



وزارة المواصلات والاتصالات
Ministry of Transportation
and Telecommunications

ITU Regional Workshop on ICT Statistics



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ICT prices

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ITU price data collection

- Price data collected (in advertised currency) for:
 - Fixed telephone
 - Mobile cellular (voice and SMS)
 - Fixed broadband
 - Mobile broadband (data) – **full data collection since 2012**
- Prices for each service are combined into a basket
- Monthly prices for each basket are presented in:
 - US\$
 - PPP\$
 - As a % pf GNI p.c.

Why a price basket approach?

- “Average revenue per minute/SMS/MB” not meaningful for international benchmarks:
 - With bundling, impossible to separate revenues per source
 - Each country different usage patterns
 - ⇒ Comparing apples and oranges

USD 10	?	USD 15
100 SMS		80 SMS
50 calls		Unl. calls
500 MB		400 MB

- Price basket approach
 - Ensures that the same services are compared across countries
 - Results are sensitive to the composition of the baskets

Revision of the mobile baskets

		Voice (mins/month)	SMS (SMS/month)	Data (GB/month)	ITU Regions represented		
Group 1	Low income	Data points	13	16	2	Africa, Asia Pacific*	
		Mean	81	22	0.26		
		Median	56	12	0.26		
Group 2	Lower middle income	Data points	27	18	16	Africa, Asia Pacific, Arab States, the Americas, CIS	
			Mean	156	68		1.7
			Median	125	20		0.5
Group 2	Upper middle income	Data points	29	26	19	Africa, Asia Pacific, Arab States, the Americas, CIS, Europe	
			Mean	159	56		1.27
			Median	147	47		0.9
Group 2	High income	Data points	40	36	29	Africa, Asia Pacific, Arab States, the Americas, CIS, Europe	
			Mean	157	95		2.1
			Median	139	49		1.9

* No data for Comoros, Somalia & Haiti – the only economies from the Arab States and the Americas in this group



Mobile Cellular – revised baskets

Previous sub-basket

Mobile cellular

Voice + SMS

Approx. 50 min + 100 SMS
(based on OECD 2010)

New sub-baskets

Mobile cellular

Voice + SMS + Data

Low consumption

70 min + 20 SMS + 500 MB
(3G and above)

High consumption

140 min + 70 SMS + 1.5 GB
(3G and above)



Report data based on the most common contract type per country

	Previous ITU Basket	Revision	Rationale
Type of subscription	<p>Prepaid</p> <p>Exception: Postpaid if prepaid subscription base < 2% (e.g. Japan)</p>	<p>Prepaid if prepaid subscription base > 50%;</p> <p>Postpaid if postpaid subscription base > 50%</p> <p>Exception: If no data are available on subscriptions, select prepaid by default</p>	<p>Countries ought to report on the type of service that represents the majority in their respective markets.</p> <p>Prepaid is the predominant contract type worldwide (default selected if data are not available)</p>

From one to two consumption baskets

	Current ITU Basket	Proposed revision	Rationale
Voice	30 calls equating to approximately 50.9 mins	Low consumption basket: 70 mins High consumption basket: 140 mins	The disparity in consumption patterns across countries was evident.
SMS	100 SMS	Low consumption basket: 20 SMS High consumption basket: 70 SMS	With the availability of data, the natural trend from the evidence is a decline in SMS use.

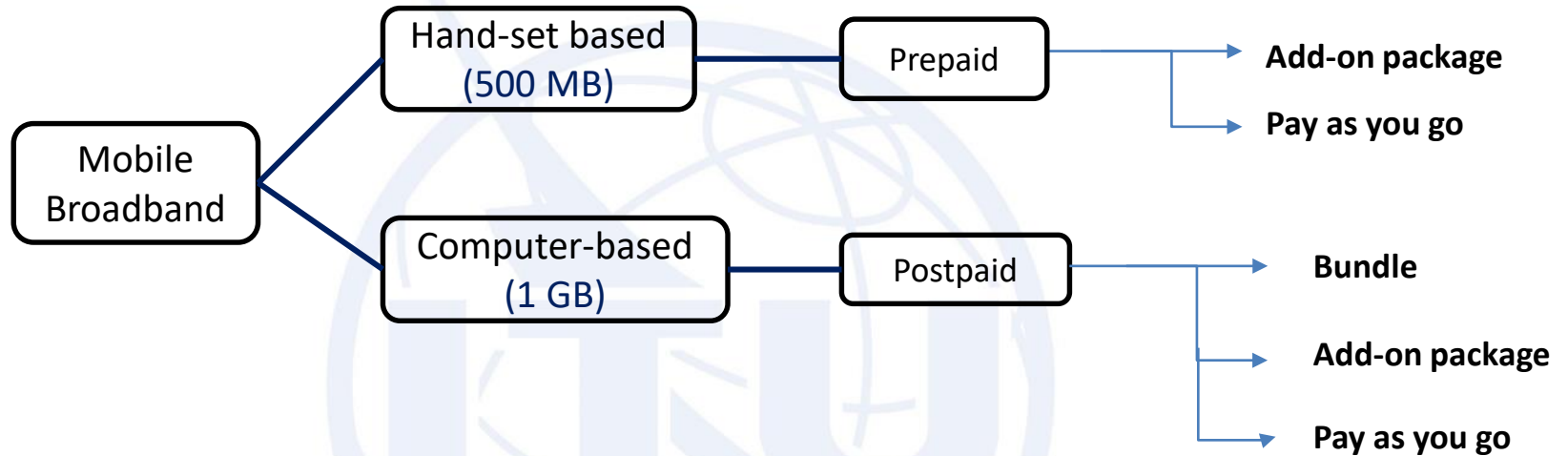
- A bundled offer may be selected if least-cost criteria is met.
- If bundles are selected the *minimum* consumption as above must be included.

