

Effective Date: 5 November 2014

Name of Service: Singtel Meg@POP and MetroEthernet services

For details, refer to www.singtel.com

Description: Customised Meg@POP and MetroEthernet service package
(Customised Package)

Prices (including discounts):

Please see Annex 1 for the applicable prices. The prices will be applicable to all new, upgraded and renewed circuits subscribed under the Customised Package.

The prices include customer premise equipment (**CPE**). The CPE and the circuit cannot be unbundled for separate pricing.

Layer 2 point-to-point circuits are quoted on a full circuit basis (with bundled CPE for both ends). All other circuits/services are quoted on a half-circuit basis (with one bundled CPE).

In the event that Singtel fails to meet the stipulated minimum service level requirements, the customer may impose a charge of 2% of the monthly recurring charge (**MRC**) or \$160 (whichever is lower) for each occasion of such failure, up to a maximum of 10% of each month's MRC or \$20,000 (whichever is lower) per month.

Key Terms and Conditions:

1. The contract term of the Customised Package will be 3 years, with an option to extend for 2 years.
2. The contract term of the circuits subscribed under the Customised Package will be either 1 month, 1 year, 2 years or 3 years.
3. Diversity circuits may only be subscribed to in conjunction with a main circuit.
4. The customer shall not resell the services offered under the Customised Package "as is" or as a standalone product.
5. There will be no auto renewal of the Customised Package. For any service required after the contract term, the customer will have to re-negotiate with Singtel.
6. **(With effect from 5 August 2019)** Circuits subscribed under the Customised Package will continue at the customised prices after the expiry of the circuit contract term.
7. The services offered under the Customised Package is subject to resource availability.
8. No other discounts or promotions shall be applicable to the Customised Package.
9. The customer shall have the right to reduce the number of circuits subscribed without penalty or compensation, due to site closures, if a minimum notice period of 6 months is given to Singtel during the subscription period of the circuit. Singtel shall also allow

the termination or transfer of circuits/services subscribed for sites that are closed or merged without extending the subscription period of the circuit.

10. The delivery timeframe for standard one-time charge (**OTC**) is 1 calendar month upon the receipt of order from the customer. The delivery timeframe for express OTC is 1 calendar week upon the receipt of order from the customer.
11. All other standard prices, terms and conditions of Singtel Meg@POP service and MetroEthernet service shall remain applicable.

Eligibility:

The Customised Package is available to all similarly-situated customers who accept the terms and conditions of the Customised Package in its entirety.

(with effect from 12 September 2018) System integrators may procure services on behalf of the customer subscribing to the Customised Package, subject to Singtel's verification that these services are intended for the customer.

