



Internet Activity Record Keeping Rules

Competition and Consumer Act 2010

The AUSTRALIAN COMPETITION AND CONSUMER COMMISSION amends these Rules under subsection 151BU(1) of the *Competition and Consumer Act 2010* as set out in the attachment.

These amendments commence on the date this amendment instrument is signed.

Dated 19 May 2022

A handwritten signature in blue ink that reads 'Anna Brakey'. The signature is written in a cursive style.

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Australian Competition and Consumer Commission



Internet Activity Record-Keeping and Reporting Rules

Issued under section 151BU of the
Competition and Consumer Act 2010

1. TITLE

- (1) These Rules, made by the Australian Competition and Consumer Commission (ACCC) under section 151BU of the *Competition and Consumer Act 2010*, are the Internet Activity Record-Keeping and Reporting Rules.

2. COMMENCEMENT

- (1) These Rules commence on the date this amended instrument is signed.
- (2) These Rules replace the Internet Activity Record-Keeping Rules dated December 2020 ('the 2020 Rules').
- (3) For the avoidance of doubt, these Rules will apply to record-keeping and reporting for the June 2022 Reporting Period and all subsequent Reporting Periods.

Note: The ACCC will issue the Rules by making a public announcement and placing the Rules on its website.

3. INTERPRETATION

ACCC	means the Australian Competition and Consumer Commission.
Access Seeker	has the same meaning as in section 152AG of the Act.
access technology	means the methods for gaining access to the internet, using the following types of telecommunications infrastructure: DSL; HFC/cable; fibre; fixed wireless; and satellite.
Act	means the <i>Competition and Consumer Act 2010</i> .
ADSL	means asymmetric digital subscriber line, and is a broadband internet transmission technique.
All SIOs	means, in respect of mobile services, Retail SIOs and Wholesale SIOs taken together.
Aussie Broadband	means Aussie Broadband Pty Ltd (ABN 29 132 090 192).
Australian Private Networks	means Australian Private Networks Pty Ltd (ABN 27 103 009 552).
broadband	means an internet connection that enables high speed usage with high capacity limits and download speeds of greater than or equal to 256kbps.

cable	means a broadband Internet service provided by means of a fixed customer access network that does not primarily utilise twisted pair copper, and includes services delivered over optic fibre or coaxial cable, but does not include services provided on the NBN.
carriage service provider	has the same meaning as in the <i>Telecommunications Act 1997</i> .
Consumer	means a person who has a contract with a carriage service provider for the supply of a telecommunications service. It does not include a carriage service provider acquiring a telecommunications service in its capacity as a carriage service provider for the purposes of resale.
Data Transfer Rate	means the quantity of data that can be transmitted from one device to another in a given time.
directly connected customer	means an end user (whether a person, business or other entity) to whom an ISP provides an internet service under a direct contractual relationship.
Dodo	means Dodo Services Pty Ltd (ABN 33 158 289 331).
DSL	means digital subscriber line. A family of technologies that provides digital data transmission over the local telephone network. This includes ADSL, ADSL2, ADSL2+, SDSL and SHDSL.
fibre	Broadband network architecture that uses optical fibre or 'access network' technology. There are a number of types of fibre deployments including FTTB, FTTC, FTTH, FTTN and FTTP. Fibre used only for back haul is excluded from counts of fibre internet connections.
fixed wireless	means a terrestrial point-to-point microwave or radio link, generally building to building or tower to building, which allows subscribers within the receiving building to access the internet.
FTTB	means fibre to the building and generally refers to connections used for connecting an apartment block or similar type of building. A fibre optic line runs to the fibre node in the building's communications room and then the existing technology in the building is used to connect each apartment. This type of access technology is able to support superfast carriage services.
FTTC	means fibre to the curb and refers to circumstances where fibre is extended close to the premises,

connecting to a Distribution Point Unit (DPU), generally located inside a pit on the street. From here, the existing copper network is connected to the fibre to form the final connection. This type of access technology is able to support superfast carriage services.

FTTH

means fibre to the home and is the delivery of a communications signal over optical fiber from the nearest available fibre node all the way to a home or business.

FTTN

means fibre to the node and refers to circumstances where the existing copper phone and internet network from a nearby fibre node is used to make the final part of the connection to the access network. This type of access technology is able to support superfast carriage services.

