

(مرفق : أ) وثيقة المؤشرات الأساسية لقطاع الاتصالات وتقنية المعلومات

وثيقة طلب مرئيات العموم حول مؤشرات قطاع الاتصالات وتقنية المعلومات

١٤٣٠/٨/١٧ هـ الموافق ٢٠٠٩/٨/٨ م

Attachment 1: Core ICT Indicators

Public Consultation Document On ICT Indicators

8/8/2009

Introduction:

The below set of core ICT indicators target the licensed Service Providers in the Kingdom of Saudi Arabia. Please follow instructions in section [2.2.1 \(Examples of Feedback\)](#) of the Public Consultation Document on ICT Indicators to submit your feedback.

	Category	Code
1	Fixed Telephone network	C1
2	Internet & Data Services	C2
3	Cellular Mobile services	C3
4	Community Access	C4
5	Traffic	C5
6	Tariff	C6
7	Costs	C7
8	Local Loop Unbundling	C8
9	Staff	C9
10	Revenues	C10
11	Investment	C11

Indic ID #	Indicator	Indicator Definition	Indicator Unit	Source of collection	Public / private (CITC use only)	Calculation Method
C 1. : Fixed Telephone network						
C 1.1	Main fixed telephone lines in operation	A main line is a (fixed) telephone line connecting the subscriber's terminal equipment to the public switched network and which has a dedicated port in the telephone exchange equipment. This term is synonymous with the term main station or Direct Exchange Line (DEL) that are commonly used in telecommunication documents. It may not be the same as an access line or a subscriber. The number of ISDN channels should be included. Fixed wireless subscribers should also be included.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of fixed telephone lines in operation as per the definition. The number should also include the ISDN channels and fixed wireless subscribers (If not, specify in a note)
C1.2	Main telephone line capacity (Total capacity of public switching exchanges installed)	The total capacity of public switching exchanges corresponds to the maximum number of main (fixed) lines that can be connected. This number includes, therefore, main lines already connected and main lines available for future connection, including those used for the technical operation of the exchange (test numbers). The measure should be the actual capacity of the system, rather than the theoretical potential when the system is upgraded or if compression technology is employed.	Quantitative	Service Provider	Public	Calculation method is self explanatory through the definition.

C1.3	Main Fixed telephone lines per 100 inhabitants	The number of telephone lines connecting a customer's terminal equipment to the public switched telephone network (PSTN) and which have a dedicated port on a telephone exchange.	%	Service Provider	Public	This is calculated by dividing the number of PSTN lines by the number of KSA population and multiplying by 100
C1.4	Percent of Main fixed telephone lines for residential use	The proportion of main fixed telephone lines dedicated for residential use.	%	Service Provider	Public	This is calculated by dividing the number of main fixed telephone lines for residential PSTN users to the total number of main fixed telephone lines and multiplying by 100.
C1.5	Percent of Main Fixed telephone lines for business use	The proportion of main fixed telephone lines dedicated for business use.	%	Service Provider	Public	This is calculated by dividing the number of main fixed telephone lines for business PSTN users to the total number of main fixed telephone lines and multiplying by 100.
C1.6	Waiting list for main (fixed) lines	Un-met applications for connection to the Public Switched Telephone Network (PSTN) due to a lack of technical facilities (equipment, lines, etc.). The waiting list should reflect the total number reported by all PSTN service providers in Saudi Arabia.	Quantitative	Service Provider	Private	This is calculated by obtaining the total number of pending applications for connection to PSTN network.
C1.7	Public payphones	Total number of all types of public telephones, including coin- and card-operated and public telephones in call offices.	Quantitative	Service Operator	Public	This is calculated by obtaining the total number of payphones in call offices
C 2. : Internet & Data Services						

