Effective Date: 9 April 2019

Name of Service: Singtel MetroEthernet, DigiNet, Gigawave and Meg@POP Services. *For more information refer to www.singtel.com.*

Description: Customised MetroEthernet, DigiNet, Gigawave and Meg@POP Service Scheme (**Customised Scheme**)

Prices (including discounts):

2.1.

   a) MetroEthernet Point-to-Point (**PTP**) (renewed circuits)

Bandwidth	MRC	
	Standard	PTP with Exchange Diversity
2M	470	560
4M	663	845
6M	841	1047
8M	946	1206
10M	1017	1299
20M	1130	1441
30M	1284	1636
40M	1454	1855
50M	1666	2121
60M	1920	2447
70M	2155	2746
80M	2388	3043
90M	2458	3128
100M	2497	3179
200M	2621	3341
300M	2746	3500
400M	2871	3658
500M	2996	3816
600M	3316	4222
700M	3537	4504
800M	3758	4784
900M	3936	5012
1000M	4068	5180

   b) MetroEthernet Point-to-Multipoint (**PTMP**) (renewed circuits)

Bandwidth	MRC

	Standard	PTMP with Exchange Diversity
2M	402	483
4M	470	592
6M	610	774
8M	751	951
10M	846	1070
20M	940	1185
30M	987	1246
40M	1034	1304
50M	1080	1365
60M	1127	1423
70M	1222	1543
80M	1315	1662
90M	1504	1895
100M	1591	2008
150M	1908	2408
300M	2211	2785
450M	2699	3406
600M	2874	3621
750M	3304	4167
900M	3405	4290
1000M	Waived	4569

c) Multiple VLAN

Service	MRC	OTC
Multiple VLAN	Waived	Waived

Reconfiguration charge (after initial service installation) will be at the prevailing list price of $100.

d) Standard Gigawave (renewed circuits)

Bandwidth	MRC
1.0625G	3733
1.25G	3733
2G	5615
2.5G	6687

e) Gigawave with Exchange Diversity (renewed circuits)

Bandwidth	MRC
1.0625G	4899

1.25G	4899

f) Enhanced Gigawave (renewed circuits)

Bandwidth	MRC
1.0625G	4899
1.25G	4899
2G	7300
2.5G	8678

g) Enhanced Gigawave with Exchange Diversity (renewed circuits)

Bandwidth	MRC
1.0625G	5601
1.25G	5601
2G	8386
2.5G	9991
4G	13709
10G	17210

h) Enhanced Gigawave with Path Diversity (renewed circuits)

Bandwidth	MRC
1.0625G	7613
1.25G	7613
2G	10500
2.5G	12469

i) Gigawave DC-DC (DWDM Ring) (renewed circuits)

Bandwidth	MRC
1.0625G	3063
1.25G	3063
2G	4156
2.5G	5032
4G	5616
10G	6321

j) Digilink High Speed Grooming

- Tail end circuits in this pricing table will be groomed into Digilink 155Mbps or 622Mbps head-end(s).
- Singtel reserves the right to determine whether a 155Mbps or 622Mbps head-end circuit will be installed.

- The head-end circuits shall be provided free. For the avoidance of doubt, installation OTC shall be applicable.
- The customer may request to activate a new head-end circuit only when the capacity of each existing head-end circuit has reached 80% utilisation.
- The following tail-end prices will apply regardless of whether the circuit is in a central or non-central zone
- Respective OTCs will apply for any upgrade of each tail-end circuit

Bandwidth	MRC	OTC
64k	246	400
128k	370	500
192k	514	850
256k	604	850
384k	740	850
512k	830	850
768k	1000	850
1024k	1171	850
1536k	1514	850
1984k	1810	850
2M (without Loop E Converter)	620	1000
2M (with Loop E Converter)	765	2000
2M One-end Exchange Diversity (without Loop E Converter)	930	2000
2M One-End Exchange Diversity (with Loop E Converter)	995	2000

k) Digiplus

Bandwidth	MRC (Central)	MRC (Non-Central)
64k	131	131
128k	243	243
192k	372	372
256k	453	453
384k	576	607
512k	657	688
768k	810	850
1024k	963	1012

1536k	1272	1336
1984k	1539	1620

The prevailing DigiPlus list OTC shall apply.