Product: Meg@POP EVPL E-Access

Contract Period: 1 month

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		point to point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	6534	6478	6402	5984	CISCO1921/K9
20		1431	1626	7440	7366	7264	6828	CISCO1941/K9
30		1431	1626	8986	8888	8750	8288	CISCO2901/K9
40		1431	1626	11982	11852	11668	11170	CISCO2921/K9
50		1431	1626	12400	12238	12008	11476	CISCO2921/K9
60		1431	1626	20180	19986	19708	19142	CISCO2951/K9
70		1431	1626	20598	20372	20048	19446	CISCO2951/K9
80		1680	1875	25800	25540	25170	24536	CISCO3925/K9
90		1680	1875	26218	25926	25510	24840	CISCO3925/K9
100		1680	1875	26638	26314	25850	25146	CISCO3925/K9
100	AE	1680	1875	26638	26314	25850	25504	CISCO3925/K9
150		1680	1875	27597	27293	26858	26533	CISCO3945/K9
200		1680	1875	28555	28272	27866	27563	CISCO3925E/K9
300		1680	1875	29514	29250	28873	28592	CISCO3945E/K9
400		3912	4106	30472	30229	29881	29622	ASR1001
500		3912	4106	32389	32187	31897	31681	ASR1001
600		3912	4106	34307	34145	33913	33740	ASR1001
700		3912	4106	36224	36102	35928	35798	ASR1001
800		3912	4106	38141	38060	37944	37857	ASR1001
900		3912	4106	40058	40017	39959	39916	ASR1001
1000	3912	4106	41975	41975	41975	41975	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model	
		Service Availability: 99.95%							
		point to multi-point (non-residential – non-residential)							
		OTC (standard)	OTC (express)	MRC for CoS					
A	B			C	D				
10	GPON	1431	1626	3430	3401	3361	3142	CISCO1921/K9	
20		1431	1626	3906	3867	3814	3585	CISCO1941/K9	
30		1431	1626	4718	4666	4594	4351	CISCO2901/K9	
40		1431	1626	6291	6222	6126	5864	CISCO2921/K9	
50		1431	1626	6510	6425	6304	6025	CISCO2921/K9	
60		1431	1626	10595	10493	10347	10050	CISCO2951/K9	
70		1431	1626	10814	10695	10525	10209	CISCO2951/K9	
80		1680	1875	13545	13409	13214	12881	CISCO3925/K9	
90		1680	1875	13764	13611	13393	13041	CISCO3925/K9	
100		1680	1875	13985	13815	13571	13202	CISCO3925/K9	
100		AE	1680	1875	13985	13815	13571	13390	CISCO3925/K9
150			1680	1875	22109	21772	21285	20924	CISCO3945/K9
200	1680		1875	24631	24250	23708	23305	CISCO3925E/K9	
300	1680		1875	29611	29101	28371	27827	CISCO3945E/K9	
400	3912		4106	35844	35162	34190	33465	ASR1001	
500	3912		4106	38049	37197	35981	35075	ASR1001	
600	3912		4106	40254	39232	37774	36686	ASR1001	
700	3912		4106	42459	41267	39565	38296	ASR1001	
800	3912		4106	44664	43302	41357	39906	ASR1001	
900	3912		4106	46869	45337	43149	41517	ASR1001	