C2.1	Total (fixed) Internet subscribers per 100 inhabitants	It refers to the total number of Internet subscribers with fixed access, which includes dial-up and total fixed broadband subscribers: cable modem, DSL Internet subscribers, WiMAX other fixed broadband and leased line Internet subscribers. Only active subscribers that have used the system within a 3 month period of time should be included	%	Service Provider	Public	It is calculated by dividing the number of (fixed) Internet subscribers by the number of KSA population and multiplying by 100
C2.2	Total number of PWLAN locations	It refers to the number of Public Wireless Local Area Network (PWLAN) locations (i.e., hotspots). PWLANs are based on the IEEE 802.1x standard, commonly referred to as WiFi.	Quantitative	Service Provider	Public	This is calculated by obtaining the total number of public WiFi locations
C2.3	Total (fixed) broadband Internet subscribers	A Broadband Internet subscriber is someone who pays for high-speed access to the public Internet. Broadband access is defined as being equal to, or greater than, 256 kbit/s, as the sum of the capacity in both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of broadband internet subscribers.
C2.4	DSL Broadband internet subscribers	It refers to Internet subscribers using Digital Subscriber Line (DSL) technology. DSL is a technology for bringing high-bandwidth information to homes and small businesses over ordinary copper telephone lines. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of DSL broadband internet subscribers.
C2.5	Cable Modem Broadband internet subscribers	It refers to Internet subscribers using modems attached to cable television networks. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions	Quantitative	Service Provider	Public	This is calculated by obtaining the number of cable modem broadband internet subscribers

C2.6	Leased Lines Broadband internet subscribers	It refers to analogue leased line Internet subscribers. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of leased lines broadband internet subscribers
C2.7	FTTx Broadband internet subscribers	It refers to Internet subscribers using FTTx technology. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of FTTx broadband internet subscribers
C2.8	3G/LTE Broadband internet subscribers	It refers to Internet subscribers using 3G or LTE technologies. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of 3G or LTE broadband internet subscribers
C2.9	WiMAX Broadband internet subscribers	It refers to Internet subscribers using WiMAX technology. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of WiMax broadband internet subscribers
C2.10	Internet subscription per access speed	It refers to the proportion of Internet subscription per access speed (128 kbit/s, 256 kbit/s, 512 kbits etc...).	%	Service Provider	Public	It is calculated by dividing the number of broadband internet subscribers for each the download speed by the total number of internet subscribers, and multiplying by 100
C2.11	Total number of leased lines per technology	It refers to the proportion of leased lines per the following technology: ATM, IP VPN, VSAT, Frame relay, MPLS etc...	%	Service Provider	Public	It is calculated by dividing the number of leased lines per each access technology by the total number leased lines, and multiplying by 100

C2.12	VSAT Broadband Internet subscribers	It refers to Internet subscribers using VSAT technologies. Speed should be equal to, or greater than, 256 kbit/s, in one or both directions.	Quantitative	Service Provider	Public	This is calculated by obtaining the number of VSAT broadband internet subscribers
C2.13	National Internet bandwidth	National Internet bandwidth refers to the capacity which backbone operators provision to carry domestic Internet traffic measured in bits per second.	Bit per inhabitants	Service Provider	Public	This is calculated by dividing the amount of national internet bandwidth (in bits) by the KSA population.
C2.14	International Internet Bandwidth	International Internet bandwidth refers to the capacity which backbone operators provision to carry international Internet traffic measured in bits per second.	Bit per inhabitants	Service Provider	Public	This is calculated by dividing the amount of international internet bandwidth (in bits) by the KSA population.
C3: Cellular Mobile services						
C3.1	Active mobile cellular telephone subscribers (ITU Based Definition)	Active Mobile cellular telephone subscribers refer to users of portable telephones subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN. This includes analogue and digital cellular systems, including IMT-2000 (Third Generation, 3G). Post-paid and prepaid subscribers are included. Prepaid subscribers are those that have used their account within a 3 month period of time. Inactive users, which refers to owners of a prepaid card that have not made or received a call within the last 3 months, should be excluded.	Quantitative	Service provider	Public	This is calculated by obtaining the number of active as per ITU based definition
C3.2	Active mobile cellular telephone subscribers (CITC Based Definition)	Active Mobile cellular telephone subscribers refer to users of portable telephones subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN.	Quantitative	Service provider	Public	This is calculated by obtaining the number of active as per CITC based definition

