Technical Webinar on ICT Price Statistics 12 February 2025 Online

1. Welcome and Introduction

Jose-Luis CERVERA-FERRI, Senior Project Manager Daniel VERTESY, PhD, Economist International Telecommunication Union (ITU) ICT Data and Analytics Division

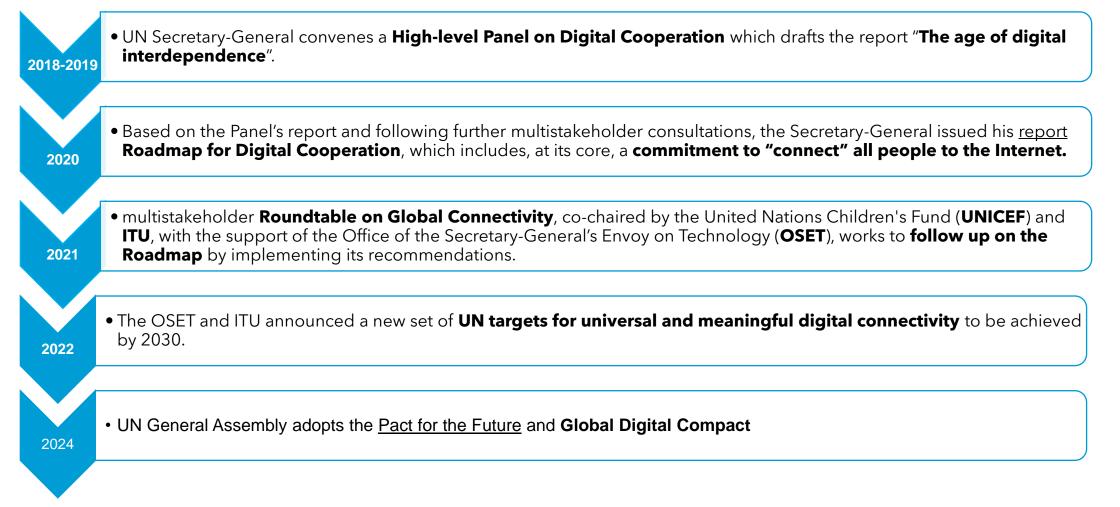




Introduction

• Measuring Universal and Meaningful Connectivity

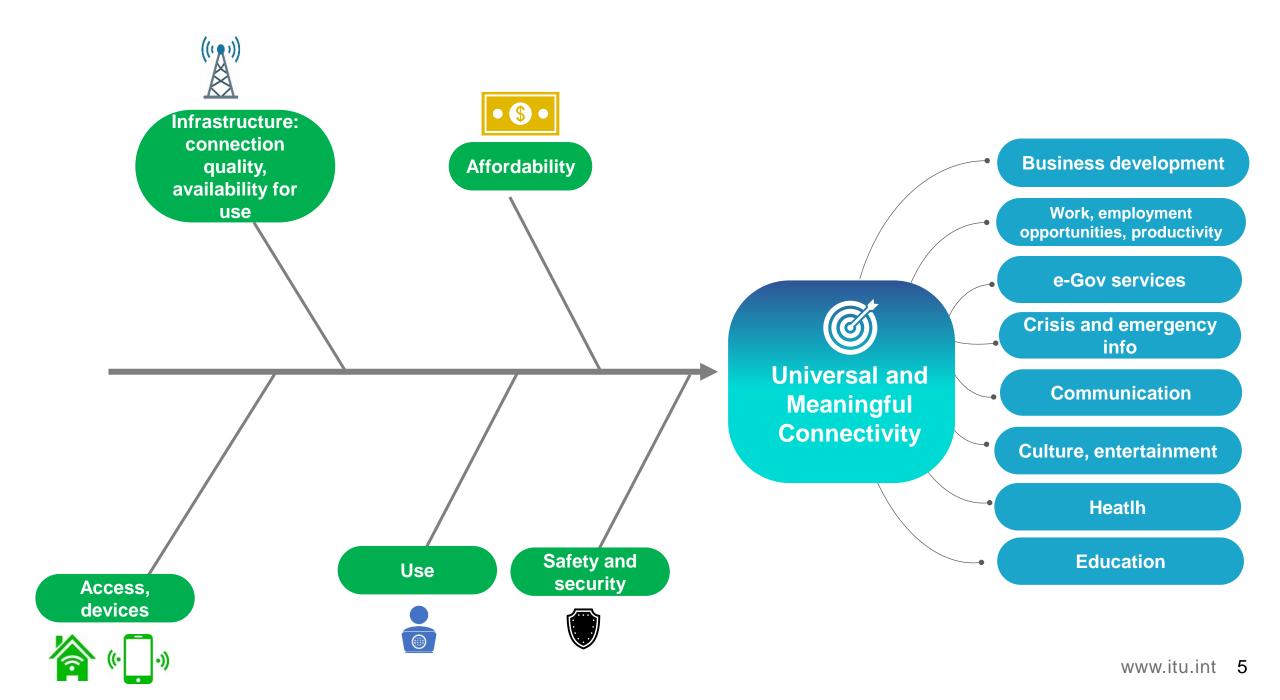




Objective 1. Close all digital divides and accelerate progress across the Sustainable Development Goals

We commit, by 2030, to:

(a) Develop and strengthen targets, *indicators and metrics for universal meaningful and affordable connectivity,* building on existing work, and integrate these into international, regional and national development strategies (SDG 9);



Project objective: strengthen the Capacity for measuring progress towards UMC

- Regional workshops on "Promoting and Measuring UMC"
- Technical webinars on compilation of ICT indicators
 - 12 February 2025: ICT Price Statistics
 - 26 and 27 March 2025: Household ICT indicators
 - 2 April 2025: World Telecom/ICT indicators
 - 4 more in 2026
 - Synchronised with the ITU data collection from Member States

Housekeeping notes

- Online meeting (Zoom)
- Please mute your microphones during the presentations
- Around 170 participants mostly from national telecommunication regulatory agencies and ministries for digital development
- Lecturers will deliver the presentations in English
- Questions can be asked in any language, at any time in written on the chat
- Q&A session after the presentations

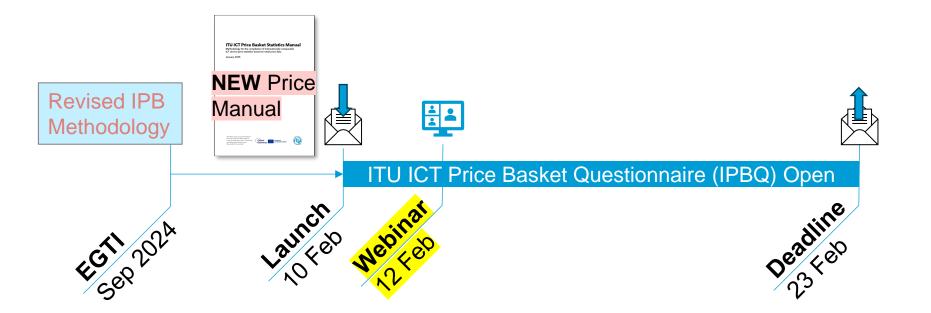
About our webinar

- Objectives, Expected outcome
- Introduction of the Trainers
- Agenda



Objectives & expected outcomes

- What are good practices in compiling ICT price statistics?
- What are the tools and resources available for practitioners?
- Better understand the NEW 2025 ICT Price Basket data collection rules
- Answer practical questions and address specific challenges with the IPB Questionnaire



Introduction of the trainers



Jose-Luis Cervera Senior Project Manager



Daniel Vertesy Economist/Analyst



Erika Giachino Project Assistant



Nehal Desai Statistical Assistant



Daniela Pokorna Statistical Assistant



Esperanza Magpantay Senior Statistician



Thierry Geiger Senior Economist, Head of Division



Viviana Umpierrez Statistician

Agenda



Evaluation



www.itu.int 11

Technical Webinar on ICT Price Statistics 12 February 2025 Online

2. The ITU ICT Price Basket Methodology 2025

Nehal DESAI, Statistical Assistant Daniela POKORNA CALHENO, Statistical Assistant Daniel VERTESY, PhD, Economist International Telecommunication Union (ITU) ICT Data and Analytics Division





ITU ICT Price Baskets: Concept & data collection



The basics:

- What Are ICT Price Basket Statistics?
 - A standardized methodology developed by ITU to measure and compare the affordability of ICT services worldwide.
 - These statistics aggregate service prices into predefined "baskets".
 - They provide a benchmark for policymakers to assess affordability and digital inclusion progress.
- Why Are They Important?
 - Comparability: Enables cross-country analysis of ICT service affordability.
 - Policy Guidance: Helps governments set affordability targets and monitor progress toward Universal and Meaningful Connectivity.
 - Market Transparency: Provides insights into pricing trends in ICT markets.
- What Do the ICT Price Baskets Measure?
 - Mobile and Fixed Broadband.
 - Mobile Voice & SMS & Data Bundles.

How to make ICT prices internationally comparable?



