

# **Transport-layer Considerations for Explicit Cross-layer Indications**

**<draft-sarolahti-tsvwg-crosslayer-01>**

Pasi Sarolahti

Sally Floyd

Markku Kojo

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# Background

- Several related BOFs in the past
- TERNLI Bar-BOF in IETF-66
  - “Rough consensus” that documenting past work & issues would be useful
- Recent experience from the Quick-Start work
  - Many problems are common with other similar schemes
- Informative overview of the past work
  - Not specifying new protocols
  - Document known problems in explicit crosslayer mechanisms
  - Input for future proposals of new crosslayer schemes and BOFs

# Overview

- Focusing on mechanisms that require network interaction
- Classification of cross-layer communication mechanisms
- Past work
  - Not going to be a full research index of all past work
  - Focusing on IETF work (BOFs, Internet-Drafts, RFCs)
  - Referencing selected interesting papers
- Description of known problems
- Discussion of possible future steps

# Changes

- Lots of comments to -00 version
  - Generally positive
- Lots of changes between -00 and -01
- Wrote up the missing parts from -00
  - More detail about IP tunnels, references to related work
- Reorganized taxonomy
- Clarified scope
  - Multicast out of scope
  - Off-path signaling/notifications out of scope
- Defined terminology
- Changed title
- Smaller changes & nits

# Next Steps

- Looking for
  - Positive / Negative signals about the document: is it useful or not?
  - Specific comments about content
  - Guidance about the next steps
- To do for the next version:
  - Add some missing references to related work
  - More discussion on ICMP
- Should this be a tsvwg working group draft?
- If not, what should be done?