How to establish an ICT Indicator database in Indonesia
29 October – 2 November 2007
Jakarta, Indonesia

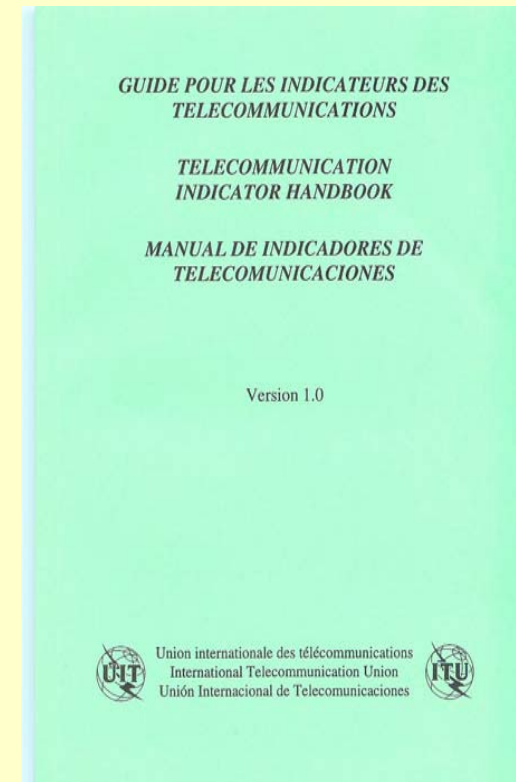# ITU Telecommunication/ICT Indicators

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Background

- ITU Constitution, Article 1, Provision 18: Collect and publish information concerning telecommunication matters

- ITU published *Yearbook of Statistics* based on *Telecommunication Indicator Handbook*

- Updated last 2006 World Telecommunication Indicators Meeting in light of latest developments

- To be reviewed during WTI meeting in December 2007

- Available online

http://www.itu.int/ITU-D/ict/material/IndDef_e_v2007.doc

GUIDE POUR LES INDICATEURS DES TELECOMMUNICATIONS

TELECOMMUNICATION INDICATOR HANDBOOK

MANUAL DE INDICADORES DE TELECOMUNICACIONES

Version 1.0

Union internationale des télécommunications
International Telecommunication Union
Unión Internacional de Telecomunicaciones

Guidelines

- International comparability: Trade-off between wish list (everything!) and most important and most likely to collect from most countries

- Telecom sector mandate: Subscriber, usage and revenue statistics

- Audience: Analysts, governments

See:

Document 1:
DEFINITIONS OF WORLD TELECOMMUNICATION/ICT INDICATORS
Final Version (April 2007)

Summary

Indicator	Number
Fixed telephone network	7
Mobile cellular network	7
Internet	18
Quality of service	3
Traffic (fixed, mobile)	21
Tariffs (fixed, mobile, internet)	19
Staff	6
Revenue	8
Investment	4
Community access indicators	9
Other indicators	7
TOTAL	**109**

Telephone network

ITU code	Indicator
112	Main (fixed) telephone lines in operation
117	Total capacity of local public switching exchanges
1142	Percent of main (fixed) lines connected to digital exchanges
116	Percent of main (fixed) lines which are residential
1162	Percent of main (fixed) lines in urban areas
1163	Number of localities with telephone service
1112	Public payphones

Mobile cellular indicators

ITU code	Indicator
271	Mobile cellular telephone subscribers (post-paid + prepaid)
271p	Mobile cellular subscribers: prepaid subscribers
2712	Digital mobile cellular subscribers
271L	Total number of subscribers to low and medium speed access to data communications
271mb	Number of cellular mobile subscribers with access to data communications at broadband speeds
271land	Percent coverage of mobile cellular network (land area)
271pop	Percent coverage of mobile cellular network (population)

Internet

ITU code	Indicator
4213	Total (fixed) Internet subscribers
4213d	Dial-up Internet subscribers
4213tfb	Total fixed broadband Internet subscribers
4213cab	Cable modem Internet subscribers
4213dsl	DSL Internet subscribers
4213ob	Other fixed broadband Internet subscribers
4213l	Leased line Internet subscribers
4212	Estimated Internet users
4212f	Percent female Internet users
4212f%f	Female Internet users as percent of female population

Internet (cont..)