Unit = Basket

A basket of ICT services is the internationally comparable unit

Data collection rules

Retail prices collected based on the rules agreed by the ITU Expert Group on Telecommunication/ICT Indicators (EGTI)





Representative for services used in highand low-income countries

Quality assurance

Data collected by country focal points and desk research, and validated



Prices collected in advertised currencies converted to 3 units of measurement (USD, PPP, GNI per capita)

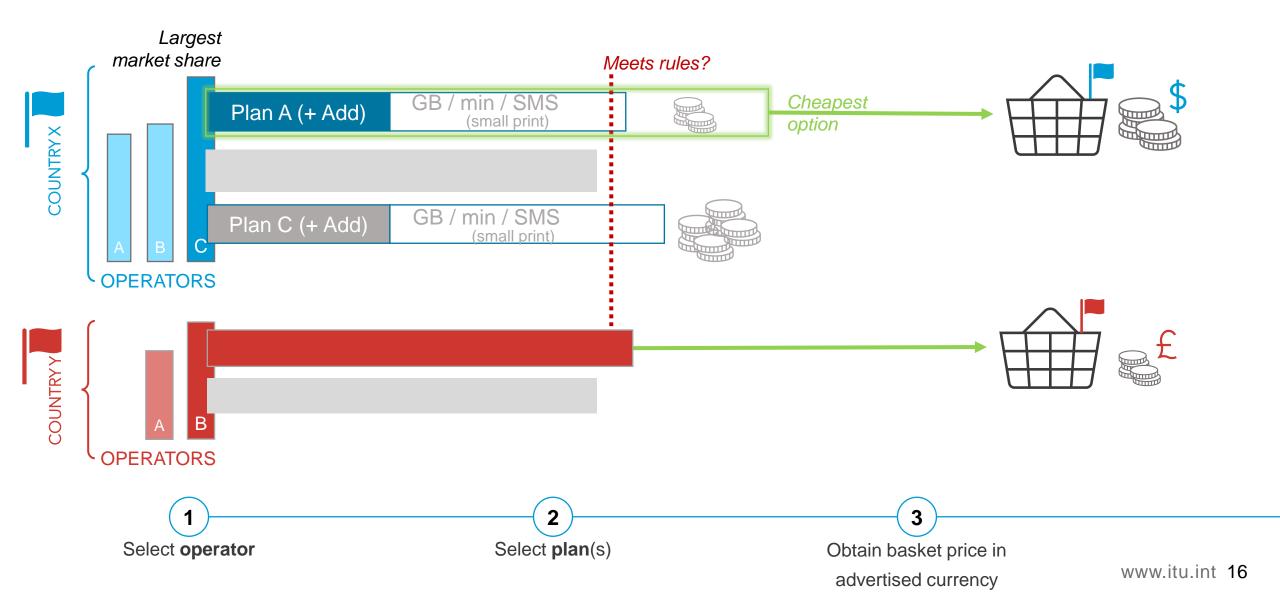






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From retail prices to ICT price baskets...

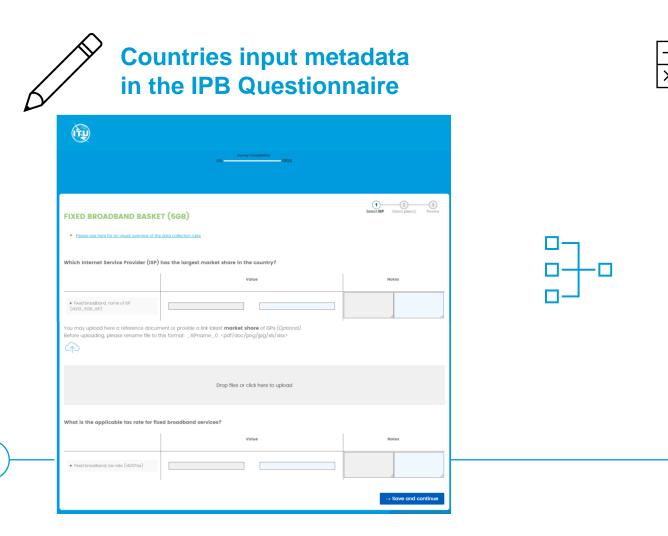


Data Collection

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...from metadata...

...to basket totals...







Data processingand global ICT price statistics



Data validation

- ITU reviews submissions to ensure data meets collection rules;
- ITU Verify questions with data submitters

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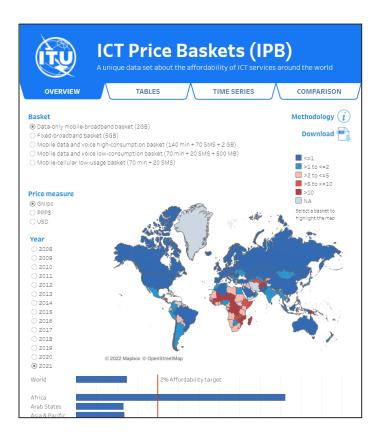
USD, PPP, % GNI per capita

- Collect exchange rates data from the World Bank, IMF, UN OPS; (USD: Q1; GNI, PPP: last year)
- **Convert** basket prices to comparable measurement units



Dissemination

- Publish data on IPB web application on ITU website
- Compute and publish country group medians and historical time series (excel tables)
- Use data for further
 analyses





The 2025 IPB Methodology



Summary of the 2024 Revision of ITU ICT Price Baskets

ICT Price Basket	Old Definition (2021-2024)	New Definition (from 2025)	
Mobile-cellular low-usage basket	70 minutes + 20 SMS	Removed	
Data-only mobile- broadband basket	Minimum 2 GB	Minimum 5 GB	
Mobile Data and Voice (• - •) Low-consumption Basket	70 minutes + 20 SMS + 500 MB	70 minutes + 50 SMS + 1 GB	
Mobile Data and Voice (. 🗐 .))	140 minutes + 70 SMS + 2 GB	140 minutes + 70 SMS + 2 GB (On a temporary basis)	
High-consumption Basket " 🛄 "	THO MINULES T 70 SINS T 2 OD	140 minutes + 20 SMS + 5 GB	
Fixed-broadband basket 실휴	Minimum 5 GB	No Change Minimum 5 GB	

- Maintain relevance: New definitions, removed 1 basket
- Revised rule on contract modality

Your reference for ICT retail price data collection

www.itu.int/en/ITU-D/Statistics/Documents/ICT_Prices/ITU_IPBQManual_2025.pdf



- ✓ Revised baskets (allowances)
- ✓ Revised indicators for metadata
- ✓ Revised rules
- ✓ Clarifications on data collection
- ✓ Context
- ✓ Examples



The rules at a glance

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Basket Minimum allowance	Fixed Broadband 5GB	Data-only Mobile broadband <mark>5GB</mark>	Mobile data and voice low cons. 70+ <mark>50+1GB</mark>	Mobile data and voice high cons. 140+ <mark>20+5GB</mark>	Mobile data and voice high cons. 140+70+2GB	
Market leader	By fbb subscriptions	By fbb subscriptions In terms of mobile-cellular subscriptions [any technology]				
Currency	Prices to be collected in the currency advertised (local currency or \$ world currency /where inflation is high/)					
Taxes	Include all taxes (VAT, digital, other levies, etc.) (Note: "accounting units" /e.g., flex, etc./ often exclude tax!)					
	Plan(s) should be in force at time of data collection; not a limited-time offers*					
Validity period	1 month		30 days o	or 4 weeks		
Territorial validity	Entire country; if prices vary, largest city (by population); [if unavailable: capital city]					
Prepaid/Postpaid?	Not specified (typically, postpaid)The cheapest modality: regardless of whether prepaid or postpaidNEW					
Commitment period	12 months preferred Not considered NEW					
Non-promotional	Non-promotional, residential, individual (not businesses), no user restriction (e.g., not for students, youth, retired, etc. only)					

www.itu.int 22

NEW	2025
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The rules at a glance

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Prepaid/Postpaid?	Not specified (typically, postpaid)	I DE CDEADEST MODAIITY: LEGALGIESS OF MOETDEL DLEDAID OL DOSTDAID NEW				
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Non-promotional	Non-promotional, residential, individual (not businesses), no user restriction (e.g., not for students, youth, retired, etc. only)					

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Contract modality: prepaid or postpaid?

Select the **cheapest option**, regardless of whether it is a prepaid or post-paid, and regardless of whether it represents the majority use

▲ Change of practice since 2025 IPBQ (EGTI 2024 agreement)



Commitment periods

Fixed-broadband basket: 12 months commitment period preferred

Mobile [broadband] baskets: Not considered (since EGTI, 2024)

Fixed-broadband basket : "In case operators propose different commitment periods, the 12month plan (or the one closest to this commitment period should be used). If the plan selected requires a longer commitment (i.e. above 12 months), it should be indicated in the note of the monthly subscription. Furthermore, if there are different prices (for example, a discounted price for the first year, and a higher price as of the 13th month), then the price after the discount period should be selected (e.g. the price as of the 13th month). "



+ What are promotional plans?

- Plans advertised for limited time period;
- Plans restricted for selected user groups
 - E.g., Existing subscribers only (to same or other products); new customers only
 - Plans restricted for students, under 26, retired, fleet members, etc.
 - Special prices for calling certain numbers or on certain days
 - Mobile broadband plans limited to certain types of devices
- Clearly indicated as promotional

➔ Do not use promotional plans

exceptions / special considerations (assess on a case-by-case basis):

- Offers with short shelf life due to high inflation
- Lower prices for online-only in a country with high Internet usage /i.e., not a restriction/
- "Constant promotions" operators in some countries always call plans "offer" or indicate as promotions, but those are not for limited time only

MTN	Personal 👻	Business 👻	МоМо 🔻	VAS 🔻	Investors 🔻	Company 🔻	Q

Yolo

Back

"YOLO Be Great" is a youth value proposition which targets customers aged 25 & below, offering voice and data offers called Yolo Pack. With a reward platform named YOLO star.

Yolo has special offers designed for Youth and it gives them Voice, Data and Lifestyle Benefits. A



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Voice Pc	Wee	ekenc	l and Holi	day Bund	dle	7	

Overview

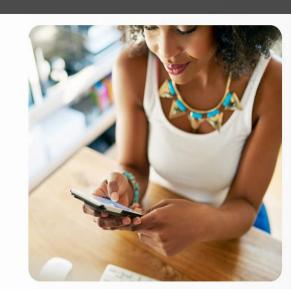
Product Perspective

MTN will be launching Weekend and Holiday bundles. These bundles that will be made available to MTN subscribers o as per Zambian Calendar.

A Customers can find the bundle on the USSD *117#. These bundles are meant to promote recharges and usage durin and Sunday) and holidays and will follow the Zambian calendar in the table on the next slide.

The first Holiday bundle will be on 24th October 2022

Price	Validity	Volume	Available for	
К10	Midnight	10GB	Weekends & F	_
К5	Midnight	Unlimited MTN to MTN Calls	Weekends & Public Holiday	/S



ток

This service allows you to talk to a particular number for a duration of 1000 minutes.

To subscribe

> Go to Create Message, type SUB and send it to 135

- > You will receive a confirmation message, call 135 and follow the voice prompt.
- > The service cost only D150 for 1000 minutes within 30 days.

> The customer will be notified prior to the expiry date.

> This service will cost you only D5.

