QoS/FC Study: Concerns

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Summary of concerns:
Apparent lack of awareness of ...

- Current and completed IETF work
- Completed 802.1p work
- Behavior of bridges and the 802.3x specification
- Networked application behaviors
Does not appear consistent with ...

- Bringing forward a PAR within the next few 802 plenary cycles
- Broad market potential
- Advertising the proposed work as “QoS”
Relationship and understanding of IETF work?

- **Integrated Services Specification (complete)**
  - ISSLL mapping to 802.1p

- **Differentiated Services Specification (DiffServ)**
  - architecture and IP behaviors nearing completion
  - mapping to 802.1p about to start

- **Extensive experience of congestion control**
  - WFQ, RED, CBQ etc.
Understanding of completed 802.1p work?

- Significant standardization effort just complete
  - broad industry support
  - 802.1D Annex H guidelines for use
- Any FUD will diminish value
Understanding of bridge’s use of 802.3x?

- Reliance on simulation of only one of a number of behaviors now permitted by the 802.1D Std.
- Understanding those behaviors should precede proposals for changes to standard
  - no changes may be required?
  - new non-normative recommendations in existing standards may be appropriate?
  - how can the best proposals be made otherwise?
Successful voice and video applications running over the Internet are sensitive and respond to network conditions.

- Absence of TCP does not make these “uncontrolled”.
- Successful applications in the future will be ones that work.

Understanding application behavior?
Do we know what problem we are solving?

- If extensive simulation is still to be performed surely the time to bring forth a standards proposal is when that simulation has been completed and can be judged on its merits?
  - IEEE 802 is not a research organization, it is where the results of research and experience are brought together.