1000	3912		4106	49075	47373	44941	43128	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3430	3401	3361	3142	CISCO1921/K9
20		1431	1626	3906	3867	3814	3585	CISCO1941/K9
30		1431	1626	4718	4666	4594	4351	CISCO2901/K9
40		1431	1626	6291	6222	6126	5864	CISCO2921/K9
50		1431	1626	6510	6425	6304	6025	CISCO2921/K9
60		1431	1626	10595	10493	10347	10050	CISCO2951/K9
70		1431	1626	10814	10695	10525	10209	CISCO2951/K9
80		1680	1875	13545	13409	13214	12881	CISCO3925/K9
90		1680	1875	13764	13611	13393	13041	CISCO3925/K9
100		1680	1875	13985	13815	13571	13202	CISCO3925/K9
100		AE	1680	1875	13985	13815	13571	13390
150	1680		1875	22109	21772	21285	20924	CISCO3945/K9
200	1680		1875	24631	24250	23708	23305	CISCO3925E/K9
300	1680		1875	29611	29101	28371	27827	CISCO3945E/K9
400	3912		4106	35844	35162	34190	33465	ASR1001
500	3912		4106	38049	37197	35981	35075	ASR1001
600	3912		4106	40254	39232	37774	36686	ASR1001
700	3912		4106	42459	41267	39565	38296	ASR1001
800	3912		4106	44664	43302	41357	39906	ASR1001
900	3912		4106	46869	45337	43149	41517	ASR1001
1000	3912		4106	49075	47373	44941	43128	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	6664.68	6607.56	6530.04	6103.68	CISCO1921/K9
20		1431	1626	7588.8	7513.32	7409.28	6964.56	CISCO1941/K9
30		1431	1626	9165.72	9065.76	8925	8453.76	CISCO2901/K9
40		1431	1626	12221.64	12089.04	11901.36	11393.4	CISCO2921/K9
50		1431	1626	12648	12482.76	12248.16	11705.52	CISCO2921/K9
60		1431	1626	20583.6	20385.72	20102.16	19524.84	CISCO2951/K9
70		1431	1626	21009.96	20779.44	20448.96	19834.92	CISCO2951/K9
80		1680	1875	26316	26050.8	25673.4	25026.72	CISCO3925/K9
90		1680	1875	26742.36	26444.52	26020.2	25336.8	CISCO3925/K9
100		1680	1875	27170.76	26840.28	26367	25648.92	CISCO3925/K9
100		AE	1680	1875	27170.76	26840.28	26367	26014.08
150	1680		1875	28148	27839	27395	27064	CISCO3945/K9
200	1680		1875	29126	28837	28423	28114	CISCO3925E/K9
300	1680		1875	30104	29835	29451	29164	CISCO3945E/K9
400	3912		4106	31082	30834	30479	30214	ASR1001
500	3912		4106	33037	32831	32535	32314	ASR1001
600	3912		4106	34993	34827	34591	34414	ASR1001
700	3912		4106	36948	36824	36647	36514	ASR1001
800	3912		4106	38904	38821	38703	38614	ASR1001
900	3912		4106	40859	40818	40759	40714	ASR1001
1000	3912		4106	42815	42815	42815	42815	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to multi-point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3499.65	3469.2	3429.3	3204.6	CISCO1921/K9