Data added to voice and SMS

	Current ITU Basket	Proposed revision	Rationale
Data	N/A	<p>The least expensive data add-on with the following data caps at <i>minimum</i>:</p> <p>Low consumption basket: 500 MB</p> <p>High consumption basket: 1.5 GB</p> <p>Note: Access is to the open public Internet. Any zero-rated plans or those with geographic limitations must not be selected, even if cheaper.</p>	<p>As per the evidence gathered on data consumption it is recommended that data is included in the sub-basket. However, unlike voice and SMS it is a service that has a steep upward trend. As such the consumption baskets need to be revised periodically.</p>

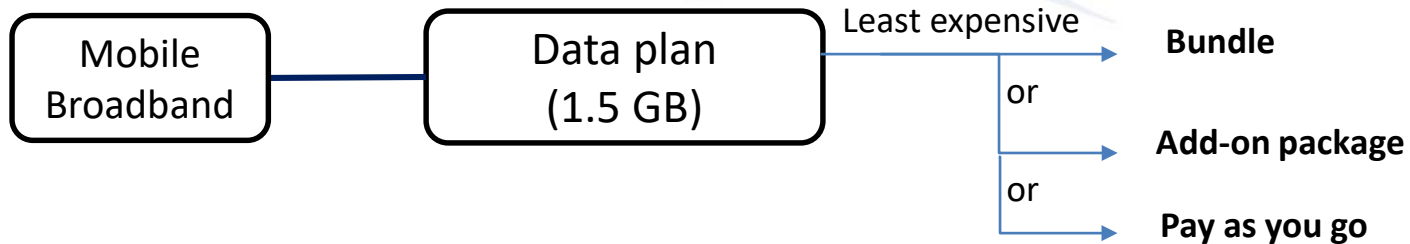
Mobile broadband: from two to one basket

Previous sub-basket



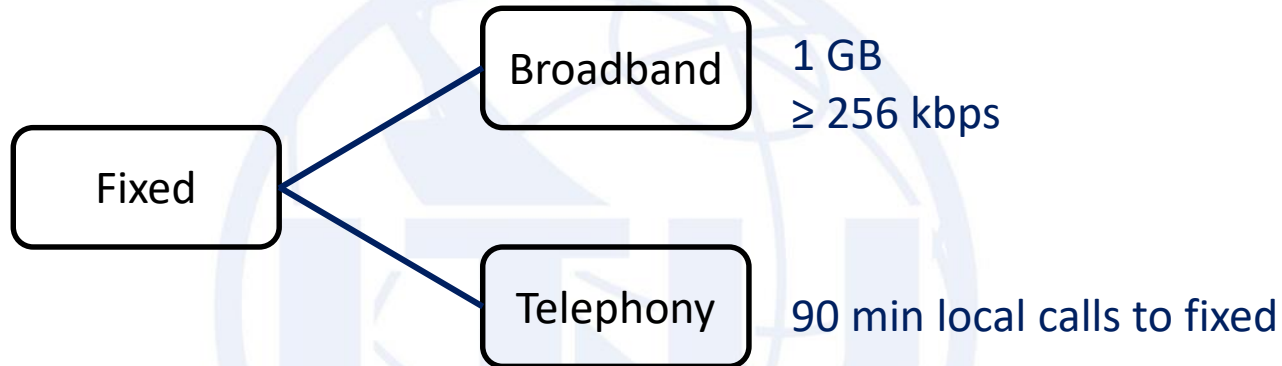
Source: ITU

New sub-basket



Fixed broadband as a standalone basket but with increased data cap

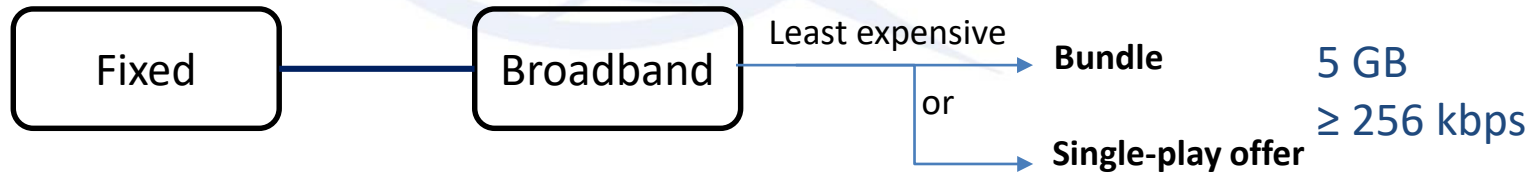
Previous sub-basket



Collected but not reported.

