1Q 2023 | COMMUNICATIONS AND MULTIMEDIA FACTS & FIGURES

Updated as of 31 March 2023

MCMC

PENETRATION RATE (%)

132.0 Mobile-broadband[2]
4Q 2022: 131.0

48.6 Fixed-broadband[1]
4Q 2022: 47.6

147.6 Mobile-cellular[2]
4Q 2022: 145.3

79.6 Pay TV[3]
4Q 2022: 80.7

BROADBAND SUBSCRIPTIONS ('000)

48,098.8 Total broadband
4Q 2022: 47,460.0

43,770.8 Mobile-broadband
4Q 2022: 42,239.5
Subscription by individual

4,327.9 Fixed-broadband
4Q 2022: 4,220.5
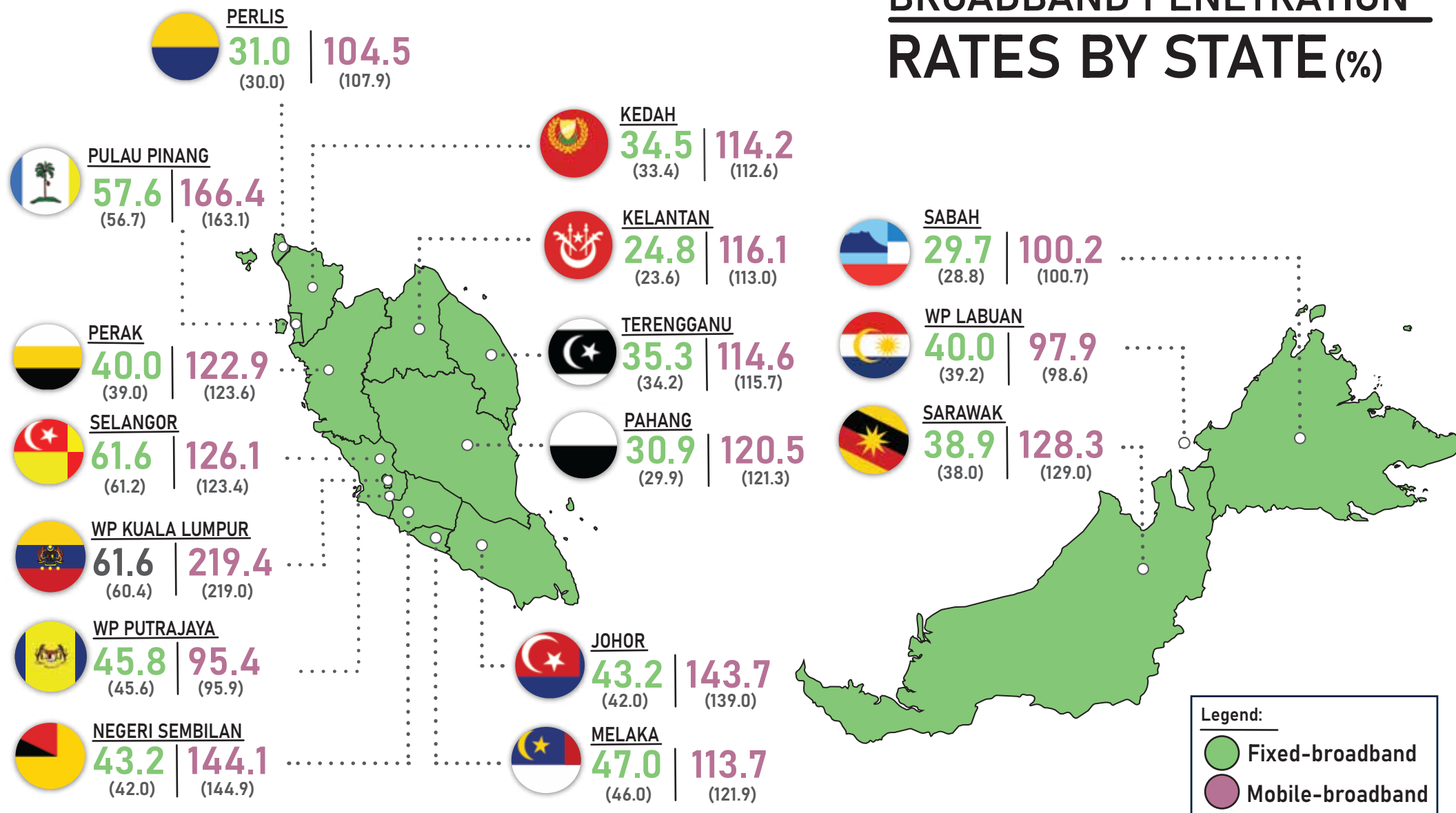*Subscription by premise, household and non-household*

Notes:
1. Fixed-broadband refers to penetration rate per 100 premises.
2. Mobile-broadband and mobile-cellular refer to penetration rate per 100 inhabitants.
3. Pay TV refers to penetration rate per 100 households.