20		1431	1626	3984.75	3944.85	3890.25	3657.15	CISCO1941/K9
30		1431	1626	4812.15	4759.65	4686.15	4438.35	CISCO2901/K9
40		1431	1626	6416.55	6347.25	6248.55	5981.85	CISCO2921/K9
50		1431	1626	6640.2	6554.1	6431.25	6145.65	CISCO2921/K9
60		1431	1626	10806.6	10702.65	10554.6	10251.15	CISCO2951/K9
70		1431	1626	11030.25	10909.5	10736.25	10413.9	CISCO2951/K9
80		1680	1875	13815.9	13677.3	13478.85	13139.7	CISCO3925/K9
90		1680	1875	14040.6	13884.15	13661.55	13302.45	CISCO3925/K9
100		1680	1875	14265.3	14092.05	13843.2	13466.25	CISCO3925/K9
100		AE	1680	1875	14265.3	14092.05	13843.2	13658.4
150	1680		1875	22551.9	22207.5	21710.85	21343.35	CISCO3945/K9
200	1680		1875	25124.4	24734.85	24182.55	23770.95	CISCO3925E/K9
300	1680		1875	30204.3	29683.5	28939.05	28384.65	CISCO3945E/K9
400	3912		4106	36561	35865.9	34874.7	34134.45	ASR1001
500	3912		4106	38810.1	37941.75	36701.7	35777.7	ASR1001
600	3912		4106	41059.2	40017.6	38529.75	37419.9	ASR1001
700	3912		4106	43308.3	42093.45	40356.75	39062.1	ASR1001
800	3912		4106	45557.4	44168.25	42184.8	40705.35	ASR1001
900	3912		4106	47806.5	46244.1	44011.8	42347.55	ASR1001
1000	3912	4106	50056.65	48321	45840.9	43990.8	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3499.65	3469.2	3429.3	3204.6	CISCO1921/K9
20		1431	1626	3984.75	3944.85	3890.25	3657.15	CISCO1941/K9
30		1431	1626	4812.15	4759.65	4686.15	4438.35	CISCO2901/K9
40		1431	1626	6416.55	6347.25	6248.55	5981.85	CISCO2921/K9
50		1431	1626	6640.2	6554.1	6431.25	6145.65	CISCO2921/K9
60		1431	1626	10806.6	10702.65	10554.6	10251.15	CISCO2951/K9
70		1431	1626	11030.25	10909.5	10736.25	10413.9	CISCO2951/K9
80		1680	1875	13815.9	13677.3	13478.85	13139.7	CISCO3925/K9
90		1680	1875	14040.6	13884.15	13661.55	13302.45	CISCO3925/K9
100		1680	1875	14265.3	14092.05	13843.2	13466.25	CISCO3925/K9
100		AE	1680	1875	14265.3	14092.05	13843.2	13658.4
150	1680		1875	22551.9	22207.5	21710.85	21343.35	CISCO3945/K9
200	1680		1875	25124.4	24734.85	24182.55	23770.95	CISCO3925E/K9
300	1680		1875	30204.3	29683.5	28939.05	28384.65	CISCO3945E/K9
400	3912		4106	36561	35865.9	34874.7	34134.45	ASR1001
500	3912		4106	38810.1	37941.75	36701.7	35777.7	ASR1001
600	3912		4106	41059.2	40017.6	38529.75	37419.9	ASR1001
700	3912		4106	43308.3	42093.45	40356.75	39062.1	ASR1001
800	3912		4106	45557.4	44168.25	42184.8	40705.35	ASR1001
900	3912		4106	47806.5	46244.1	44011.8	42347.55	ASR1001
1000	3912	4106	50056.65	48321	45840.9	43990.8	ASR1001	