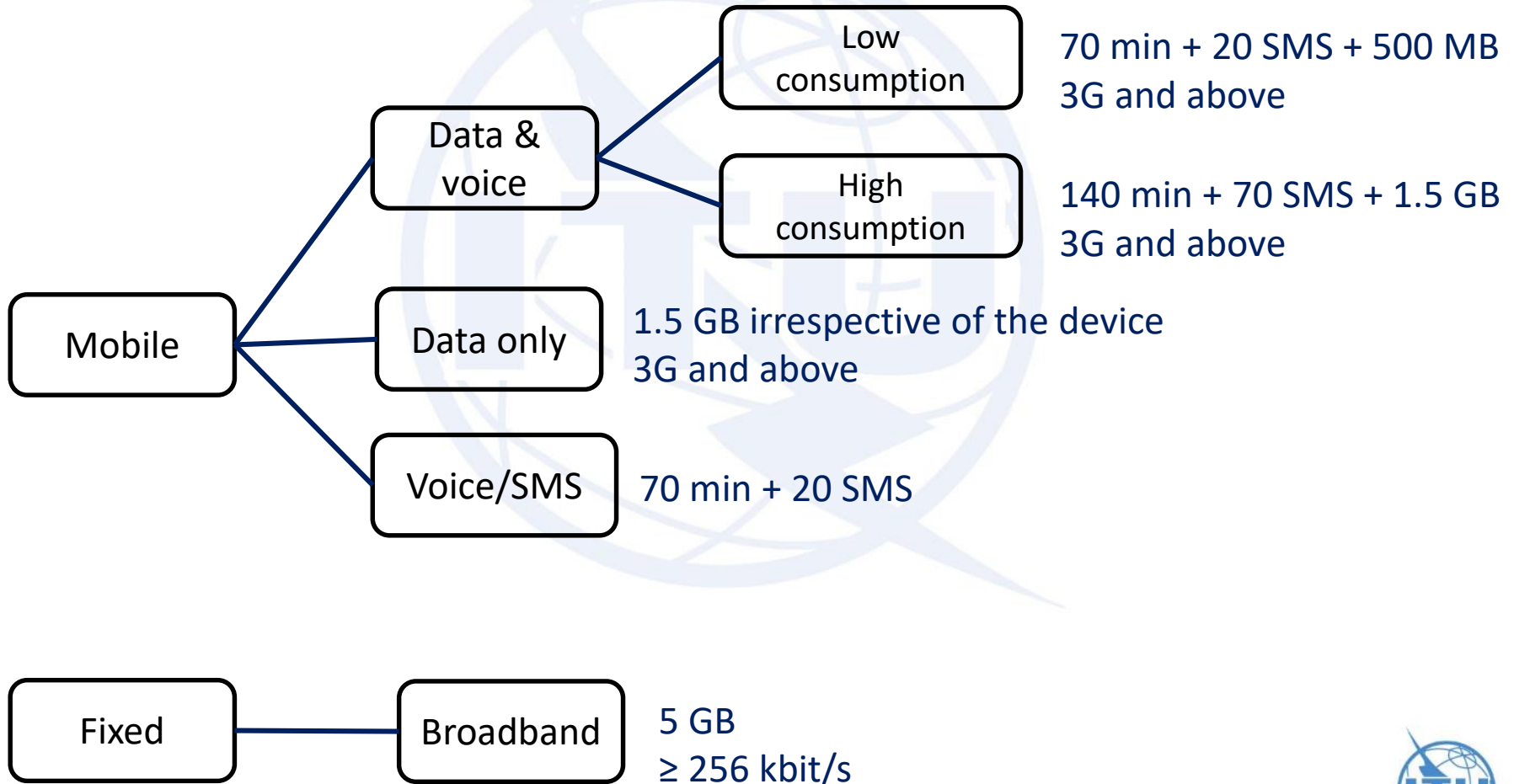
Is there value in continuing with this sub-basket?

