Pushing the FIB limits, perspectives on the pressures confronting modern Routers

February 5\textsuperscript{th} 2007
What the BOF aims to address

- Pressures that are leading to FIB exhaustion.
- The current and near future state of FIB implementations in modern routers and L3 switches.
- Other solutions to relieving the pressure in the near term.
- Limitations in software forwarding based routers
BOF Topics

• This is a BOF because:
  - To talk about hardware you need to be comfortable discussing specifics.
  - More fluid agenda
  - Audience participation (hopefully)
What the BOF does not intend to address

- Solving the global routing scalability problem.
- Moore's law.
- The moral peril of deaggregation, traffic engineering, or an IPV6 routing table explosion.
Agenda

- Greg Hankins – Force 10
- Suran De Silva – Cisco
- Bill Ryan – Foundry
- John Scudder – Juniper
- Ran Atkinson - Extreme
- Anybody Else?
- Me again