BROADBAND PENETRATION
RATES BY STATE (%)

PERLIS
31.0 (30.0) | 104.5 (107.9)

PULAU PINANG
57.6 (56.7) | 166.4 (163.1)

PERAK
40.0 (39.0) | 122.9 (123.6)

SELANGOR
61.6 (61.2) | 126.1 (123.4)

WP KUALA LUMPUR
61.6 (60.4) | 219.4 (219.0)

WP PUTRAJAYA
45.8 (45.6) | 95.4 (95.9)

NEGERI SEMBILAN
43.2 (42.0) | 144.1 (144.9)

KEDAH
34.5 (33.4) | 114.2 (112.6)

KELANTAN
24.8 (23.6) | 116.1 (113.0)

TERENGGANU
35.3 (34.2) | 114.6 (115.7)

PAHANG
30.9 (29.9) | 120.5 (121.3)

JOHOR
43.2 (42.0) | 143.7 (139.0)

MELAKA
47.0 (46.0) | 113.7 (121.9)

SABAH
29.7 (28.8) | 100.2 (100.7)

WP LABUAN
40.0 (39.2) | 97.9 (98.6)

SARAWAK
38.9 (38.0) | 128.3 (129.0)

Legend:
- Fixed-broadband
- Mobile-broadband

Note:
1. Data in parentheses refer to 4Q 2022 data.

BROADBAND SUBSCRIPTIONS BY STATE ('000)

KELANTAN
87.9 | 2,144.3
(83.4) | (2,079.0)

PERLIS
23.3 | 304.8
(26.6) | (314.3)

KEDAH
192.3 | 2,519.7
(185.7) | (2,477.7)

PULAU PINANG
323.0 | 2,947.0
(316.1) | (2,876.7)

PERAK
298.3 | 2,947.0
(290.0) | (3,141.5)

SELANGOR
1,416.7 | 9,055.5
(1,393.3) | (8,783.6)

NEGERI SEMBILAN
160.2 | 1,777.4
(155.0) | (1,776.7)

MELAKA
141.9 | 1,161.0
(138.3) | (1,238.0)

TERENGGANU
93.7 | 1,377.3
(90.4) | (1,384.4)

PAHANG
121.7 | 1,973.5
(117.1) | (1,976.3)

WILAYAH PERSEKUTUAN[1]
488.4 | 4,500.2
(478.5) | (4,522.7)

JOHOR
534.9 | 5,877.5
(518.3) | (5,657.9)

SABAH
195.0 | 3,443.6
(188.1) | (3,453.7)