Product: Meg@POP EVPL E-Access

Contract Period: 1 year

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		point to point (non-residential – non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1162	1138	1104	928	CISCO1921/K9
20		1431	1626	1350	1320	1276	1090	CISCO1941/K9
30		1431	1626	1700	1600	1550	1350	CISCO2901/K9
40		1431	1626	2034	1980	1900	1690	CISCO2921/K9
50		1431	1626	2390	2270	2160	1950	CISCO2921/K9
60		1431	1626	3078	2994	2876	2636	CISCO2951/K9
70		1431	1626	3256	3160	3020	2766	CISCO2951/K9
80		1680	1875	3880	3770	3612	3340	CISCO3925/K9
90		1680	1875	4058	3934	3756	3470	CISCO3925/K9
100		1680	1875	4236	4098	3900	3602	CISCO3925/K9
100	AE	1680	1875	4236	4098	3900	3754	CISCO3925/K9
150		1680	1875	4440	4319	4146	4018	CISCO3945/K9
200		1680	1875	4644	4541	4392	4283	CISCO3925E/K9
300		1680	1875	4750	4750	4750	4750	CISCO3945E/K9
400		3912	4106	4920	4910	4860	4840	ASR1001
500		3912	4106	5053	4984	4885	4890	ASR1001
600		3912	4106	5257	5205	5131	5135	ASR1001
700		3912	4106	5461	5427	5377	5380	ASR1001
800		3912	4106	5600	5590	5580	5570	ASR1001
900		3912	4106	5735	5730	5725	5720	ASR1001
1000	3912	4106	5870	5870	5870	5870	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	610	597	580	487	CISCO1921/K9
20		1431	1626	709	693	670	572	CISCO1941/K9
30		1431	1626	848	826	796	692	CISCO2901/K9
40		1431	1626	1068	1040	998	887	CISCO2921/K9
50		1431	1626	1162	1126	1074	956	CISCO2921/K9
60		1431	1626	1616	1572	1510	1384	CISCO2951/K9
70		1431	1626	1709	1659	1586	1452	CISCO2951/K9
80		1680	1875	2037	1979	1896	1754	CISCO3925/K9
90		1680	1875	2130	2065	1972	1822	CISCO3925/K9
100		1680	1875	2224	2151	2048	1891	CISCO3925/K9
100		AE	1680	1875	2224	2151	2048	1971
150	1680		1875	4165	4022	3814	3660	CISCO3945/K9
200	1680		1875	4669	4508	4277	4104	CISCO3925E/K9
300	1680		1875	5776	5559	5248	5017	CISCO3945E/K9
400	3912		4106	7091	6801	6387	6077	ASR1001
500	3912		4106	8030	7668	7149	6764	ASR1001
600	3912		4106	8969	8534	7913	7450	ASR1001
700	3912		4106	9909	9402	8676	8135	ASR1001
800	3912		4106	10848	10268	9440	8821	ASR1001
900	3912		4106	11787	11134	10203	9508	ASR1001
1000	3912		4106	12726	12002	10966	10193	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	610	597	580	487	CISCO1921/K9
20		1431	1626	709	693	670	572	CISCO1941/K9
30		1431	1626	848	826	796	692	CISCO2901/K9
40		1431	1626	1068	1040	998	887	CISCO2921/K9
50		1431	1626	1162	1126	1074	956	CISCO2921/K9
60		1431	1626	1616	1572	1510	1384	CISCO2951/K9
70		1431	1626	1709	1659	1586	1452	CISCO2951/K9
80		1680	1875	2037	1979	1896	1754	CISCO3925/K9
90		1680	1875	2130	2065	1972	1822	CISCO3925/K9
100		1680	1875	2224	2151	2048	1891	CISCO3925/K9
100		AE	1680	1875	2224	2151	2048	1971
150	1680		1875	4165	4022	3814	3660	CISCO3945/K9
200	1680		1875	4669	4508	4277	4104	CISCO3925E/K9
300	1680		1875	5776	5559	5248	5017	CISCO3945E/K9
400	3912		4106	7091	6801	6387	6077	ASR1001
500	3912		4106	8030	7668	7149	6764	ASR1001
600	3912		4106	8969	8534	7913	7450	ASR1001
700	3912		4106	9909	9402	8676	8135	ASR1001
800	3912		4106	10848	10268	9440	8821	ASR1001
