



Note that the second suggestion is very important for proper behavior under all conditions. For example, there are some optional layers in IEEE 802.3 compliant devices, such as MAC Control. When an Ethernet interface does not implement that layer, IEEE 802.3 protocols may be passed to the higher layer. When this happens, IEEE 802.1D bridges have proper forwarding behavior to filter these protocols. Without proper filters, the resulting behavior is unpredictable.

In several of your diagrams, it appears as if an IEEE 802.3 compliant device is connected to a second device that lacks a complete IEEE 802.3 MAC. This second device is not IEEE 802.3 compliant. Because the IEEE does not recognize this device, we can make no statements about how Ethernet or Ethernet protocols will operate in networks containing such devices. For these reasons, conformance with the IEEE 802 specifications is strongly recommended. Please refer to the attached document for an overview of the IEEE 802 architecture.

A two-port IEEE 802.1D compliant bridge is not a complex device and provides the necessary filtering and controls to ensure proper behavior with IEEE 802.3 and Ethernet networking. By following this model you will ensure current and future compatibility with IEEE 802.1/802.3 standards.

Attached is IEEE P802.3ah/Draft 2.0 for your review. We look forward to your comments.

## ***Attachments***

- [1] IEEE P802.3ah/Draft 2.0
  - [2] IEEE P802-2001/Overview and Architecture
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