SARAWAK
250.6 | 3,218.1
(243.6) | (3,223.6)
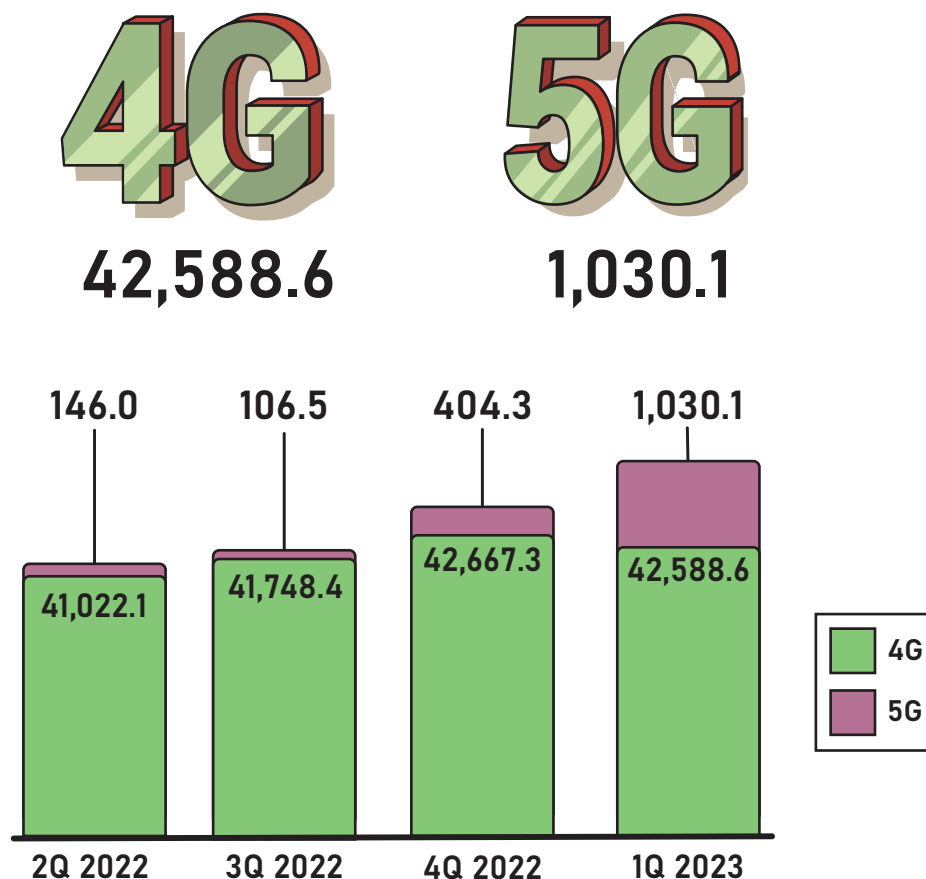
Legend:
- Fixed-broadband
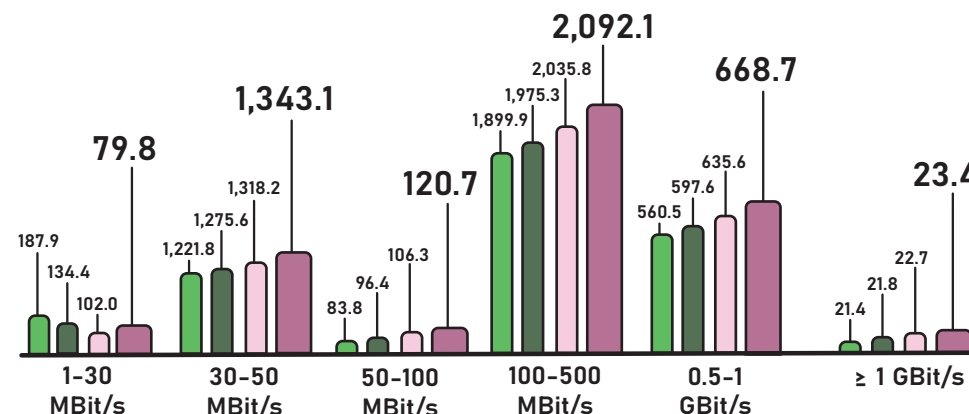- Mobile-broadband

Notes:
1. Wilayah Persekutuan is inclusive of Wilayah Persekutuan Kuala Lumpur, Wilayah Persekutuan Labuan and Wilayah Persekutuan Putrajaya.
2. Data in parentheses refer to 4Q 2022 data.
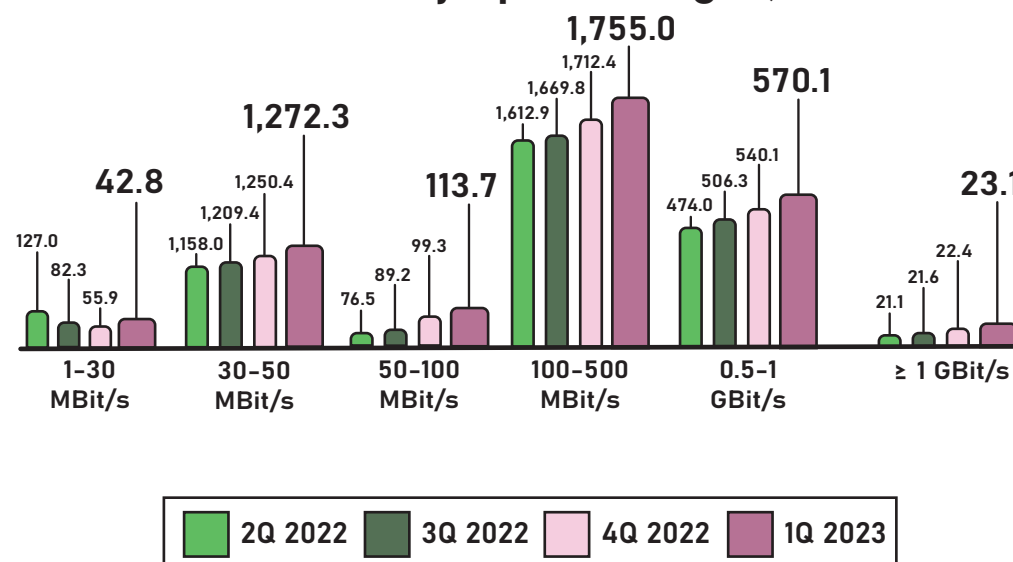
BROADBAND SUBSCRIPTIONS ('000)

a) Mobile-broadband by technology

4G 42,588.6

5G 1,030.1

	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Total (top)	146.0	106.5	404.3	1,030.1
4G	41,022.1	41,748.4	42,667.3	42,588.6