		<p>This includes analogue and digital cellular systems, including IMT-2000 (Third Generation, 3G). Post-paid and prepaid subscribers are included. Prepaid subscribers are those that have used their account within a 3 month period of time. Inactive users, which refers to owners of a prepaid card that have not made any paid activity within the last 3 months, should be excluded. Paid activities include making calls, sending messages, using mobile while roaming, or using Internet through mobile</p> <p>Paid activities include making calls, sending messages, using mobile while roaming, or using Internet through mobile</p>				
C3.3	Mobile Cellular Subscribers per 100 inhabitants	<p>The number of mobile telephone subscribers of a public mobile telephone service and which provides access to Public Switched Telephone Network (PSTN) using cellular technology. The technology includes analogue and digital cellular systems. It includes subscribers to IMT-2000 (Third Generation, 3G), and both post-paid and pre-paid users. Subscribers to public mobile data services or radio paging services are not included.</p>	%	Service Provider	Public	<p>This is a ratio calculated by dividing the number of mobile cellular subscribers by the number of KSA population and multiplying by 100.</p>
C3.4	Percent coverage of mobile cellular network (land area)	<p>The proportion of total mobile cellular coverage of the land area.</p>	%	Service Provider	Public	<p>This is a ratio calculated by dividing the land area covered by a mobile cellular signal by the total land area of Saudi Arabia and multiplying by 100.</p>

C3.5	Percent coverage of mobile cellular network (population)	The mobile cellular coverage by population. This indicator measures the percentage of inhabitants that are within range of a mobile cellular signal, irrespective of whether or not they are subscribers.	%	Service Provider	Public	This is calculated by dividing the number of inhabitants within range of a mobile cellular signal by the total KSA population and multiplying by 100.
C3.6	Mobile Satellite subscribers	It refers to the number of users of satellite telephone	Quantitative	Service Provider	Public	This is calculated by obtaining the total number of mobile satellite subscribers
C3.7	Mobile Cellular pre-paid subscribers	It refers to the total number of mobile cellular subscribers using prepaid cards. These are subscribers, registered in the HLR, that rather than paying a fixed monthly subscription fee, choose to purchase blocks of usage time.	Quantitative	Service Provider	Public	This is calculated by obtaining the total number of mobile cellular pre-paid subscribers
C3.8	Total number of subscribers to low and medium speed access to data communications	It refers to the number of mobile cellular subscribers with access to data communications (e.g., Internet) at low speeds below 256 kbit/s (e.g., GPRS, CDMA 1x (Release 0) etc). WAP and i-mode are services that are enabled by these data communications technologies. These services are typically referred to as 2.5G, although, in the case of CDMA 1x (Release 0), they may also be part of the ITU's IMT-2000 family of 3G services. These include: -General Packet Radio Service (GPRS), a 2.5G mobile standard typically adopted by GSM operators as a migration step towards 3G (W-CDMA).	Quantitative	Service Provider	Public	This is calculated by obtaining the total number of mobile subscribers with access to data communication through low and medium speeds

		<p>-Wireless Application Protocol (WAP), a protocol for wireless communications that makes it possible to create advanced telecommunications services and to access Internet pages from a mobile telephone.</p> <p>-i-mode, a packet-based means of wireless data transfer and uses Compact Wireless Markup Language (CWML) instead of WAP's WML for data display. i-mode was introduced in Japan in 1999 and was an early method available to browse the Web from a cellular phone.</p> <p>-CDMA 1x (Release 0) is a part of the IMT-2000 family of standards and provides an upgrade for CDMA users, but typically has a capacity of below 256 kbit/s.</p>				
--	--	--	--	--	--	--

C3.9	Number of cellular mobile subscribers with access to data communications at broadband speeds	<p>It refers to the number of subscribers to cellular mobile networks with access to data communications (e.g. the Internet) at broadband speeds (here defined as greater than or equal to 256 kbit/s in one or both directions)* such as WCDMA, HSDPA, CDMA2000 1xEV-DO, CDMA 200 1xEV-DV etc. These services are typically referred to as 3G or 3.5G and include:</p> <ul style="list-style-type: none"> - Wideband CDMA (W-CDMA), an IMT-2000 3G mobile network technology, based on CDMA that presently delivers packet-switched data transmission speeds up to 384 kbit/s and up to 2 Mbit/s when fully implemented. Known as Universal Mobile Telecommunications System (UMTS) in Europe. - High-speed Downlink Packet Access (HSDPA), an upgrade to W-CDMA to allow downlink data transmission at speeds of typically 8-10 Mbit/s. It is complemented by High-Speed Uplink Packet Access (HSUPA), which offers uplink speeds of around 5 Mbit/s. - CDMA2000 1xEV-DO (Evolution, Data Optimised), an IMT-2000 3G mobile network technology, based on CDMA that delivers packet-switched data transmission speeds of up to 4.9 Mbit/s. 	Quantitative	Service Provider	Public	This is calculated by obtaining the total number of cellular mobile subscribers with access to data communication through broadband speeds
C4 : Community Access						