l) Digilink

Bandwidth	MRC (all zones)		
	Standard	One End Exchange Diversity	Both Ends Exchange Diversity
2M	650	1010	1050
45M	3400	4560	5810
155M	6170	8500	9700
622M	12100	NA	NA

The prevailing DigiLink list OTC shall apply.

m) Meg@POP EVPL Ethernetlink PTMP

- Express installation service is not offered for this service.
- Meg@POP EVPL Ethernetlink PTMP head-ends of bandwidths 100Mbps and/or 1Gbps will be provided free. For the avoidance of doubt, installation OTC shall be applicable.
- The customer may request to activate a new head-end circuit only when the capacity of each existing head-end circuit has reached 70% utilisation.

Bandwidth (Tail-end)	MRC
10M	390
20M	390
30M	476
40M	562
50M	648
60M	777
70M	906
80M	931
90M	1048
100M	1164

Standard installation OTC for the activation of each Meg@POP EVPL Ethernetlink PTMP head-end or tail-end circuits is $2,000.

n) Meg@POP EVPL Ethernetlink PTP

Bandwidth	MRC	OTC
10M	567	
20M	585	
30M	648	
40M	738	
50M	918	
60M	990	
70M	1170	
80M	1251	
90M	1386	
100M	1586	$3,000
200M	1727	
300M	1752	
400M	1881	
500M	1991	
600M	2131	
700M	2271	
800M	2411	
900M	2551	
1000M	2691	

The following discounts shall apply to the services above:
  a. Term discounts (para 2.1 a) – n)):
      i.   2 years contract term: 5% off MRC
      ii.   3 years contract term or above: 10% off MRC
  b. Volume discounts (para 2.1 m) – n)):
      i.   For a bundled order of minimum 3 new EVPL circuits submitted together:
            100% off OTC
      ii.   For a bundled offer of minimum 5 new EVPL circuits submitted together:
            100% off OTC and 10% off proposed MRC

The following tariffs below are applicable for new and/or upgraded circuits only

2.3.
  a) MetroEthernet PTP

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	400	380	360
4M	450	430	410
6M	680	650	620
8M	780	740	700
10M	820	780	740
20M	930	880	840
30M	1,060	1,010	960
40M	1,200	1,140	1,080
50M	1,280	1,220	1,160
60M	1,450	1,380	1,310
70M	1,530	1,450	1,380
80M	1,570	1,490	1,420
90M	1,610	1,530	1,450
100M	1,640	1,560	1,480
200M	2,130	2,020	1,920
300M	2,340	2,220	2,110
400M	2,460	2,340	2,220
500M	2,570	2,440	2,320
600M	2,910	2,760	2,620
700M	3,050	2,900	2,760
800M	3,250	3,090	2,940
900M	3,400	3,230	3,070
1000M	3,540	3,360	3,190

b) MetroEthernet PTP with Exchange Diversity

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	360	342	324
4M	405	387	369
6M	612	585	558
8M	702	666	630
10M	738	702	666
20M	837	792	756
30M	954	909	864
40M	1,080	1,026	972
50M	1,152	1,098	1,044
60M	1,305	1,242	1,179
70M	1,377	1,305	1,242
80M	1,413	1,341	1,278
90M	1,449	1,377	1,305
100M	1,476	1,404	1,332
200M	1,917	1,818	1,728
300M	2,106	1,998	1,899

Bandwidth	1 year	2 years	≥ 3 years
400M	2,214	2,106	1,998
500M	2,313	2,196	2,088
600M	2,619	2,484	2,358
700M	2,745	2,610	2,484
800M	2,925	2,781	2,646
900M	3,060	2,907	2,763
1000M	3,186	3,024	2,871

c) MetroEthernet PTP with Path Diversity

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	520	494	468
4M	585	559	533
6M	884	845	806
8M	1,014	962	910
10M	1,066	1,014	962
20M	1,209	1,144	1,092
30M	1,378	1,313	1,248
40M	1,560	1,482	1,404
50M	1,664	1,586	1,508
60M	1,885	1,794	1,703
70M	1,989	1,885	1,794
80M	2,041	1,937	1,846
90M	2,093	1,989	1,885
100M	2,132	2,028	1,924
200M	2,769	2,626	2,496
300M	3,042	2,886	2,743
400M	3,198	3,042	2,886
500M	3,341	3,172	3,016
600M	3,783	3,588	3,406
700M	3,965	3,770	3,588
800M	4,225	4,017	3,822
900M	4,420	4,199	3,991
1000M	4,602	4,368	4,147

d) MetroEthernet PTMP

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	290	280	270
4M	310	290	280
6M	410	390	370
8M	500	480	460
10M	550	520	490

