

ITUEGTI/EGH

ITU Expert Group on Telecommunication/ICT Indicators & ITU Expert Group on Household ICT Indicators

Day 2

Virtual joint EGTI/EGH meeting on the ICT Development Index (IDI)

13-15 June 2023 | 13:00-16:00 (CET)



Updated Agenda

13 June 2023 - Day 1

13:00	Introduction
13:20	Conceptual framework
13:40	Universal connectivity indicators
15:30	Meaningful connectivity indicators
16:00	End of Day 1

14 June 2023 - Day 2

13:00	Meaningful connectivity indicators (continued)
15:15	Universal connectivity indicators (continued), incl. fixed broadband penetration
15:45	Statistical assessment of the proposed indicators
16:15	End of Day 2

15 June 2023 - Day 3

13:00	Normalization, aggregation, and weighting
14:30	Any other feedback on the document
15:30	Conclusion and next steps
16:00	End of Day 3

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Topic: Meaningful connectivity indicators (continued)






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Meaningful connectivity indicators: Affordability

Indicator	
Data-only mobile broadband basket as a percentage of GNI per capita	For discussion
Fixed broadband basket as a percentage of GNI per capita	

ICT price baskets		Minimum monthly allowance		
		Voice (minutes)	SMS (#)	Data
➔ 1	Data-only mobile-broadband basket 	-	-	2 GB
2	Mobile data and voice low-consumption basket 	70	20	500 MB
3	Mobile data and voice high-consumption basket 	140	70	2 GB
4	Mobile-cellular low-usage basket 	70	20	-
➔ 5	Fixed-broadband basket 	-	-	5 GB






Issue for discussion: mobile broadband basket affordability

Issue: selection of basket(s) for mobile broadband affordability

- *Initial proposal:* Data-only mobile broadband basket as a percentage of GNI per capita
- *Summary of issues:* Data and voice baskets (“bundles”) are considered a good alternative to the data-only basket for mobile broadband

- *Options:*

1. Use data-only mobile broadband basket
2. Use data & voice mobile broadband basket (high-consumption or low-consumption)

ICT price baskets		Minimum monthly allowance		
		Voice (minutes)	SMS (#)	Data
1	Data-only mobile-broadband basket 	-	-	2 GB
2	Mobile data and voice low-consumption basket 	70	20	500 MB
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4	Mobile-cellular low-usage basket 	70	20	-
5	Fixed-broadband basket 	-	-	5 GB

Meaningful connectivity indicators: Device

Indicator	
Percentage of individuals owning a mobile phone	For discussion

| Issue for discussion: mobile phone ownership

- *Indicator*. Percentage of individuals owning a mobile phone
- *Issue to discuss*: Should the indicator be included because of its relevance to the conceptual framework, or excluded because of the low data availability (2021: 47 economies; 2020-2021: 59 economies)?
- Initially, the indicator was excluded because of low data availability. Because there was a broad call for inclusion by EGTI and EGH members, the indicator was included in the Version 1 document. However, during the consultation with Member States, some countries objected based on data availability. Therefore, the indicator is discussed here.
- Of note is that estimates have already been made for this indicator to calculate aggregates for *Facts and Figures*, a practice which will be continued in coming years, using an established methodology.

| Meaningful connectivity indicators: ICT skills

- *Individuals with ICT skills* (“direct” measure, best fit to conceptual framework) cannot be included:
 - Low availability
 - Not yet possible to combine into one aggregate skills score
 - Difficult to estimate

| Issue for discussion: ICT skills proxies

Indicator	
Expected years of schooling (school life expectancy)	For discussion
Mean years of schooling (ISCED 1 or higher), population 25+ years	For discussion

Issue for discussion: Use *Expected years of schooling* and *Mean years of schooling* as proxy skills indicators?

Pros	Cons
Important to keep the skills enabler in the framework	Not a good predictor of ICT skills
Through UNDP, good data availability	
Strongly and positively correlated with one another as well as with many of the other indicators	

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**Topic: Universal connectivity indicators
(continued), incl. fixed broadband
penetration**

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Fixed broadband penetration: options considered

Indicator		Pros	Cons
1. Fixed broadband subscriptions per 100 inhabitants	Conceptual	<i>Numerator</i> : a relevant measure of ICT development; <i>Denominator</i> : focus on population useful to identify trends;	Interpretation (ratio, not penetration rate); HHs are main drivers of FBB subscriptions; residential preferred but Micro/S businesses are mostly included at varying rates per country
	Feasibility	<i>Numerator & denominator</i> : near universal availability for time series, timely	-
2. Fixed broadband subscriptions per 100 inhabitants aged 18+	Conceptual	Focus on 18+ lessens disparities in HH size that create comparability issues when using the full pop.	Interpretation not intuitive: does not account for all reasons for differences in HH size
	Feasibility	<i>Numerator & denominator</i> : near universal availability for time series, timely	-
3. Households with fixed broadband access (from HH survey)	Conceptual	From ICT HH survey: Best measure of penetration	Respondents may not understand questions; data usually less timely than admin data
	Feasibility	-	Data unavailable for most countries (21% coverage)
4. Fixed broadband subscriptions per 100 households (from avg. HH size)	Conceptual	Households are key drivers of FBB subscriptions	-
	Feasibility	-	Avg HH size based: harmonized data not available (5% coverage) and outdated; Cannot be estimated by ITU
5. Drop indicator	Conceptual	-	Fixed BB is a relevant indicator of ICT development

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End of day 2

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