

## **Traffic Statistics Reporting Requirements for External Telecommunication Services**

Fixed network operators<sup>1</sup>, mobile network operators<sup>2</sup> and services-based operators<sup>3</sup> are required to comply with the external traffic statistics reporting requirements as set out in this document. Operators holding more than one licence should submit separate reports for individual licence.

### **Quarterly Traffic Report (Traffic to and from end-customers) (see Annex 1)**

Figure 1(a): Quarterly total billable minutes (Note 1) of outgoing traffic (Note 3) from end-customers via public switched telephone networks (including fixed and mobile networks) for each destination (Note 4).

Figure 1(b): Quarterly total billable minutes (Note 1) of outgoing traffic (Note 3) from end-customers via leased lines for each destination (Note 4).

Figure 1(c): Quarterly total conversation minutes (Note 2) of incoming traffic (Note 5) delivered to end-customers via public switched telephone networks (including fixed and mobile networks) for each incoming route (Note 6).

Figure 1(d): Quarterly total conversation minutes (Note 2) of incoming traffic (Note 5) delivered to end-customers via leased lines for each incoming route (Note 6).

#### Notes:

1. “Billable minutes” refer to the duration (counted in minutes) for which the reporting service provider is entitled to bill the customers. If the reporting service provider offers any free-of-charge minutes to its customers, the free-of-charge traffic should be reported as part of the “billable minutes”.
2. “Conversation minutes” refer to the duration (counted in minutes) measured by the reporting service provider in which conversations can take place between the calling and the called parties. A “conversation minute” represents one minute of “conversation time”. “Conversation time” is defined in the relevant ITU-T Recommendation to be the interval that elapses between:

---

<sup>1</sup> A fixed network operator may be licensed under Fixed Telecommunications Network Services Licence, Fixed Carrier Licence or Unified Carrier Licence.

<sup>2</sup> A mobile network operator may be licensed under Mobile Carrier Licence or Unified Carrier Licence.

<sup>3</sup> A services-based operator is licensed under the Services-Based Operator Licence.

- the moment when the reply condition (answer signal in the backward direction) is detected at the point where the recording of the call duration takes places; and
  - the moment when the clear forward condition (clear forward signal) is detected at the same point.
3. Outgoing traffic should include Hong Kong billed “reversed charge calls”. “Reversed charge calls” refer to the calls which are billed at the traffic destination, rather than the origin of the calls. Typical examples are collect calls and Home Direct calls. Overseas originated toll free calls to a calling card platform in Hong Kong should be reported under this category.
  4. Outgoing traffic should be reported with breakdown by destination according to the report enclosed at Annex 1.
  5. Incoming traffic should include overseas billed “reversed charge calls”. “Reversed charge calls” refer to the calls which are billed at the traffic destination, rather than the origin of the calls. Typical examples are collect calls and Home Direct calls. Toll free calls originated from Hong Kong to a calling card platform at overseas countries should be reported under this category.
  6. Incoming traffic should be reported with breakdown by incoming route according to the report enclosed at Annex 1.

Reply By Email to cl\_sect@ofca.gov.hk

**Quarterly Traffic Report (Traffic to and from end-customers)**

For the quarter ending \_\_\_\_\_ (Month)/ \_\_\_\_\_ (Year)