New sub-basket

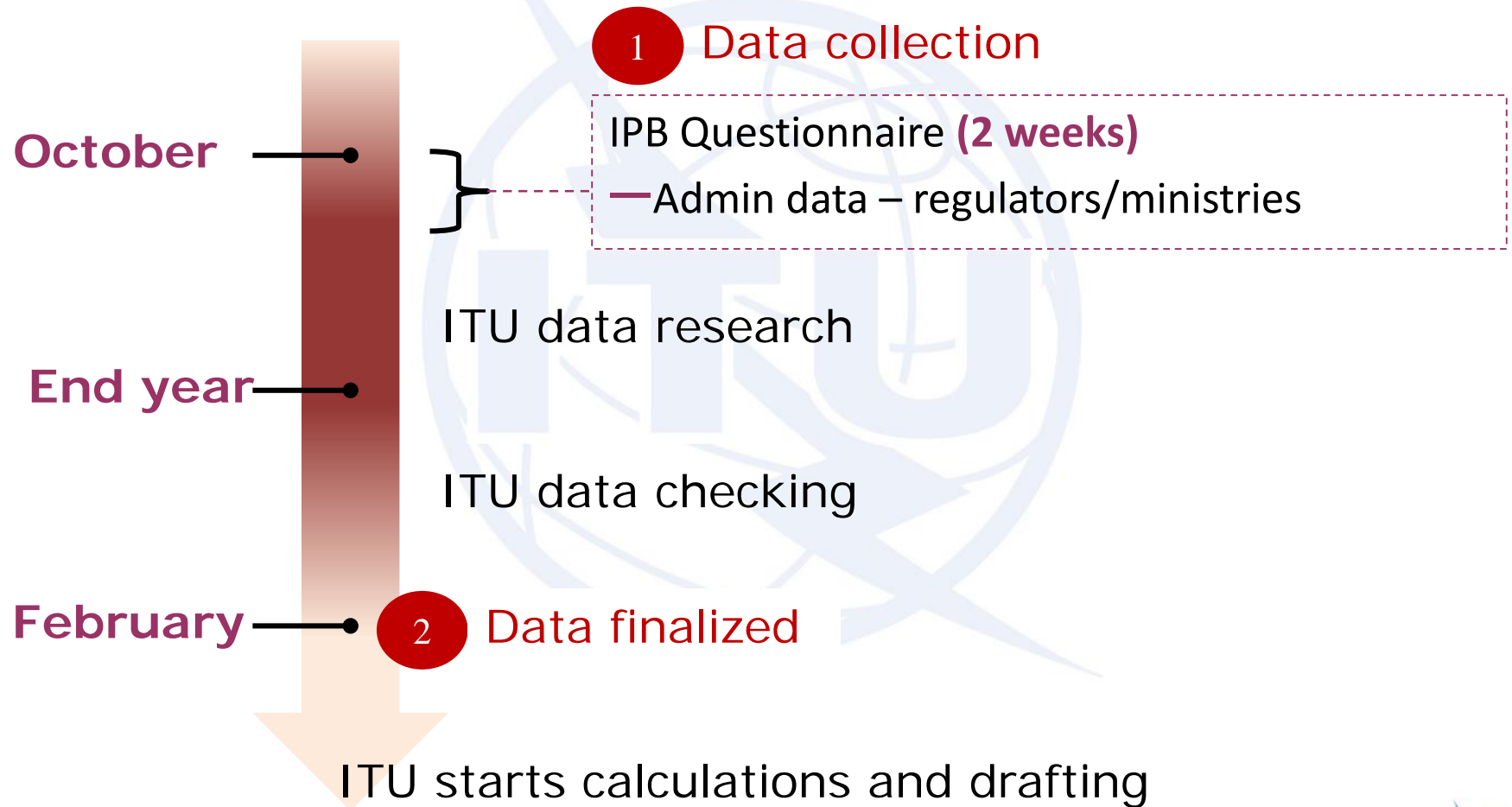


Summary: new price baskets

From October 2018

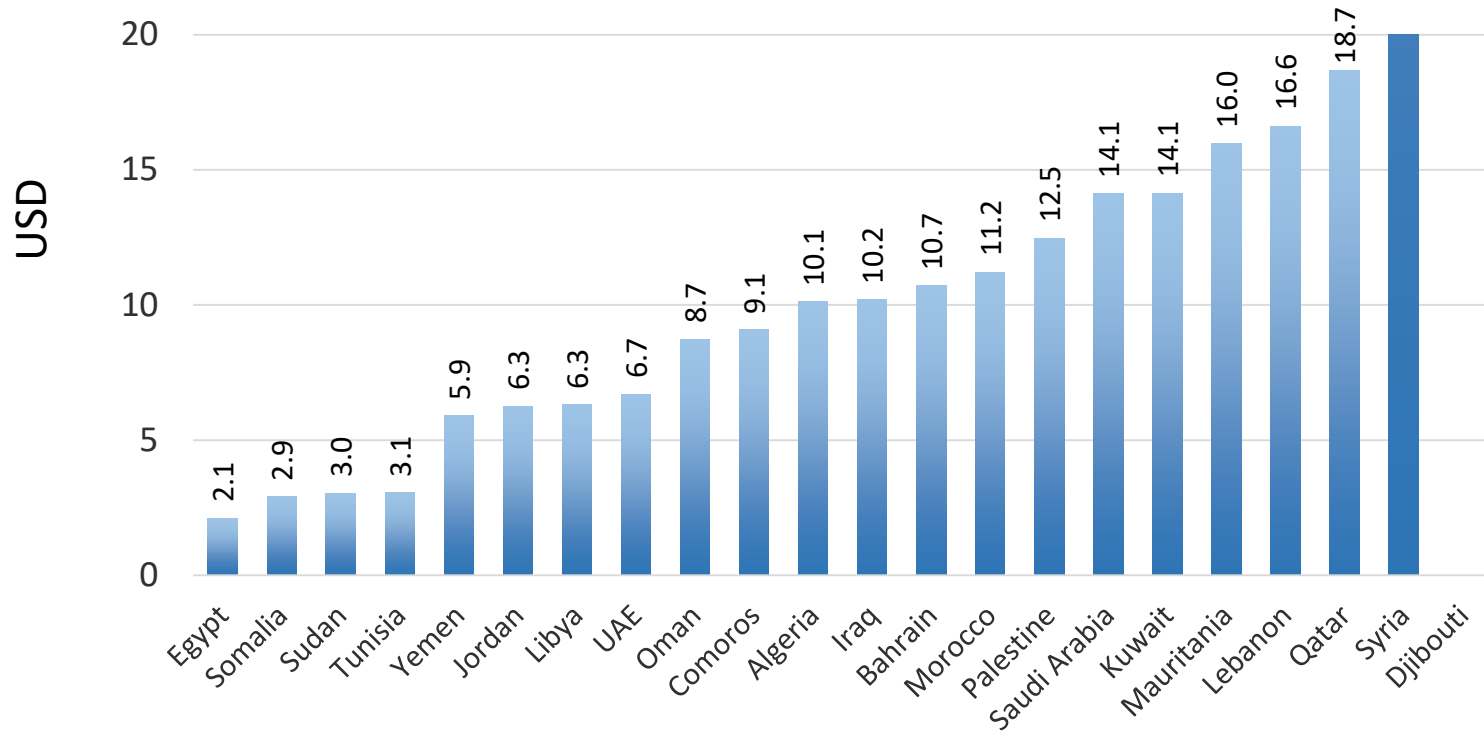


IPB data collection



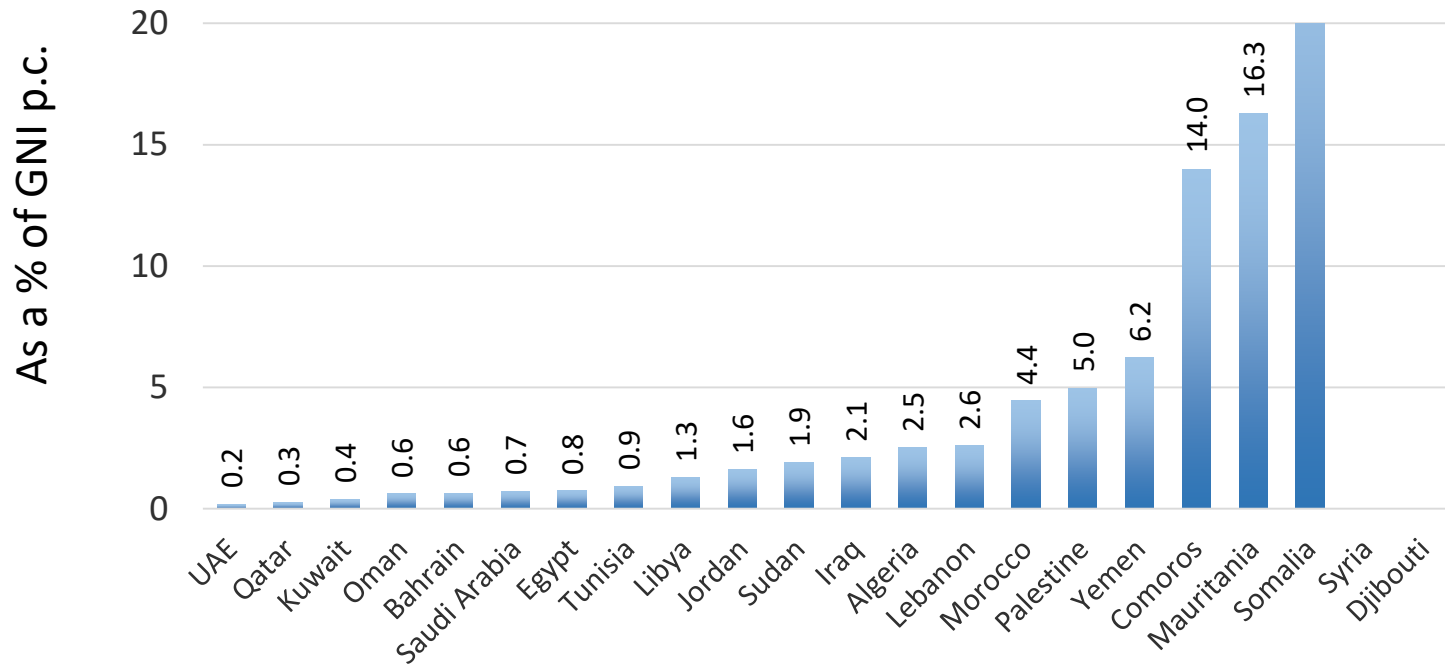
Mobile-cellular prices

Prepaid mobile-cellular prices, end 2016