HOME ABOUT US PRODUCTS SERVICES 4G ROAMING ESIM NEWS



The rules at a glance (continued)

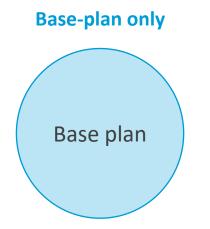
			(((· + ·»	(· + ·»		
Basket Minimum allowance	Fixed Broadband 5GB	Data-only Mobile broadband <mark>5GB</mark>	Mobile data and voice low cons. 70+ <mark>50+1GB</mark>	Mobile data and voice high cons. 140+ <mark>20+5GB</mark>	Mobile data and voice high cons. 140+70+2GB		
Technology, speed	Dominant tech.; at least 256 kb/s		At least 3G, 256 kbit/s dl				
Time of day	Should not be limited	Hours should	Hours should not be limited (voice/SMS: avg. of peak/off-peak if applicable)				
On-/off-net	(not applicable)	(not applicable) On-net prices					
Zero-rated services, social media		excluded from minimum data allowance					
Cheapest option	C	heapest solution that meets the requirements (but fine if overshoots it)					
All details from the same plan(s)	Use the	same plan [and compatible add-on(s), as required] for collecting all metadata					



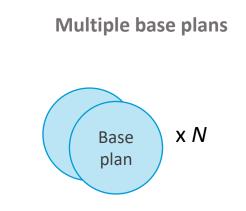
Can we use bundled services?

- Often difficult to isolate services provided together with multiple services
 - E.g., Fixed broadband Internet access + Fixed line telephony + TV
 - E.g., Voice + data services for mobile telephony
- YES: If bundled service is the cheapest available option to meet the minimum threshold, this bundle should be used
- Don't take plans partially
- Note: value for money is not a guiding principle

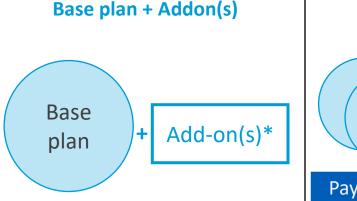
Finding the cheapest options for mobile baskets



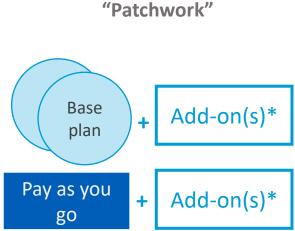
- The cheapest option is a single plan with the sufficient allowance & validity period to reach threshold
- Excess usage added if needed



- A single plan to be taken multiple times to reach the necessary allowance & validity thresholds
- E.g., use 4 x weekly plan



- The cheapest option is a base plan combined with an add-on to reach the necessary allowance & validity period
- Add-on(s) should be compatible with base plan;
- Add-on = Data/Voice/SMS (as needed)
- Add-on may also be a different plan, if compatible with the previous (e.g., 1 x 2-weekly + 2 x 1 weekly plan)



- Any combination that meets the thresholds is acceptable, if compatible with one another;
- (e.g., multiple base-plans combined with add-ons)
- May include Pay-as-you go
- May include excess usage

1 thresholds to meet

- ✓ Allowance: minimum [e.g. 5 GB]
- ✓ Validity: continuously for 30 days or 4 weeks

www.itu.int 30

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The fixed-broadband basket (5GB)

- Which Internet Service Provider has the largest number of FBB subscriptions?
- What is the most commonly used technology?
 (Fiber? DSL? Fixed Wireless /any, e.g. 4G or 5G/?) → consider these plans only!
 - Technology: indicate all technologies offered for a plan (if location-specific)
 - What is a *fixed* wireless? \rightarrow Contract should specify location!
- Are prices location-specific? \rightarrow indicate a typical address in the questionnaire
- <u>Residential</u> or business plans?
- Restrictions on usage?
- "Unlimited" in practice? \rightarrow Throttled? \rightarrow if throttled speed <256kbps, limited!
- What are the recurrent monthly charges you need to pay to access the Internet? (Line & Internet separately? Add both, taxes included)
- One-off charges: separately

Mobile broadband baskets



- Which mobile operator has the largest number of subscriptions?
- What are the tax rates? \rightarrow Add all (VAT and other applicable taxes faced by consumers;)
 - Some cases, data and voice services have different taxes.
- Prices should be collected based on **3G technologies or above**:
 - (such as UMTS, HSDPA+/HSDPA, CDMA2000, IEEE 802.16e, LTE, LTE-Advanced and WiMAX/WirelessMAN) with an advertised download speed of at least 256 kbit/s.
 - The plans should apply irrespective of the device used (mobile phones, tablets, USB dongles). Prices applying to WiFi or hotspots should be excluded.
 - Allows both upload and download at broadband speeds
 - If a plan advertises unlimited data but reduces the speed below 256 kbit/s after a certain volume, only the portion consumed before throttling is considered broadband data.
- The cheapest plan should be chosen without regard to the plan's modality (prepaid or postpaid). The modality of the reference plan should be recorded. When a postpaid plan is the cheapest plan, the minimum length of the contract should also be recorded in the notes.

Mobile broadband baskets



- **Bundles** (that include other services) are also accepted [provided that this is the cheapest option]
- Take not of fair usage policy limits in case of plans advertised as "unlimited"
- Non-recurrent fees, such as installation/set-up fees are not collected.
- Zero-rated services (i.e., services that can be consumed besides the monthly data allowance, such as via certain platforms or applications – typically OTT, social media) should be specified in a note and should not be counted in the total data allowance volume.

The data-only mobile broadband basket (5GB)

Refers to the cheapest available mobile data connection from the largest operator in a country, using 3G or more advanced technology, that allows at least 5 GB monthly Internet data usage and meets the data collection requirements specified below.

- The **minimum** monthly data allowance increased from 2 GB to 5 GB effective as of 2025
 - The selected plan should **not necessarily be the one with the cap closest to the basket's reference data volume** but include a minimum of the reference data volume.
 - 2 x Plan A with a monthly 3 GB;
 - 1 x Plan B with monthly 10 GB plan
 - 1 x Plan A with a monthly 3 GB + a 2 GB data add-on. Select the cheapest!
 - Data volumes should refer to both upload and download data volumes.
 - If prices are linked to 'hours of use' and not to data volumes, this information should be added in a separate note. [Note: ITU will most likely not be able to include these cases in a comparison.]
- Pay-as-you-go offers also acceptable if they are the cheapest option for a given basket or the only
 option available.



The mobile data and voice baskets (high & low consumption)

- Broadband baskets so the same rules apply as for data-only mobile broadband
- Baskets may include **stand-alone services**, **bundled services** or a **combination of the two** as long as the cheapest options are selected that meet the following thresholds:
 - Low-consumption data-and-voice basket: 70 minutes, 50 SMS and 1 GB.
 - High-consumption data-and-voice basket: 140 minutes, 20 SMS and 5 GB.
 - High-consumption data-and-voice basket (temp.): 140 minutes, 70 SMS and 2 GB.
- Minimum thresholds: The selected plan should not necessarily be the one with the data, voice and SMS allowances closest to the defined consumption set for each data-and-voice basket, but rather the cheapest including the minimum allowances set for each consumption profile.
 Valid options select the cheapest alternative [for the low-consumption]
 - 2 x Plan A: 35 minutes, 25 SMS and 500 MB monthly
 - 1 x Plan B: unlimited domestic voice and SMS and 2 GB data
 - 1 x Plan C: unlimited voice and 1 GB data + 50 SMS add-on

Try it in practice!

NUMERICAL EXAMPLES



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Numerical exercises

Daniela POKORNA CALHENO, Statistical Assistant Nehal DESAI, Statistical Assistant International Telecommunication Union (ITU) ICT Data and Analytics Division





Fixed-broadband basket (5 GB)

Example of Australia

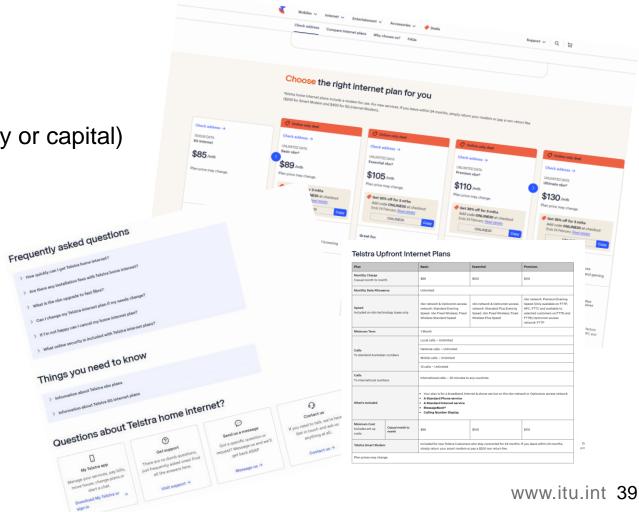




1. Internet Service Provider (ISP): Market leader in fixed-broadband subscriptions

2. Plan

- Non-promotional
- Commitment period: 12 months
- Valid in the entire country (if not, largest city or capital)
- Residential
- Dominant technology
- Price:
 - Currency as advertised
 - Include all taxes