Name of Licensee: \_\_\_\_\_

Licence No.: \_\_\_\_\_

*(The following figures should be the total traffic in the quarter)*

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
1 Afghanistan	93				
2 Albania	355				
3 Algeria	213				
4 American Samoa	1 684				
5 Andorra	376				
6 Angola	244				
7 Anguilla	1 264				
8 Antigua and Barbuda	1 268				
9 Argentina	54				
10 Armenia	374				
11 Aruba	297				
12 Australia	61				
13 Austria	43				
14 Azerbaijan	994				
15 Bahamas	1 242				
16 Bahrain	973				
17 Bangladesh	880				
18 Barbados	1 246				
19 Belarus	375				
20 Belgium	32				
21 Belize	501				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
22 Benin	229				
23 Bermuda	1 441				
24 Bhutan	975				
25 Bolivia	591				
26 Bonaire, Sint Eustatius and Saba	599				
27 Bosnia and Herzegovina	387				
28 Botswana	267				
29 Brazil	55				
30 British Virgin Islands	1 284				
31 Brunei Darussalam	673				
32 Bulgaria	359				
33 Burkina Faso	226				
34 Burundi	257				
35 Cabo Verde	238				
36 Cambodia	855				
37 Cameroon	237				
38 Canada	1				
39 Cayman Islands	1 345				
40 Central African Rep.	236				
41 Chad	235				
42 Chile	56				
43 China	86				
44 Colombia	57				
45 Comoros	269				
46 Congo (Rep. of the)	242				
47 Cook Islands	682				
48 Costa Rica	506				
49 Côte d'Ivoire	225				
50 Croatia	385				
51 Cuba	53				
52 Curaçao	599				
53 Cyprus	357				
54 Czech Rep.	420				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers	via leased lines from end-customers	via PSTN to end-customers	via leased lines to end-customers
		<b>1(a)</b>	<b>1(b)</b>	<b>1(c)</b>	<b>1(d)</b>
55 Dem. People's Rep. of Korea	850				
56 Dem. Rep. of the Congo	243				
57 Denmark	45				
58 Diego Garcia	246				
59 Djibouti	253				
60 Dominica	1 767				
61 Dominican Rep.	1 809, 1 829, 1 849				
62 Ecuador	593				
63 Egypt	20				
64 El Salvador	503				
65 Equatorial Guinea	240				
66 Eritrea	291				
67 Estonia	372				
68 Ethiopia	251				
69 Falkland Islands (Malvinas)	500				
70 Faroe Islands	298				
71 Fiji	679				
72 Finland	358				
73 France	33				
74 French Departments and Territories in the Indian Ocean	262				
75 French Guiana	594				
76 French Polynesia	689				
77 Gabon	241				
78 Gambia	220				
79 Georgia	995				
80 Germany	49				
81 Ghana	233				
82 Gibraltar	350				
83 Greece	30				
84 Greenland	299				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
85 Grenada	1 473				
86 Guadeloupe	590				
87 Guam	1 671				
88 Guatemala	502				
89 Guinea	224				
90 Guinea-Bissau	245				
91 Guyana	592				
92 Haiti	509				
93 Honduras	504				
94 Hungary	36				
95 Iceland	354				
96 India	91				
97 Indonesia	62				
98 Iran (Islamic Republic of)	98				
99 Iraq	964				
100 Ireland	353				
101 Israel	972				
102 Italy	39				
103 Jamaica	1 876				
104 Japan	81				
105 Jordan	962				
106 Kazakhstan	7				
107 Kenya	254				
108 Kiribati	686				
109 Korea (Rep. of)	82				
110 Kuwait	965				
111 Kyrgyzstan	996				
112 Lao P.D.R.	856				
113 Latvia	371				
114 Lebanon	961				
115 Lesotho	266				
116 Liberia	231				
117 Libya	218				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
118 Liechtenstein	423				
119 Lithuania	370				
120 Luxembourg	352				
121 Macao, China	853				
122 Madagascar	261				
123 Malawi	265				
124 Malaysia	60				
125 Maldives	960				
126 Mali	223				
127 Malta	356				
128 Marshall Islands	692				
129 Martinique	596				
130 Mauritania	222				
131 Mauritius	230				
132 Mexico	52				
133 Micronesia	691				
134 Moldova	373				
135 Monaco	377				
136 Mongolia	976				
137 Montenegro	382				
138 Montserrat	1 664				
139 Morocco	212				
140 Mozambique	258				
141 Myanmar	95				
142 Namibia	264				
143 Nauru	674				
144 Nepal	977				
145 Netherlands	31				
146 New Caledonia	687				
147 New Zealand	64				
148 Nicaragua	505				
149 Niger	227				
150 Nigeria	234				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
151 Niue	683				
152 Norfolk Island	672				
153 Northern Mariana Islands	1 670				
154 Norway	47				
155 Oman	968				
156 Pakistan	92				
157 Palau	680				
158 Panama	507				
159 Papua New Guinea	675				
160 Paraguay	595				
161 Peru	51				
162 Philippines	63				
163 Poland	48				
164 Portugal	351				
165 Puerto Rico	1 787, 1 939				
166 Qatar	974				
167 Romania	40				
168 Russia Federation	7				
169 Rwanda	250				
170 Saint Helena, Ascension and Tristan da Cunha	290, 247				
171 Saint Kitts and Nevis	1 869				
172 Saint Lucia	1 758				
173 Saint Pierre and Miquelon	508				
174 Saint Vincent and the Grenadines	1 784				
175 Samoa	685				
176 San Marino	378				
177 Sao Tome and Principe	239				
178 Saudi Arabia	966				
179 Senegal	221				
180 Serbia	381				
181 Seychelles	248				



<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
182 Sierra Leone	232				
183 Singapore	65				
184 Sint Maarten (Dutch part)	1 721				
185 Slovakia	421				
186 Slovenia	386				
187 Solomon Islands	677				
188 Somalia	252				
189 South Africa	27				
190 South Sudan	211				
191 Spain	34				
192 Sri Lanka	94				
193 Sudan	249				
194 Suriname	597				
195 Swaziland	268				
196 Sweden	46				
197 Switzerland	41				
198 Syrian Arab Republic	963				
199 Taiwan	886				
200 Tajikistan	992				
201 Tanzania	255				
202 Thailand	66				
203 The Former Yugoslav Rep. of Macedonia	389				
204 Timor-Leste	670				
205 Togo	228				
206 Tokelau	690				
207 Tonga	676				
208 Trinidad and Tobago	1 868				
209 Tunisia	216				
210 Turkey	90				
211 Turkmenistan	993				
212 Turks and Caicos	1 649				
213 Tuvalu	688				

<i>Destinations (for outgoing traffic)/ Incoming routes (for incoming traffic)</i>	<i>Country Code</i>	<b>Outgoing Traffic (Billable Minutes)</b>		<b>Incoming Traffic (Conversation Minutes)</b>	
		via PSTN from end-customers <b>1(a)</b>	via leased lines from end-customers <b>1(b)</b>	via PSTN to end-customers <b>1(c)</b>	via leased lines to end-customers <b>1(d)</b>
214 Uganda	256				
215 Ukraine	380				
216 United Arab Emirates	971				
217 United Kingdom	44				
218 United States	1				
219 United States Virgin Islands	1 340				
220 Uruguay	598				
221 Uzbekistan	998				
222 Vanuatu	678				
223 Venezuela	58				
224 Vietnam	84				
225 Wallis and Futuna	681				
226 Yemen	967				
227 Zambia	260				
228 Zimbabwe	263				
Others:					
Total:					

Notes:

1. Outgoing traffic should include Hong Kong billed reversed charge calls
2. Incoming traffic should include overseas billed reversed charge calls