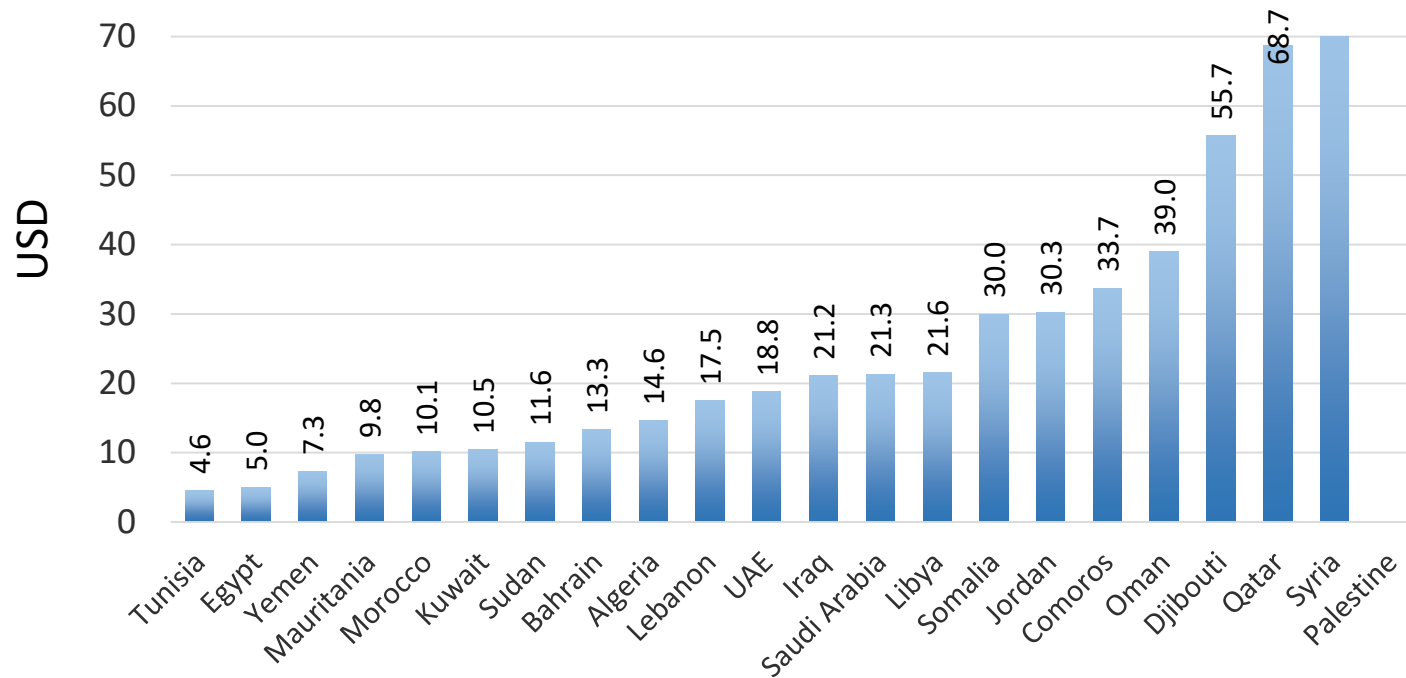
Mobile-cellular prices

Prepaid mobile-cellular prices, end 2016



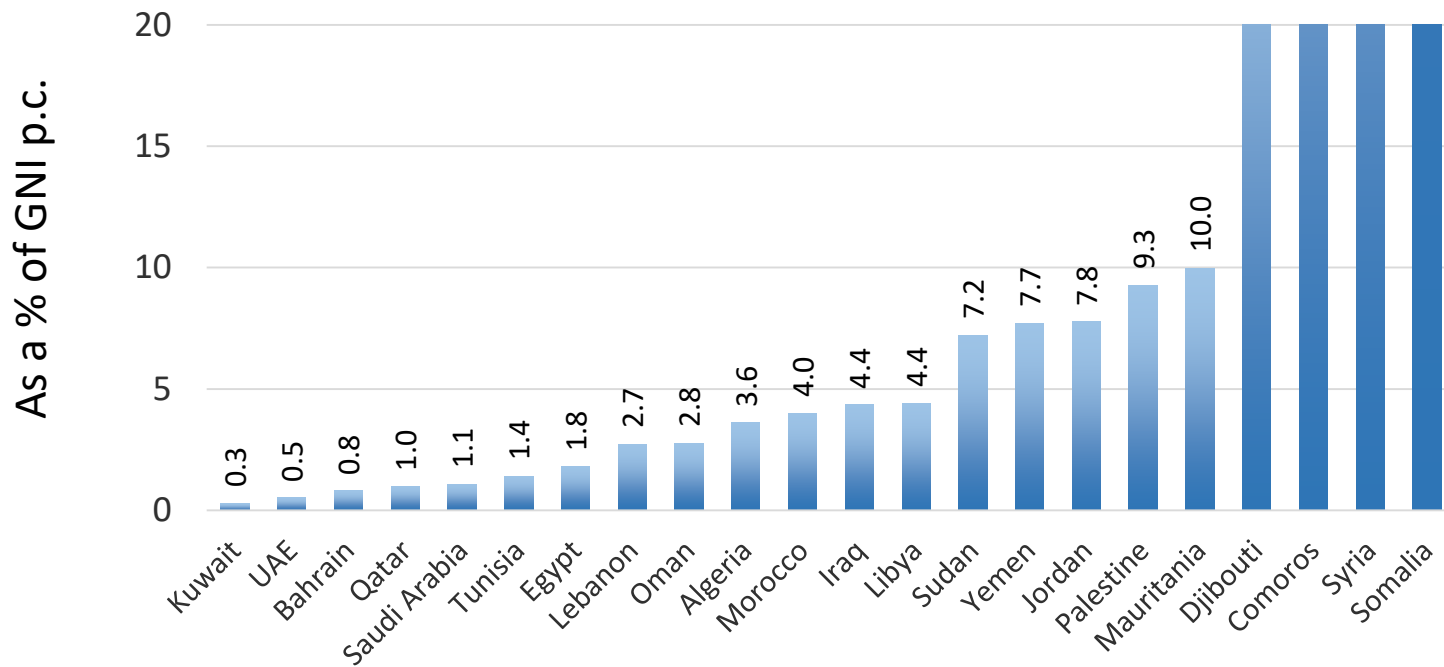
Fixed-broadband prices

Fixed-broadband prices, end 2016



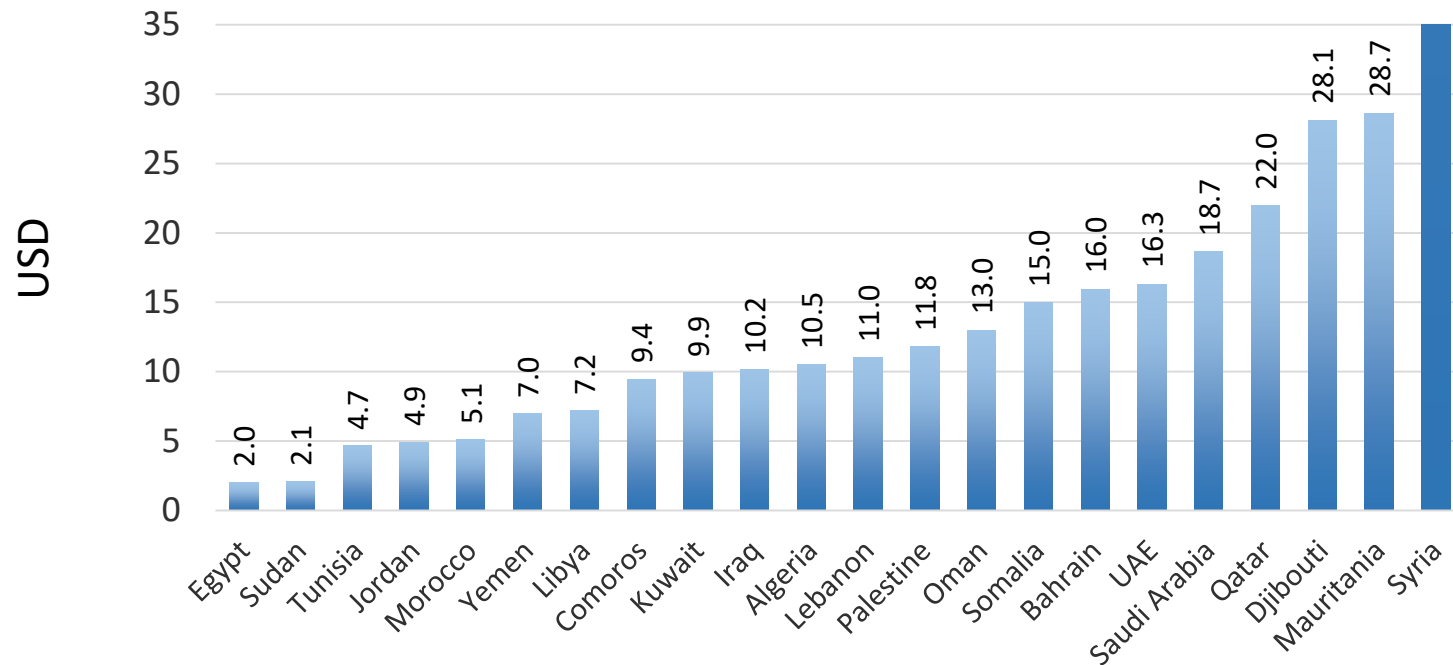
Fixed-broadband prices

Fixed-broadband prices, end 2016