900	3912		4106	11787	11134	10203	9508	ASR1001
1000	3912		4106	12726	12002	10966	10193	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1185	1161	1126	947	CISCO1921/K9
20		1431	1626	1377	1346	1302	1112	CISCO1941/K9
30		1431	1626	1734	1632	1581	1377	CISCO2901/K9
40		1431	1626	2075	2020	1938	1724	CISCO2921/K9
50		1431	1626	2438	2315	2203	1989	CISCO2921/K9
60		1431	1626	3140	3054	2934	2689	CISCO2951/K9
70		1431	1626	3321	3223	3080	2821	CISCO2951/K9
80		1680	1875	3958	3845	3684	3407	CISCO3925/K9
90		1680	1875	4139	4013	3831	3539	CISCO3925/K9
100		1680	1875	4321	4180	3978	3674	CISCO3925/K9
100		AE	1680	1875	4321	4180	3978	3829
150	1680		1875	4529	4406	4229	4099	CISCO3945/K9
200	1680		1875	4737	4632	4480	4369	CISCO3925E/K9
300	1680		1875	4845	4845	4845	4845	CISCO3945E/K9
400	3912		4106	5018	5008	4957	4937	ASR1001
500	3912		4106	5154	5084	4983	4988	ASR1001
600	3912		4106	5362	5309	5234	5238	ASR1001
700	3912		4106	5571	5535	5485	5487	ASR1001
800	3912		4106	5712	5702	5692	5681	ASR1001
900	3912		4106	5850	5844	5839	5834	ASR1001
1000	3912		4106	5987	5987	5987	5987	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	623	610	592	498	CISCO1921/K9
20		1431	1626	723	708	684	584	CISCO1941/K9
30		1431	1626	866	843	813	707	CISCO2901/K9
40		1431	1626	1090	1061	1017	905	CISCO2921/K9
50		1431	1626	1187	1149	1096	975	CISCO2921/K9
60		1431	1626	1649	1603	1540	1412	CISCO2951/K9
70		1431	1626	1744	1693	1618	1482	CISCO2951/K9
80		1680	1875	2078	2019	1935	1789	CISCO3925/K9
90		1680	1875	2174	2107	2012	1859	CISCO3925/K9
100		1680	1875	2269	2195	2088	1930	CISCO3925/K9
100		AE	1680	1875	2269	2195	2088	2011
150	1680		1875	4249	4102	3890	3734	CISCO3945/K9
200	1680		1875	4763	4598	4363	4187	CISCO3925E/K9
300	1680		1875	5893	5670	5353	5118	CISCO3945E/K9
400	3912		4106	7233	6937	6515	6199	ASR1001
500	3912		4106	8191	7823	7293	6900	ASR1001
600	3912		4106	9149	8706	8071	7599	ASR1001
700	3912		4106	10107	9591	8850	8298	ASR1001
800	3912		4106	11065	10474	9629	8999	ASR1001
900	3912		4106	12024	11358	10408	9699	ASR1001
1000	3912		4106	12981	12242	11186	10398	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	623	610	592	498	CISCO1921/K9
20		1431	1626	723	708	684	584	CISCO1941/K9
30		1431	1626	866	843	813	707	CISCO2901/K9
40		1431	1626	1090	1061	1017	905	CISCO2921/K9
50		1431	1626	1187	1149	1096	975	CISCO2921/K9
60		1431	1626	1649	1603	1540	1412	CISCO2951/K9
70		1431	1626	1744	1693	1618	1482	CISCO2951/K9
80		1680	1875	2078	2019	1935	1789	CISCO3925/K9
90		1680	1875	2174	2107	2012	1859	CISCO3925/K9
100		1680	1875	2269	2195	2088	1930	CISCO3925/K9
100		AE	1680	1875	2269	2195	2088	2011
150	1680		1875	4249	4102	3890	3734	CISCO3945/K9
200	1680		1875	4763	4598	4363	4187	CISCO3925E/K9
300	1680		1875	5893	5670	5353	5118	CISCO3945E/K9
400	3912		4106	7233	6937	6515	6199	ASR1001
500	3912		4106	8191	7823	7293	6900	ASR1001
600	3912		4106	9149	8706	8071	7599	ASR1001
700	3912		4106	10107	9591	8850	8298	ASR1001
800	3912		4106	11065	10474	9629	8999	ASR1001
900	3912		4106	12024	11358	10408	9699	ASR1001
1000	3912		4106	12981	12242	11186	10398	ASR1001

