IETF 86 – Orlando – LMAP

Large-Scale Broadband Measurement Use Cases

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LMAP Use Cases

- Use Cases
  - Internet Service Provider (ISP)
  - End User Network Diagnostics
  - Multi-provider Network Measurements
  - Over the Top Providers
  - Regulators

ISP Use Case

- Coming soon to a screen near you!
- Philip will discuss in next presentation

End User Use Case

- Adhoc, on-demand testing
- Can be scheduled
- Work with 3rd party Measurement Controller, or end-user supplied infrastructure
- The Measurement Agent will most likely be an application residing on a PC, tablet, etc.
- A system administrator can perform testing on behalf of the end-user

3rd Party Use Case

- Includes:
  - Multi-provider
  - Over The Top
  - Regulator

3rd Party Use Case

- Attributes of the 3rd Party Use Case
  - Only testing L3 and up
    - Interested in consumer QOE
    - Interested in BB performance
    - Management Agent can reside in various devices in the network
      - Modem, Home gateway, Set Top Box, Application
  - Results data may be shared amongst multiple interested parties
  - Test Data must meet a high level of verifiability, accuracy and fairness
    - To support valid and meaningful comparisons of broadband performance

Security & Privacy

- Current TBD
- Some discussion on the list, but will be working on for next spin.
- Contributions welcome.

Questions?