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TITLE: Data quality assessment framework for ICT Statistics



Committed to Connecting the World Helping the world communicate



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Indicators Symposium**
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**Data quality assessment
framework for
ICT Statistics**

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Background

- Mandate to collect telecommunication/ICT statistics
- Data are collected regularly using online questionnaires
- Telecom access indicators (subscriptions); ICT households statistics
- Collected from regulators/ministries; national statistics offices
- Annual data referring to previous year
- Validation of the data is included in the online questionnaires
- Micro/Macro edits performed
- Tracking and metadata of data points included in the database
- Verification with data providers
- Notes explaining deviations



Methodology

■ Manuals

- ITU Manual on ICT Household Statistics
- ITU Handbook of Telecommunication/ICT Indicators

■ Expert Groups

- Expert Group on Telecommunication/ICT indicators
- Expert Group on ICT Household statistics



Dissemination

■ WTI database

- 2 updates per year
- Latest release: December 2013

■ Online

- ICT Eye
- ITU Statistics website

■ Requests from data users

■ Analytical reports

- Measuring the Information Society 2013

■ Yearbook of Statistics

- Latest release: December 2013



But is this enough?

- Are the indicators we produce relevant and timely?
- Are they made available to whoever needs them?
- Are they documented enough to be understood by data users?



Data quality assessment framework is important

Because:

- Estimations and imputations of missing data
- Different country sources
- Diversity in scope (telecom market and population)
- Important both at national and international level



Future

- Data quality assessment framework for ICT statistics (national and international)
- Implementing the assessment framework
 - Documenting processes
- Addressing issues found during assessment



Thank you!

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