



Committed to Connecting the World



**ITU Regional Forum and Training Workshop on
Telecommunication/ICT Indicators: Measuring the
Information Society
and
ITU-ASEAN Meeting on Establishing National ICT Statistics
Portals and Measuring ASEAN ICT targets
Bangkok, 13-16 October 2014**

**ICT Price questionnaire
(indicators and guidelines)**

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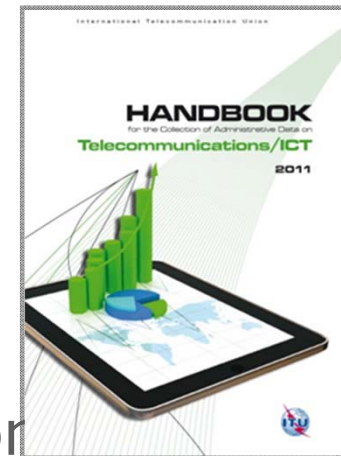
ITU data collection (telecom data)

(2013)	# indicators	Data collection	Data published
Short Questionnaire	5	3 March – 17 March	1 June
Long Questionnaire	~ 70	July-September	December
ICT Price Questionnaire	<i>4 prices:</i> - fixed telephone - mobile cellular - fixed broadband - mobile broadband	October (2 weeks)	Only in next year's MIS report and database

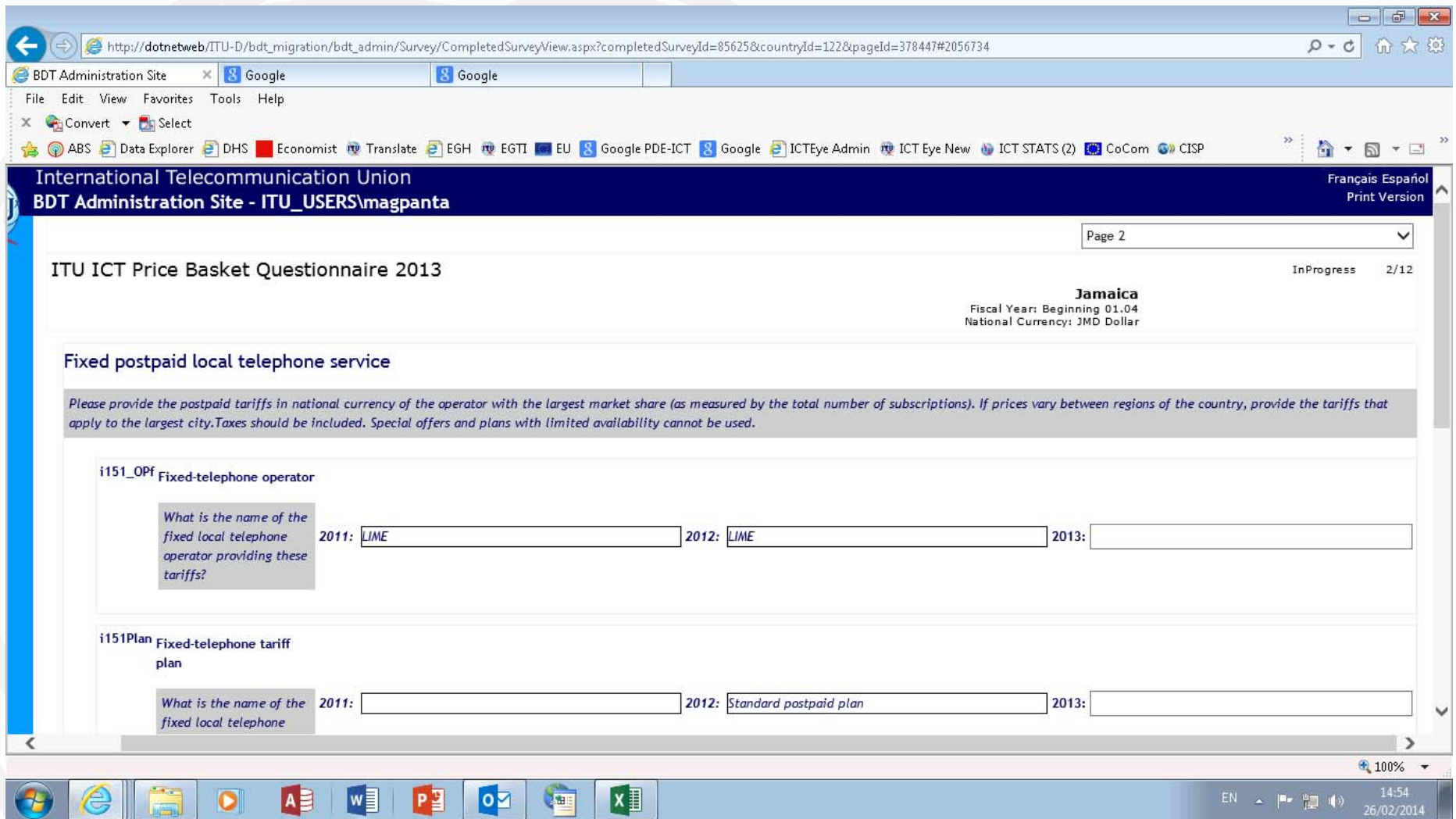
- **Collection is ongoing: Deadline: 15 October**
Sent to national ICT Ministries or regulators