20M	630	600	570
30M	650	620	590
40M	690	660	630
50M	720	680	650
60M	750	710	670
70M	810	770	730
80M	870	830	790
90M	1,000	950	900
100M	1,070	1,020	970
200M	1,300	1,240	1,180
300M	1,470	1,400	1,330
400M	1,640	1,560	1,480
500M	1,780	1,690	1,610
600M	1,920	1,820	1,730
700M	2,040	1,940	1,840
800M	2,150	2,040	1,940
900M	2,270	2,160	2,050

e) MetroEthernet PTMP with Exchange Diversity

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	261	252	243
4M	279	261	252
6M	369	351	333
8M	450	432	414
10M	495	468	441
20M	567	540	513
30M	585	558	531
40M	621	594	567
50M	648	612	585
60M	675	639	603
70M	729	693	657
80M	783	747	711
90M	900	855	810
100M	963	918	873
200M	1,170	1,116	1,062
300M	1,323	1,260	1,197
400M	1,476	1,404	1,332
500M	1,602	1,521	1,449
600M	1,728	1,638	1,557
700M	1,836	1,746	1,656
800M	1,935	1,836	1,746
900M	2,043	1,944	1,845

f) MetroEthernet PTMP with Path Diversity

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	377	364	351
4M	403	377	364
6M	533	507	481
8M	650	624	598
10M	715	676	637
20M	819	780	741
30M	845	806	767
40M	897	858	819
50M	936	884	845
60M	975	923	871
70M	1,053	1,001	949
80M	1,131	1,079	1,027
90M	1,300	1,235	1,170
100M	1,391	1,326	1,261
200M	1,690	1,612	1,534
300M	1,911	1,820	1,729
400M	2,132	2,028	1,924
500M	2,314	2,197	2,093
600M	2,496	2,366	2,249
700M	2,652	2,522	2,392
800M	2,795	2,652	2,522
900M	2,951	2,808	2,665

g) MetroEthernet Data-Centre to Data-Centre

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
2M	370	350	330
4M	400	380	360
6M	460	440	420
8M	510	480	460
10M	560	530	500
20M	610	580	550
30M	710	670	640
40M	800	760	720
50M	880	840	800
60M	990	940	890
70M	1,110	1,050	1,000
80M	1,240	1,180	1,120
90M	1,290	1,230	1,170
100M	1,330	1,260	1,200
200M	1,530	1,450	1,380
300M	1,610	1,530	1,450

400M	1,670	1,590	1,510
500M	1,740	1,650	1,570
600M	1,820	1,730	1,640
700M	1,940	1,840	1,750
800M	2,070	1,970	1,870
900M	2,160	2,050	1,950
1000M	2,210	2,100	2,000

h) Standard Gigawave

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
1.0625/1.25G	3,050	2,900	2,780
2G	4,250	4,050	3,870
2.5G	5,050	4,810	4,590
4G	5,650	5,370	5,120
10G	7,150	6,800	6,500
100G	36,100	34,300	32,630

i) Gigawave with Path Diversity

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
1.0625/1.25G	3,720	3,540	3,380
2G	5,530	5,260	5,020
2.5G	6,580	6,260	5,970
4G	7,350	6,990	6,660
10G	8,250	7,850	7,500
100G	44,600	42,380	40,280

j) Enhanced Gigawave

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
1.0625/1.25G	3,820	3,630	3,440
2G	5,620	5,350	5,080
2.5G	6,670	6,350	6,040
4G	7,440	7,070	6,720
10G	8,550	8,130	7,720
100G	45,300	43,050	40,900

k) Enhanced Gigawave with Path Diversity

Bandwidth	MRC

	1 year	2 years	≥ 3 years
1.0625/1.25G	4,660	4,430	4,200
2G	7,020	6,670	6,340
2.5G	8,360	7,950	7,560
4G	9,340	8,890	8,440
10G	10,480	9,970	9,480
100G	54,720	51,990	49,400

l) Gigawave DC-DC

Bandwidth	MRC		
	1 year	2 years	≥ 3 years
1.0625/1.25G	2,250	2,140	2,040
2G	3,400	3,240	3,080
2.5G	3,500	3,320	3,160
4G	3,800	3,620	3,440
10G	3,900	3,800	3,610
100G	26,300	24,990	23,740

m) Installation OTC (per site) for new and upgraded MetroEthernet and Gigawave circuits

