Coupled Congestion Control for RTP Media

draft-ietf-rmcat-coupled-cc-00

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What’s New?

• Results based on test cases for Coupled Congestion Control with Google Congestion Control

• Prioritization tests
Coupled-CC with GCC
Test Cases

• Media pause and resume
• RMCAT flow competing with short TCP flows
• RMCAT flow(s) competing with a long TCP Flow
• Round trip time fairness
• Competing flows with same RMCAT algorithm
• Variable available capacity with multiple RMCAT flows
Media Pause and Resume

Without FSE

FSE
RMCAT Flows Competing with Short TCP Flows

Without FSE

FSE
RMCAT Flow(s) Competing with a Long TCP Flow

One RMCAT flow vs TCP

Without FSE

FSE
Round Trip Time Fairness (starting at the same time)

Without FSE

FSE
Round Trip Time Fairness

Without FSE

FSE
Competing flows with same RMCAT algorithm (starting at the same time)

Without FSE

FSE
Competing flows with same RMCAT algorithm

Without FSE

FSE
Variable Available Capacity with Multiple RMCAT Flows

Without FSE

FSE
Prioritization Tests
Prioritization tests

NADA

GCC
What next?

• **Update the draft**
  – Incorporate Karen’s comments
  – *Text on how to apply Coupled Congestion Control to GCC*

• **Scream?**