FTTP

means fibre to the premises and refers to circumstances where a fibre optic line runs from the nearest available fibre node, directly to the premises.

GB

means gigabyte, a measure of data download volume. A data unit of one billion bytes, sometimes interpreted as 1,024 megabytes.

Harbour ISP

means Harbour ISP Pty Ltd (ABN 44 154 752 968).

HFC

means a network that combines optical fibre and coaxial cable (commonly known as 'Hybrid Fibre Coaxial').

Home Ultrafast

means nbn Home Ultrafast and is a wholesale product offered by NBN Co.

home wireless broadband

means an internet connection which provides short range, high data rate connections between a fixed modem and access points connected to a mobile network.

iiNet

means iiNet Limited (ABN 48 068 628 937).

Internet

means a world-wide public system of interconnected computer networks that uses the IP. Organisations and individuals can connect their computers to this network and exchange information across a country and/or across the world. The internet provides access to a number of communication services including the World Wide Web and carries email, news, entertainment and data files. For ACCC purposes, the internet connection

counted must provide the user with access to the World Wide Web.

Internet service	means a retail service supplied to directly connected customers and provided by means of an IP network.
IP	means an Internet Protocol and is a protocol by which data is sent from one computer to another on the internet.
IP network	means a facility consisting of equipment utilising: the IP stack; routers, whether domestic or international; and transmission links used primarily for transmission of internet traffic, and includes internet exchange points.
IPStar	means IPStar Australia Pty Ltd (ABN 85 107 338 901).
ISP	means an internet service provider.
kbps	means kilobits per second, and is a data communications transmission rate of one thousand bits per second.
M2M	means machine-to-machine and is a direct communication between devices using any communication channel, including fixed/wired and wireless.
Mbps	means megabits per second, and is a data communications transmission rate of one million bits per second.
mobile broadband	means an internet connection which provides short range, high data rate connections between mobile data devices and access points connected to a network. Examples include mobile WiMax and 3G/4G accessed through a datacard, USB modem or tablet SIM card (excluding a mobile handset).
mobile services	means prepaid mobile, post-paid mobile, mobile broadband, M2M and home wireless broadband services.
MyRepublic	means MyRepublic Pty Ltd (ABN 75 603 909 815).
MVNO	means Mobile Virtual Network Operator and is a wireless communication service provider who sells retail services to customers but does not own the network infrastructure over which its customers use.

NBN	means National Broadband Network.
NBN Co	means NBN Co Limited (ACN 136 533 741).
NBN services	means telecommunications services provided by means of the NBN excluding voice only services.
no data limit plan	means an NBN broadband, non-NBN fixed broadband or mobile service which does not have a limit on the amount of data that can be used. This also refers to services that shape download speeds once certain data limits are reached.
non-NBN fixed services	means internet services provided over DSL, cable/HFC, fibre, fixed wireless and satellite, excluding voice only services and services provided by means of the NBN.
post-paid mobile	means mobile telephony services for which a consumer contracts to pay a specified monthly charge (or a charge based on some other discrete time period) that includes a payment for a handset, access, subscription and some call usage. The consumer generally agrees to pay this amount for a minimum number of months (or other discrete time period). If the consumer consumes services during a particular month whose value exceeds the agreed minimum, the customer is generally billed an additional amount for the consumption of such services.
prepaid mobile	means mobile telephony services for which a consumer is not billed regularly, but rather pays upfront for handset, access, call charges etc.
Primus	means Primus Telecommunications Pty Limited (ABN 69 071 191 396).
Reference Date	means 30 June (for a Reporting Period ending on that date) or 31 December (for a Reporting Period ending on that date).
reporting carriage service provider	means a carriage service provider to which these Rules apply, to the extent it is required to report.
Reporting Period	means each 3 month period ending on 30 June or 31 December in a year. That is, 1 April to 30 June, and 1 October to 31 December, in each year.
Retail SIO	means, in respect of a carriage service provider, an active telecommunications service in operation that is being supplied by the carriage service provider to one of its own directly connected customers.

