

# Hosting and NOC Report

November 2005  
Vancouver, Canada

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**I E T F**

**64**

**0x40**

**1000000**

**2^6**

**0100**



# Reflections on IETF 64

- > Motivation
- > Host Considerations & Challenges
- > NOC Report
- > Acknowledgements

# Motivation



FAQ #1: What made you host an IETF meeting?

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IETF 46: November 1999

FAQ #2: What made you host IETF again ??

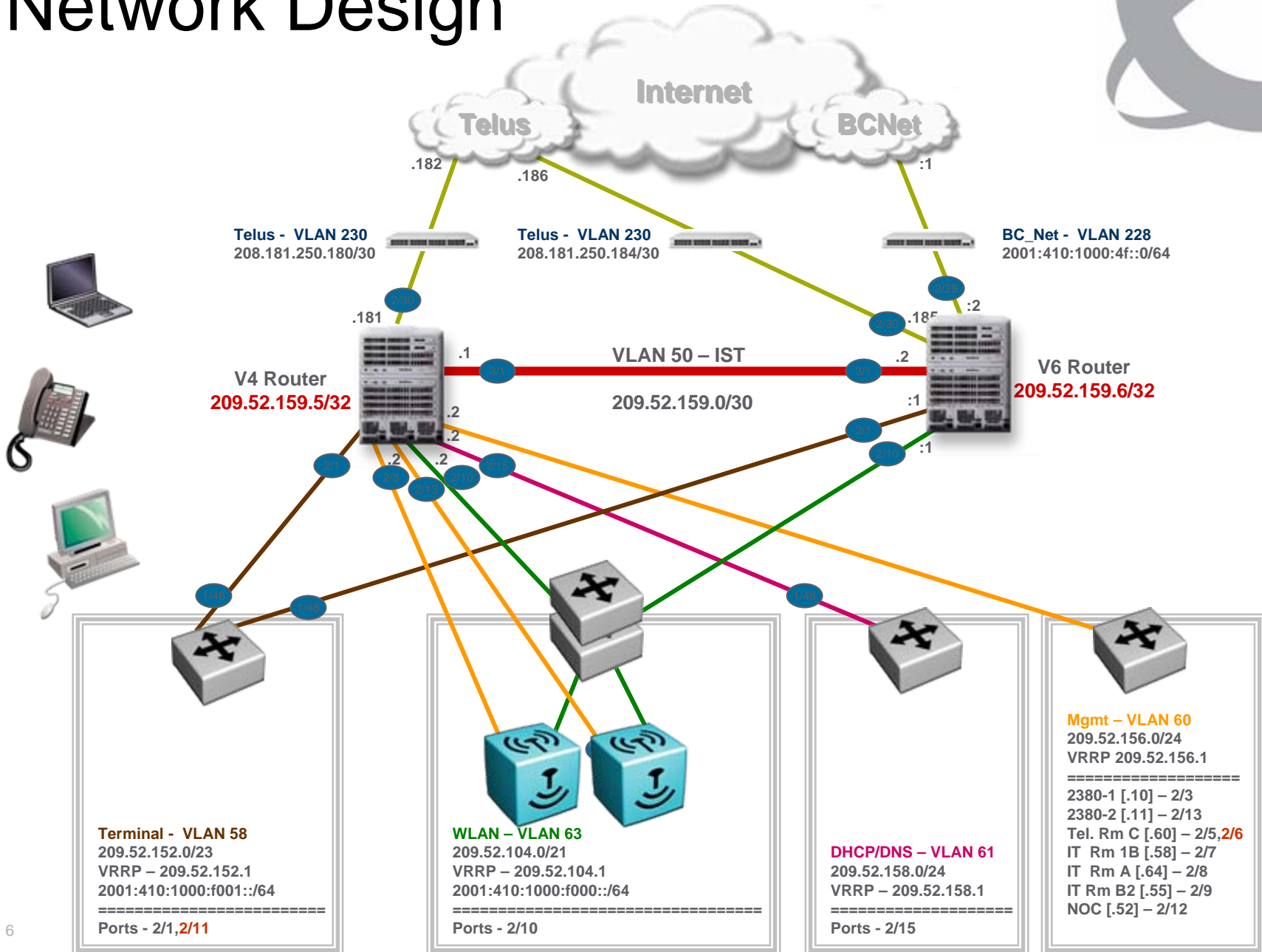
IETF 64: November 2005



# Considerations & Challenges

- > Invited to consider hosting on Oct 20, 2004
  - Desired venue = “Canada”
  - Desired dates = Required dates (i.e., already locked-in)
- > Investment = “large” (i.e. not specified)
- > Network requirements
  - WLAN for IETF venue, spanning one (or more) floors of a large hotel (or convention centre) plus public areas for the week
  - Terminal room, power, printers
  - Help Desk for PC, client configuration issues
  - Redundant broadband WAN access (min. 2 x DS-3)
- > Social Event, T-shirts, lots more ...