Legend: 4G, 5G

b) Fixed-broadband by speed range (Overall)

Speed range	2Q 2022	3Q 2022	4Q 2022	1Q 2023
1–30 MBit/s	187.9	134.4	102.0	79.8
30–50 MBit/s	1,221.8	1,275.6	1,318.2	1,343.1
50–100 MBit/s	83.8	96.4	106.3	120.7
100–500 MBit/s	1,899.9	1,975.3	2,035.8	2,092.1
0.5–1 GBit/s	560.5	597.6	635.6	668.7
≥ 1 GBit/s	21.4	21.8	22.7	23.4

c) Fixed-broadband by speed range (Household)

Speed range	2Q 2022	3Q 2022	4Q 2022	1Q 2023
1–30 MBit/s	127.0	82.3	55.9	42.8
30–50 MBit/s	1,158.0	1,209.4	1,250.4	1,272.3
50–100 MBit/s	76.5	89.2	99.3	113.7
100–500 MBit/s	1,612.9	1,669.8	1,712.4	1,755.0
0.5–1 GBit/s	474.0	506.3	540.1	570.1
≥ 1 GBit/s	21.1	21.6	22.4	23.1

Legend: 2Q 2022, 3Q 2022, 4Q 2022, 1Q 2023

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MCMC

MOBILE-BROADBAND COVERAGE BY STATE (%)

PERLIS
99.7 | 23.1
(99.7) | (9.5)

PULAU PINANG
99.9 | 59.7
(99.9) | (41.1)

PERAK
97.4 | 54.8
(97.3) | (37.7)

SELANGOR
99.9 | 92.7
(99.9) | (89.5)

WP KUALA LUMPUR
100.0 | 97.6
(100.0) | (97.5)

WP PUTRAJAYA
100.0 | 97.2
(100.0) | (97.1)

NEGERI SEMBILAN
98.3 | 55.2
(98.1) | (49.7)

KEDAH
98.9 | 51.4
(98.9) | (13.1)

KELANTAN
96.7 | 20.7
(96.5) | (11.7)

TERENGGANU
97.5 | 36.6
(97.4) | (10.8)

PAHANG
94.3 | 33.7
(94.2) | (18.2)

JOHOR
99.1 | 66.6
(99.1) | (52.3)

MELAKA
99.8 | 60.4
(99.7) | (51.3)

SABAH
90.4 | 31.9
(90.3) | (27.9)

WP LABUAN
99.0 | 15.4
(99.0) | (0.0)

SARAWAK
87.4 | 34.8
(87.1) | (32.4)

Legend:
5G
4G

BROADBAND
TRAFFIC

a) Broadband Traffic (Exabytes)

Fixed-broadband: 1.23, 1.18, 1.24, 1.38, 1.17, 1.19, 1.06, 1.07, 1.09, 1.08, 0.98, 1.14

Mobile-broadband: 0.92, 0.95, 0.94, 0.98, 1.00, 1.00, 1.04, 1.04, 1.09, 1.06, 0.96, 1.07

Apr. May June July Aug. Sept. Oct. Nov. Dec. — **2022** — Jan. Feb. Mar. — **2023**