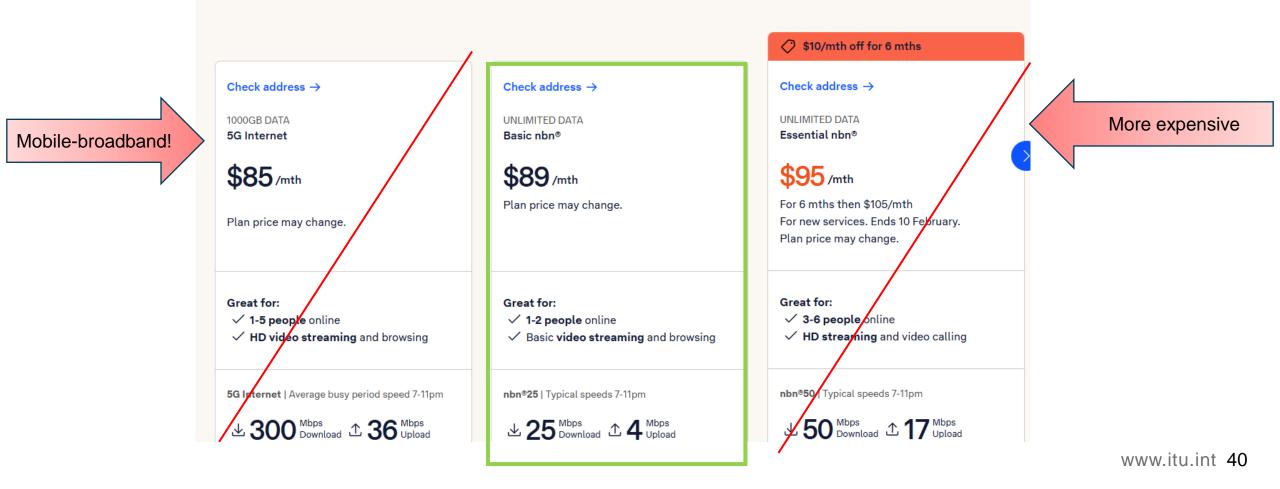




Fixed-broadband (5GB): Plan selection

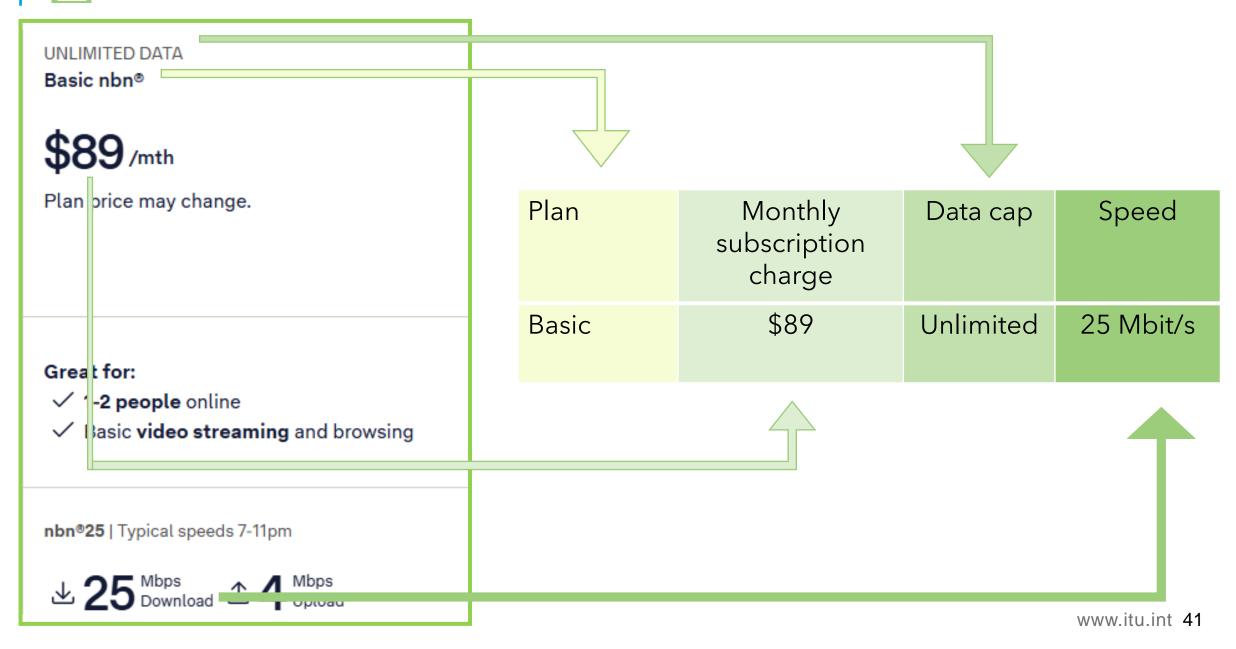
Check address Compare internet plans Why choose us? FAQs

Each of the plans below include a modem for use. For new services. If you leave within 24 months, simply return your modem or pay a non-return fee (\$200 for Smart Modem and \$400 for 5G Internet Modem).





Fixed-broadband (5GB): Plan selection



Step 1: ISP: Telstra

Step 2: Selected plan: Basic

Step 3: Data entry in the questionnaire

Plan	Monthly subscription charge	Data cap	Speed
Basic	\$89	Unlimited	25 Mbit/s

	Valu 2024	le 2025	No 2024	otes 2025
Plan name (i4213_5GB_Plan)	Basic	Basic		Includes unlimited calls
Link to plan (i4213_5GB_Link)	https://www.telstra.c	https://www.telstra.c		
 Connection charge (4213_5GB_bc) 	0	0		
 Monthly subscription charge (i4213_5GB_bc) 	85	89		
 Connection speed, in Mbit/s (i4213_5GB_bs_s) 	25	25		
 Technology used (i4213_5GB_Tech) 	FTTx	FTTx		
				→ Save and continue

What is the data cap of the selected plan?

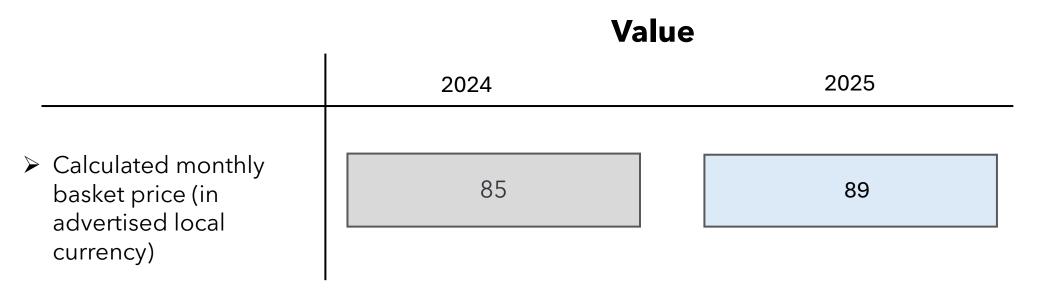
Unlimited data is included in the plan

O Unlimited data, but speed is throttled after consuming a certain amount of data

O Limited, data cap is...

Thank you for completing the information for the Fixed-broadband basket (5GB)

As a final step, please indicate here the total monthly charge of the Fixed-broadband basket.



Imp! Upload screenshot, Terms and Conditions for the price, or any relevant supporting evidence

You have the possibility to upload **two** files (pdf/doc/png/jpg/xls/xlsx)



Australia_FBB1.pdf Australia_FBB2.jpg

Add here any other notes related to the calculation of the Fixed-broadband basket (5GB) price

This information will be very helpful for the ITU team to better understand and validate the submitted data.

Selected plan: Basic Total basket price: \$89 Data cap: Unlimited

NEW! Data-only mobile-broadband basket (5GB)

Example of Chile

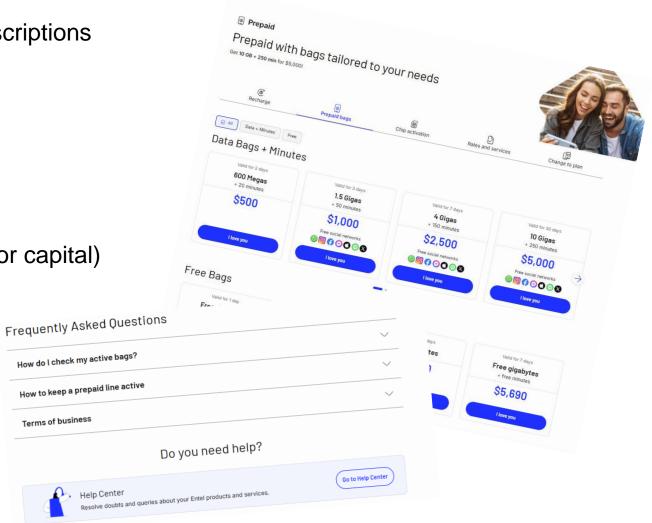




1. Operator: Market leader in mobile-cellular subscriptions

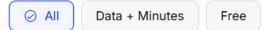
2. Plan

- Non-promotional
- Prepaid or postpaid
- Commitment period: not considered
- Validity:
 - Entire country (if not, then largest city or capital)
 - 1 month or 4 weeks
- Price:
 - Currency as advertised
 - Include all taxes

