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Next Generation Access Networks (NGAN): New challenges for IS measurement

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Topics

- Definition
- Subscriptions
- Household and business indicators
- Other indicators
  - VoIP lines
  - Prices
  - Quality of Service
  - Revenue
Next Generation Access Networks

- IP broadband infrastructures
- covers both the fixed (wired), wireless and mobile infrastructures
- can be used with the term “broadband” interchangeably
  - higher capacity networks
  - always ‘on’ provision model
  - the flat rate business model

Source: ICT Regulation Toolkit

- For measurement purposes: broadband is \( \geq 256 \) kbit/s downstream speeds
INDICATORS

Fixed (wired) broadband subscriptions

- By technology
  - DSL
  - Cable
  - Fibre-to-the-home/building
  - Fibre-to-the-node/cabinet

- By speed
  - 256 kbps to <2 Mbps
  - 2 Mbps to <10 Mbps
  - Above 10 Mbps
Wireless broadband subscriptions

- Total wireless broadband subscriptions
  - Satellite subscriptions
  - Terrestrial fixed wireless subscriptions
  - Terrestrial mobile wireless subscriptions
    - Standard mobile subscriptions with use of data communications at broadband speeds
    - Dedicated mobile data subscriptions
Household and business ICT indicators

- Proportion of households with access to the Internet by type of access:
  - Narrowband
  - Fixed broadband
  - Wireless (mobile) broadband

- Proportion of businesses using the Internet by type of access:
  - Narrowband
  - Fixed broadband
  - Wireless (mobile) broadband
Other indicators

- **VoIP subscriptions (its share/contribution to fixed telephone lines)**
- **Prices**
  - Fixed (wired) broadband (bundled)
  - Wireless broadband
- **Quality of service indicators**
  - Fixed telephone lines
  - Wireless broadband
  - Fixed (wired) broadband
- **Revenue**
  - Wireless broadband
  - Fixed (wired) broadband
ITU Expert Group on Telecommunication/ICT Indicators

- Online discussion – May 2009 to March 2010
- Meeting - Geneva, 29-31 March 2010
- Discussed indicators including NGAN indicators
- New Indicators (Prices, QoS, FTTx subscriptions)
  - for discussion in EGTI online forum
- World Telecommunication/ICT indicators meeting – Geneva, November 2010
For further information

indicators[at]itu.int

www.itu.int/ict