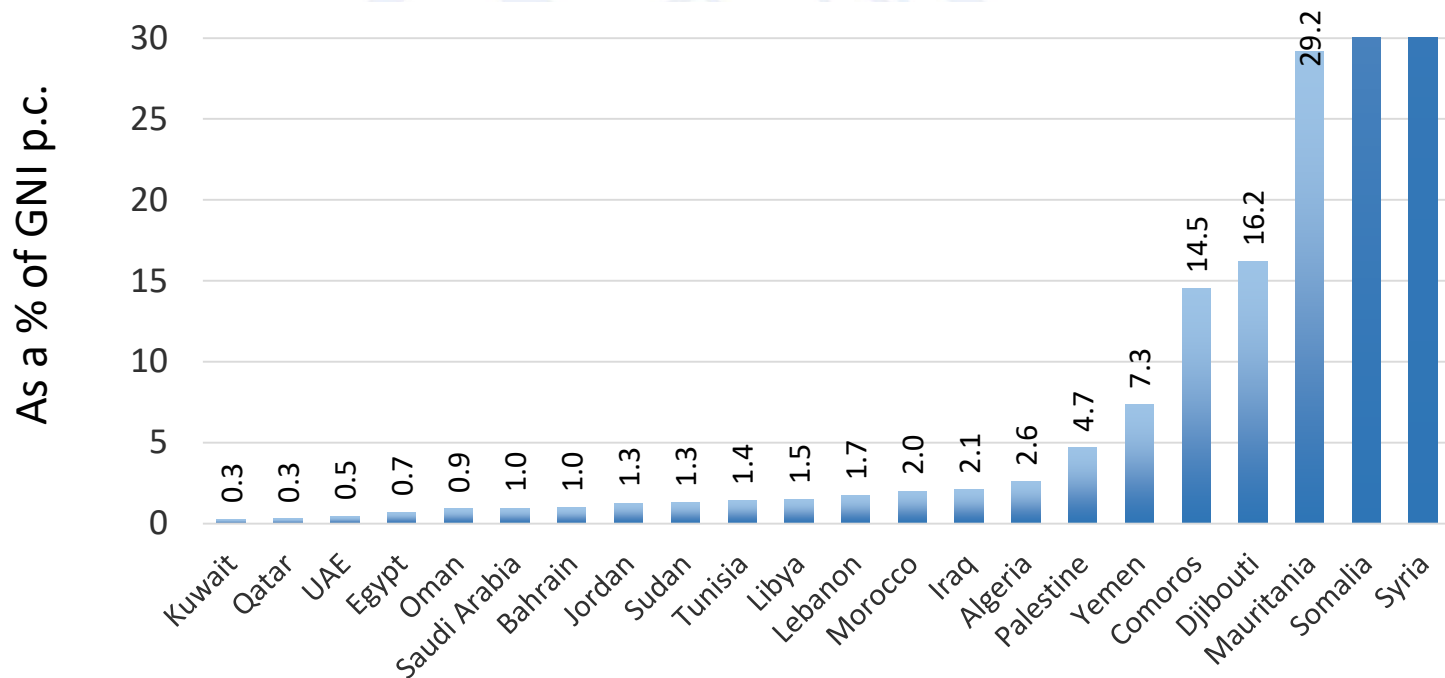
Mobile-broadband prices

Mobile-broadband prices, handset-based,
500 MB, prepaid, end 2016



Mobile-broadband prices

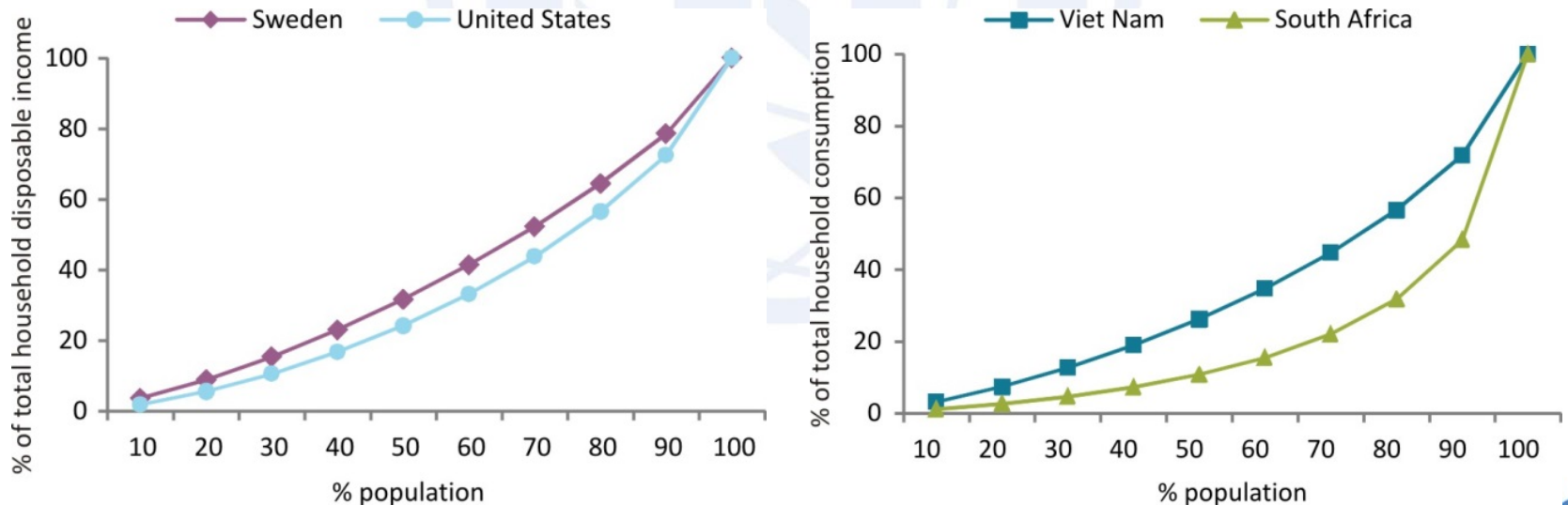
Mobile-broadband prices, handset-based,
500 MB, prepaid, end 2016



Affordability of broadband services in view of income inequalities

- Data on household disposable income and expenditure:
 - ▣ Reflect people's economic welfare
 - ▣ Provide insights into differences in affordability within countries

Distribution of household disposable income (left) and household consumption (right)