Legend:
- Fixed-broadband
- Mobile-broadband
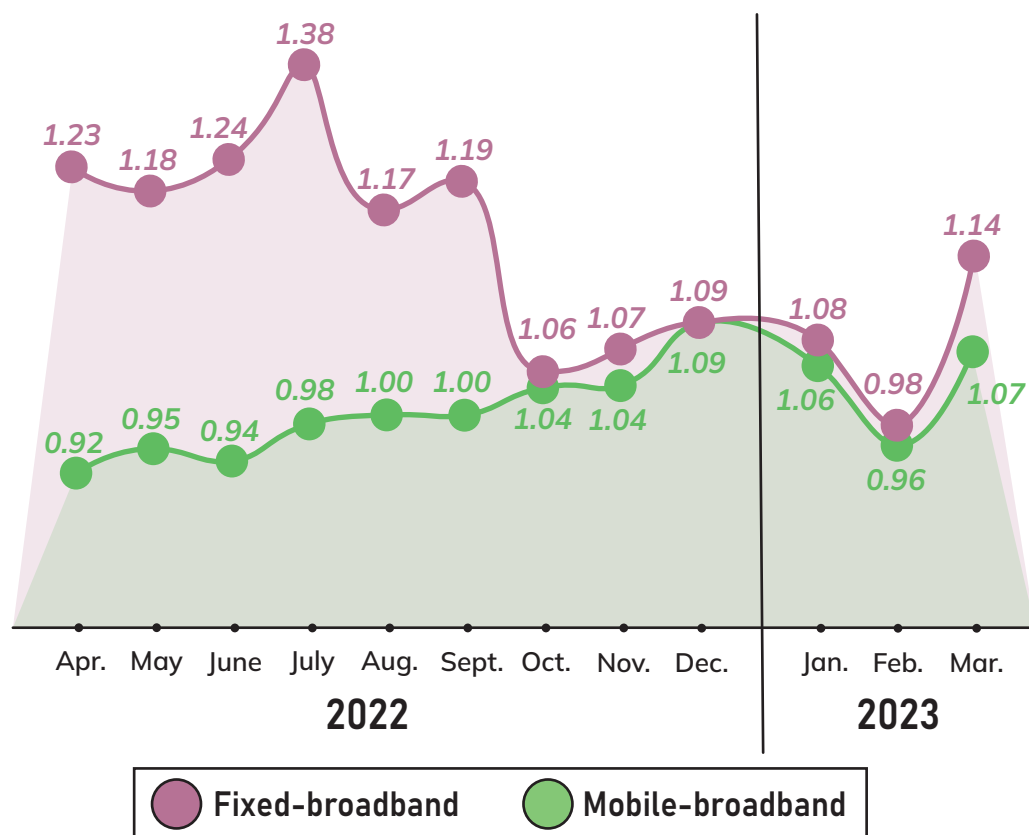
b) Fixed-broadband traffic by segment (%)

- Gaming **4.0**
- Online Meeting **1.5**
- Social Networking **17.6**
- Video Streaming **33.9**
- Others[1] **20.4**
- Web Browsing **22.6**
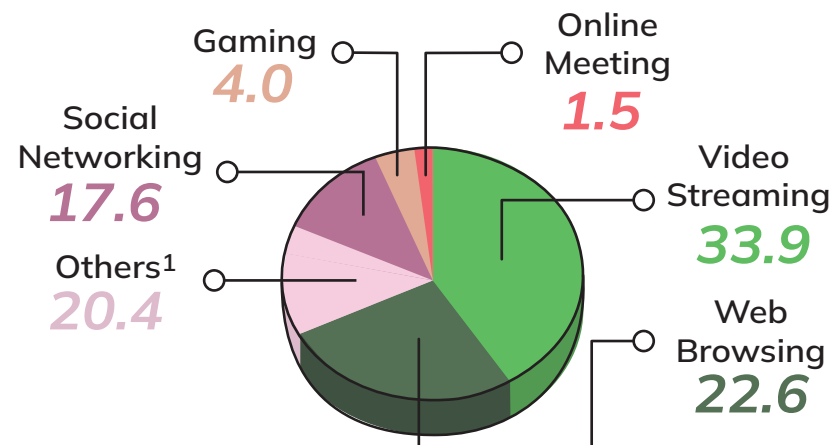
c) Mobile-broadband traffic by segment (%)

- Online Meeting **3.0**
- Gaming **1.5**
- Web Browsing **10.3**
- Video Streaming **47.7**
- Social Networking **15.4**
- Others[1] **22.0**
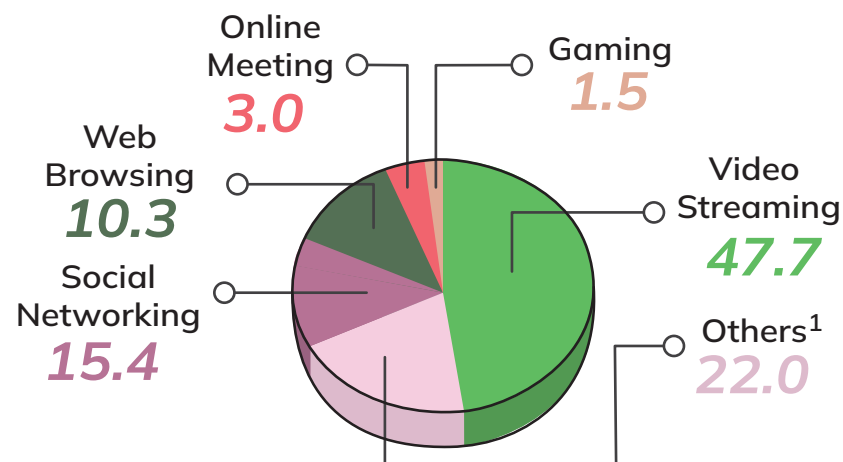
Note:
1. Others refers to audio, software updates, P2P file sharing, cloud storage, etc.
2. Exabyte = 1,000,000,000 Gigabyte.