# Network Design



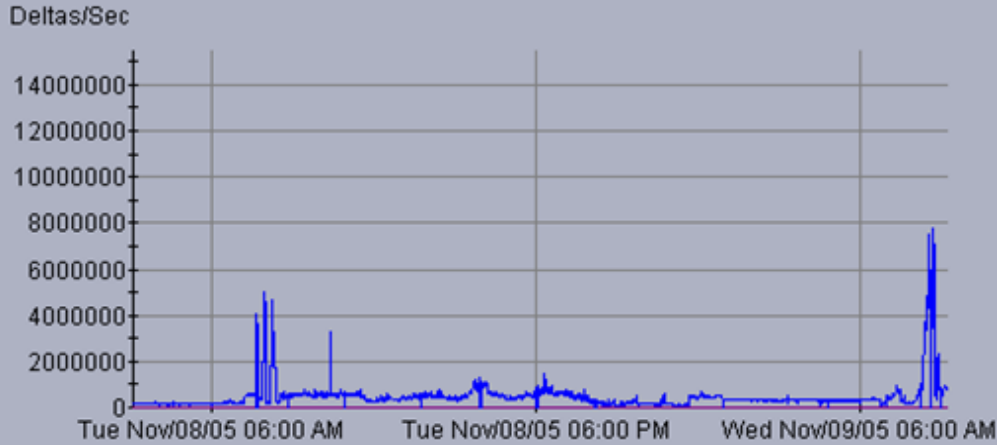


# Network Performance

- > Network designed to maximize throughput by minimizing the number of user associations per AP
- > High levels of RF noise observed Monday morning affecting 802.11b
- > Immediate actions taken
  - Reduced AP power levels to -10dbm
  - Decommissioned some APs to reduce channel overlaps
  - Asked the Hotel to disconnect their APs near to the ballrooms
  - Asked people to stop using ad hoc mode



209.52.156.2 Activity Slot-Port 2-30  
November 08 2005

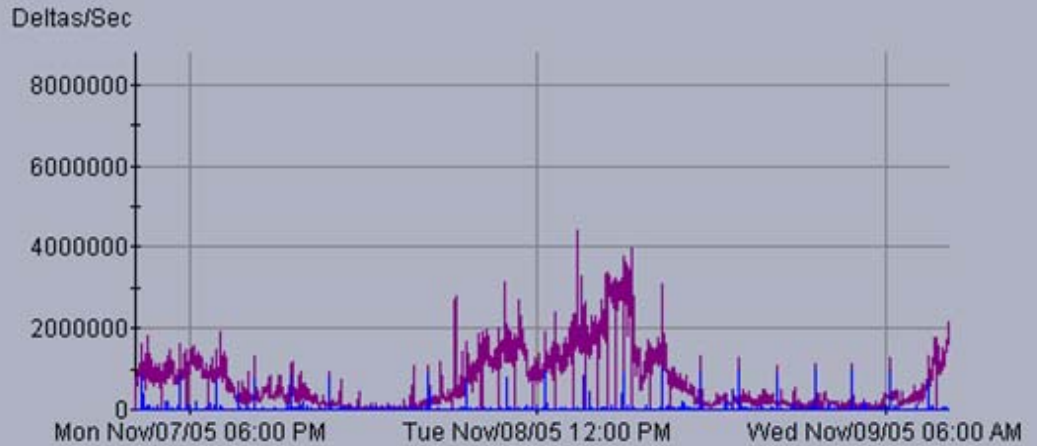


IPv4  
Peak Upload 63 Mb/s

IPv4  
Peak Download 35 Mb/s



209.52.156.2 Activity Slot-Port 3-1  
November 07 2005

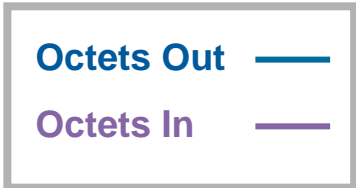
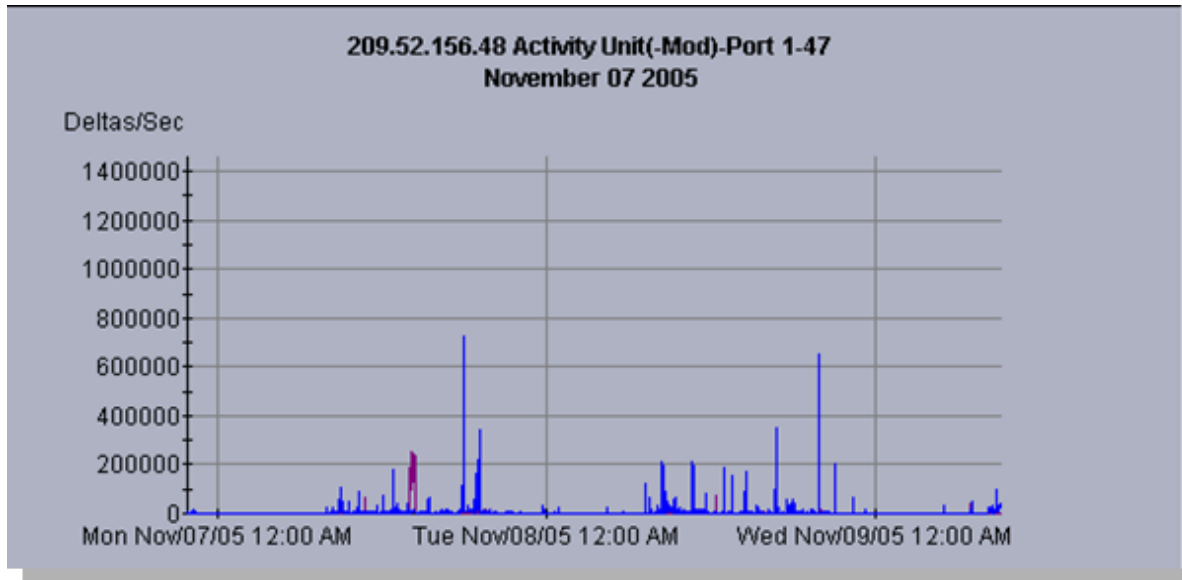




