

ITU Telecommunication/ICT Indicators – Tariffs and Traffic

30 October 2007

Monika Muylkens
<indicators@itu.int>

Market Information and Statistics (STAT)/Policy and
Strategies (POL)

Bureau for Telecommunication Development
International Telecommunication Union

Overview

- Main Traffic Indicators:
 - Local, national, International
 - Fixed, mobile cellular, Internet
 - Roaming, SMS, MMS
- Main Tariff Indicators:
 - Fixed local, mobile cellular, broadband



Traffic

Fixed telephone traffic

Helping the world communicate



	ITU code	Indicator	Definition
21	1311m	Local fixed telephone traffic (minutes)	Local fixed telephone traffic consists of effective (completed) fixed telephone line traffic exchanged within the local charging area in which the calling station is situated. This is the area within which one subscriber can call another on payment of the local charge (if applicable). This indicator should be reported in the number of minutes.
22	1312m	National (fixed) trunk telephone traffic (minutes)	National (fixed) trunk (toll) traffic consists of effective (completed) fixed national telephone traffic exchanged with a station outside the local charging area of the calling station. The indicator should be reported as the number of minutes of traffic.
22.1	1313wm	National outgoing fixed to mobile traffic (minutes)	Total outgoing minutes from the national fixed network to the mobile cellular network within the territory.
22.2	1311im	Internet Dial-up traffic (minutes)	The total volume in minutes of dial-up sessions over the public switched telephone network to access the Internet.

Fixed telephone traffic

Helping the world communicate



23	132mb	International incoming and outgoing fixed telephone traffic (minutes)	Sum of international incoming and outgoing fixed traffic ($i132m + i132mi$).
23.1	132m	International outgoing fixed telephone traffic (minutes)	This covers the effective (completed) fixed traffic originating in a given country to destinations outside that country. The indicator should be reported in number of minutes of traffic.
23.2	132mi	International incoming fixed telephone traffic (minutes)	Effective (completed) fixed traffic originating outside the country with a destination inside the country. The indicator should be reported in number of minutes of traffic.

Fixed telephone traffic

Helping the world communicate



26	132tb	International incoming and outgoing total telephone traffic (minutes)	Sum of international incoming and outgoing fixed and mobile traffic ($i132t+i132ti$).
26.1	132t	International outgoing total telephone traffic (minutes)	This covers the effective (completed) fixed and mobile traffic originating in a given country to destinations outside that country. The indicator should be reported in terms of number of minutes of traffic.
26.2	132ti	International incoming total telephone traffic (minutes)	Effective (completed) fixed and mobile traffic originating outside the country with a destination inside the country. The indicator should be reported in terms of number of minutes of traffic.

Mobile telephone traffic

Helping the world communicate



24	133wm	Outgoing national mobile minutes	Total number of minutes made by mobile subscribers within a country (including minutes to fixed and minutes to other mobile subscribers) ($i133wm = 1331wm + 1332wm + 1332wmf$).
24.1	1331wm	Outgoing/originating mobile minutes to same mobile network	Number of minutes made by mobile subscribers to the same mobile network (within a country).
24.2	1332wm	Outgoing/originating mobile minutes to other mobile networks	Number of minutes made by mobile subscribers to other mobile networks (within a country).
24.3	1332wmf	Outgoing mobile minutes to fixed networks	Number of national outgoing minutes made by mobile subscribers to fixed networks.

Mobile telephone traffic

Helping the world communicate



25.1	1333w m	Outgoing/ originating mobile minutes to international	Number of mobile minutes originating in a country to destinations outside that country.
25.2	1335w m	Incoming international minutes to mobile network	Number of incoming minutes (fixed and mobile) received by mobile networks from another country.
25.3	1334w m	Roaming minutes (outside home network)	Total number of roaming minutes made by own mobile subscribers to make and receive calls when outside the country (outside home network), e.g., when travelling abroad.

Mobile telephone traffic

Helping the world communicate



25.4	1336wm	Roaming minutes by foreign subscribers	Total number of minutes made by visiting (foreign) subscribers when making and receiving calls within a country.
25.5	133sms	SMS sent	Total number of mobile Short Message Service (SMS) sent, both to national and international destinations.
25.6	133mms	MMS sent	Total number of mobile Multimedia Messaging Service (MMS) sent, both to national and international destinations.
25.7	133rm	Number of countries with which there is a roaming agreement.	Total number of countries, with which there is a roaming agreement. If there are several operators with a different number of roaming agreements, the total number of countries with roaming agreement. For example, if operator 'A' has agreement with country '1', '2', '3', '4', and '5' where as operator 'B' has agreement with country '1', '6', and '7'. The total number of countries with which there is a roaming agreement should be '7'.

Tariffs

Fixed telephone tariffs (residential)

Helping the world communicate



	ITU code	Indicator	Definition
27.1.1	151	Installation fee for Residential telephone Service	Installation (or connection) refers to the one-off charge involved in applying for residential basic telephone service. Where there are different charges for different exchange areas, the charge for the largest urban area should be used and specified in a note.
27.1.2	152	Monthly subscription for residential telephone service	Monthly subscription refers to the recurring fixed charge for subscribing to the PSTN. The charge should cover the rental of the line, but not the rental of the terminal (e.g., telephone set) where the terminal equipment market is liberalized (...)
27.1.3	153	Price of a 3-minute fixed telephone local call (peak rate)	Local call refers to the cost of a peak rate 3-minute call including the call set-up charges if applicable, within the same exchange area using the subscriber's own terminal (i.e., not from a public telephone).
27.1.4	153o	Price of a 3-minute fixed telephone local call (off-peak rate)	Local call refers to the cost of a off peak rate 3-minute call including the call set-up charges if applicable, within the same exchange area using the subscriber's own terminal (i.e., not from a public telephone).