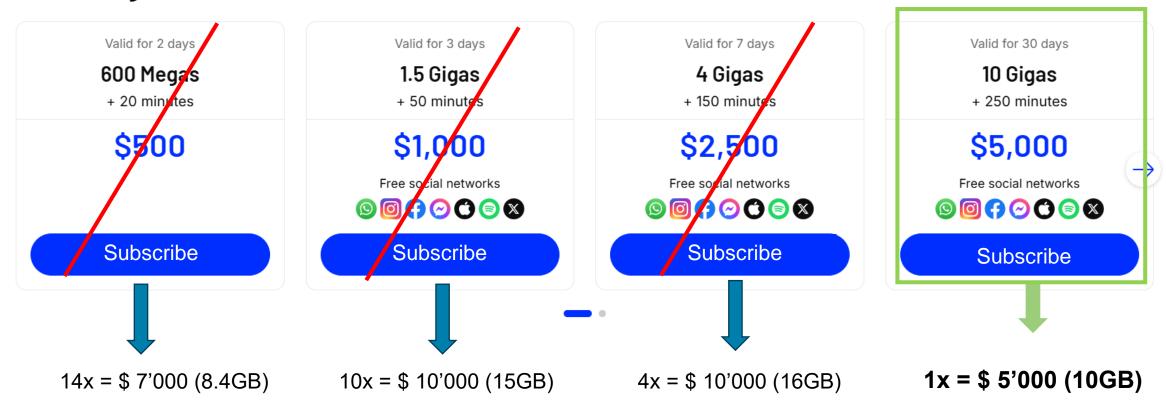




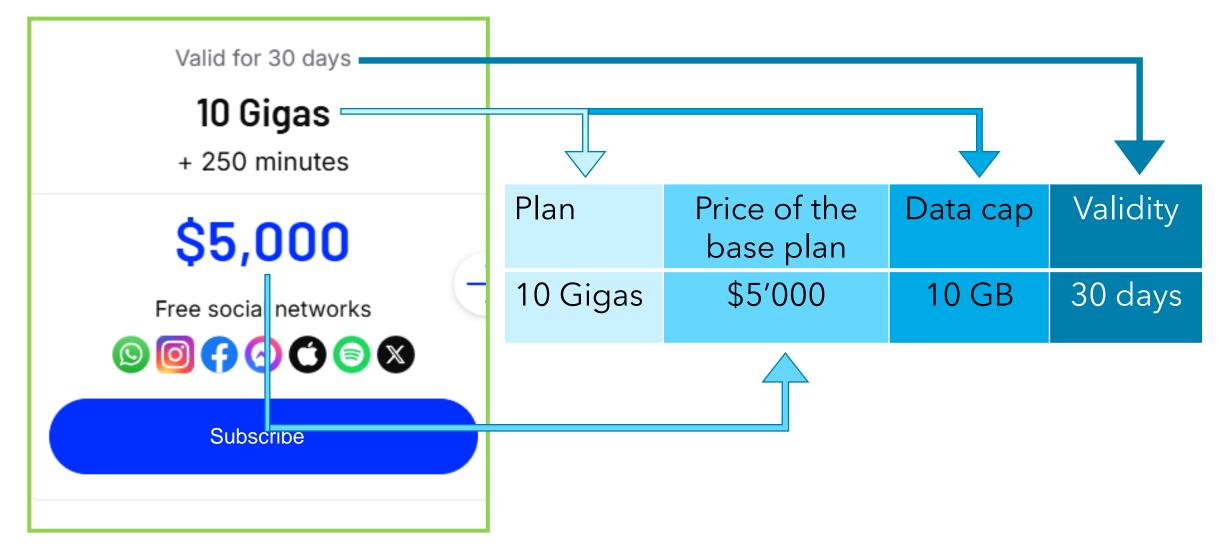
NEW! Data-only mobile-broadband basket (5GB): Plan selection



Data Bags + Minutes







	Plan	Price of the	Data cap	Validity
Step 1: Operator: Entel		base plan		
Step 2: Selected plan: 10 Gigas	10 Gigas	\$5′000	10 GB	30 days

Step 3: Data entry in the questionnaire

	Valu 2024	l e 2025	No 2024	o tes 2025
Name of the base plan (i271mb_Plan_5GB)	10 Gigas	10 Gigas		Includes 250 mins and free social networks
Link to plan (i271mb_link_5GB)	https://www.entel.cl	https://www.entel.cl/		
Price of the base plan (i271mb_bs_5GB)	5′000	5′000		
 Base plan data cap (i271mb_c_5GB) 	10	10		
 Validity of the base plan, in days (i271mb_v_5GB) 	30	30		
Technology used (i271mb_Tech_5GB)	LTE	LTE		
I			I	→ Save and continue

Is an add-on package necessary to reach the 5GB or 4 weeks/30 days validity period thresholds?

 \bigcirc Yes: add-ons are necessary to meet the basket requirements

No: add-ons are not needed

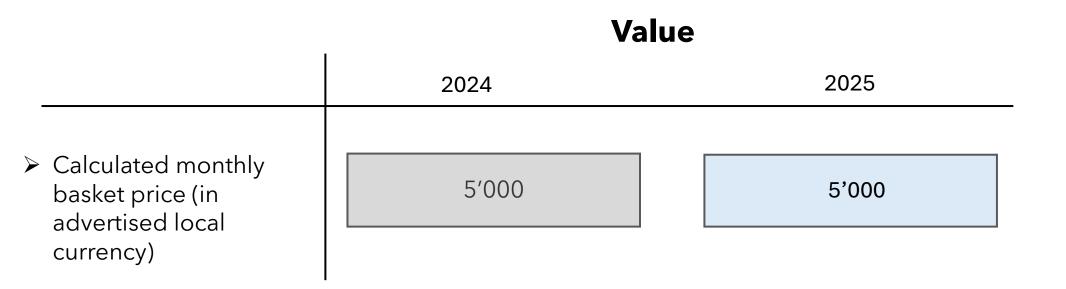
Is there any remaining data allowance needed to reach the 5GB and/or 4 weeks/30 days validity period thresholds?

 \bigcirc Yes: I will enter the price of excess usage

No: the base plan [and add-ons] are covering all the data necessary for this basket

Thank you for completing the information for the Data-only mobile-broadband basket (5GB)

As a final step, please indicate here the total monthly charge of the Data-only mobile-broadband basket.



Imp! Upload screenshot, Terms and Conditions for the price, or any relevant supporting evidence

You have the possibility to upload **two** files (pdf/doc/png/jpg/xls/xlsx)



Chile_MBB1.pdf Chile_MBB2.jpg

Add here any other notes related to the calculation of the Data-only mobile-broadband basket (5GB) price

This information will be very helpful for the ITU team to better understand and validate the submitted data.

Selected plan: Giga 10 Total basket price: \$5'000 Data cap: 10 GB Validity: 30 days

NEW! Mobile data- and voice low-consumption basket (70+50+1)

Example of Tanzania





Step 1: Select the operator with the largest market share in terms of any mobile-cellular subscriptions

Step 2: Select the cheapest option of all the available plans on the operator's website

Step 3: Data entry inside the online questionnaire

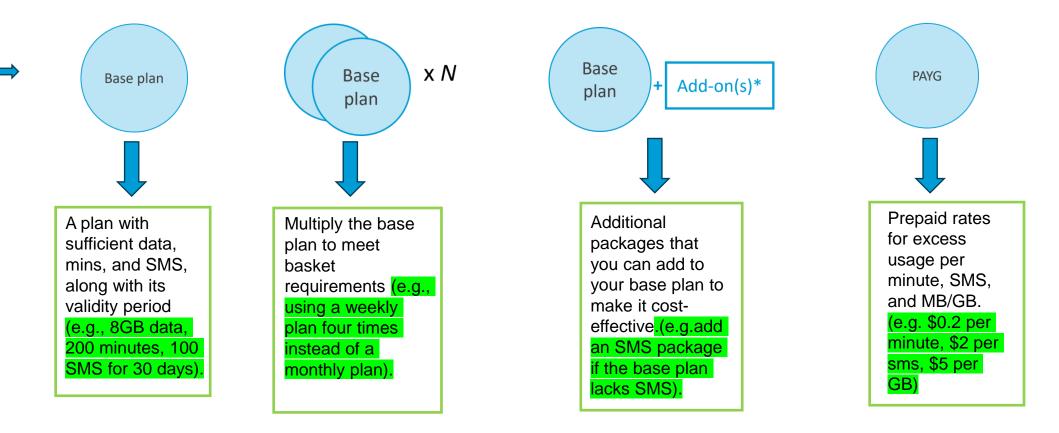
Numerical Exercise:

NEW! Mobile Data and Voice Low-Consumption (70 MIN + 50 SMS + 1 GB)



Step 2: Select the cheapest option of all the available plans on the operator's

Possible scenarios:



Numerical Exercise

NEW! Mobile Data and Voice Low-Consumption (70 MIN + 50 SMS + 1 GB)



Step 1: Representative operator already chosen (in this case, Vodacom Tanzania)
 Step 2: Select the cheapest plan of all the available options on the operator's website

Daily	30 Minutes Allnet, 20 SMS	TZS 500
Daily	150 Minutes Allnet, 20 SMS	TZS 1000
Daily	150 Minutes Allnet, 20 SMS, 490MB	TZS 2000
Weekly	200 Minutes Allnet, 50 SMS	TZS 2500
Weekly	1000 Minutes Allnet, 50 SMS	TZS 5000
Weekly	460 Minutes Allnet, 50 SMS	TZS 3000
Weekly	550 Minutes Allnet, 100 SMS, 3GB	TZS 10.000
Weekly	200 Minutes Allnet, 50 SMS (Autorenewal)	TZS 2500
Weekly	460 Minutes Allnet, 50 SMS (Autorenewal)	TZS 3000
Weekly	1000 Minutes Allnet, 50 SMS (Autorenewal)	TZS 5000
Monthly	1200 Minutes Allnet, 100 SMS	TZS 10.000
Monthly	3000 Minutes Allnet, 100 SMS	TZS 20.000
Monthly	1280 Minutes Allnet, 500 SMS, 10GB	TZS 30.000
Monthly	1200 Minutes Allnet, 500 SMS, 19.9GB	TZS 50.000
Monthly	1200 Minutes Allnet, 100 SMS (Autorenewal)	TZS 10.000
Monthly	3000 Minutes Allnet, 100 SMS (Autorenewal)	TZS 20.000
Source:	Vodacom Tanzania, January 2025	

Pay as You Go
Calls without bundle to Vodacom will be charged Tsh 0.50 per second and Vodacom to other network Tsh 0.50 per second
Data browsing without bundle will be charged Tsh 0.0091 per KB
All local SMS without bundle will be charged Tsh 8 per SMS to any network
* All charges are Tax Inclusive

Validity period: four weeks or 30 days

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Numerical Exercise

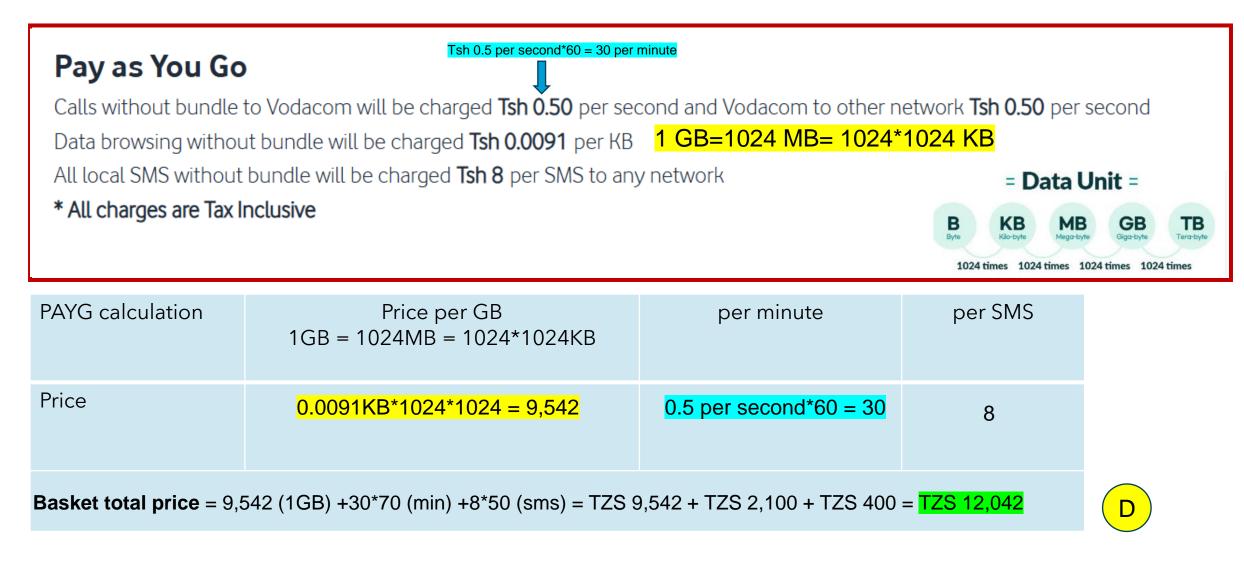
Step 2: Select the cheapest plan of all the available options on the operator's w