C4.1	Total number of public Internet access centers (PIAC)	A public Internet access center (PIAC) is a site, location, center of instruction at which Internet access is made available to the public, on a full-time or part-time basis. This may include digital community centers, Internet cafés, libraries, education centers and other similar establishments, whenever they offer Internet access to the general public. All such centers should have at least one public computer for Internet access.	Quantitative	Service Operator	Public	This is obtained by the total number of PIAC centers that have at least one public computer for internet access.
C4.2	Percentage of localities with public Internet access centers (PIAC)	A public Internet access center (PIAC) is a site, location, center of instruction at which Internet access is made available to the public, on a full-time or part-time basis. This may include tele-centers, digital community centers, Internet cafés, libraries, education centers and other similar establishments, whenever they offer Internet access to the general public. All such centers should have at least one public computer for Internet access. Localities refer to a Saudi Arabia's villages, towns and cities.	%	Service Operator	Public	This is calculated by dividing the number of localities with at least one PIAC by the total number of Saudi Arabia's localities and multiplying by 100
C5: Traffic						
C5.1	Local fixed telephone traffic	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).	Minutes	Service Operator	Public	This is calculated by obtaining the number of local fixed telephone traffic in minutes

C5.2	National (fixed) trunk telephone traffic	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.	Minutes	Service Operator	Public	This is calculated by obtaining the number of national (fixed) trunk telephone traffic in minutes
C5.3	SMS sent	Total number of mobile Short Message Service (SMS) sent, both to national and international destinations.	Quantitative	Service Operator	Public	This is calculated by obtaining the number of mobile SMS sent
C5.4	MMS sent	Total number of Multimedia Messaging Service (MMS) sent, both to national and international destinations	Quantitative	Service Operator	Public	This is calculated by obtaining the number of mobile MMS sent
C5.5	National outgoing fixed to mobile traffic	Total outgoing minutes from the national fixed network to the mobile cellular network within the territory.	Minutes	Service Operator	Private	This is calculated by obtaining the number of national outgoing fixed to mobile traffic in minutes
C5.6	Internet Dial-up traffic	The total volume in minutes of dial-up sessions over the public switched telephone network to access the Internet.	Minutes	Service Operator	Public	This is calculated by obtaining the number of internet Dial-up traffic in minutes
C5.7	International outgoing fixed telephone traffic	This covers the effective (completed) fixed traffic originating in Saudi Arabia to destinations outside that Saudi Arabia.	Minutes	Service Operator	Public	This is calculated by obtaining the number of international outgoing fixed telephone traffic in minutes
C5.8	International incoming fixed telephone traffic	Effective (completed) fixed traffic originating outside Saudi Arabia with a destination inside Saudi Arabia	Minutes	Service Operator	Public	This is calculated by obtaining the number of international incoming fixed telephone traffic in minutes

C5.9	Outgoing national mobile minutes (on-net and off-net)	Total number of minutes made by mobile subscribers within Saudi Arabia (including minutes to fixed and minutes to other mobile subscribers)	Minutes	Service Operator	Private	This is calculated by obtaining the number of outgoing national mobile minutes (on-net and off-net)
C5.10	Outgoing/originating mobile minutes to same mobile network (on-net)	Number of minutes made by mobile subscribers to the same mobile network within Saudi Arabia	Minutes	Service Operator	Private	This is calculated by obtaining the number of outgoing mobile minutes to same mobile network
C5.11	Outgoing/originating mobile minutes to other mobile networks (off-net)	Number of minutes made by mobile subscribers to other mobile networks within Saudi Arabia	Minutes	Service Operator	Private	This is calculated by obtaining the number of outgoing mobile minutes to other mobile networks
C5.12	Outgoing mobile minutes to fixed networks	Number of national outgoing minutes made by mobile subscribers to fixed networks.	Minutes	Service Operator	Private	This is calculated by obtaining the number of outgoing mobile minutes to fixed networks
C5.13	Outgoing/originating mobile minutes to international	Number of mobile minutes originating in a Saudi Arabia to destinations outside Saudi Arabia	Minutes	Service Operator	Private	This is calculated by obtaining the number of outgoing mobile minutes to international
C5.14	Incoming international minutes to mobile network	Number of incoming minutes (fixed and mobile) received by mobile networks from another country.	Minutes	Service Operator	Private	This is calculated by obtaining the number of incoming international minutes to mobile network