Rules	means these Internet Activity Record-Keeping and Reporting Rules.
satellite	means a service where the customer/device is connected to the network via a satellite link.
SDSL	means symmetric digital subscriber line, where the bandwidth in the downstream direction, from the network to the subscriber, is identical to the bandwidth in the upstream direction, from the subscriber to the network.
shape	means the lowering of a service's download speed, once a subscriber has exceeded a set download volume limit.
SHDSL	means symmetrical high-speed digital subscriber line, and is a form of SDSL.
Singtel Optus	means Singtel Optus Pty Limited (ABN 90 052 833 208).
Standard Form of Access Agreement	means NBN Co's standard form of access agreement, published on its website that relates to the supply of the relevant services to Access Seekers.
sub brand	means Retail SIO that are controlled by a Mobile Network Operator (MNO) but are sold under a different brand to that of the MNO. For example, Belong customers on the Telstra network.
SkyMesh	means SkyMesh Pty Ltd (ABN 38 613 736 137).
Telstra	means Telstra Corporation Limited (ABN 33 051 775 556).
TB	means terabyte, a measure of data download volume. A data unit of one thousand billion bytes, sometimes interpreted as 1,024 gigabytes.
TPG	means TPG Telecom Limited (ABN 76 096 304 620) (formerly known as Vodafone Hutchison Australia Pty Limited).
TPG Entities	means iiNet, TPG and TPM.
TPM	means TPG Corporation Limited (ABN 46 093 058 069) (formerly known as TPG Telecom Limited).

volume of data downloaded	means, in respect of a Reporting Period, the volume of data downloaded by means of Wholesale SIOs or Retail SIOs (as applicable) during a Reporting Period.
Wholesale SIO	means, in respect of a carriage service provider, an active telecommunication service in operation that is being supplied by the carriage service provider, but does not include a Retail SIO.
wholesale speed tiers	means the download Data Transfer Rate (speed) tiers specified in NBN Co's applicable Standard Form of Access Agreement.
Wireless Plus	means nbn Fixed Wireless Plus and is a wholesale product offered by NBN Co.

4. APPLICATION

(1) These Rules apply to:

Aussie Broadband Pty Ltd (ABN 29 132 090 192)
 Australian Private Networks Pty Ltd (ABN 27 103 009 552)
 Dodo Services Pty Ltd (ABN 33 158 289 331)
 Harbour ISP Pty Ltd (ABN 44 154 752 968)
 iiNet Limited (ABN 48 068 628 937)
 IPStar Australia Pty Ltd (ABN 85 107 338 901)
 MyRepublic Pty Ltd (ABN 75 603 909 815)
 Primus Telecommunications Pty Limited (ABN 69 071 191 396)
 Singtel Optus Pty Limited (ABN 90 052 833 208)
 SkyMesh Pty Ltd (ABN 38 613 736 137)
 Telstra Corporation Limited (ABN 33 051 775 556)
 TPG Corporation Limited (ABN 46 093 058 069)
 TPG Telecom Limited (ABN 76 096 304 620).

(2) These Rules also apply to a carriage service provider that is notified by the ACCC in writing that the Rules apply to that carriage service provider.

(3) A written notice given to a carriage service provider under subparagraph (2):

- (a) must specify the commencement date from which the Rules will apply to the carriage service provider, which must be no less than 60 days from the date of the notice;
- (b) must specify the categories of information prescribed in **Schedule A** that will apply to the carriage service provider;
- (c) may specify that all provisions of these Rules apply to the carriage service provider, or that particular provisions do not apply or apply with modifications; and
- (d) must be published on the ACCC's website.

- (4) (a) A TPG Entity may perform its obligation under these rules as if it, together with the other TPG Entities, were a single entity.
(b) Without limiting subclause 4(a), a report provided to the ACCC by one TPG Entity that consists of aggregated information relating to all TPG Entities, is taken to have been provided by each TPG Entity.

5. RECORD KEEPING

- (1) A carriage service provider listed in column 3 of **Schedule A** must keep and retain records of the information specified in columns 1 and 2 of **Schedule A** in accordance with the requirements for recording that information specified in column 4 of **Schedule A**.

