

***QoS/FC Study Group  
Progress Report***



**Khaled Amer**

**Chairman**

**IEEE 802**

**Executive Committee Study Group**

**on**

**QoS/FC**

**March 1999**

# *Agenda*

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- Concerns raised in Nov plenary meeting
- Interaction with the IETF
- Interim meeting and motions
- E-mail Straw Poll

# *Concerns/Recommendations raised in November*



- Apprehension on interaction of L2 flow control with that of L4
- Concern about TCP operation if packet discard were avoided
- Need to share work of the study group with the IETF
- Vote to send a letter to the IETF asking for coordination and feedback

# *Interaction with the IETF*

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- Sent formal letter to Scott Bradner after discussing it on the reflector
- Several volunteers participated in the IETF meeting of Dec 98 with focus on
- Met and established working relationship with chairs of relevant IETF working groups

# *IETF Position*

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- Interested in the QoS work going on in the IEEE 802 study group
- Concerned about the interaction of L2 flow control with L4 flow control of TCP
  - Don't know if it would help or hurt
  - Not much work done in that area

*Conclusion: Not enough info in this area*

# *Interim Meeting*

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- Held in Miami on Monday 1/18/99
- 33 attendees (list available)
- Discussions on how to proceed with the study group
- Proposal for lab work to address concerns
- Discussions of the proposal
- Motions

# *Proposed lab work discussed in Jan*



- Investigate the interaction of L2 flow control mechanism with that of L4, in particular TCP
- Investigate how well any available L2 mechanisms for QoS and flow control fit with the mechanisms being developed by the IETF

# *Progress with lab work proposal in January*

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- Test plan discussed in the Interim meeting
- Many suggestions and discussions
- Came to an agreement on the test topology, methodology, and tests to be performed.
- Question about who would do the work was unresolved





## *Straw Polls in January*

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- "Do you think that the IEEE 802 QOS/FC Study Group should continue study of QOS/FC issues."  
(Y:10, N13: A:0).
  - Continued discussion.
  - Not enough support from the group for stepping up to do the lab work
  - QOS is not appropriate for the link layer?

# *Straw Polls in January ...*

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- "Do you think that the IEEE 802 QOS/FC ECSG should continue to perform simulation study of QOS/FC issues."  
(Y:7, N:14, A:2)

# *Straw Polls in January ...*

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- "Do you think that the IEEE 802 QOS/FC ECSG should perform hardware testing of QOS/FC issues."  
(Y:3, N:14, A:5)



## *Motion in Jan meeting*

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- "The EC Study group directs its chair to recommend to the 802 executive committee, on Monday morning of the next 802 plenary meeting, that the study group be disbanded”.

Moved:                   Mick Seaman

Seconded:               Rich Seifert

(Passed Y:14, N:5, A:3)

# *Interest in the QoS/FC SG*



- Several companies and individuals expressed interest in continuing the effort
- Several individuals indicated that they were only planning on participating in IEEE 802 meetings only because of the study group activities
- Keep on getting requests for info by phone and e-mail
- Continually adding people to the reflector requests

# *E-Mail Straw Poll*

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“Should the QoS/FC Study Group continue its work to develop a PAR for a standard to specify QoS and Flow Control support mechanisms for Layer 2 LAN/MAN Access Devices that will permit uniform Layer 3 Services across LAN/MAN connected networks.”

Y:26

N:9

A:1

# *Straw Poll Vote Details*

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Clark	Jeffries	Yes	
Floyd	Ross	Yes	
Farzin	Firoozmand	Yes	
John	Messenger		No
Keith	Balmer		No
Igor	Zhovnirovsky	Yes	
David	Chen	Yes	
Allen	Kasey	Yes	
Bill	Quackenbush		No
Buzz	Rigsbee	Yes	
Daun	Langston	Yes	
Nader	Vijeh	Yes	

# *Straw Poll Vote Details ...*



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Alan	Flatman	Yes	
Matthias	Kraner	Yes	
Jim	Mollenauer	Yes	
Dhadesugoor	Vaman	Yes	
Edward	Chan	Yes	
Bruce	Northcote	Yes	
Stefan	Wurster	Yes	
Colin	Mick	Yes	
Jeff	Lynch	Yes	
Paul	Congdon		No
Tony	Jeffree		No
Ken	Macleod	Yes	



# *Straw Poll Vote Details ...*



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Gabriel	Hecht	Yes	
Pradeep	Singh	Yes	
Hal	Keen	Yes	
G.Y.	Hanna	Yes	
Metin	Aydemir	Yes	
Geoff	Thompson		No
Brad	Booth		No
Gopal	Hegde	Yes	
Thomas	Dineen		No
Rich	Froke	Yes	
Ken	Brinkerhoff	Yes	
Andrew	Smith		Abstain

# *And then we have Rich Seifert's vote ...*



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I voted to disband the Study Group in the only "poll" that should count, a vote authorized by a motion and second to the Study Group. I stand by my opinion that the Study Group should disband.