C5.15	Roaming minutes (outside Saudi Arabia network)	Total number of roaming minutes made by own mobile subscribers to make and receive calls when outside Saudi Arabia (outside Saudi Arabia network), e.g., when travelling abroad	Minutes	Service Operator	Private	This is calculated by obtaining the number of roaming minutes
C5.16	Roaming minutes by foreign network subscribers	Total number of minutes made by foreign network subscribers when making and receiving calls within Saudi Arabia. Note: foreign network are any service provider non-licensed in Saudi Arabia	Minutes	Service Operator	Private	This is calculated by obtaining the number of roaming minutes by foreign network subscribers
C5.17	Number of countries with at least one roaming agreement	Total number of countries, with which there is at least one roaming agreement.	Quantitative	Service Operator	Private	This is calculated by obtaining the number of countries with at least one roaming agreement
C5.18	International outgoing total telephone traffic	This covers the total fixed and mobile traffic to destinations outside Saudi Arabia.	Minutes	Service Operator	Public	This is calculated by obtaining the number of international outgoing total telephone traffic in minutes
C5.19	International incoming total telephone traffic	Effective (completed) fixed and mobile traffic originating outside Saudi Arabia with a destination inside Saudi Arabia	Minutes	Service Operator	Public	This is calculated by obtaining the number os international incoming total telephone traffic in minutes
C6 : Tariff						
C6.1	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.	SAR	Service Provider	Public	This is calculated by obtaining the installation fee for residential telephone service

C6.2	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. 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.	SAR	Service Provider	Public	This is calculated by obtaining the monthly charge for subscription for residential telephone service
C6.3	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).	SAR	Service Provider	Public	This is calculated by obtaining the price of a peak rate 3-minute call including the call set-up charges if applicable within the same exchange area.
C6.4	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).	SAR	Service Provider	Public	This is calculated by obtaining the price of a off peak rate 3-minute call including the call set-up charges if applicable, within the same exchange area

C6.5	Price of a 3-minute fixed telephone national call (peak rate)	It correspond to the average costs (if the cost differs from city to city or region to region) of a peak rate 3-minute fixed telephone national call	SAR	Service Provider	Public	This is calculated by obtaining the average costs of a peak rate 3-minute fixed telephone national call
C6.6	Price of a 3-minute fixed telephone national call (off-peak rate)	It corresponds to the average cost (if the cost differs from city to city or region to region) of an off-peak rate 3-minute fixed telephone national call	SAR	Service Provider	Public	This is calculated by obtaining the average cost of an off-peak rate 3-minute fixed telephone national call
C6.7	International telephone call prices (peak and off-peak)	This is the cost of a fixed 3-minute directly dialled (i.e., without operator intervention) call originating within Saudi Arabia to another country. The rate should be supplied for peak rate time calls and off-peak (discount) rate calls (if applicable). International tariffs to all countries should be provided.	SAR	Service Provider	Public	This is calculated by obtaining the list of prices of a fixed 3-minute directly dialled International telephone calls to all countries
C6.8	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.	SAR	Service Provider	Public	This is calculated by obtaining the installation fee for business telephone service

C6.9	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.	SAR	Service Provider	Public	This is calculated by obtaining the monthly charge for subscription for business telephone service
C6.10	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. It should also be noted if free minutes are included in the plan.	SAR	Service Provider	Public	This is calculated by obtaining the mobile cellular connection charge
C6.11	Mobile cellular - cheapest recharge card value	It refers to the cheapest available prepaid recharge card.	SAR	Service Provider	Public	This is calculated by obtaining the value of the cheapest available prepaid recharge card.
C6.12	Mobile cellular monthly subscription	The monthly subscription charge for mobile cellular service. 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.	SAR	Service Provider	Public	This is calculated by obtaining the monthly subscription charge of cellular service

