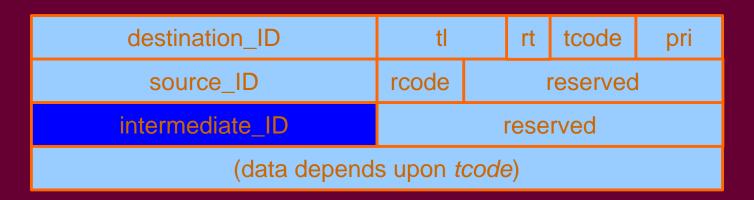# P1394.1 Bridge congestion

Peter Johansson
Congruent Software, Inc.

June 9, 1998

Where's the congestion?

- Bridge portals with insufficient resources (queues, FIFO's, *etc.*) generate *resp_conflict_error*

- This is indistinguishable from a conflict error at the terminal device itself!

- No way to pinpoint error for the user

- Can't replace *source_ID* because it interferes with transaction label matching

Modified response format

destination_ID		tl	rt	tcode	pri
source_ID		rcode	reserved		
intermediate_ID		reserved			
(data depends upon *tcode*)					

- Congested bridge portal inserts its own virtual node ID
- Management software can locate the source of the problem
- Transparent to legacy hardware / software