6. REPORTING REQUIREMENTS

- (1) A carriage service provider must provide to the ACCC for each Reporting Period a report that consists of the information required to be kept under Rule 5.
- (2) A report must be lodged with the ACCC by 31 August for a 30 June Reference Date, and 28 February for a 31 December Reference Date, respectively.
- (3) A report must be prepared and submitted electronically in a Microsoft Excel format, or as otherwise specified on the ACCC's website.
- (4) A report must be provided to the ACCC by email to iarkr@acc.gov.au, or as otherwise specified on the ACCC's website.
- (5) If, in preparing a report in respect of a Reporting Period, a carriage service provider varies the method of defining, recording and reporting information from the method that was used in the report for the previous Reporting Period, then the carriage service provider must provide:
- (a) a description of the new method of defining, recording and reporting information;
 - (b) the reasons for why the carriage service provider has chosen to change their method of defining, recording and reporting information;
 - (c) separate reports containing the information required to be kept in accordance with these Rules for both:
 - a. the current Reporting Period; and
 - b. the previous Reporting Period, both applying the new method of defining, recording and reporting information.
- (6) A report must be accompanied by a signed declaration of a responsible officer of the carriage service provider in the form of **Schedule E**.

Note: Under section 151BV of the Act, a person who incorrectly makes a record of any matter or thing in purported compliance with these Rules is liable to conviction by imprisonment for a term not exceeding 6 months.

- (7) Reports must be prepared in the manner and form outlined for keeping records, as relevant, in **Schedules B, C and D** using the appropriate template specified in **Schedule F**.
- (8) The templates specified in **Schedule F** may be amended by the General Manager of the Infrastructure Regulation Division from time to time. An amendment must be published on the ACCC's website. An amendment takes effect on the day that is 60 days after the amendment has been published on the ACCC's website, or such later date as may be specified in the amendment.

Schedule A

Information to be recorded by carriage service providers under these Rules

<i>Column 1: Category No.</i>	<i>Column 2: Category name</i>	<i>Column 3: Carriage service providers covered by each category</i>	<i>Column 4: Requirements for keeping records</i>
(1)	NBN services information	Aussie Broadband, Australian Private Networks, Dodo, Harbour ISP, iiNet, IPStar Australia, MyRepublic, Primus, Singtel Optus, SkyMesh, Telstra, TPG, TPM and any other carriage service provider given notice in accordance with Rule 4(2) that this category of information applies to it.	Schedule B
(2)	Non-NBN fixed services information	Aussie Broadband, Australian Private Networks, Dodo, Harbour ISP, iiNet, IPStar Australia, MyRepublic, Primus, Singtel Optus, SkyMesh, Telstra, TPM and any other carriage service provider given notice in accordance with Rule 4(2) that this category of information applies to it.	Schedule C
(3)	Mobile services information	Singtel Optus, Telstra, TPG and any other carriage service provider given notice in accordance with Rule 4(2) that this category of information applies to it.	Schedule D

Schedule B

NBN services information to be reported by carriage service providers to the ACCC

- (1) For each Reporting Period, the carriage service providers listed in Category (1) of **Schedule A** must provide to the ACCC the information set out in paragraph (2) below, in accordance with the template set out in section 1 of **Schedule F**.
- (2) For NBN services, the carriage service provider must state:
 - (a) The total number of Retail SIOs as at the Reference Date.
 - (b) The total number of Retail SIOs as at the Reference Date, by wholesale speed tiers.
 - (c) The total number of Retail SIOs as at the Reference Date with no data limit.
 - (d) The total volume of data downloaded for Retail SIOs for the Reporting Period.
 - (e) The total volume of data downloaded for Retail SIOs for the Reporting Period, by wholesale speed tiers.

Schedule C

Non-NBN fixed services information to be reported by carriage service providers to the ACCC

- (1) For each Reporting Period, the carriage service providers listed in Category (2) of **Schedule A** must provide to the ACCC the information set out in paragraph (2) below, in accordance with the template set out in section 2 of **Schedule F**.
- (2) For non-NBN fixed services, the carriage service provider must state:
 - (a) The total number of Retail SIOs as at the Reference Date.
 - (b) The total number of Retail SIOs as at the Reference Date, by access technology.
 - (c) The total number of Retail SIOs as at the Reference Date with no data limit.
 - (d) The total volume of data downloaded for Retail SIOs for the Reporting Period.
 - (e) The total volume of data downloaded for Retail SIOs for the Reporting Period, by access technology.