ITU ICT Price questionnaire

- price data used in the calculation of the calculation of the IPB
 - fixed telephone
 - mobile cellular
 - fixed broadband
 - mobile broadband
- latest year data (October)
- 2 previous years included in the questionnaire for reference only



ICT Price questionnaire (online)



International Telecommunication Union
BDT Administration Site - ITU_USERS\magpanta

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ITU ICT Price Basket Questionnaire 2013

InProgress 2/12

Jamaica
Fiscal Year: Beginning 01.04
National Currency: JMD Dollar

Fixed postpaid local telephone service

Please provide the postpaid tariffs in national currency of the operator with the largest market share (as measured by the total number of subscriptions). If prices vary between regions of the country, provide the tariffs that apply to the largest city. Taxes should be included. Special offers and plans with limited availability cannot be used.

i151_OPf Fixed-telephone operator

What is the name of the fixed local telephone operator providing these tariffs?

2011: LIME 2012: LIME 2013:

i151Plan Fixed-telephone tariff plan

What is the name of the fixed local telephone

2011: 2012: Standard postpaid plan 2013:

Price data

- First data collection in 2010, after the EGTI meeting
- IPB first calculated and published in MIS 2009
- Data collected are included in the ITU World Telecommunication Indicators database

Information collected

- Name of the operator/ISP
- Name of price plan used
- Website/link of the plan
- Tax rate applied

Fixed telephone prices

- Installation fee for residential/business telephone service
- Monthly subscription for residential/business telephone service
- Price of a three-minute local call to a fixed-telephone line, peak rate
- Price of a three-minute local call to a fixed-telephone line, off-peak rate

Fixed telephone

Grenada_residential.pdf - Adobe Reader

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WORLDPAK

WORLDPAK PLAN PRICING

	Monthly Fee
1000 International Minutes - Call any number in the USA, Canada, China, US Virgin Islands, Puerto Rico or UK landlines.	\$34.50

Plans

LANDLINE PLANS

PLAN PRICING

	Monthly Fee
Residential Telephone Line Rental - Option A Unlimited Calling Plan	\$62.10
Residential Telephone Line Rental - Option B	\$30.36
Cheap Chat - Residential	\$31.74
Package of Smart Choice Calling Features -includes: Call Waiting, Conference Calling, Voicemail, Call Forwarding & Caller ID	\$14.95

ALL PRICES ARE IN EASTERN CARIBBEAN (EC) DOLLARS AND VAT INCLUSIVE.

PRICES FOR CALLS FROM RESIDENTIAL LANDLINES

Time Of Day	To LIME Landline	To Any Mobile	To Other Landline
Daytime	\$0.08	\$0.40	\$0.09
Evening	\$0.05	\$0.40	\$0.09
Weekend	\$0.05	\$0.40	\$0.09

ALL PRICES ARE IN EASTERN CARIBBEAN (EC) DOLLARS AND VAT INCLUSIVE. PRICE SHOWN IS FOR FIRST FULL MINUTE OR PART THEREOF.

Windows taskbar: 18:18 26/02/2014

Rules applied in collecting fixed-telephone prices (1)

1. Prices of the **largest** operator (in terms of fixed-telephone subscriptions)
2. Prices in **national currency**, including taxes.
3. Only **residential**, single user prices should be collected.
4. If prices vary in regions, prices of largest city (in population) should be provided.