Product: Meg@POP EVPL E-Access

Contract Period: 2 years

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1104	1081	1049	882	CISCO1921/K9
20		1431	1626	1283	1254	1212	1036	CISCO1941/K9
30		1431	1626	1615	1520	1473	1283	CISCO2901/K9
40		1431	1626	1932	1881	1805	1606	CISCO2921/K9
50		1431	1626	2271	2157	2052	1853	CISCO2921/K9
60		1431	1626	2924	2844	2732	2504	CISCO2951/K9
70		1431	1626	3093	3002	2869	2628	CISCO2951/K9
80		1680	1875	3686	3582	3431	3173	CISCO3925/K9
90		1680	1875	3855	3737	3568	3297	CISCO3925/K9
100		1680	1875	4024	3893	3705	3422	CISCO3925/K9
100		AE	1680	1875	4024	3893	3705	3566
150	1680		1875	4218	4104	3939	3818	CISCO3945/K9
200	1680		1875	4412	4314	4173	4069	CISCO3925E/K9
300	1680		1875	4513	4513	4513	4513	CISCO3945E/K9
400	3912		4106	4674	4665	4617	4598	ASR1001
500	3912		4106	4800	4735	4641	4646	ASR1001
600	3912		4106	4994	4945	4875	4878	ASR1001
700	3912		4106	5188	5156	5108	5111	ASR1001
800	3912		4106	5320	5311	5301	5292	ASR1001
900	3912		4106	5448	5443	5439	5434	ASR1001
1000	3912	4106	5576	5576	5576	5576	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	580	568	551	463	CISCO1921/K9
20		1431	1626	673	658	636	544	CISCO1941/K9
30		1431	1626	806	785	756	657	CISCO2901/K9
40		1431	1626	1014	988	948	843	CISCO2921/K9
50		1431	1626	1104	1069	1020	908	CISCO2921/K9
60		1431	1626	1535	1493	1434	1315	CISCO2951/K9
70		1431	1626	1624	1576	1506	1380	CISCO2951/K9
80		1680	1875	1935	1880	1801	1666	CISCO3925/K9
90		1680	1875	2024	1962	1873	1731	CISCO3925/K9
100		1680	1875	2113	2044	1945	1796	CISCO3925/K9
100		AE	1680	1875	2113	2044	1945	1872
150	1680		1875	3957	3820	3623	3477	CISCO3945/K9
200	1680		1875	4436	4282	4063	3899	CISCO3925E/K9
300	1680		1875	5487	5281	4986	4766	CISCO3945E/K9
400	3912		4106	6736	6461	6068	5774	ASR1001
500	3912		4106	7629	7285	6792	6426	ASR1001
600	3912		4106	8521	8108	7517	7077	ASR1001
700	3912		4106	9413	8932	8242	7729	ASR1001
800	3912		4106	10305	9755	8968	8380	ASR1001
900	3912		4106	11198	10577	9693	9032	ASR1001
1000	3912		4106	12090	11401	10418	9684	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	580	568	551	463	CISCO1921/K9
20		1431	1626	673	658	636	544	CISCO1941/K9
30		1431	1626	806	785	756	657	CISCO2901/K9
40		1431	1626	1014	988	948	843	CISCO2921/K9
50		1431	1626	1104	1069	1020	908	CISCO2921/K9
60		1431	1626	1535	1493	1434	1315	CISCO2951/K9
70		1431	1626	1624	1576	1506	1380	CISCO2951/K9
80		1680	1875	1935	1880	1801	1666	CISCO3925/K9
90		1680	1875	2024	1962	1873	1731	CISCO3925/K9
100		1680	1875	2113	2044	1945	1796	CISCO3925/K9
100		AE	1680	1875	2113	2044	1945	1872
150	1680		1875	3957	3820	3623	3477	CISCO3945/K9
200	1680		1875	4436	4282	4063	3899	CISCO3925E/K9
300	1680		1875	5487	5281	4986	4766	CISCO3945E/K9
400	3912		4106	6736	6461	6068	5774	ASR1001
500	3912		4106	7629	7285	6792	6426	ASR1001
600	3912		4106	8521	8108	7517	7077	ASR1001
700	3912		4106	9413	8932	8242	7729	ASR1001
800	3912		4106	10305	9755	8968	8380	ASR1001
900	3912		4106	11198	10577	9693	9032	ASR1001
1000	3912		4106	12090	11401	10418	9684	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1126	1103	1070	899	CISCO1921/K9
20		1431	1626	1308	1279	1236	1056	CISCO1941/K9
30		1431	1626	1647	1550	1502	1308	CISCO2901/K9
40		1431	1626	1971	1919	1841	1638	CISCO2921/K9
50		1431	1626	2316	2200	2093	1890	CISCO2921/K9
60		1431	1626	2983	2901	2787	2554	CISCO2951/K9
70		1431	1626	3155	3062	2926	2680	CISCO2951/K9