# IPv6

Peak Download 6.03 Mb/s

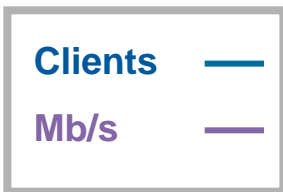
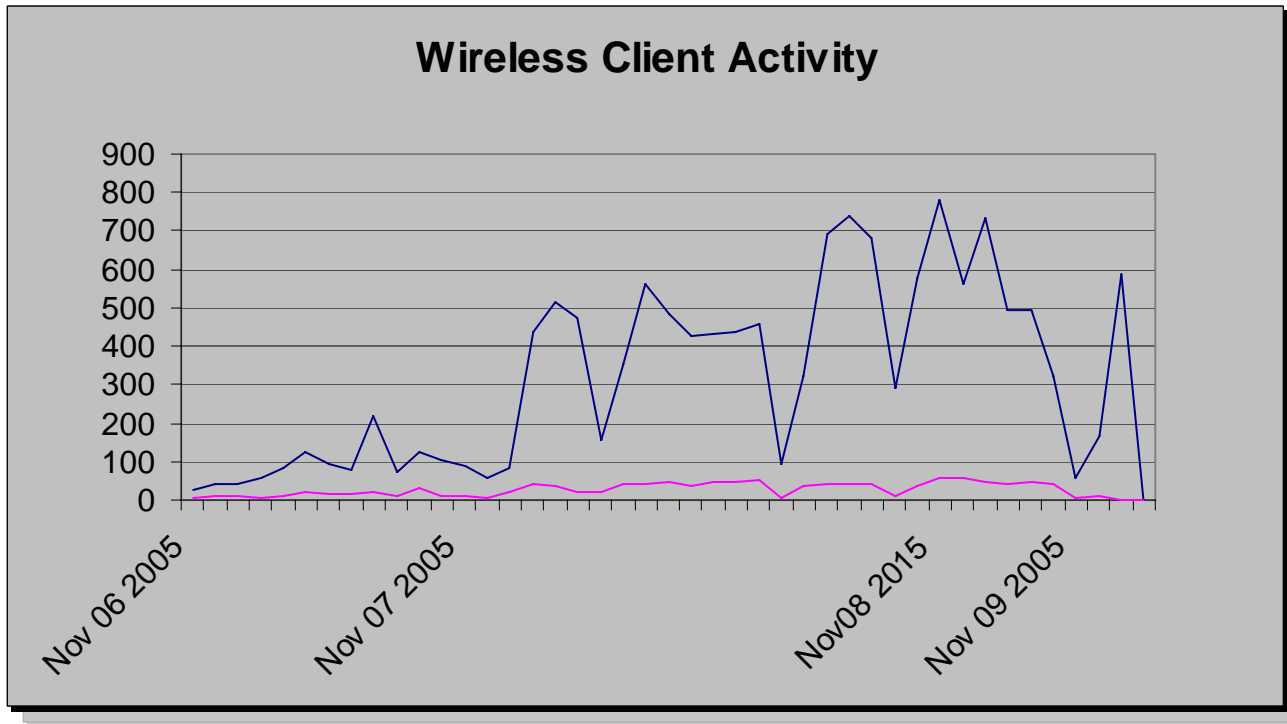
Peak Upload 2.09 Mb/s



# Wireless

Peak Throughput = 58.95 Mb/s

Peak Client = 780



# Thank You

## >Co-Sponsors



## >Advisors

- Al Veza, Marcia Beaulieu, Amy, Rebecca
- Jim Martin, Chris Elliott, Karen O'donogue

## >NOC Team

- Gord Moore, Chris Graham, Tim Proulx, Jack Emery, Nick Nikjoo, Phil Quinless, Raj Shanhbag ... many more

## >Hosting Team

- Jim MacFie, Denise Dziubaniuk, Susan Vanin, Glenn Parsons ... many more