Fixed telephone – rules (2)

5. Cheapest postpaid plan on the basis of 30 local calls (15 peak and 15 off-peak) of three minutes each
6. Commitment period of 12-months (or the one closest to this commitment period)
7. Same price plan should be used for collecting all the (monthly subscription, peak and off-peak)

Fixed telephone – rules (3)

8. Prices for **regular** (non-promotional) plan and should not include promotional offers or limited or restricted discount
9. Local calls refer to those made on the same fixed network (on-net) within the same exchange area
10. Peak is the busiest time of the day, working hours of weekdays. If more than one peak prices, use the most expensive one during the daytime

Fixed telephone – rules (4)

11. If more than one off-peak prices, use the cheapest before midnight. If the only off-peak period is after midnight, then use the peak rate.
12. If no distinction is made between peak and off-peak prices, then the same price should be used for the peak and off-peak indicators
13. If plan includes a certain number of minutes, use the price advertised per additional minute to calculate the price of a three-minute local call

Fixed telephone – rules (5)

14. If prices are in 'units', calculate the price per three minutes. Add a note on price per unit and the number of minutes included in the unit.

Ex. For example, if the price is given per 'units' of two minutes, then the price for three minutes should be 2 times the price per 'unit'.

15. Bundled services - preferable to use prices for a specific service; otherwise, note the additional services.

Fixed-broadband prices

Fixed broadband prices

- Fixed (wired)-broadband connection charge
- Fixed (wired)-broadband monthly subscription charge
- Fixed (wired)-broadband speed, in Mbit/s
- Fixed (wired)-broadband cap, in GB
- Fixed (wired)-broadband - price of excess usage

Rules applied in collecting fixed-broadband Internet prices (1)

1. Prices of the **largest** operator (in terms of fixed-broadband subscriptions)
2. Prices in **national currency**, including taxes.
3. Only **residential**, single user prices should be collected.
4. If prices vary in regions, prices of largest city (in population) should be provided.

Fixed broadband prices (2)

5. Cheapest plan based on a **1GB monthly usage** and an advertised download speed of at least 256 kbit/s
6. 12-month plan (or the one closest to this commitment period)
7. Most subscriptions in the country (DSL, cable, etc.).
8. Same price plan for monthly subscription, to the price of the excess charge, the volume of data that can be downloaded, etc.

Fixed broadband prices (3)

9. Prices should be collected for regular (non-promotional) plan
10. Bundled services - preferable to use prices for a specific service; otherwise, note the additional services
11. Exclude cost of a fixed-telephone line, if it can be used for other services

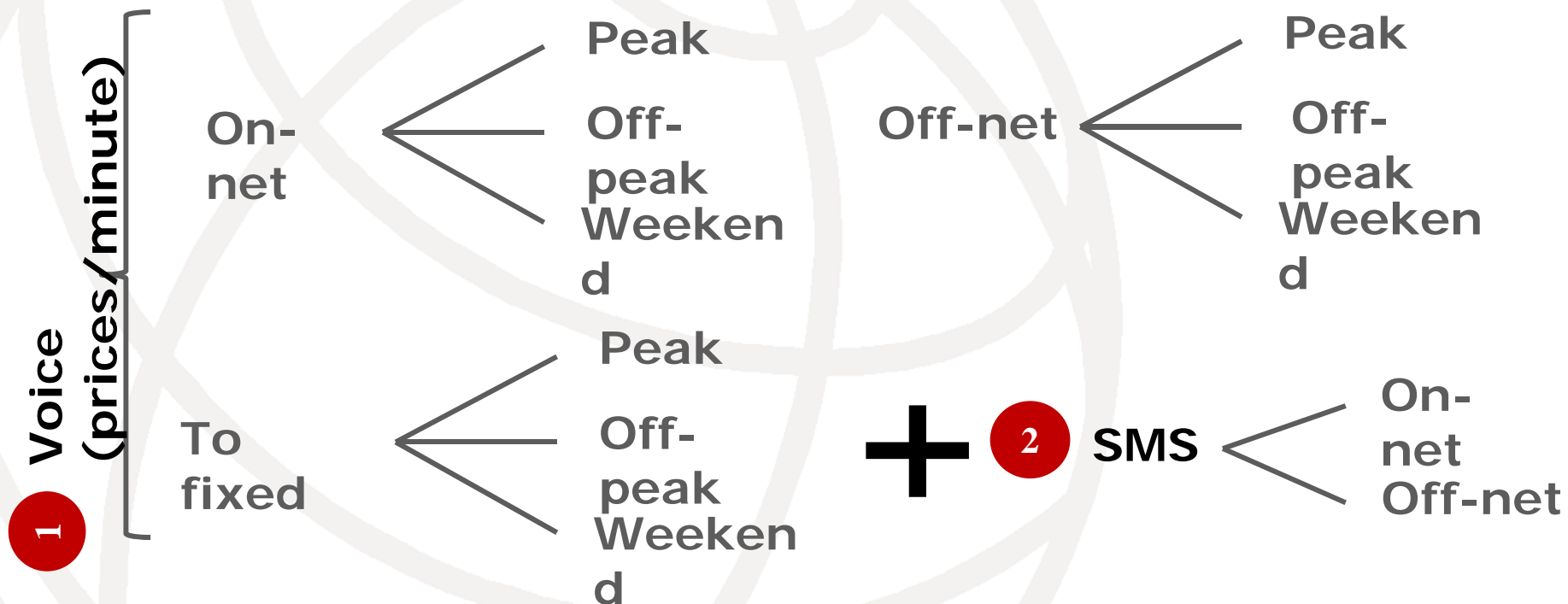
Provide a note – (1) monthly rental for the physical line is not required (e.g. naked DSL) (2) monthly rental of a fixed-telephone line is required



