

Distinct Identity

Each IEEE 802 LMSC standard shall have a distinct identity. To achieve this, each authorized project shall be:

- a) Substantially different from other IEEE 802 LMSC standards.
This is an amendment to 802.1Q the only standard for VLAN aware bridges.
- b) One unique solution per problem (not two solutions to a problem).
There is no standard using link state control which allows coexistence on the same network of shortest path bridging and explicit path selection, and which also supports bandwidth and stream reservation, resiliency for data traffic, and carrying control information for time synchronization and scheduling.
- c) Easy for the document reader to select the relevant specification.
This project will amend only the IEEE 802 standard defining VLAN aware bridges.

Technical Feasibility

For a project to be authorized, it shall be able to show its technical feasibility. At a minimum, the proposed project shall show:

- a) Demonstrated system feasibility.
The function is similar in complexity to existing functions in 802.1Q and 802.1aq, which have been successfully implemented.
- b) Proven technology, reasonable testing.
The main concepts are proven and SPB is a proven technology. Compliance with the project can be tested using straightforward extensions of existing test tools for bridged networks.
- c) Confidence in reliability.
The reliability of the enhancements will be not measurably worse than that of existing SPB.

Coexistence of IEEE 802 LMSC wireless standards specifying devices for unlicensed operation

- A WG proposing a wireless project is required to demonstrate coexistence through the preparation of a Coexistence Assurance (CA) document unless it is not applicable.
- The WG will create a CA document as part of the WG balloting process.
- If the WG elects not to create a CA document, it will explain to the Sponsor the reason the CA document is not applicable.

Not applicable.

Economic Feasibility

For a project to be authorized, it shall be able to show economic feasibility (so far as can reasonably be estimated) for its intended applications. At a minimum, the proposed project shall show:

- a) Known cost factors, reliable data.
This project introduces no hardware costs beyond the minimal and well-known resources consumed by an additional software protocol whose requirements are firmly bounded.
- b) Reasonable cost for performance.
The cost of upgrading software and configuring the protocol is reasonable, given the improvement in the applicability of bridged networks, e.g. for time aware or mission critical applications.
- c) Consideration of installation costs.
The cost of installing enhanced software, in exchange for improved network performance, is familiar to vendors and users of bridged networks.