IPv6, IETF, and the Different Deployment Stages

Jari Arkko

Internet Area Director, IETF

Ericsson Research

ERICSSON

The Role of the IETF

- Basics: the specifications for IPv6 – Done!
- Maintenance
  - Correcting bugs, operational guidance
  - Very similar to what we do with IPv4
- Addressing new deployment requirements:
  - Ongoing!
- New features
  - Often IP-version agnostic, sometimes related to feature parity

ERICSSON

Shifting Focus

- Prior focus has largely been in the basics
- Emphasis is now on co-existence and specific deployment scenarios
  - Keeping IPv4 alive while at the same time moving forward with IPv6 (Dual-Stack Lite)
  - Enabling networks to use IPv6 before all other networks use it as well (Translation)
- But most of the deployment effort is practical – vendors, providers, planning, configuration