a) Postpaid subscriptions ('000)
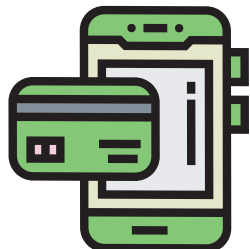
14,344.3
4Q 2022
(14,294.2)

b) Prepaid subscriptions ('000)

34,308.9
4Q 2022
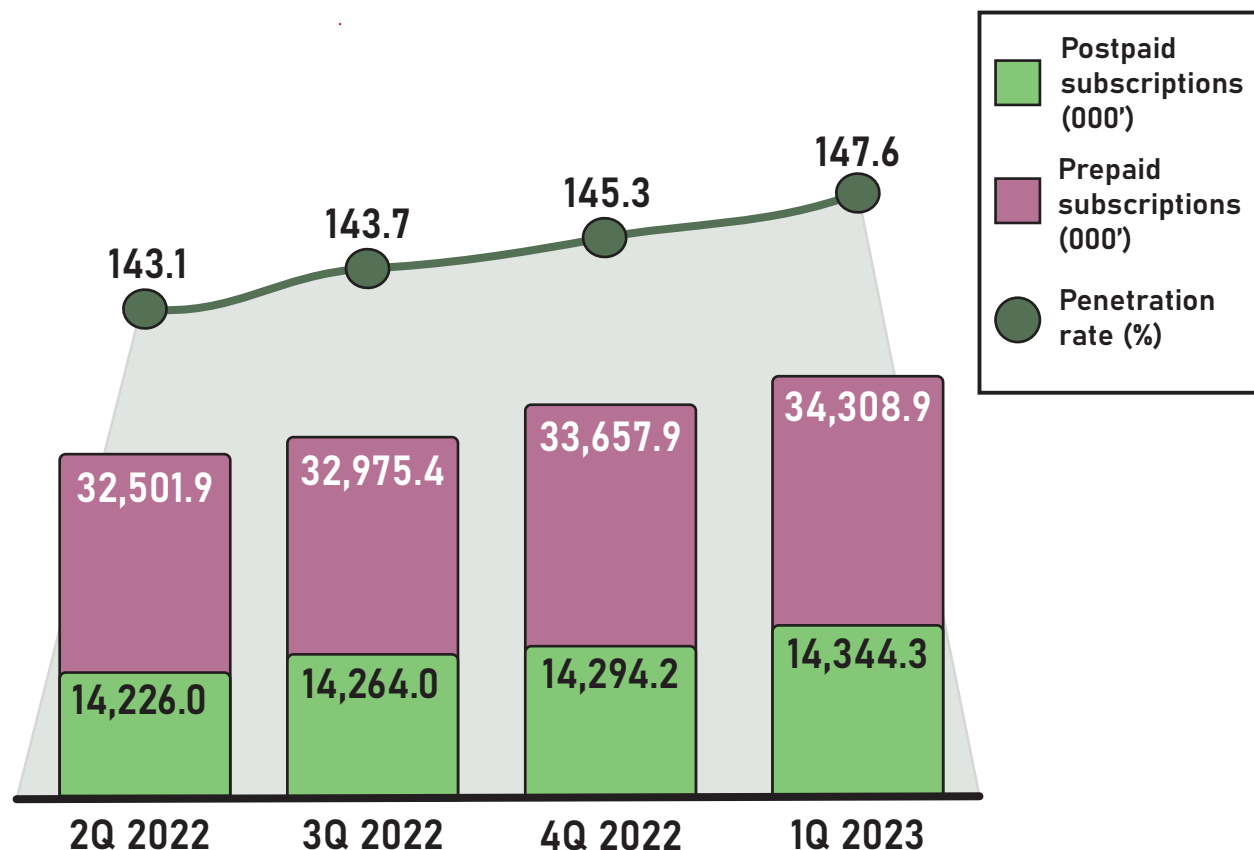(33,657.9)

c) Total SMS ('000)