Daily plan multiplied 28 times 150 mins*28 = 4200 mins 20 sms*28 = 560 sms 490 MB*28 = 3720MB/= 13.4GB Total Price = TZS 2000*28 = **TZS 56000**

Daily	30 Minutes Allnet, 20 SMS	TZS 500	
Daily	150 Minutes Allnet, 20 SMS	TZS 1000	
Daily	150 Minutes Allnet, 20 SMS, 490MB	TZS 2000	28x →TZ\$ 56,000 13GB; 4200 mins; 560 sms 🦯
Weekly	200 Minutes Allnet, 50 SMS	TZS 2500	
Weekly	1000 Minutes Allnet, 50 SMS	TZS 5000	
Weekly	460 Minutes Allnet, 50 SMS	TZS 3000	
Weekly	550 Minutes Allnet, 100 SMS, 3GB	TZS 10.000	\rightarrow 4x \rightarrow TZS 40,000; 12GB; 2200 mins; 400 sms $($
Weekly	200 Minutes Allnet, 50 SMS (Autorenewal)	TZS 2500	
Weekly	460 Minutes Allnet, 50 SMS (Autorenewal)	TZS 3000	
Weekly	1000 Minutes Allnet, 50 SMS (Autorenewal)	TZS 5000	
Monthly	1200 Minutes Allnet, 100 SMS	TZS 10.000	
Monthly	3000 Minutes Allnet, 100 SMS	TZS 20.000	
Monthly	1280 Minutes Allnet, 500 SMS, 10GB	TZS 30.000	$\implies 1x \rightarrow TZS 30,000; 10GB; 1280 mins; 100 sms$
Monthly	1200 Minutes Allnet, 500 SMS, 19.9GB	TZS 50.000	
Monthly	1200 Minutes Allnet, 100 SMS (Autorenewal)	TZS 10.000	1x → TZS 30,000; 10GB; 1280 mins; 100 sms
Monthly	3000 Minutes Allnet, 100 SMS (Autorenewal)	TZS 20.000	www.itu.int
Source:	Vodacom Tanzania, January 2025		www.itd.iiit

Numerical Exercise





Compare the most economical selections:

Selected Options	Pay as You Go 70 mins; 50 sms; 1GB	Monthly 1280Allnet mins; 500 sms; 10GB
Basket Total Price	TZS 12,042	TZS 30,000

Conclusion: PAYG cheaper than all the available options



Step 1: Operator: Vodacom
Step 2: Selected plan: Pay as You Go

Pay as You Go	per GB	per minute	per SMS
Price	0.0091KB*1024*1024 = 9,542	0.5*60 = 30	8

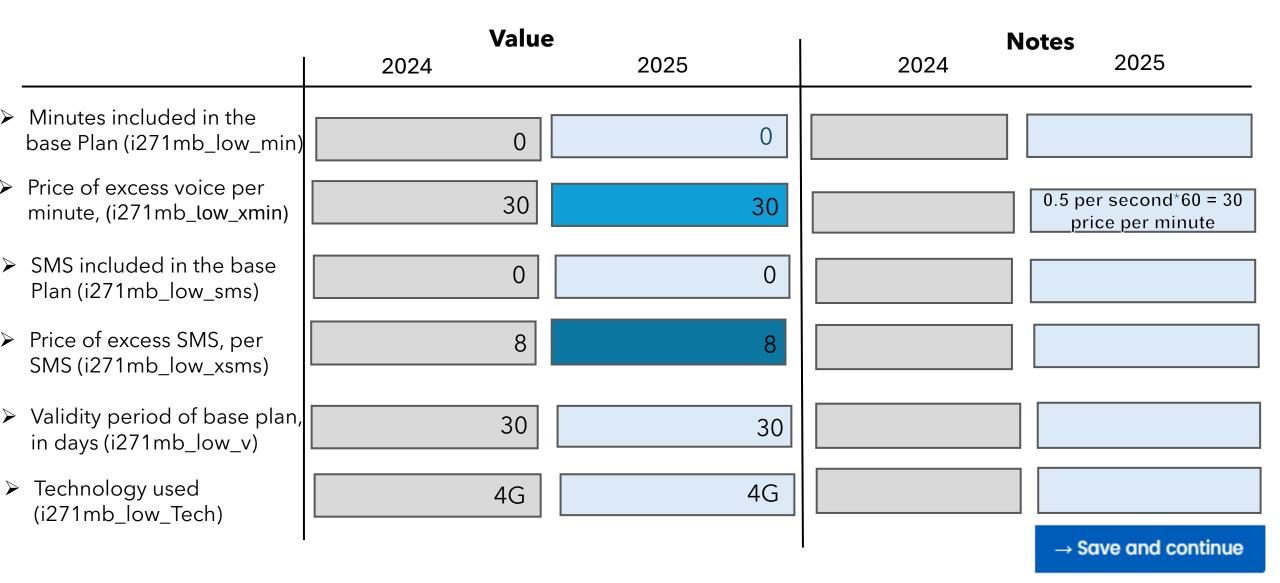
Step 3: Data entry in the questionnaire

From among the available plans offered by the largest operator, please provide the base plan information **Imp:** 2024 data are for reference and cannot be changed.

	Valu 2024	1e 2025	2024	Notes 2025
 Name of Plan (i271mb_low_Plan) 	Prepaid	Pay as You Go		
Link to base plan or subscription and/or add- ons (i271mb_low_link)	https://Vodacom.co	https://Vodacom.com		
 Price of base Plan (i271mb_low_bs) 	0	0		
Base Plan data cap, in GB (i271mb_low_c)	0	0		
 Price of excess price, per GB (i271mb_low_cp). 	9.31	9,542		0.0091*1024 = 9.31MB * 1024 = 9,542 price for 1 GB
	the excess price	is per GB not per MB		contd

Step 2: Selected plan: Pay as You Go

Pay as You Go	per GB	per minute	per SMS
Price	0.0091KB*1024*1024 = 9542	0.5*60 = 30	8

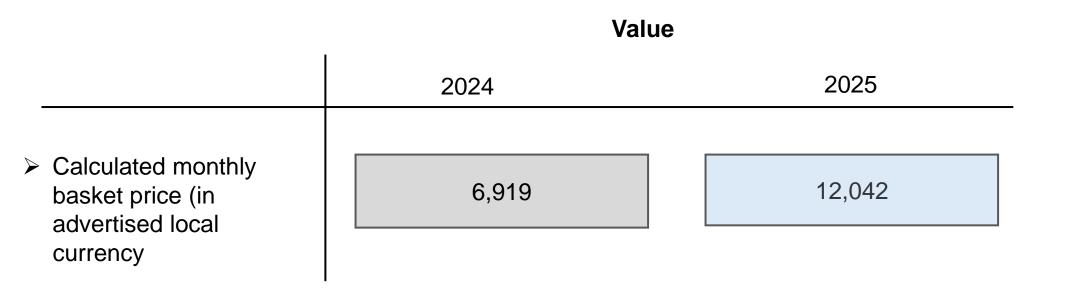


Are one or more add-ons packages necessary to reach the 70 mins, 50 SMS and 1 GB, and /or 4 weeks/30 days validity period thresholds?

- Yes, add-ons are necessary to meet basket requirements
- No, add-ons are not needed

Thank you for completing the information for the Data and voice low-consumption basket (70 MIN + 50 SMS + 1 GB)

As a final step, please indicate here the total monthly charge of the Data and voice low-consumption basket.



Please note that the basket total for 2024 refers to the old methodology of 70 min + 20 SMS+ 500 MB consumption

Imp! Upload screenshot, Terms and Conditions for the tariff, or any relevant supporting evidence

You have the possibility to upload **two** files (pdf/doc/png/jpg/xls/xlsx)



Add here any other notes related to the calculation of the data and voice low-consumption basket (70 MIN + 50 SMS + 1 GB) price



2.1 MTN TALK (VOICE BUNDLES)

- <u>Description</u> : Offre permettant aux clients d'effectuer des appels vers tous les réseaux (locaux et internationaux) et d'envoyer des SMS en local.
- **<u>Cible</u>** : Tous les clients prépayés
- <u>Conditions d'éligibilité</u> : Les clients des plans tarifaires : MTN Go
- Fonctionnement et parcours client : Pour accéder aux forfaits : *123*16#

Pour consulter le solde des forfaits : *123*16*99∰ Pour configurer le renouvellement automatique : *123*16*100∯

Pour configurer les numéros préférés : *165#

☑ ✓ Contenu de l'offre :		~	Contenu	de	l'offre	:
--------------------------	--	---	---------	----	---------	---