C6.13	Price of national SMS	It refers to the price of sending a national Short Message Service (SMS) message (excluding SMS payment) from a mobile handset.	SAR	Service Provider	Public	This is calculated by obtaining the price of national SMS
C6.14	Price of international SMS	It refers to the price of sending an international Short Message Service (SMS) message (excluding SMS payment) from a mobile handset.	SAR	Service Provider	Public	This is calculated by obtaining the price of international SMS
C6.15	Price of national MMS	It refers to the price of sending a national Multimedia Message Service (MMS) message from a mobile handset.	SAR	Service Provider	Public	This is calculated by obtaining the price of national MMS
C6.16	Price of international MMS	It refers to the price of sending an international Multimedia Message Service (MMS) message from a mobile handset.	SAR	Service Provider	Public	This is calculated by obtaining the price of international MMS
C6.17	Price of 3 minute local call (peak)	The price of a three minute peak rate call from a mobile cellular telephone to a mobile cellular subscriber of the same network. It should be noted if the price refers to a pre-paid or post-paid subscription.	SAR	Service Provider	Public	This is calculated by obtaining the price of a three minute peak rate call from a mobile cellular telephone to a mobile cellular subscriber of the same network.

C6.18	Price of 3 minute mobile 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. It should be noted if the price refers to a pre-paid or post-paid subscription.	SAR	Service Provider	Public	price of a three minute off-peak rate This is calculated by obtaining the price of a three-minute call from a mobile cellular telephone to a mobile cellular subscriber of the same network
C6.19	Price of 3 minute mobile international call (peak and off-peak)	The price of a three minute international call from a mobile cellular telephone. The rate should be supplied for peak rate time calls and off-peak (discount) rate calls (if applicable). International tariffs to all countries should be provided.	SAR	Service Provider	Public	This is calculated by obtaining the list of prices of a three minute international call from a mobile cellular telephone. The rate should be supplied for peak rate time calls and off-peak (discount) rate calls (if applicable) for all countries.
C6.20	Dial-up Internet connection charge	The initial, one-time charge for a new dial-up Internet connection.	SAR	Service Provider	Public	This is calculated by obtaining the initial charge for a new dial-up connection
C6.21	Dial-up Internet monthly subscription	The monthly subscription charge for dial-up Internet service. A note should specify the amount of free monthly hours included if applicable.	SAR	Service Provider	Public	This is calculated by obtaining the monthly subscription charge for dial-up service

C6.22	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.	SAR	Service Provider	Public	This is calculated by obtaining the cost of per minute (peak) dial-up connection once the free hours are used up.
C6.23	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 are used up.	SAR	Service Provider	Public	This is calculated by obtaining the cost of per minute (off-peak) dial-up connection once the free hours are used up.
C6.24	Internet access tariff (20 hours per month)	It 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	SAR	Service Provider	Public	This is calculated by obtaining the lowest price for 20 hours of dial-up Internet usage per month.
C6.25	Broadband Internet connection charge	The initial, one-time charge for a new broadband Internet connection.	SAR	Service Provider	Public	This is calculated by obtaining the initial charge for a new broadband connection
C6.26	Broadband Internet monthly subscription (post-paid)	The monthly subscription charge for post-paid broadband Internet service (speeds equal to or greater than 256 kbit/s)	SAR	Service Provider	Public	This is calculated by obtaining the monthly charge for post-paid broadband Internet service

C6.27	Fixed Broadband Internet access tariffs	Fixed broadband Internet access tariffs are the lowest sampled cost in SAR per 100 kbit/s per month and are calculated from two different broadband prices, low and high speed monthly ISP charges. Low speed monthly charge refers to a typical 'entry-level' broadband lower speed connection (download speeds of 256 – 1,024 kbit/s). High speed monthly charge refers to a faster and typically more expensive offer. Monthly charges do not include installation fees nor modem rentals. The lowest sampled cost in SAR per 100 kbit/s is the most cost-effective offer for a country based on the criterion, the 'lowest cost per 100 kbit/s'. The cost per 100 kbit/s is calculated by dividing the monthly subscription charge in SAR by the theoretical download speed, and then multiplying by 100.	SAR	Service Operator	Public	Calculation method is self explanatory through the definition.
C6.28	Mobile cellular prepaid tariffs	Mobile cellular prepaid tariffs are based on the methodology of the OECD monthly low-user basket adopted by UNCTAD & ITU: The basket of mobile telephone charges (low usage) includes subscription and usage (360 voice calls, 396 SMS messages and 8 MMS, distributed between peak and off-peak hours and based on an average call duration) over a one-year period. Calling patterns for the 360 voice calls throughout the year should reflect the operator's ratios for calls made on net off-net or to a fixed line. USD purchasing power parities (PPP) should be used to aid international comparisons.	USD	Service Operator		Calculation method is self explanatory through the definition.
C7 :Costs						