359,592.3
4Q 2022
(405,358.8)

MOBILE-CELLULAR

d) Subscriptions and penetration rate per 100 inhabitants

Legend:
- Postpaid subscriptions (000')
- Prepaid subscriptions (000')
- Penetration rate (%)

Quarter	Prepaid	Postpaid	Penetration rate (%)
2Q 2022	32,501.9	14,226.0	143.1
3Q 2022	32,975.4	14,264.0	143.7
4Q 2022	33,657.9	14,294.2	145.3
1Q 2023	34,308.9	14,344.3	147.6

PAY TV

a) Pay TV Subscriptions ('000)

6,458.6
4Q 2022 (6,509.4)

=

Household ('000)
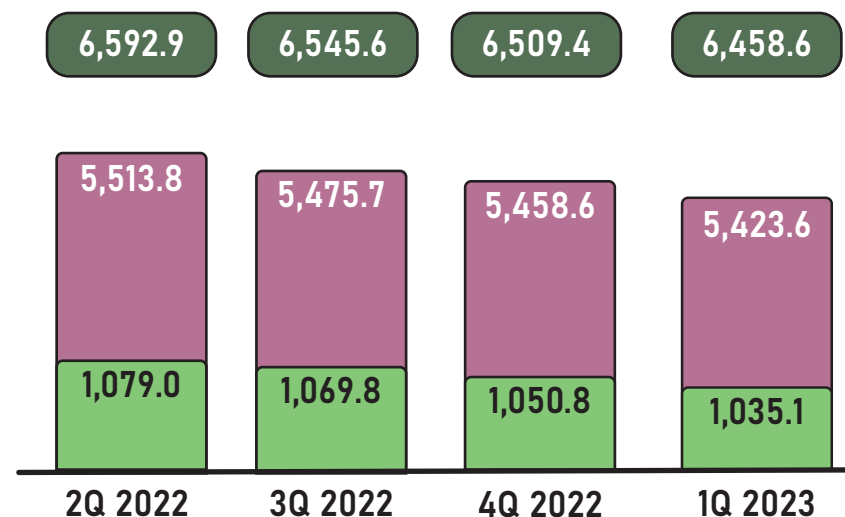
6,449.4
4Q 2022 (6,499.8)

+

Non-household ('000)

9.3
4Q 2022 (9.6)

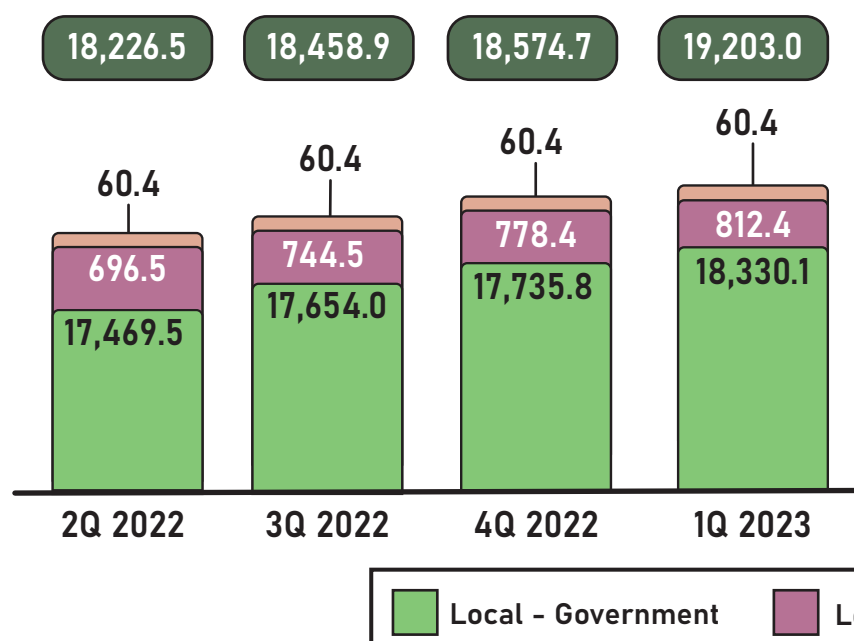## b) Subscription and Penetration rate per 100 households

