



File ref: 24-8158

Instructions for the questionnaire Swedish Telecommunications Market first half-year 2024

Read the information about the survey before filling in the information.

The answers are to be submitted via the web questionnaire.

The answers should be submitted no later than 2 September 2024.

COMMERCIAL OPERATIONS

Questionnaire for

**Basis for SMP assessments,
The Swedish Telecommunications Market first half-year 2024,
EU Commission and BEREC**

Question a) If you wish to change the pre-printed information concerning company/organisation name or registration number, you can select this below and enter new information on the next page.

Company/organisation name:	
Company/organisation registration number:	

Question b) Contact information for this questionnaire, Swedish Telecommunications Market

Contact person:	
Telephone:	
E-mail:	

Question c) Which companies are included in the information that you report for the first half-year? Please enter names and registration numbers.

Question d) Which operations have you acquired since 30 June 2023 Indicate whether these are included in this reporting or not.

Question e) Which operations have you sold since 30 June 2023?

Information about the questions: All revenues should be stated in thousands of Swedish krona (SEK)

Please be attentive of which unit is requested. For example questions regarding revenues are to be reported in thousands of SEK. It is always specified if numbers should be presented in thousands.

I confirm that all information regarding revenue is reported in thousands of SEK.	Yes
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Question f) Within which area did you have operations in Sweden during first half-year 2024? Yes/No

Mobile call and data services and mobile broadband:	
Internet subscriptions:	

Question g) If you have answered no on all areas on f), please describe which area of electronic communications you have operations.

MOBILE CALL AND DATA SERVICES AND MOBILE BROADBAND

If you have reported a number of subscriptions for a type of subscription on question 1, you also need to answer the questions about revenues and traffic minutes for the same type of subscriptions. In question 1-5 M2M-subscriptions should not be included.

Question 1: Number of subscriptions[1] for mobile telephony and mobile data (excludes customers of service providers that are not owned by an operator; i.e. indirect customers[2]), distributed by form of subscription and rate. **FWA subscriptions should be included as well as reported separately on question 2. As of 30 June 2024:**

Reported business subscriptions should be connected to the usage of mobile numbers, for example, if a company uses 200 numbers this should be reported as 200 subscriptions.

	Private	Business	Total
Number of mobile telephony subscriptions [1] for voice only [3]: of which active pre-paid cards (3-month rule)[4]: of which contract subscriptions:			
Number of mobile telephony subscriptions [1] for voice and mobile data[5]: of which active pre-paid cards (3-month rule)[4]: of which contract subscriptions:			
Number of mobile subscriptions[1] for mobile data only [7]: of which active pre-paid cards (3-month rule)[4]: of which contract subscriptions (include FWA subscriptions via mobile networks):			
Total number of subscriptions [1] for mobile telephony and data at the end of the period:			
Number of subscriptions that have used services in GSM networks (3-month rule):			
Number of subscriptions that have used services in UMTS networks (3-month rule)[8]:			
Number of mobile subscriptions which have used services in LTE networks[9]:			
Number of mobile subscriptions which have used services in 5G networks:			

Question 2: Number of active FWA subscriptions. See definition. As of 30 June 2024:

Definition of Fixed Wireless Access FWA (all criterias must be fulfilled):

- 1) FWA subscriptions are data transmission subscriptions delivered via mobile networks (for example LTE, 5G).
- 2) FWA subscriptions has allocated certain resource reservation (e.g. frequency band or band width, network slicing or traffic managing) to guarantee adequate level of service for an individual subscription.
- 3) FWA subscriptions are offered with specified lowest data transmission speed and where applicable other quality information (for example highest speed, response time, package loss) in the same way as fixed network subscriptions.
- 4) FWA subscriptions are sold to a particular address, and thus have a fixed point of use.

FWA via Fixed radio access should be reported under Fixed radio in the subform Internet.

	Private	Business	Total
Number of FWA subscriptions (meets the definitions in point 1,2,3 and 4 above):			
Number of FWA subscriptions that meets the definitions in point 1 and 4, but <u>not</u> 2 and 3 above:			
Total number of FWA subscriptions:			
Outgoing and incoming mobile data traffic (GB):			
Comments:			

MOBILE CALL AND DATA SERVICES AND MOBILE BROADBAND

Question 3: Total revenues (thousand SEK) from end users for mobile call and data services[13] [31] for subscriptions in question 1. Revenues from FWA should be included. During first half-year 2024:

Please note that revenues should be stated in thousand SEK

Charges	Private	Business	Total
Fixed charges			
Subscription charges[14]:			
Variable charges			
Total revenues for mobile call and data services from end users:			
<i>of which revenues from contract subscriptions:</i>			
<i>of which revenues from pre-paid cards[4]:</i>			
<i>of which are revenues from subscriptions for mobile data services only, no voice (both fixed and variable charges) [32]:</i>			

