

Vendor Channel Protocol

Donald E. Eastlake 3rd d3e3e3@gmail.com

Yizhou Li liyizhou@huawei.com

Weiguo Hao haoweiguo@huawei.com

Huawei Technologies

Ayan Banerjee ayabaner@gmail.com

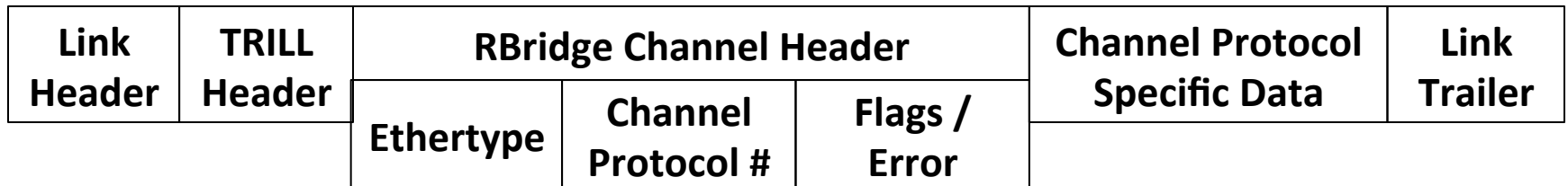
Cisco

TRILL RBridge Channel

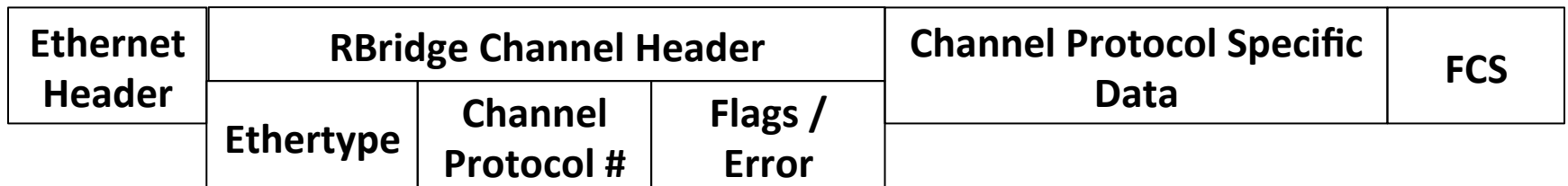
- RBridge Channel is a facility for sending typed messages between
 - RBridges in the same campus
 - End stations and RBridges on the same link
- RBridge Channel specified in RFC 7178
- Examples of use
 - TRILL BFD encapsulation: RFC 7175
 - TRILL Pull Directory messages: RFC 8171

TRILL RBridge Channel

- Between RBridges in the same campus



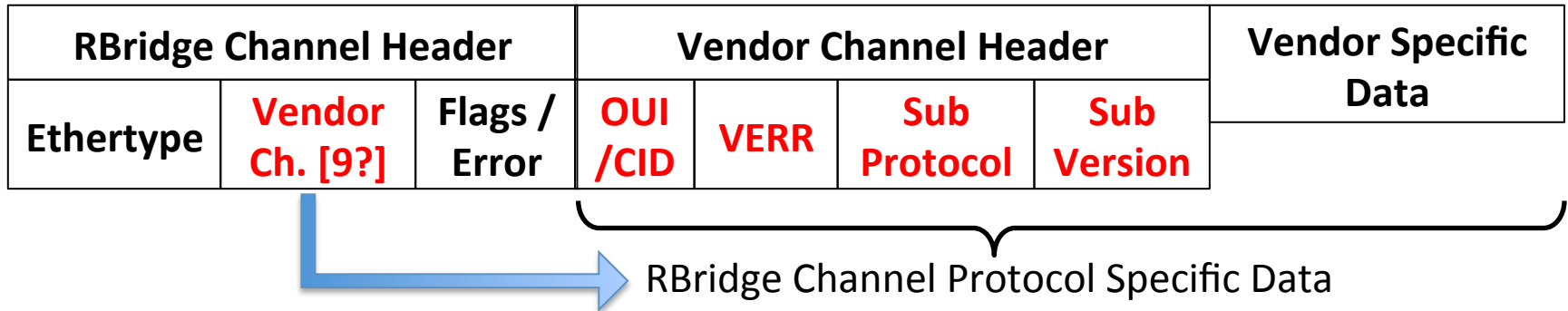
- Between end stations and RBridges on the same link



Vendor Channel Purpose

- Provides a way for RBridge manufactures to send messages between instances of their equipment in a TRILL campus.
- This might 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:
 - Mandatory OUI/CID (IEEE Organizational Unique Identifier or Company Identifier)
 - Optional but recommended fields for vendor error reporting and to indicate a sub-protocol and the version of that sub-protocol

END