Contract Term	OTC ($ per site)	
	Normal	Express
1 year	50% off prevailing list price	Prevailing list price
≥ 2 years	Waived	50% off prevailing list price

n) Relocation OTC for MetroEthernet circuits

Bandwidth	OTC ($ per site)	
	Normal	Express
2M-8M	Prevailing list price	
≥10M		

(with effect from 29 November ~~December~~ 2019) The customer will be eligible to subscribe to MetroEthernet with Exchange Diversity with a DigiNet circuit under the Customised Scheme. For avoidance of doubt, both circuits must be offered under the Customised Scheme.

Terms and Conditions:

1. The contract term for the Customised Scheme is one (1) year.

2. The minimum contract term for the services subscribed under the Customised Scheme is one (1) year.

3. The services subscribed under the Customised Scheme are subject to resource availability.

4. The customer shall not resell the service(s) subscribed under the Customised Scheme "as is", or as a standalone service but may use the service(s) as part of its own network to offer its own services.

5. For all PTP services subscribed under the Customised Scheme, one end must be at the customer's POP site and the other end must be at the end customer's premises. For all PTMP services subscribed under the Customised Scheme, the head-end must be at the customer's POP site and the tail ends must be at the end customer's premises.

6. MetroEthernet PTMP head-ends:

    a. 1Gbps MetroEthernet PTMP head-ends will be provided free under the Customised Scheme as long as all existing head-ends have a minimum 70% utilisation. Applicable activation or relocation OTC is $2,000 (standard), $4,000 (express). In the event that the customer is unable to meet the utilisation, the customer may subscribe to the 1Gbps MetroEthernet PTMP head-end at the prevailing list prices;
    b. 10Gbps MetroEthernet PTMP head-ends will be provided free under the Customised Scheme as long as the new head-end has a minimum 50% utilisation after the upgrade/migration. Applicable activation or relocation OTC is $4,000 (standard), $8,000 (express).

7. Circuits subscribed under the Customised Scheme will continue at the customised prices after expiry of the circuit contract term.

8. Subject to paragraph 9 and 10, if the customer terminates the service(s) subscribed under the Customised Scheme during the contract term of the service(s), the customer shall be liable for a premature termination charge (**PTC**) of 100% of the remaining contract term.

9. The customer shall enjoy a PTC waiver for up to 25 circuits within the Customised Scheme contract term, subject to the following conditions:

   a. Circuits with a contract term of one (1) year must have fulfilled at least 755 of their contract term (i.e. nine (9) months);
   b. Circuits with a contract term of two (2) years or more must have fulfilled at least 50% of their contract term.

10. For service(s) renewed under the Customised Scheme that are terminated during the contract term of the service(s), PTC shall be waived. However, where the current price is lower than the previous price, the customer shall pay Singtel the difference between these prices multiplied by the number of months that the service was active. For example, a service that was previously charged an MRC of $100 was renewed under the Customised Scheme at an MRC of $90 on 1 January and terminated on 1 March, the customer shall pay Singtel ($100-$90) * 2 months = $20.

11. All other standard prices, terms and conditions of the Singtel MetroEthernet, DigiNet, Gigawave and Meg@POP services shall remain applicable.

Eligibility:

The Customised Scheme will be offered to all similarly situated customers who satisfy the following criteria:
   a) has or is willing to commit to a minimum annual spend of $8.8 million on Singtel Group services. If the customer fails to meet the minimum annual spend, the customer must pay the shortfall;
   b) is a duly licensed Facilities-Based Operator (**FBO**) or Services-Based Operator (**SBO**); and
   c) accepts the terms and conditions of the Customised Scheme in its entirety.