	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Penetration rate (%)	82.6	81.4	80.7	79.6
Non-households	8.3	8.6	9.6	9.3
Households	6,584.6	6,536.9	6,499.8	6,449.4

Households (000') — Non-households (000') — Penetration rate (%)
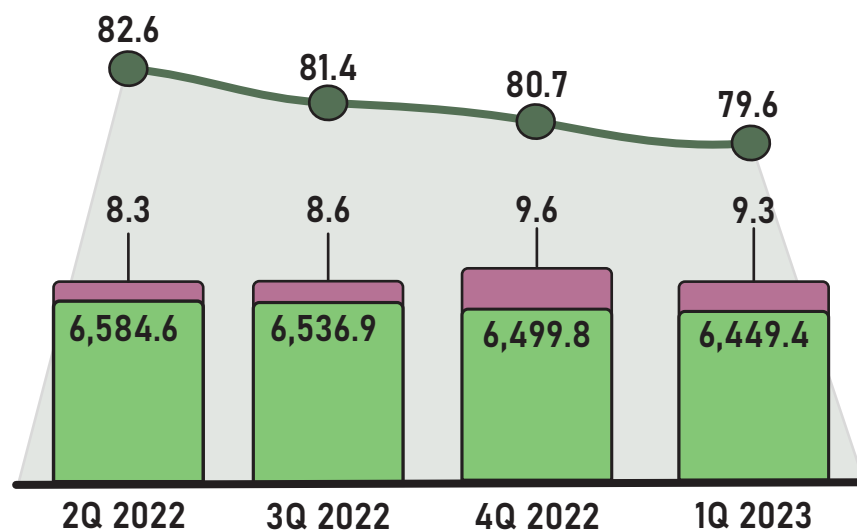
c) Subscription by technology ('000)

	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Total	6,592.9	6,545.6	6,509.4	6,458.6
Satellite	5,513.8	5,475.7	5,458.6	5,423.6
IPTV	1,079.0	1,069.8	1,050.8	1,035.1

IPTV — Satellite — Total

DIGITAL SIGNATURE

a) Accumulate number of certificates issued by type ('000)

18,226.5	18,458.9	18,574.7	19,203.0

	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Others (top)	60.4	60.4	60.4	60.4
Local – Corporate	696.5	744.5	778.4	812.4
Local – Government	17,469.5	17,654.0	17,735.8	18,330.1

b) Number of certificates issued by type by quarter ('000)

753.5	232.4	115.7	628.4

	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Others (top)	0.8	5.6	0.0	0.0
Local – Corporate	21.6	48.0	33.9	34.0
Local – Government	731.0	179.5	79.7	592.3

Legend: Local – Government | Local – Corporate | Others[1] | Total
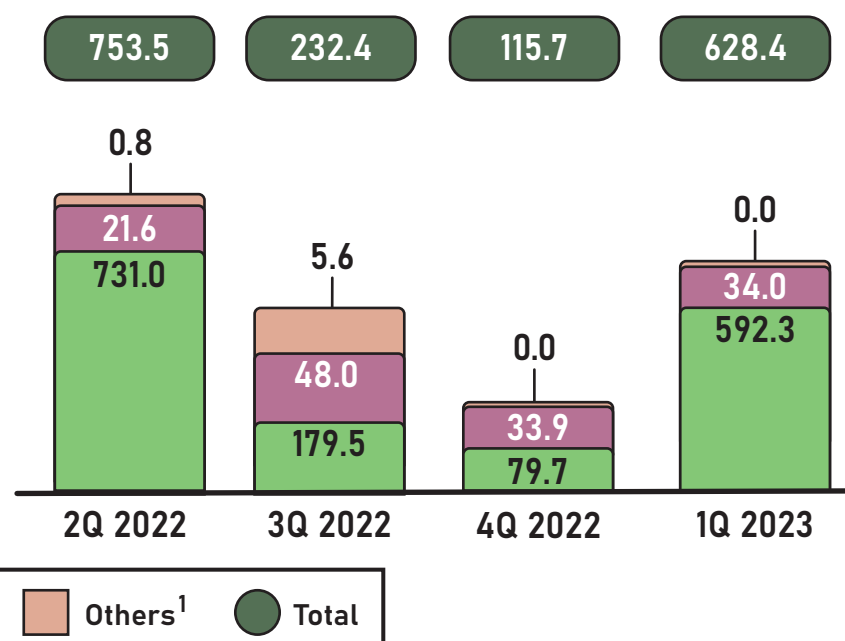
Notes:
1. Others includes Local - Individual, Foreign - Corporate, and Foreign - Government.