Mobile cellular prices

Mobile-cellular prices

- Same indicators & methodology since 2008



Mobile-cellular basket

	To fixed	On-net	Off-net	Total	Call distribution by time of day (%)
Call distribution (%)	17.0	56.0	26.0	100.0	100.0
Calls (number)	5.2	16.9	7.9	30.0	
Peak	2.4	7.8	3.6	13.8	46.0
Off-peak	1.5	4.9	2.3	8.7	29.0
Weekend	1.3	4.2	2.0	7.5	25.0
Duration (minutes per call)	2.0	1.6	1.7		
Duration (total minutes of calls)	10.4	27.0	13.4	50.9	N/A
Peak	4.8	12.4	6.2	23.4	46.0
Off-peak	3.0	7.8	3.9	14.8	29.0
Weekend	2.6	6.8	3.4	12.7	25.0

$$\begin{aligned}
 \text{Basket} = & 12.4 * \mathbf{Net}_{peak} + 7.8 * \mathbf{Net}_{off-peak} + 6.8 * \mathbf{Net}_{weekend} + \\
 & + 4.8 * \mathbf{Fixed}_{peak} + 3.0 * \mathbf{Fixed}_{off-peak} + 2.6 * \mathbf{Fixed}_{weekend} \\
 & + 6.2 * \mathbf{Off-Net}_{peak} + 3.9 * \mathbf{Off-Net}_{off-peak} + 3.4 * \mathbf{Off-Net}_{weekend} \\
 & + 50 * \mathbf{SMS}_{on-net} + 50 * \mathbf{SMS}_{off-net}
 \end{aligned}$$

Mobile-cellular indicators – rules (i)

1. **Operator with the largest market share** [...] If prices vary between different regions of the country, **prices refer to those applied in the largest city** [...]
2. Collected in national currency, **including taxes**
3. Prices refer to **prepaid plans** [...] the one that comes closest to the 30 calls and 100 SMS [...]
4. If per-minute prices are only advertised in internal units [...] the price of the [***cheapest & closest to 30 day validity***] top-up/refill charge is used

Mobile-cellular indicators – rules (ii)

5. regular **(non-promotional) plans** and exclude special or promotional offers, limited discounts
6. **“favourite”** numbers (for family, friends, etc.) with a special price [...] will not be taken into consideration
7. Prices refer to **outgoing local calls**
8. If prices vary between minutes (1st minute = price A, 2nd minute = price B, 3rd minute = price C) [...] price per minute = $(A+B+C)/3$

Mobile-cellular indicators – rules (iii)

