

# ECN++: Adding ECN to TCP Control Packets

## draft-ietf-tcpm-generalized-ecn-07



Bob Briscoe, Independent  
Marcelo Bagnulo, UC3M



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# Recent ECN++ activity

- Security best practice

- Ensure consistent ECN field for same type of packet
- otherwise could leak clues about TCP state machine
- particularly RSTs, but applies to all packet types

Added to "RST (send)" section and "Security Considerations"

Thanks to Richard's FreeBSD implementation experience

- Note on detecting ECN mangling

- non-zero ECN on SYN no longer a sign of mangling
- all packets at start of a flow set to CE could be

added to "SYN (receive)" section

- Other clarifications added to draft

# Status & Next Steps

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- Ready for WGLC
- Dependent on accurate-ecn
- Any reason not to run a WGLC now anyway?

ECN++

Q&A  
spare slides