Schedule D

Mobile services information to be reported by carriage service providers to the ACCC

- (1) For each Reporting Period, the carriage service providers listed in Category (3) of **Schedule A** must provide to the ACCC the information set out in paragraph (2) below, in accordance with the template set out in section 3 of **Schedule F**.
- (2) For mobile services, the carriage service provider must state:
 - (a) The total number of All SIOs as at the Reference Date, by type of mobile service.
 - (b) The total number of Wholesale SIOs as at the Reference Date, by type of mobile service.
 - (c) The total number of Wholesale SIOs as at the Reference Date, by type of mobile service, for its 3 largest (based on SIO count) MVNOs.
 - (d) The total number of Retail SIOs as at the Reference Date, by type of mobile service.
 - (e) The total number of Retail SIOs as at the Reference Date, by type of mobile service, by sub brand(s).
 - (f) The total number of Retail SIOs as at the Reference Date, by type of mobile service, with no data limit.
 - (g) The total volume of data downloaded for All SIOs for the Reporting Period, by type of mobile service.
 - (h) The total volume of data downloaded for Wholesale SIOs for the Reporting Period, by type of mobile service.
 - (i) The total volume of data downloaded for Retail SIOs for the Reporting Period, by type of mobile service.

Schedule E

Record-Keeping Declaration

(Date)

General Manager
Infrastructure Regulation Division
Australian Competition and Consumer Commission

Statement by CARRIAGE SERVICE PROVIDER

I declare that:

- (a) the reports are prepared in accordance with the requirements of the Rules; and
- (b) the reports are accurate in all material respects, or, where definitive information cannot be produced, are a best estimate based on available information.

Dated at this day of 20

(Name)

(Position)

Schedule F

Templates for submission of reports

Internet Activity Record-Keeping and Reporting Rules

Spreadsheet for submission to the ACCC

Issued under s 151BU of the *Competition and Consumer Act 2010*

NOTE: This is provided as a reference only. A spreadsheet template is provided on the ACCC website in Microsoft Excel format.

Reporting carriage service provider: *(please complete)*

Reporting Period and Year: 20XX-20YY

Spreadsheet Table of Contents:

Service Information

1 NBN services information

2 Non-NBN fixed services information

3 Mobile services information

Instructions

This spreadsheet is to be read in conjunction with the Internet Activity Record-Keeping and Reporting Rules.

It is designed to provide a template for submission of information and is not a complete statement of obligations under the Rules.

For those carriage service providers who report on multiple service types, please complete each relevant section and submit as one Microsoft Excel file.

The following table illustrates those parts of the spreadsheet that each type of reporting carriage service provider is required to complete:

<i>Reporting Type</i>	<i>Required to complete</i>
<i>NBN services information</i>	Aussie Broadband, Australian Private Networks, Dodo, Harbour ISP, iiNet, IPStar Australia, MyRepublic, Primus, Singtel Optus, SkyMesh, Telstra, TPG and TPM
<i>Non-NBN fixed services information</i>	Aussie Broadband, Australian Private Networks, Dodo, Harbour ISP, iiNet, IPStar Australia, MyRepublic, Primus, Singtel Optus, SkyMesh, Telstra and TPM
<i>Mobile services information</i>	Singtel Optus, Telstra, TPG

(1) NBN services

(a) Retail SIOs

(i) By wholesale speed tiers

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
12 Mbps		
25 Mbps		
50 Mbps		
Wireless Plus		
100 Mbps		
250 Mbps		
500 Mbps		
Home Ultrafast		
1000 Mbps		
Other (please specify)		
Total Retail SIOs		

(ii) With no data limit

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
No data limit plans		

(b) Volume of data downloaded¹

(i) By wholesale speed tiers

	<i>For the previous Reporting Period</i>	<i>For the current Reporting Period</i>
12 Mbps		
25 Mbps		
50 Mbps		
Wireless Plus		
100 Mbps		
250 Mbps		
500 Mbps		
Home Ultrafast		
1000 Mbps		
Other (please specify)		
Total Retail SIOs – volume of data downloaded		

¹ To the nearest TB. If exact figures are not available, please provide careful estimates.

(2) Non-NBN fixed services

(a) Retail SIOs

(i) By access technology

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
DSL		
HFC/cable		
Fibre		
Fixed wireless		
Satellite		
Total Retail SIOs		

(ii) With no data limit

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
No data limit plans		

(b) Volume of data downloaded²

(i) By access technology

	<i>For the previous Reporting Period</i>	<i>For the current Reporting Period</i>
DSL		
HFC/cable		
Fibre		
Fixed wireless		
Satellite		
Total Retail SIOs – volume of data downloaded		

² To the nearest TB. If exact figures are not available, please provide careful estimates.