10. If there is a **connection cost per call**, then this is taken into consideration based on 30 calls
11. [...] off-peak prices [...] cheapest before midnight is used
12. [...] peak prices, the most expensive one during the daytime is used
13. [...] weekend prices, the price that applies Sundays during the daytime is used

Mobile-cellular indicators – rules (iv)

14. If [...] **no weekend price, the average peak and off-peak** price valid during the week is used
15. If peak and off-peak SMS prices exist, the average of both is used
16. If calls are charged by call or by hour (and not by the minute) [...] formula will be calculated on the basis of 30 calls
17. Where monthly, recurring charges exist, they are added

Mobile-cellular prices – conclusions

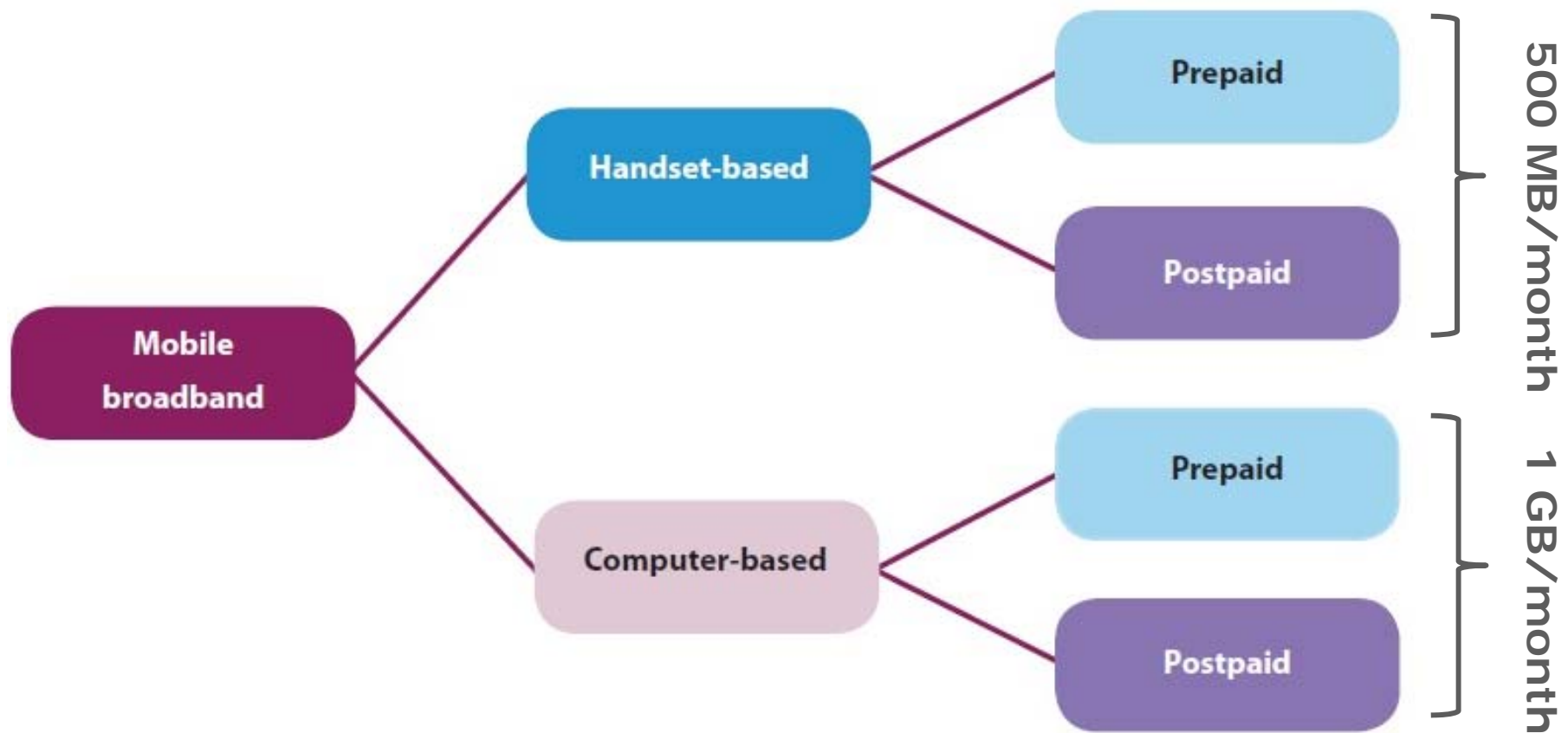
- Prices from **entry-level** plans
- Collected in national currency but presented in:
 - **US\$**
 - **PPP\$**
 - **% GNI per capita**
- Focus on measuring **affordability**
- Objective: to identify when prices are a barrier to adoption