Question 4: Number of outgoing voice traffic minutes (in thousands) from end users for mobile telephony (excluding data traffic and international roaming). As of 30 June 2024 [20]:

Please note that traffic minutes should be stated in thousands

	Private	Business	Total
Outgoing voice traffic from mobile telephones to national mobile networks:			
Outgoing voice traffic from mobile telephones to national fixed networks:			
Outgoing voice traffic from mobile telephones to international fixed and mobile networks:			
Outgoing voice traffic from mobile telephones to other call services:			
Total number of voice traffic minutes for mobile telephony:			
<i>of which voice traffic minutes from GSM networks:</i>			
<i>of which voice traffic minutes from UMTS networks:</i>			
<i>of which voice traffic minutes from LTE networks (VoLTE):</i>			
<i>of which voice traffic minutes from NR networks (5G):</i>			
<i>of which voice traffic minutes in unknown networks:</i>			

MOBILE CALL AND DATA SERVICES AND MOBILE BROADBAND

Question 5: Outgoing and incoming traffic from end users[5][24] for mobile data services. Report Mobile data (Gbyte) in binary format [23]. Mobile data for FWA subscriptions should be included. As of 30 June 2024:

	Private	Business	Total
Mobile data via mobile broadband - subscriptions for only data[7]:			
Mobile data via mobile broadband - subscriptions for both voice and mobile data:			
Mobile data traffic (Gbyte) unknown if upstream or downstream:			
Total quantity of mobile data traffic (Gbyte):			
of which traffic in 4G network:			
of which traffic in 5G network:			
Comments:			

M2M = machine-to-machine and IoT=Internet of things

Question 6: Revenues, traffic and number of M2M SIM cards [11] (excludes customers of service providers that are not owned by an operator; i.e. indirect customers, for example with MVNOs etc.), during first half-year 2024:

	Totalt
Number of SIM cards for M2M/IoT [11],[12][36] :	
of which used in Sweden:	
of which M2M using eSIM [34]:	
Revenues from SIM cards for M2M/IoT [19] (SEK 000s):	
of which used in Sweden:	
Total quantity of mobile data traffic from SIM cards for M2M/IoT (Gbyte):	
Comments:	

MOBILE CALL AND DATA SERVICES AND MOBILE BROADBAND

FOOT NOTES

- 1** "Subscription" refers to both contract subscriptions and pre-paid cards; pre-paid cards are reported under 'Private' and according to the 3-month rule (see 'pre-paid card' for definition). M2M, or Machine to Machine, should not be included, but should be reported separately in question.
- 2** Customers of service providers that are at least 50 per cent owned by the network operator itself are considered to be directly connected customers.
- 3** Also include those with subscriptions for a voice service that also have subscriptions for data but have not used the data access at least once during the last quarter of the period for which subscription charges have not been paid during the last quarter of the period.
- 4** Pre-paid cards must have been topped up or have generated (outgoing or incoming) traffic (minutes or data) or revenues during the last quarter of the period; all pre-paid cards are reported under 'Private'.
- 5** Only include subscriptions for a voice service that also allows the transmission of packet data and where the data access has been used at least once during the last quarter of the period or where a separate charge for mobile packet data has been paid during the last quarter of the period.
- 6** Refers to bundling products where the subscriber has purchased at least 1 GByte of data traffic. In practice, this means smartphones used for both calls and mobile broadband.
- 7** Include subscriptions which are used for mobile data and has been used at least once the last three months or the subscription fee has been payed during the last three months in the period. The subscription must not have generated any voice minutes.
- 8** Active GSM, UMTS and LTE subscriptions must have generated traffic (minutes or data) in the GSM, UMTS or LTE networks during the last quarter of the period.
- 9** LTE (Long Term Evolution). Also called 4G, fourth generation mobile networks.
- 10** Refers to mobile subscriptions with a fixed network number connected to SIM card as an add-on service.
- 11** M2M = machine-to-machine. SIM cards for M2M relates to services for communication between machines or other equipment (cars, trains, electric meters, consumer electronics etc.) and which are not a part of a private or company subscription. Subscriptions on mobile broadband (like tablets) should not be included here.
- 12** Customers of service providers that are at least 50 per cent owned by the network operator itself are considered to be directly connected customers.
- 13** Including active pre-paid cards, SMS, MMS, mobile data traffic and mobile value-added services. Excluding interconnection, international roaming abroad, machine-to-machine (reported separately) and group internal revenues. Supplementary charges or other instalment payments for discounted mobile telephones should also be excluded. Revenues from pre-paid cards are reported under 'Private'.
- 14** Fixed charges includes extra data that can be purchased as add-on services for a mobile subscription (with or without voice calls), when the included amount of data is finished.Exclude additional fees or other instalment payments for discounted mobile telephones (so called 'handset revenues'). Revenues from pre-paid cards are reported under 'Private'.
- 15** Only Voice traffic. Revenues from SMS, MMS, machine-to-machine (reported separately), mobile data traffic and mobile broadband should not be included.
- 16** Excluding revenues from value-added in premium SMS.
- 17** Including revenues from mobile broadband.
- 18** Excluding active pre-paid cards, SMS, MMS, mobile value-added services, interconnection, international roaming abroad, machine-to-machine (reported separately) and group internal revenues. Supplementary charges or other instalment payments for discounted mobile telephones should also be excluded. Do not include revenues from mobile "apps" (applications).Revenues from pre-paid cards are reported under 'Private'.
- 19** Revenues from both subscriptions and traffic.
- 20** State outgoing voice traffic minutes, regardless of whether they are debited or not. Voice traffic minutes from pre-paid cards are reported under 'Private'.