Forfaits	Prix (FCFA)	Validité	Bonus Appels (FCFA)	Bonus SMS	Add-on	Tarifs
Voice Jour 100	100	24 Heures	300	20		Voice On Net: 1.5F/s Voice Off Net: 2F/s
Voice Jour 250	250	24 Heures	750	20		Voice Oil Net: 27/S Voice Nigeria: 5.361F/s Voice WA: 15F/s
Voice Jour 500	500	24 Heures	1,500	30		Voice Europe: 8F/s Voice America-Asia: 3F/s
Voice Semaine 300	300	7 Jours	900	30		Voice CA: 15.315F/s
Voice Semaine 1000	1,000	7 Jours	3,000	100	1 Numéro Préferé*	Voice SEA: 13.875F/s Voice Others 1: 15.315F/s
Voice Semaine 2500	2,500	7 Jours	8,000	100	1 Numéro préferé	Voice Others 2: 30F/s Voice Preferred Number: 0F/s
Voice Mois 600	600	30 Jours	1,800	50		0175
Voice Mois 2000	<mark>2,000</mark>	30 Jours	<mark>7,000</mark>	<mark>250</mark>	<mark>l Numéro</mark> Préferé	SMS On Net: 1U SMS Off Net: 1U

5

Auteur	MTN Cameroun	No. Cameroun	MTNC/MKT/Catal	ogue Offre	es Grand-Public MTN
Document Cameroun	Catalogue Offres Grand-Public MTN	Date	31/01/2022	Rev	vl

Voice Mois 4000	<mark>4,000</mark>	<mark>30 Jours</mark>	<mark>14,500</mark>	<mark>250</mark>	<mark>1 Numéro</mark> Préferé
Voice Mois 12000	12,000	30 Jours	44,000	500	3 Numéros Préferés
Voice Mois 26000	26,000	30 Jours	96,000	500	3 Numéros Préferés

Imp! Upload screenshot, Terms and Conditions for the prices, or any relevant supporting evidence

You have the possibility to upload two files (pdf/doc/png/jpg/xls/xlsx)



Why important?

- Prices are time sensitive
- Operator websites are not up to date
- Frequent updates in the plans offered by the operator
- Some of the plans only accessible by mobile applications

Add here any other notes related to the calculation of the data and voice low-consumption basket (70 MIN + 50 SMS + 1 GB) price

ITU Tip: This information will be very helpful for the ITU team to better understand and validate the submitted data.

Selected plan: Pay as You Go Basket total price: TZS 12,042 (1GB for TZS 9,542; TZS 30 per min; TZS 8 per sms) Includes: 1GB, 70 min, 50 sms

NEW! Mobile data- and voice high-consumption basket (140+20+5)

Example of Tanzania



NEW! Mobile Data and Voice High-Consumption (140 MIN + 20 SMS + 5 GB)

Step 1: Select the operator with the largest market share in terms of any mobile-cellular subscriptions

Step 2: Select the cheapest option of all the available plans on the operator's website

Step 3: Data entry inside the online questionnaire

Possible Scenarios:

- **1. Base plan** (a single plan with sufficient allowance & validity period)
- 2. Base plan + add-on (data/voice/SMS)
- **3.** Base plan x N (taken multiple times to reach the threshold)
- 4. Pay as You Go

Numerical Exercise

NEW! Mobile Data and Voice High-Consumption (140 MIN + 20 SMS + 5 GB)



Step 1: Representative operator already chosen (in this case, Vodacom Tanzania)
 Step 2: Select the cheapest plan of all the available options on the operator's website

Daily	30 Minutes Allnet, 20 SMS	TZS 500			
Daily	150 Minutes Allnet, 20 SMS	TZS 1000			
Daily	150 Minutes Allnet, 20 SMS, 490MB	TZS 2000			
Weekly	200 Minutes Allnet, 50 SMS	TZS 2500			
Weekly	1000 Minutes Allnet, 50 SMS	TZS 5000			
Weekly	460 Minutes Allnet, 50 SMS	TZS 3000			
Weekly	550 Minutes Allnet, 100 SMS, 3GB	TZS 10.000			
Weekly	200 Minutes Allnet, 50 SMS (Autorenewal)	TZS 2500			
Weekly	460 Minutes Allnet, 50 SMS (Autorenewal)	TZS 3000			
Weekly	1000 Minutes Allnet, 50 SMS (Autorenewal)	TZS 5000			
Monthly	1200 Minutes Allnet, 100 SMS	TZS 10.000			
Monthly	3000 Minutes Allnet, 100 SMS	TZS 20.000			
Monthly	1280 Minutes Allnet, 500 SMS, 10GB	TZS 30.000			
Monthly	1200 Minutes Allnet, 500 SMS, 19.9GB	TZS 50.000			
Monthly	1200 Minutes Allnet, 100 SMS (Autorenewal)	TZS 10.000			
Monthly	3000 Minutes Allnet, 100 SMS (Autorenewal)	TZS 20.000			
Source: Vodacom Tanzania, January 2025					

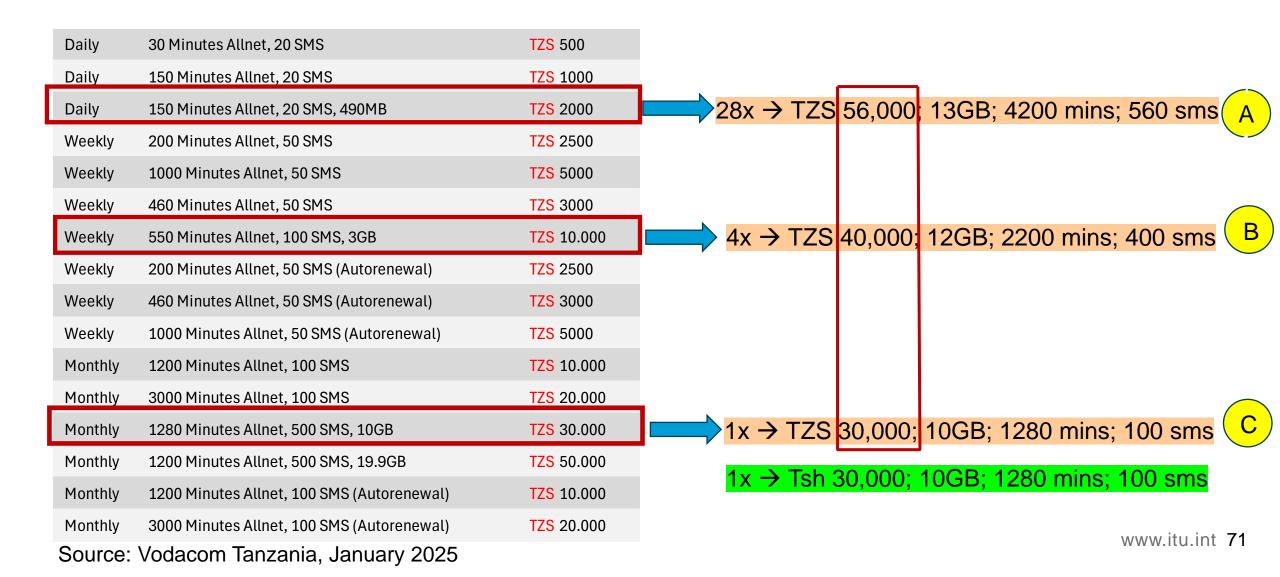
	Pay as You Go
	Calls without bundle to Vodacom will be charged Tsh 0.50 per second and Vodacom to other network Tsh 0.50 per second
ł	Data browsing without bundle will be charged Tsh 0.0091 per KB
	All local SMS without bundle will be charged Tsh 8 per SMS to any network
	* All charges are Tax Inclusive

Validity period: four weeks or 30 days

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NEW! Mobile Data and Voice High-Consumption (140 MIN + 20 SMS + 5 GB)

Step 2: Select the cheapest plan of all the available options on the operator's website



NEW! Mobile Data and Voice High-Consumption (140 MIN + 20 SMS + 5 GB)

(· **+** ·)

Pay as You Go

Calls without bundle to Vodacom will be charged **Tsh 0.50** per second and Vodacom to other network **Tsh 0.50** per second Data browsing without bundle will be charged **Tsh 0.0091** per KB **1 GB=1024 MB= 1024*1024 KB** All local SMS without bundle will be charged **Tsh 8** per SMS to any network

* All charges are Tax Inclusive

PAYG calculation	Price per GB 1GB = 1024MB = 1024KB	per minute	per SMS					
Price	<mark>0.0091KB*1024*1024 = 9542</mark>	0.5 per second*60 = 30	8					
Basket total price = 5x price of1GB +30*1400 (min) +8*20 (sms) = TZS 47710 + TZS 4200 + TZS 160 = TZS 52,070								

NEW! Mobile Data and Voice High-Consumption (140 MIN + 20 SMS + 5 GB)

Compare the most economical selections:

Selected Options	Weekly 550AllNet; 100 sms; 3GB	Monthly 1280Allnet mins; 500 sms; 10GB
Basket Total Price	Weekly 10000*4 times = TZS 40000	TZS 30000

Conclusion:

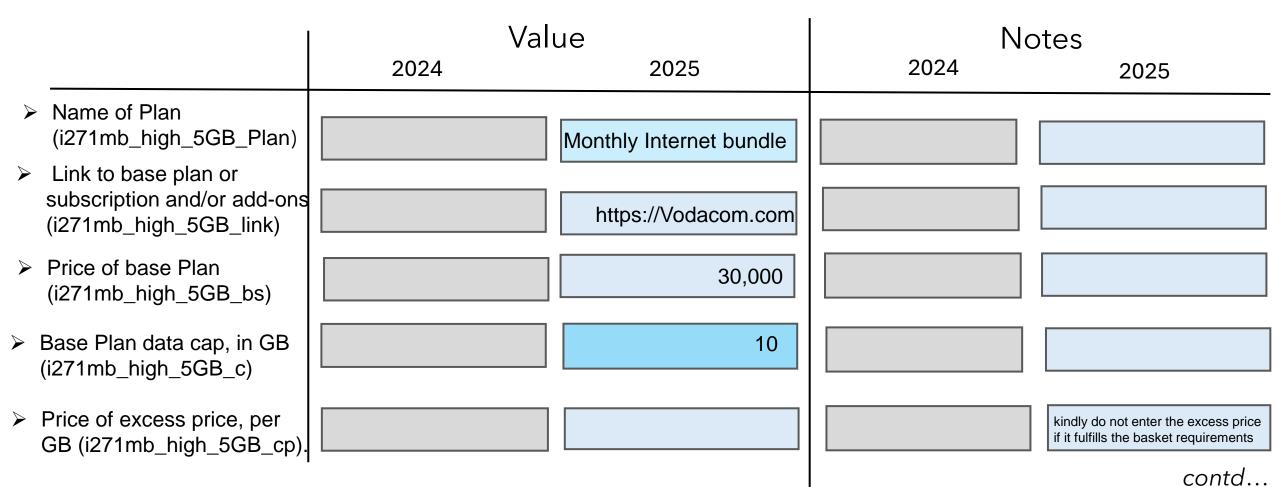
The monthly Internet bundle is cheaper than all the available options that not only meets but exceeds the basket requirements



