

# Updating DiffServ Service Class Guidelines at IETF86

draft-polk-tsvwg-rfc4594-update-03.txt  
draft-polk-tsvwg-new-dscp-assignments-02.txt

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# Agenda

- Who's Affected by this?
- What's Not Changing from RFC 4594?
- High Level Changes Proposed in the "bis"
  - New Service classes Proposed

# Who's affected by DiffServ Guidelines?

- Service Providers
  - In their core, tier-up/lateral/down and enterprise and SMB interconnections, cellular, metro, access, and residential, etc
- Enterprises
  - In their core, WAN, access, WiFi/mobility, end-users
- Content builders
- Application writers
- Hardware and Software Partners
- Inter-vendor interoperability amongst all of this
- Etc...

# What's Not Changing from RFC 4594?

- The following Service Classes are NOT altered:
  - Multimedia-Streaming
    - Remains the same
  - High-Throughput Data
    - Remains the same
  - Low-Priority Data
    - Remains the same
  - Default Forwarding
    - Remains the same
  - Network Routing
    - Remains the same
  - OAM
    - Remains the same

# High Level Changes Proposed (1/2)

## 4 Service Classes have minimal changes

- “Multimedia-Conferencing” NEW
  - Now without human audio or video
- “Broadcast”
  - Remains the same, added CS3-Admit for capacity-admitted
- “Low-Latency Data”
  - Remains the same, adds IM & Presence traffic explicitly
- ➔ • “Conversational Signaling” (A/V-Sig)
  - Was ‘Signaling’
  - Generally limits use to setting up conversational media flows
  - Changes DSCP value

Green – WG agreed to this change at IETF85

# High Level Changes Proposed (2/2)

## New “Conversational” group

- ➔ • “Realtime-Interactive”
  - Moved to (near) realtime TCP-based apps
- ➔ • “Audio”
  - Same as “Telephony” (which is now gone),
  - adds Voice-Admit for capacity-admitted traffic
- “Video”
  - For human video and audio/video conferencing
  - was in Multimedia-Conferencing
- ➔ • “Hi-Res” NEW
  - For video and audio/video conferencing
  - Created for policy-based treatment different than “Video”

Green – WG agreed to this change at IETF85