equipment in a TRILL campus.
- This could be easier if RBridges were required to have IP addresses or MAC addresses but they are not. They have nickname(s).
- RBridge Channel messages address RBridges by
 - nickname, or
 - data label scoped set of RBridges

Vendor Channel Protocol



- The Vendor Channel value in the RBridge Channel Protocol number means the Channel protocol specific data starts with a Vendor Channel Header:
 - OUI to identify the vendor
 - Error reporting field
 - Optionally 8 bits of Vendor sub-protocol and 8 bits of version for that sub-protocol

END