MOBILE CALL AND DATA SERVICES AND MOBILE BROADBAND

- 21 For service providers/third party operators where network capacity is purchased from a mobile network operator, 'voice traffic'/sms relates to voice traffic that terminates in the same network to which the service provider is connected.
- 22 Calls from pre-paid cards are reported under 'Private'.
- 23 1GByte=1 073 741 824 =(230 = 10243) bytes
- 24 Traffic from and to pre-paid cards is reported as 'Private'.
- 25 SMS and MMS sent from pre-paid cards are reported under 'Private'.
- 26 This refers to text messages sent from mobile terminals. Also includes text messages sent without being debited per item (those included in subscriptions of the type '3 000 free text messages'). Person-to-person.
- 27 Exclude those service providers that are owned 50 per cent or more by the network operator itself. Include other service providers and MVNOs.
- 28 Including all one-off charges plus fixed and variable charges.
- 29 Refers only to the revenues and traffic minutes for termination of calls payable to the service provider.
- 30 Refers to both national and international incoming traffic.
- 31 Includes revenue from extra data that can be purchased as an add-on service (so called 'data topups') for a mobile subscription with voice calls, when the amount of data is finished.
- 32 Includes revenue from extra data that can be purchased as an add-on service (so called 'data topups') for a mobile subscription without voice calls, when the amount of data is finished.
- 33 If a number of subscriptions share the amount of data (sometimes referred to as 'family subscriptions') report the total amount of data for the main subscription, and 'less than 1 GB data' for the other subscriptions. Also report subscriptions with variable amount of data as 'less than 1 GB data'. Do not include data topups. Family subscriptions with unlimited amount of data: Report all subscriptions in the family subscription under 'unlimited'
- 34 eSIM is an abbreviation of embedded sim and works basically like the physical SIM card you insert into the mobile telephone. The difference is that the information about a subscription is no longer linked to a physical SIM card, but can be sent wireless directly to, for example, the mobile phone, the watch or the tablet. eSIM can be programmed remotely.
- 35 This refers to text messages sent from computer systems eg. such as reminder of time booking, mass mailing as advertising or confirmation of ticket purchase. Machine-to-person.
- 36 IoT and M2M provide remote access for exchanging information among machines without human intervention. The key difference between IoT and M2M is that IoT connects any device to the Internet for better performance, and M2M is the connection of two or more than two devices with the Internet for data sharing and analytics.

INTERNET SUBSCRIPTIONS

Filter question Internet subscriptions. Which forms of access do you provide?

	Yes/no
Cable television	
Fibre and Fibre-LAN	
xDSL, satellite, fixed radio or other fixed Internet access	

Question 7: Number of active subscriptions [1] for Internet service (access) distributed by form of access downstream, 30 June 2024:

	Private	Business	Total
Satellite:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above:			
xDSL:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which VDSL 30 Mbps and above (and below 60 Mbps):			
of which VDSL 60 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above:			
xDSL via LLUB and other wholesale products (same subscriptions as xDSL above):			
of which xDSL end users connected via LLU (full access/line)[2]:			
of which xDSL end users connected via LLU (shared access/line [2]:			
of which xDSL end users connected via other wholesale products [3]:			
Cable television:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above (and below 250 Mbps):			
of which 250 Mbps and above (and below 500 Mbps):			
of which 500 Mbps and above (and below 1000 Mbps):			
of which 1000 Mbps and above:			
Fixed radio access[4]:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above:			
Fibre and Fibre-LAN[5]:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above (and below 250 Mbps):			
of which 250 Mbps and above (and below 500 Mbps):			
of which 500 Mbps and above (and below 100 Mbps):			
of which 1000 Mbps and above:			
Other fixed Internet access (state what under 'Comments'):			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above:			
Total number of active subscriptions downstream:			