ITU code	Indicator
424	PWLAN locations
28	ISDN subscribers
281	Basic rate ISDN subscribers
282	Primary rate ISDN subscribers
28c	ISDN voice channel equivalents
4214	Total International Internet bandwidth (Mbit/s)
4214og	International Internet bandwidth (Mbit/s) - Outgoing
4214ic	International Internet bandwidth (Mbit/s) - Incoming

Quality of Service

ITU code	Indicator
123	Waiting list for main (fixed) lines
143	Faults per 100 main (fixed) lines per year
141	Percent of telephone faults cleared by next working day

Traffic (minutes)

ITU code	Indicator
1311m	Local fixed telephone traffic (minutes)
1312m	National (fixed) trunk telephone traffic (minutes)
1313wm	National outgoing fixed to mobile traffic (minutes)
1311im	Internet Dial-up traffic (minutes)
132mb	International incoming and outgoing fixed telephone traffic (minutes)
132m	International outgoing fixed telephone traffic (minutes)
132mi	International incoming fixed telephone traffic (minutes)
132tb	International incoming and outgoing total telephone traffic (minutes)
132t	International outgoing total telephone traffic (minutes)
132ti	International incoming total telephone traffic (minutes)

Traffic - Mobile cellular indicators

ITU code	Indicator
133wm	Outgoing national mobile minutes
1331wm	Outgoing/originating mobile minutes to same mobile network
1332wm	Outgoing/originating mobile minutes to other mobile networks
1332wmf	Outgoing mobile minutes to fixed networks
1333wm	Outgoing/originating mobile minutes to international
1335wm	Incoming international minutes to mobile network
1334wm	Roaming minutes (outside home network)
1336wm	Roaming minutes by foreign subscribers
133sms	SMS sent
133mms	MMS sent
133rm	Number of countries with which there is a roaming agreement.

Fixed telephone tariffs

ITU code	Indicator
151	Installation fee for residential telephone service
152	Monthly subscription for residential telephone service
153	Price of a 3-minute fixed telephone local call (peak rate)
153o	Price of a 3-minute fixed telephone local call (off-peak rate)
151b	Installation fee for business telephone service
152b	Monthly subscription for business telephone service

Mobile cellular tariffs

ITU code	Indicator
151c	Mobile cellular connection charge
151pcard	Mobile cellular - cheapest recharge card value
152c	Mobile cellular monthly subscription
153c	Mobile cellular - price of 3 minute local call (peak)
153co	Mobile cellular - price of 3 minute local call (off-peak)
153sms	Mobile cellular - price of SMS

Internet tariffs

ITU code	Indicator
4213c	Dial-up Internet connection charge
4213s	Dial-up Internet monthly subscription
4213p	Dial-up Internet - price of per minute (peak) connection
4213po	Dial-up Internet - price of per minute (off-peak) connection
4213_t20	Internet access tariff (20 hours per month)
4213bc	Broadband Internet connection charge
4213bs	Broadband Internet monthly subscription

Staff

ITU code	Indicator
51	Total full-time telecommunication staff
51f	Female telecommunication staff
51fp	Female professional telecommunication staff
51w	Mobile telecommunication staff
51wf	Female mobile telecommunication staff
51wfp	Female professional mobile telecommunication staff

Revenue

ITU code	Indicator
75	Total revenue from all telecommunication services
71	Revenue from fixed telephone service
711	Revenue from fixed telephone connection charges
712	Revenue from fixed telephone subscription charges
713	Revenue from fixed telephone calls
7131	Revenue from local calls
7132	Revenue from national long distance calls
7133	Revenue from international calls

Revenue (cont.)

ITU code	Indicator
741	Revenue from mobile communications
741d	Mobile data revenues
741m	Text and multimedia messaging revenues
731	Revenue from data services
7311	Revenue from Internet services
732	Revenue from leased lines
733	Revenue from fixed value-added telecommunication services
74	Other telecommunication revenues

Investment

ITU code	Indicator
81	Total annual investment in telecom
83	Fixed telephone service investment
841m	Mobile communication investment
841f	Foreign investment

Community Access Indicators ITU

ITU code	Indicator
PIAC5	Total number of public Internet access centres (PIAC)
PIAC6	Total number of Digital Community Centres (DCC)
PIAC7	Total number of other public Internet access centres (PIAC)
PIAC3	Number of localities with public Internet access centres (PIAC)
PIAC1	Percentage of localities with public Internet access centres (PIAC)
PIAC2	Percentage of the population with access to a public Internet access centre (PIAC)
PIAC4	Target population for DCC (Digital Community Centres) services
PIAC8	Total number of computers in Digital Community Centres (DCC)
PIAC9	Actual Digital Community Centre (DCC) usage percentage

Other Indicators

ITU code	Indicator
955	Number of radio sets
965	Number of TV sets
965m	Total number of multi-channel TV subscribers
965c	Number of terrestrial multi-channel TV subscribers
965s	Direct to Home satellite antenna subscribers
965cp	Homes passed by multi-channel TV
422	Number of Personal Computers

Thank you!
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