(3) Mobile services

(a) Wholesale SIOs and Retail SIOs

(i) By type of mobile service

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Wholesale SIOs – prepaid mobile – total		
Wholesale SIOs – prepaid mobile – largest		
Name of largest wholesale customer		
Wholesale SIOs – prepaid mobile – 2 nd largest		
Name of 2 nd largest wholesale customer		
Wholesale SIOs – prepaid mobile – 3 rd largest		
Name of 3 rd largest wholesale customer		
Retail SIOs – prepaid mobile		
Retail SIOs – prepaid mobile – sub brand(s)		
All SIOs – prepaid mobile		

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Wholesale SIOs – post-paid mobile – total		
Wholesale SIOs – post-paid mobile – largest		
Name of largest wholesale customer		
Wholesale SIOs – post-paid mobile – 2 nd largest		
Name of 2 nd largest wholesale customer		
Wholesale SIOs – post-paid mobile – 3 rd largest		
Name of 3 rd largest wholesale customer		
Retail SIOs – post-paid mobile		
Retail SIOs – post-paid mobile – sub brand(s)		
All SIOs – post-paid mobile		

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Wholesale SIOs – mobile broadband – total		
Wholesale SIOs – mobile broadband – largest		
Name of largest wholesale customer		
Wholesale SIOs – mobile broadband – 2 nd largest		
Name of 2 nd largest wholesale customer		
Wholesale SIOs – mobile broadband – 3 rd largest		
Name of 3 rd largest wholesale customer		
Retail SIOs – mobile broadband		
Retail SIOs – mobile broadband – sub brand(s)		
All SIOs – mobile broadband		

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Wholesale SIOs – M2M – total		
Wholesale SIOs – M2M – largest		
Name of largest wholesale customer		
Wholesale SIOs – M2M – 2 nd largest		
Name of 2 nd largest wholesale customer		
Wholesale SIOs – M2M – 3 rd largest		
Name of 3 rd largest wholesale customer		
Retail SIOs – M2M		
Retail SIOs – M2M – sub brand(s)		
All SIOs – M2M		

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Wholesale SIOs – home wireless broadband – total		
Wholesale SIOs – home wireless broadband – largest		
Name of largest wholesale customer		
Wholesale SIOs – home wireless broadband – 2 nd largest		
Name of 2 nd largest wholesale customer		
Wholesale SIOs – home wireless broadband – 3 rd largest		
Name of 3 rd largest wholesale customer		
Retail SIOs – home wireless broadband		
Retail SIOs – home wireless broadband – sub brand(s)		
All SIOs – home wireless broadband		

(b) Retail SIOs

(i) By type of mobile service and with no data limit

	<i>As at previous Reference Date</i>	<i>As at current Reference Date</i>
Retail SIOs – no data limit plans – prepaid mobile		
Retail SIOs – no data limit plans – post-paid mobile		
Retail SIOs – no data limit plans – mobile		

broadband		
Retail SIOs – no data limit plans – M2M		
Retail SIOs – no data limit plans – home wireless broadband		

(c) Volume of data downloaded³

(i) By type of mobile service

	<i>For the previous Reporting Period</i>	<i>For the current Reporting Period</i>
Wholesale SIOs – volume of data downloaded – prepaid mobile		
Retail SIOs – volume of data downloaded – prepaid mobile		
All SIOs – volume of data downloaded – prepaid mobile		
Wholesale SIOs – volume of data downloaded – post-paid mobile		
Retail SIOs – volume of data downloaded – post-paid mobile		
All SIOs – volume of data downloaded – post-paid mobile		
Wholesale SIOs – volume of data downloaded – mobile broadband		
Retail SIOs – volume of data downloaded – mobile broadband		
All SIOs – volume of data downloaded – mobile broadband		
Wholesale SIOs – volume of data downloaded – M2M		
Retail SIOs – volume of data downloaded – M2M		
All SIOs – volume of data downloaded – M2M		
Wholesale SIOs – volume of data downloaded – home wireless broadband		
Retail SIOs – volume of data downloaded – home wireless broadband		
All SIOs – volume of data downloaded – home wireless broadband		

³ To the nearest TB. If exact figures are not available, please provide careful estimates.