INTERNET SUBSCRIPTIONS

Question 8: Number of active subscriptions [1] for Internet service (access) distributed by form of access upstreams. 30 June 2024:

	Private	Business	Total
Cable television upstreams			
of which over 144 kbit/s and under 2 Mbit/s:			
of which 2 Mbit/s and over and under 10 Mbit/s:			
of which 10 Mbit/s and over and under 30 Mbit/s:			
of which 30 Mbit/s and over and under 100 Mbit/s:			
of which 100 Mbit/s and over and under 250 Mbit/s:			
of which 250 Mbit/s and over and under 500 Mbit/s:			
of which 500 Mbps and above (and below 1000 Mbps):			
of which 1000 Mbps and above:			
Fiber and fiber-LAN [5] upstreams:			
of which over 144 kbit/s and under 2 Mbit/s:			
of which 2 Mbit/s and over and under 10 Mbit/s:			
of which 10 Mbit/s and over and under 30 Mbit/s:			
of which 30 Mbit/s and over and under 100 Mbit/s:			
of which 100 Mbit/s and over and under 250 Mbit/s:			
of which 250 Mbit/s and over and under 500 Mbit/s:			
of which 500 Mbit/s and over and under 1000 Mbit/s:			
of which 1000 Mbit/s and over:			
Satellite:			
of which above 144 Kbps and below 2 Mbps:			
of which 2 Mbps and above (and below 10 Mbps):			
of which 10 Mbps and above (and below 30 Mbps):			
of which 30 Mbps and above (and below 100 Mbps):			
of which 100 Mbps and above:			
xDSL, fixed radio and other fixed internet access (upstreams):			
of which over 144 kbit/s and under 2 Mbit/s:			
of which 2 Mbit/s and over and under 10 Mbit/s:			
of which 10 Mbit/s and over and under 30 Mbit/s:			
of which 30 Mbit/s and over and under 100 Mbit/s:			
of which 100 Mbit/s and over:			
Total active subscriptions upstream:			
Comments:			

Question 9: Number of active internet subscriptions and bundled subscriptions [7] which are group connections. Group connections refer to internet subscriptions that have been signed between the operator and, for example, landlords or housing cooperatives, rather than directly with the end users. State the number of active subscriptions, not the number of landlords etc. As of 30 June 2024:

	Subscriptions
xDSL - subscriptions which are group connections	
Cable television - subscriptions which are group connections:	
Fibre and Fibre-LAN - subscriptions which are group connections	
Total number of internet subscriptions which are group connections:	
Comment to the answer:	

FOOT NOTES

- 1 Active subscription' refers to a subscription that has used the access at least once during the last quarter in the period (only applies to customers who do not pay subscription charges). If the customer pays a subscription charge, the customer is deemed to be active if payment is made during the second quarter of 2011. If a tenant-owners' association or the equivalent is an end user, the number of underlying active Internet accesses shall be stated under 'Private' instead of the number of subscriptions. PLEASE NOTE: Here, this only relates to end users of ISPs. Operators that only provide broadband access without an Internet service should not include these customers.
- 2 Local Loop Unbundling; i.e. access for other operators to conventional subscriber lines via the regulated access in the form of LLU (full or shared access).
- 3 For example, pure resale products or products that are more raw, such as 'bitstream products'.
- 4 Fixed radio - exclude subscriptions which are using the mobile network (i.e. exclude subscriptions for mobile data, M2M and FWA).
- 5 Internet access is reached via a property network, i.e. a LAN (Local Area Network), usually based on Ethernet technology. The property network is linked to a public fibre network, for example, an area network. The property network, which may comprise optical fibre cable or copper-based cable, links the individual dwellings/operations with the property node, which in its turn is connected to the area networks.
- 6 Includes e-mail only if this is a part of the fixed charge. Does not refer to revenues from data communications services.
- 7 This refers to both bundled subscriptions that are marketed as an offering with pricelist for the bundled services, and services not marketed together as a special offering, i.e. where an end user buys two or three services separately, perhaps at two different occasions. PLEASE NOTE: This does not refer to subscriptions bundled with OTT-services such as Spotify.

INTERNET SUBSCRIPTIONS

- 8 That is, local physical access for other operators to dark fibre in fibre access networks, where the leasing operator is responsible for/owns the transmission equipment.
- 9 For example, transmission products from communication operators or pure resale products.
- 10 If you are buying or renting the network access from another operator, include also revenues to you from end customers regarding network fee that the consumer must pay in order to use an internet subscription.