July 2007

Fixed telephone tariffs

Helping the world communicate



27.2.1	151b	Installation fee for business telephone Service	Installation (or connection) refers to the one-off charge involved in applying for business basic telephone service. Where there are different charges for different exchange areas, the charge for the largest urban area should be used and specified in a note.
27.2.2	152b	Monthly subscription for business telephone Service	Monthly subscription refers to the recurring fixed charge for subscribing to the PSTN. The charge should cover the rental of the line but not the rental of the terminal (e.g., telephone set) where the terminal equipment market is liberalized. Separate charges should be stated where appropriate, for first and subsequent lines. If the rental charge includes any allowance for free or reduced rate call units, this should be indicated. If there are different charges for different exchange areas, the largest urban area should be used and specified in a note.
28	153tm	International telephone call prices	This is the cost of a fixed 3-minute directly dialled (i.e., without operator intervention) call originating within the country to another country. The rate should be supplied for peak rate time calls and off-peak (discount) rate calls (if applicable). The cost should be reported in national currency, with a statement on what taxes are applied. International tariffs to all countries should be provided.

Mobile cellular tariffs

Helping the world communicate



29.1	151c	Mobile cellular connection charge	The initial, one-time charge for a new subscription. Refundable deposits should not be counted. Although some operators waive the connection charge, this does not include the cost of the Subscriber Identify Module (SIM) card. The price of the SIM card should be included in the connection charge. A note should indicate whether taxes are included (preferred) or not. It should also be noted if free minutes are included in the plan.
29.2	151pcard	Mobile cellular – cheapest recharge card value	Refers to the cheapest available prepaid recharge card.
29.3	152c	Mobile cellular monthly subscription	The monthly subscription charge for mobile cellular service. Due to the variety of plans available in many countries, it is preferable to use the tariff with the cheapest initiation/connection charge. If prepaid services are used (for those countries that have more prepaid than post-paid subscribers), the monthly subscription charge would be zero. If the plan includes free minutes, this should be put in a note. A note should indicate whether taxes are included (preferred) or not and what the rate is.

Mobile cellular tariffs

Helping the world communicate



29.4	153c	Mobile cellular – price of 3 minute local call (peak)	The price of a <u>three</u> minute peak rate call from a mobile cellular telephone to a mobile cellular subscriber of the same network. A note should indicate whether taxes are included (preferred) or not. It should also be noted if the price refers to a pre-paid or post-paid subscription.
29.5	153co	Mobile cellular – price of 3 minute local call (off-peak)	The price of a three minute off-peak rate local call from a mobile cellular telephone to a mobile cellular subscriber of the same network. A note should indicate whether taxes are included (preferred) or not. It should also be noted if the price refers to a pre-paid or post-paid subscription.
29.6	153sms	Mobile cellular – price of SMS	Price of sending a national Short Message Service (SMS) message from a mobile handset.

Internet tariffs

Helping the world communicate



30.1	4213c	Dial-up Internet connection charge	The initial, one-time charge for a new dial-up Internet connection. Refundable deposits should not be counted. A note should indicate whether taxes are included (preferred) or not.
30.2	4213s	Dial-up Internet monthly Subscription	The monthly subscription charge for dial-up Internet service. A note should indicate whether taxes are included (preferred) or not. The note should also specify the amount of free monthly hours included if applicable.
30.3	4213p	Dial-up Internet - price of per minute (peak) connection	Cost of per minute (peak) connection once the free Internet hours included in the dial-up subscription are used up. A note should indicate whether taxes are included (preferred) or not.
30.4	4213po	Dial-up Internet - price of per minute (off-peak) Connection	Cost of per minute (off-peak) connection once the free Internet hours included in the dial-up subscription is used up. A note should indicate whether taxes are included (preferred) or not.
30.5	4213_t20	Internet access tariff (20 hours per month)	This indicator refers to the lowest price for 20 hours of dial-up Internet usage per month. It includes the tariff components of monthly line rental, line usage charge and Internet access charge, plus any tax that may be levied (as this is a service used by both residential and business consumers). The tariff chosen for a particular country would be the package for 20 hours per month that is the cheapest, that is widely available (or, in the case of regional service providers, is available in the capital city) and is available to the general public without restriction (e.g., excluding in-company or limited time offers, and excluding offers that are bundled with some other service). It assumes 20 sessions per month of average duration of one hour.

Internet tariffs

Helping the world communicate



31.1	4213bc	Broadband Internet connection Charge	The initial, one-time charge for a new broadband Internet connection. Refundable deposits should not be counted. A note should indicate whether taxes are included (preferred) or not.
31.2	4213bs	Broadband Internet monthly Subscription	The monthly subscription charge for broadband Internet service. A note should indicate whether taxes are included (preferred) or not.



International Telecommunication Union

Helping the World Communicate