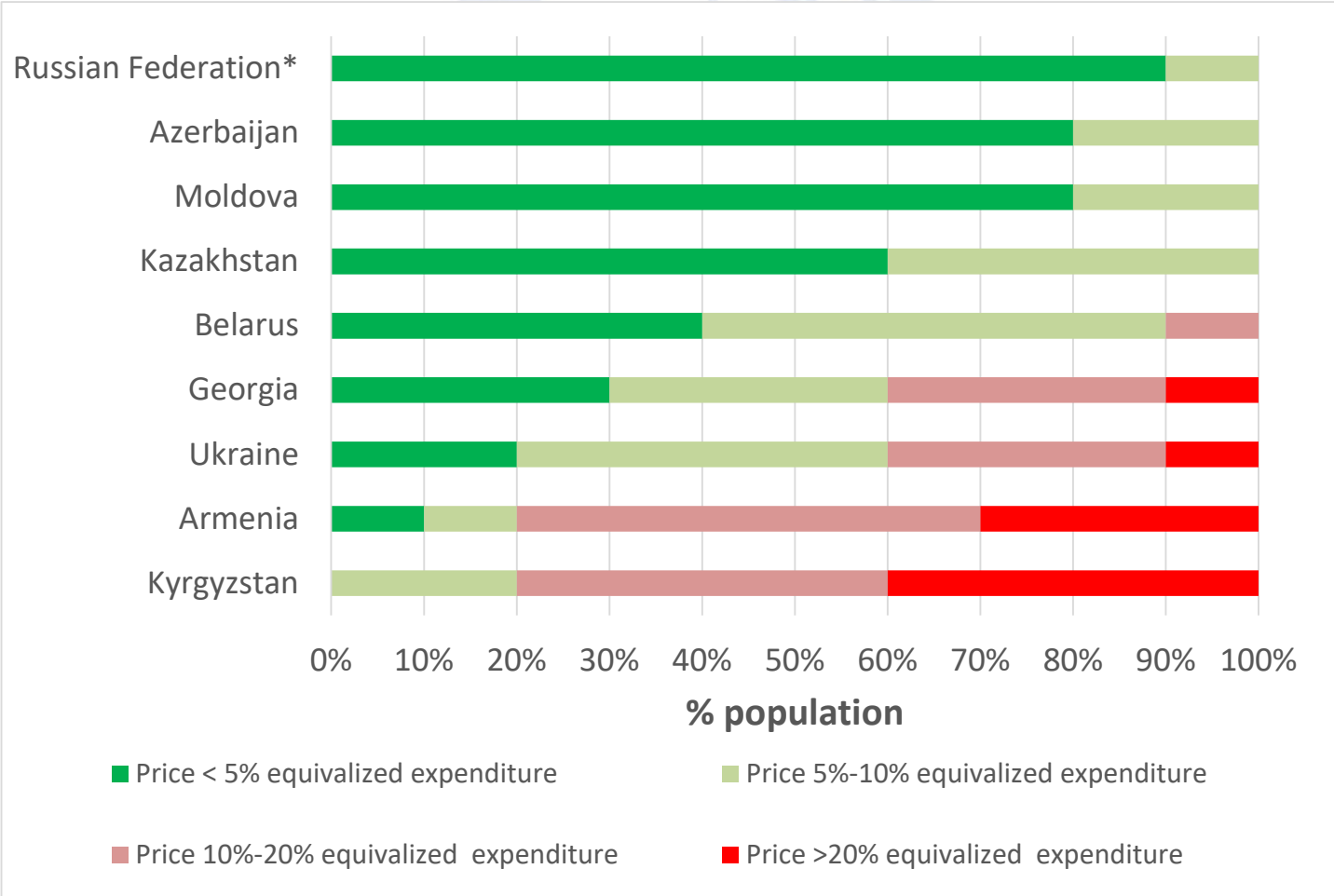


Source: Data for the United States and Sweden are sourced from the OECD Database on Income Distribution and refer to 2011. Data for South Africa and Viet Nam are sourced from the World Bank's PovcalNet and refer to 2008.



Households income inequalities greatly influence the affordability of mobile broadband

Prepaid handset-based mobile-broadband prices, 500MB/month, as % of household expenditure (2013)



ITU IPB 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:

Information collected

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

Fixed-broadband prices

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

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

1. Prices of the largest operator (in terms of fixed-broadband subscriptions).
2. Prices in advertised 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.

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

5. Cheapest plan based on a 5GB 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, fixed WiMAX, etc.).
8. Same price plan for monthly subscription, to the price of the excess charge, the volume of data that can be downloaded, etc.




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

9. Prices should be collected for a regular (non-promotional) plan. If there is a discount for the first months of contract, the price after the discount period should be selected
10. Bundled services - preferable to use prices for a specific service; otherwise, note the additional services
11. Plans with limited hours of use will not be considered

Example fixed-broadband prices

Superfast Fibre Packages Fast Packages Special Packages



Fast Packages	Monthly BD 10	Monthly BD 12	Monthly BD 15
Package Speed	10Mbps	10Mbps	14Mbps
Upload Speed	1.5Mbps	2Mbps	2Mbps
Double-up Download Speed	20Mbps	20Mbps	30Mbps
Double-up Upload Speed	1.5Mbps	1.5Mbps	2Mbps
Double-up Monthly Rental	BD5	BD5	BD5
Threshold (GB)	 70GB	 100GB	 140GB
Bahrain WiFi access**	FREE	FREE	FREE

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 advertised currency, **including taxes**
3. Prices refer to **prepaid plans** [...] the one that comes closest to each usage (e.g. 70 min and 20 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 the total number of 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 the total number of calls and minutes
17. Where monthly, recurring charges exist, they are added

Example mobile-cellular prices



MOBILE ▾

LANDLINE

INTERNET ▾

TV ▾



FEATURE	FEE
SIM Price	SR30
Initial Credit	SR25
All national calls	SR0.55 / Minute
International calls	Starting from SR0.55 / Minute
Local SMS	SR0.25
International SMS	SR0.25
Easynet (Internet Pay-As-You-Go)	SR2 / MB

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 advertised 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
8. commitment period (postapid): the closest to 12 months

Mobile-broadband indicators – rules (iii)

9. The selected plan should not be the one with the cap closest to 1.5 GB, but the cheapest for that monthly consumption
E.g. if an operator offers a 1 GB and a 3 GB plan, the cheapest taken: 3 GB plan or twice the 1 GB 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 should be used when they are the cheapest option for a given basket or the only option available

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 **cheapest packages, even if 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

Example mobile-broadband prices

Personal Business Vodafone Egypt



Shop

Services

Promotions

You are here: Home Page / Internet Bundles

Extreme Bundles

Weekly Bundles

Content Bundles

Daily Bundles

Main Bundles

Add-Ons

Choose the Extreme internet bundle for your phone,tablet that suits you best.

Price	Quota	Code	Subscribe
5 LE	150 MB	*2000*5#	Subscribe Now
10 LE	500 MB	*2000*10#	Subscribe Now
20 LE	1,100 MB	*2000*20#	Subscribe Now
30 LE	1,800 MB	*2000*30#	Subscribe Now
40 LE	2,500 MB	*2000*40#	Subscribe Now



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Exclusively from Vodafone, the remaining Megabytes from your previous bundle will be transferred to next month's bundle upon on-time renewal at the end of the 4th of week.



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