C7.1	Costs of International capacities	It corresponds to the costs for telecommunication operators to acquire international bandwidth per technology. It usually refers to the cost of submarine cable capacities purchased by operators or VSAT bandwidth capacities purchased.	SAR per Megabit	Service Provider	Private	This is calculated by obtaining the costs to acquire international circuits per Megabit.
C8 :Local Loop Unbundling						
C8.1	Unbundled Local Loops that are not offered	The Indicator measures the number of lines needed by existing operators that are not offered by the incumbent	Quantitative	Service Operator	Private	This is calculated by obtaining the total number of lines needed by existing operators that are not offered by the incumbent
C8.2	Unbundled Local Loops offered	The Indicator measures the number of unbundled lines that can be offered by the incumbent.	Quantitative	Service Operator	Private	This is calculated by obtaining the number of unbundled lines that can be offered by the incumbent.
C8.3	Unbundled Local Loops leased	The Indicator measures the number of effectively leased unbundled lines by the incumbents to existing operators.	Quantitative	Service Operator	Private	This is calculated by obtaining the number of effectively leased unbundled lines by the incumbents
C9 : Staff						
C9.1	Total full-time telecommunication staff	Total full-time staff employed by telecommunication network operators in Saudi Arabia for the provision of public telecommunication services, including mobile services. Part-time staff should be expressed in terms of the full-time staff equivalent	Quantitative	Service Operator	Public	This is calculated by obtaining the total number of full-time telecommunication staff

C9.2	Mobile telecommunication staff	Total number of staff employed by mobile cellular network operators. This refers to mobile operators' staff only, and not staff employed by resellers.	Quantitative	Service Operator	Public	This is calculated by obtaining the total number of telecommunication staff
C9.3	Fixed service staff	Total number of fixed staff employed by operators	Quantitative	Service Operator	Public	This is calculated by obtaining the total number of fixed staff employed
C9.4	Data service staff	Total number of Internet staff employed by operators	Quantitative	Service Operator	Public	This is calculated by obtaining the total number of Internet staff
C10: Revenues						
C10.1	Total revenue from all telecommunication services	This is the total (gross) telecommunication revenue earned from all (fixed, mobile and data) services within the country. This should exclude revenues from non-telecommunications services. Revenue (turnover) consists of telecommunication service earnings during the financial year under review. Revenue should not include monies received in respect of revenue earned during previous financial years, neither does it include monies received by way of loans from governments, or external investors, nor monies received from repayable subscribers' contributions or deposits. Revenues should be net of royalties.	SAR	Service Provider	Private	This is calculated by obtaining the total telecommunication revenue earned from all telecommunication services within KSA
C10.2	Mobile data revenues	Revenues during the financial year under review from mobile data services such as text messaging (SMS), multimedia messaging (MMS), high-speed network access, WAP use, Mobile Internet etc...	SAR	Service Provider	Private	This is calculated by obtaining the revenue earned from mobile data services

C10.3	Text and multimedia messaging revenues	Revenues during the financial year under review from text messaging and multimedia messaging (SMS and MMS).	SAR	Service Provider	Private	This is calculated by obtaining the revenue earned from SMS and MMS
C10.4	Revenue from data services	Revenues during the financial year under review from data services such as data communications (e.g., packet switching) but not telegram or telex.	SAR	Service Provider	Private	This is calculated by obtaining the revenue earned from all data services
C10.5	Revenue from Internet services	Revenue during the financial year under review from Internet service based on applicable retail charges on users.	SAR	Service Provider	Private	This is calculated by obtaining the total revenue from Internet services
C10.6	Revenue from fixed telephone service	Revenue during the financial year under review received from fixed telephone connection, subscription and calls.	SAR	Service Provider	Private	This is calculated by obtaining the total revenue from fixed telephone service
C10.7	Revenue from fixed telephone connection charges	Revenue during the financial year under review received for connection (installation) of fixed telephone service.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed telephone connection charges
C10.8	Revenue from fixed telephone subscription charges	Revenues during the financial year under review from recurring charges for subscription to the PSTN including equipment rentals where relevant	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed telephone subscription charges
C10.9	Revenue from fixed telephone calls	The sum of income from local, national long distance and international calls. (during the financial year under review)	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed telephone calls

