Measurement to inform policy: who should do it?

Interconnection, privacy, and broadband performance

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Consumer broadband performance: questions

- **Policy question:**
  - what performance do consumers obtain using BIAS?

- **Networking questions:**
  - what QoS do consumers obtain using fixed BIAS?
  - using mobile BIAS?
  - what QoE do consumers obtain?
Consumer broadband performance: who should measure?

- Commercial speed test providers?
  - volume
  - vantage point
  - paid by ISPs

- Researchers?
  - independent
  - volume
  - vantage point

- ISPs?
  - vantage point
  - not independent

- FCC?
  - independent
  - vantage point
  - requires cooperation of ISPs and content/transit providers

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Interconnection: questions

- Policy question:
  - how should a regulatory body determine whether interconnection agreements are reasonable?

- Networking questions:
  - what are the routes (including IXPs) for both indirect and direct interconnection between content providers and BIAS providers?
  - what is the QoS associated with each route?
Interconnection: who should measure?

- Content/transit providers?
  - vantage point (for QoS)
  - not independent

- Content/transit providers + ISPs?
  - vantage point (for IXP)
  - requires cooperation

- Researchers?
  - independent
  - vantage point

- FCC?
  - independent
  - vantage points
  - requires cooperation of ISPs and content/transit providers
Privacy: questions

- **Policy questions:**
  - what personal information is collected by various types of entities
  - how is it used?
  - with whom it is shared and for what purposes?

- **Networking questions:**
  - what personal information is collected?
  - is it collected by first and/or third parties?
  - with whom is it shared?
Privacy: who should measure?

- App or service providers?
  - vantage point
  - purpose
  - constraints for shared personal information
  - not independent

- Researchers?
  - independent
  - vantage point
  - purpose
  - constraints for shared personal information

- FTC?
  - independent
  - purpose
  - not scalable?