Step 1: Operator: Vodacom	Monthly Internet	GB	minutes	SMS
Step 2: Selected plan: Monthly Internet bundle	bundle includes			
	Price = TZS 30,000	10	1280	500

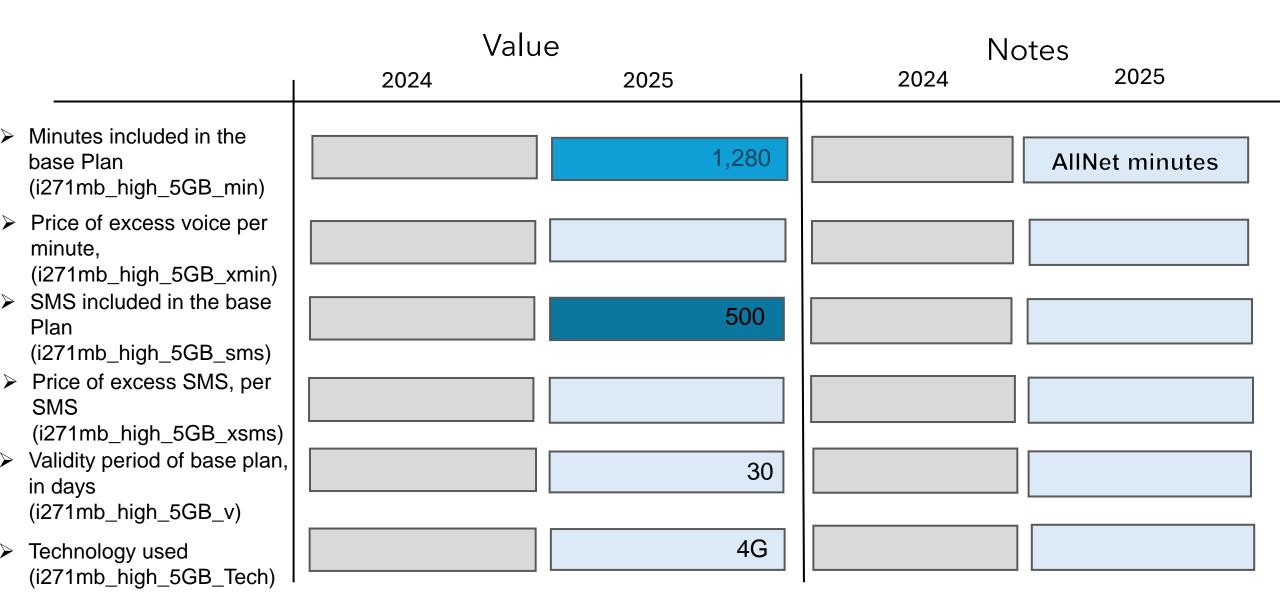
Step 3: Data entry in the questionnaire

From among the available plans offered by the largest operator, please provide the base plan information Please note that, this is a new basket and therefore, we do not have any reference data for the year 2024



Step 2: Selected plan: Monthly Internet bundle

Monthly Internet bundle includes	GB	minutes	SMS
Price = TZS 30,000	10	1280	500





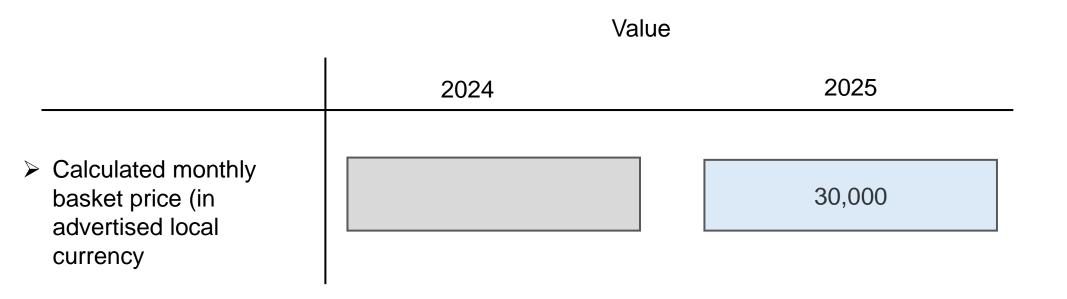
Are one or more add-ons packages necessary to reach the 140 mins, 20 SMS and 5 GB, and /or 4 weeks/30 days validity period thresholds?

Yes, add-ons are necessary to meet basket requirements

No, add-ons are not needed

Thank you for completing the information for the Data and voice high-consumption basket (140 MIN + 20 SMS + 5 GB)

As a final step, please indicate here the total monthly charge of the Data and voice low-consumption basket.



Please note that, this is a new basket and therefore, we do not have any reference data for the year 2024

Imp! Upload screenshot, Terms and Conditions for the prices, or any relevant supporting evidence

You have the possibility to upload two files (pdf/doc/png/jpg/xls/xlsx)



Add here any other notes related to the calculation of the data and voice low-consumption basket (140 MIN + 20 SMS + 5 GB) price

ITU Tip: This information will be very helpful for the ITU team to better understand and validate the submitted data.

Selected plan: Monthly Internet bundle Basket total price: TZS 30,000 (includes 10GB; 1280 AllNet mins; 500 sms)

 \rightarrow Save and continue

Review stage:

Please find a summary of your responses. Click the button to print this page or save it as PDF.

Please press "Continue" to go to the final stage and submission of the questionnaire.

Main contact for this questionnaire:

Name: Ms. Nehal Desai Title: Manager Organisation: ITU Phone: +41 XX XXX XXXX Email addresses: nehal.desai@itu.int

FIXED-BROADBAND BASKET 5GB

Name of ISP and tax rate

≡

	2024	2025		
➤ Fixed broadband, name of ISP (i4213_508_ISP)	TTCL	TTCL		
notos		fsf		
Upload file for largest market share	na.			
▶ Fixed broadband, tax rate (i4213Tax)	32.5	21		
notes		GWF		
Plan details				

	2024	2025		
▶ Name of Plan (i4213_568_Plan)	T-Volume 20GB	30GB Plan		
notes		a new plan introduced		
▶ Link to plan (i4213_5GB_Link)	https://www.ttcl.co.tz/t-volume	https:////		
notes				
▶ Connection charge (i4213_56B_bc)	٥	0		
notes				
▶ Monthly subscription charge (i4213_5GB_bs)	10000	25000		
notes				
➤ Connection speed, in Mbit/s (i4213_568_bs_s)	12	20		
notes				
▶ Technology used (i4213_568_Tech)	ADSL, copper	ADSL		
notes				
Data cap				

END OF QUESTIONNAIRE

If you feel comfortable about the responses you have provided, please click <u>Submit</u> to finish the questionnaire.

Following your submission, all recipients of this questionnaire will receive an email with a summary of your responses.

Previous page

Very Important otherwise ITU will not receive the country submission



Thank you for your attention!

For questions and feedback: indicators@itu.int

For more information https://www.itu.int/en/ITU-D/Statistics/Dashboards/Pages/IPB.aspx



Technical Webinar on ICT Price Statistics 12 February 2025 Online

3. Q&A and Interactive Discussion

ITU ICT Data and Analytics Team

Moderator:

Esperanza MAGPANTAY, senior statistician International Telecommunication Union (ITU) ICT Data and Analytics Division





Technical Webinar on ICT Price Statistics 12 February 2025 Online

4. Closing Remarks

Daniel VERTESY, PhD, Economist International Telecommunication Union (ITU) ICT Data and Analytics Division





Closing remarks

- Summary
- Key takeaways
- Next steps



Conclusion

Summary

- For each basket, follow these 4 steps:
 - Select the majority operator if different from last year, please explain
 - Carefully review all available options: prepaid and postpaid plans, PAYG options, add-on packages, assess allowances and validity periods, consider taxes
 - Keep in mind: thresholds are minimum can be overshot;
 - Select the **cheapest** solution and retrieve screenshots
 - Enter all the information (metadata) in the questionnaire and explain the choice and calculation
- Look for retail prices from a [cost-conscious] **consumer's perspective**!

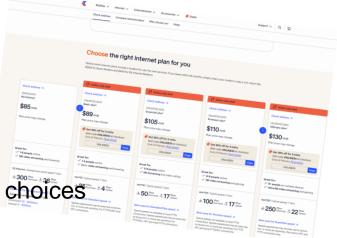
What is advertised on the websites?

Summary (cont'd)

- 2025 Revisions:
 - New allowance thresholds
 - Postpaid options are OK, breakout fees do not count
- ITU will review, compute basket totals in local currency and convert to USD, PPP\$ and calculate GNI p.c. rates;

Key takeaways

- Basket ≠ Plan! ← many solutions to meet basket requirements!
- Add-ons: real add-ons $\leftarrow \rightarrow$ computed total based on PAYG rates
- When in doubt, reach out to the ITU team!
 - If cannot submit: ITU Desk research covers gap
- Prices are time sensitive: please respect the submission deadline!
- Quality assurance: evidence is essential!
 ITU conducts meticulous data verification (takes time!)
 - How can you help?
 Follow carefully the data collection rules
 Provide supporting evidence: screenshots, etc.; explain clearly the choices
 Use <u>Archive.org</u> to take a snapshot of the operator website
 - ITU will reach out in case of questions



Next steps

- Please complete the questionnaire and submit by 23 Feb 2025
- Refer to the new ITU <u>ICT Price Basket Statistics Manual</u> (steps, examples)
- Data validation ITU will reach out



Thank you for your attention!

For questions and feedback: indicators@itu.int

For more information: <u>https://www.itu.int/en/ITU-D/Statistics/Pages/ICTprices/default.aspx</u>