C10.10	Revenue from local calls	Revenue during the financial year under review from fixed local calls based on applicable retail charges on users.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed local calls
C10.11	Revenue from national calls	Revenue during the financial year under review from fixed national calls based on applicable retail charges on users.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed national calls
C10.12	Revenue from international calls	Revenue during the financial year under review from fixed international calls based on applicable retail charges on users.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed international calls
C10.13	Revenue from mobile communications	Revenues during the financial year under review from the provision of all types of mobile communications services such cellular, private trunked radio and radio paging.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from all types of mobile communications services
C10.14	Revenue from leased lines	Revenue during the financial year under review from the provision of leased lines.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from leased lines
C10.15	Revenue from fixed value-added telecommunication services	Represents the revenue generated by the telecommunication service sector for fixed value-added telecommunication services (for example, call forwarding, conference call, detailed billing etc) during the financial year under review.	SAR	Service Provider	Private	This is calculated by obtaining the revenue from fixed value-added telecommunication services

C10.16	Revenue from Interconnection and Roaming services	Represents the revenue from charging other operators for interconnection and roaming services during the financial year under review	SAR	Service Provider	Private	This is calculated by obtaining the revenue from charging other operators for interconnection and roaming services
C11 : Investment						
C11.1	Total annual investment in telecom	Also referred to as annual capital expenditure, this is the gross annual investment in telecom (including fixed, mobile and other services) for acquiring property and network. The term investment means the expenditure associated with acquiring the ownership of property (including intellectual and non-tangible property such as computer software) and plant. This includes expenditure on initial installations and on additions to existing installations where the usage is expected to be over an extended period of time. Note that this applies to telecom services that are available to the public, and excludes investment in telecom software or equipment for private use.	SAR	Service Operator	Public	This is calculated by obtaining the total annual investment in telecom
C11.2	Fixed telephone service investment	Annual investment on equipment for fixed telephone service.	SAR	Service Operator		This is calculated by obtaining the annual investment on equipment for fixed telephone service.

C11.3	Mobile communication investment	Annual investment on equipment for mobile communication networks.	SAR	Service Operator	Public	This is calculated by obtaining the annual investment on equipment for mobile communication networks.
C11.4	Data communication investment	Annual investment on equipment for data communication networks	SAR	Service Operator	Public	This is calculated by obtaining the annual investment on equipment for data communication networks
C11.5	Telecommunication investment on DSL technology	Annual investment spent by operators on DSL technology	SAR	Service Operator	Public	This is calculated by obtaining the annual investment spent by operators on DSL technology
C11.6	Telecommunication investment on Fiber technology	Annual investment spent by operators on Fiber technologies	SAR	Service Operator	Public	This is calculated by obtaining the annual investment spent by operators on Fiber technologies
C11.7	Telecommunication investment on WiMAX technology	Annual investment spent by operators on WiMAX technology	SAR	Service Operator	Public	This is calculated by obtaining the annual investment spent by operators on WiMAX technology

C11.8	Telecommunication investment on 3G/LTE technology	Annual investment spent by operators on 3G/LTE technology	SAR	Service Operator	Public	This is calculated by obtaining the annual investment spent by operators on 3G/LTE technology
C11.9	Telecommunication investment on Legacy technology and other technology rather than DSL, Fiber, WiMAX, 3G/LTE	Annual investment spent by operators on Legacy technologies and other technologies rather than DSL, Fiber, WiMAX, 3G/LTE	SAR	Service Operator	Public	This is calculated by obtaining the annual investment spent by operators on Legacy technologies and other technologies rather than DSL, Fiber, WiMAX
C11.10	Foreign investment	Annual investment in telecom coming from foreign sources, also referred to as Foreign Direct Investment (FDI).	SAR	Service Operator	Public	This is calculated by obtaining the annual investment in telecom coming from foreign sources