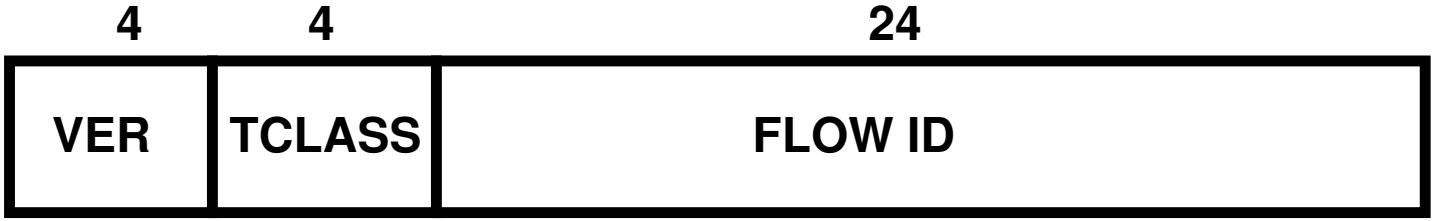
# SIPP SPECIFICATION UPDATE

Steve Deering

## IETF
## Seattle, Washington

# FLOW LABEL SPECIFIED




- Flow Uniquely Identified by
  - Source IAD + Flow ID
- FLOW ID Chosen Randomly by Source
- Flow Forwarding State obtained from control protocol or from info elsewhere in packet
- All packets in same flow must originate with same destination address, Hop-by-Hop options, and Routing Header
- Can Use FLOW ID as “shorthand” for complex packet header

# FLOW LABEL SPECIFIED (CONTINUED)

- TCLASS - Traffic Class
  - Specifies Priority of a source's packets, relative to other packets from the same source.
  - Two Priority Ranges
    - » Flow-Controlled Traffic
    - » Non-Flow-Controlled Traffic

# OTHER SPECIFICATION CHANGES

- Added Authentication Header
- Added Hop by Hop Options Header
- Addressing Details, ICMP, IGMP
  - Moved to Separate Documents

# CORRECTIONS TO LATEST SPECIFICATION

- Minor Layout Changes to Fragment Header and Routing Header
- UDP Checksum Value of Zero disallowed from SIPP Packets
- Corrected language for Hop-by-Hop Options Field Size