IP Pseudowire Congestion Considerations draft-stein-pwe3-congcons-01

- Pseudowire (PW): tunneling of X through a PSN (IP or MPLS)
  - X = TDM/SDH (telephony), Ethernet, ATM, SONET/SDH, Frame Relay, …
- Primary concern: TDM (fixed bandwidth) PWs over IP
  - What if these PWs are mixed with congestion-responsive traffic?
  - PWE3 WG – no defined congestion control mechanism
- Analysis of fixed bandwidth PWs (-01 draft):
  1. Assess congestion situation using TCP throughput equation
  2. Compare with TDM service and voice quality constraints
  3. <u>Initial results promising (TDM service failure often precedes congestion issues)</u>
     - See graphs in pdf version of draft
  4. Provide operational recommendations (preliminary, more coming soon)
- Would appreciate additional congestion-control "eyes"