**More price data probably
collected at national level**



Mobile-broadband prices

Mobile-broadband prices



Mobile-broadband indicators – rules (i)

1. technologies: **UMTS, HSPA family, LTE family, CDMA EV-DO family and mobile WiMAX.**
Prices applying to WiFi or hotspots excluded
2. Collected in national currency, **including taxes**
3. Residential, single-user prices [...] If prices vary between regions, prices applying to the largest city

Mobile-broadband indicators – rules (ii)

5. From the operator with **the largest number of mobile-broadband subscriptions**. If not available, from the mobile-cellular operator with the largest market share
6. Different operators can be chosen if:
 - a. different market leaders for specific segments (postpaid, prepaid, computer-based, handset-based)
 - b. there is no offer available for a specific service
8. Commitment period (postpaid): the closest to 12 months

Mobile-broadband indicators – rules (iii)

9. The selected plan should not be the one with the cap closest to 500 MB or 1 GB, but the cheapest for that monthly consumption

E.g. if an operator offers a 300 MB and an 800 MB plan, the cheapest taken: 800 MB plan or twice the 300 MB plan

10. Price data should be collected for a **validity period of 30 days**

11. Packages (including a certain data volume) or Pay-as-you-go offers

Mobile-broadband indicators – rules (iv)

12. Careful read of the fine print: ‘unlimited’ seldom so
13. **non-recurrent fees**, such as installation/set-up fees, **not considered**
14. Preference given to **packages that are not bundled**. If bundled, indicate in a note

Mobile-broadband indicators – rules (v)

15. **non-promotional plans** and exclude promotional offers and limited discounts or special user groups (e.g. existing clients)

excl. prices that apply to a certain type of device (iPhone/Blackberry, iPad)

excl. allowances during the night

Prepaid handset-based 500 MB

Price of the plan:

Price of the plan, in local currency, for a mobile-broadband handset-based prepaid tariff with 500 MB volume of data.

Cap in MB:

Maximum amount of Internet data (in megabytes, MB) that can be transferred within 30 days included in the mobile-broadband handset-based plan.

Price of excess usage, per MB:

Price per additional megabyte (MB) of Internet data downloaded beyond the cap on the mobile-broadband handset-based plan.

Validity of the plan in days:

Validity of the 500 MB prepaid plan, in number of days.

Postpaid handset-based 500 MB

Price of the plan:

Price of the plan, in local currency, for a mobile-broadband handset-based postpaid tariff with 500 MB volume of data.

Cap in MB:

Maximum amount of Internet data (in megabytes, MB) that can be transferred within 30 days included in the mobile-broadband handset-based plan.

Price of excess usage, per MB:

Price per additional megabyte (MB) of Internet data downloaded beyond the cap on the mobile-broadband handset-based plan.

Validity of the plan in days:

Validity of the 500 MB postpaid plan, in number of days.

Prepaid computer-based (USB/dongle) 1 GB

Price of the plan:

Price of the plan, in local currency, for a mobile-broadband computer-based prepaid tariff with 1 GB volume of data.

Cap in GB:

Maximum amount of Internet data (in gigabytes, GB) that can be transferred within 30 days included in the mobile-broadband computer-based.

Price of excess usage, per GB:

Price per additional gigabyte (GB) of Internet data downloaded beyond the cap on the mobile-broadband computer-based plan.

Validity of the plan in days:

Validity of the 1 GB prepaid plan, in number of days.

Postpaid computer-based (USB/dongle) 1 GB

Price of the plan:

Price of the plan, in local currency, for a mobile-broadband computer-based postpaid tariff with 1 GB volume of data.

Cap in GB:

Maximum amount of Internet data (in gigabytes, GB) that can be transferred within 30 days included in the mobile-broadband computer-based plan.

Price of excess usage, per GB:

Price per additional gigabyte (GB) of Internet data downloaded beyond the cap on the mobile-broadband computer-based plan.

Validity of the plan in days:

Validity of the 1 GB postpaid plan, in number of days.

THANK YOU

More information

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