80		1680	1875	3760	3653	3500	3236	CISCO3925/K9
90		1680	1875	3932	3812	3640	3362	CISCO3925/K9
100		1680	1875	4105	3971	3779	3490	CISCO3925/K9
100		AE	1680	1875	4105	3971	3779	3638
150	1680		1875	4303	4186	4018	3894	CISCO3945/K9
200	1680		1875	4500	4400	4256	4150	CISCO3925E/K9
300	1680		1875	4603	4603	4603	4603	CISCO3945E/K9
400	3912		4106	4767	4758	4709	4690	ASR1001
500	3912		4106	4896	4829	4733	4738	ASR1001
600	3912		4106	5094	5044	4972	4976	ASR1001
700	3912		4106	5292	5259	5211	5213	ASR1001
800	3912		4106	5426	5417	5407	5397	ASR1001
900	3912		4106	5557	5552	5547	5543	ASR1001
1000	3912		4106	5688	5688	5688	5688	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	591	580	562	473	CISCO1921/K9
20		1431	1626	688	672	650	555	CISCO1941/K9
30		1431	1626	822	801	772	671	CISCO2901/K9
40		1431	1626	1035	1008	967	860	CISCO2921/K9
50		1431	1626	1127	1091	1042	926	CISCO2921/K9
60		1431	1626	1567	1524	1464	1342	CISCO2951/K9
70		1431	1626	1657	1609	1537	1408	CISCO2951/K9
80		1680	1875	1974	1918	1839	1700	CISCO3925/K9
90		1680	1875	2065	2002	1911	1766	CISCO3925/K9
100		1680	1875	2156	2085	1985	1833	CISCO3925/K9
100		AE	1680	1875	2156	2085	1985	1910
150	1680		1875	4037	3898	3696	3547	CISCO3945/K9
200	1680		1875	4526	4368	4144	3977	CISCO3925E/K9
300	1680		1875	5598	5387	5086	4862	CISCO3945E/K9
400	3912		4106	6871	6591	6190	5889	ASR1001
500	3912		4106	7782	7431	6928	6555	ASR1001
600	3912		4106	8692	8271	7668	7220	ASR1001
700	3912		4106	9602	9111	8407	7883	ASR1001
800	3912		4106	10512	9950	9148	8548	ASR1001
900	3912		4106	11422	10790	9887	9214	ASR1001
1000	3912		4106	12332	11630	10627	9878	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	591	580	562	473	CISCO1921/K9
20		1431	1626	688	672	650	555	CISCO1941/K9
30		1431	1626	822	801	772	671	CISCO2901/K9
40		1431	1626	1035	1008	967	860	CISCO2921/K9
50		1431	1626	1127	1091	1042	926	CISCO2921/K9
60		1431	1626	1567	1524	1464	1342	CISCO2951/K9
70		1431	1626	1657	1609	1537	1408	CISCO2951/K9
80		1680	1875	1974	1918	1839	1700	CISCO3925/K9
90		1680	1875	2065	2002	1911	1766	CISCO3925/K9
100		1680	1875	2156	2085	1985	1833	CISCO3925/K9
100		AE	1680	1875	2156	2085	1985	1910
150	1680		1875	4037	3898	3696	3547	CISCO3945/K9
200	1680		1875	4526	4368	4144	3977	CISCO3925E/K9
300	1680		1875	5598	5387	5086	4862	CISCO3945E/K9
400	3912		4106	6871	6591	6190	5889	ASR1001
500	3912		4106	7782	7431	6928	6555	ASR1001
600	3912		4106	8692	8271	7668	7220	ASR1001
700	3912		4106	9602	9111	8407	7883	ASR1001
800	3912		4106	10512	9950	9148	8548	ASR1001
900	3912		4106	11422	10790	9887	9214	ASR1001
1000	3912		4106	12332	11630	10627	9878	ASR1001

Product: Meg@POP EVPL E-Access

Contract Period: 3 years

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1046	1024	994	835	CISCO1921/K9
20		1431	1626	1215	1188	1148	981	CISCO1941/K9
30		1431	1626	1530	1440	1395	1215	CISCO2901/K9
40		1431	1626	1831	1782	1710	1521	CISCO2921/K9
50		1431	1626	2151	2043	1944	1755	CISCO2921/K9
60		1431	1626	2770	2695	2588	2372	CISCO2951/K9
70		1431	1626	2930	2844	2718	2489	CISCO2951/K9
80		1680	1875	3492	3393	3251	3006	CISCO3925/K9
90		1680	1875	3652	3541	3380	3123	CISCO3925/K9
100		1680	1875	3812	3688	3510	3242	CISCO3925/K9
100		1680	1875	3812	3688	3510	3379	CISCO3925/K9
150	AE	1680	1875	3996	3888	3732	3617	CISCO3945/K9
200		1680	1875	4180	4087	3953	3855	CISCO3925E/K9
300		1680	1875	4275	4275	4275	4275	CISCO3945E/K9
400		3912	4106	4428	4419	4374	4356	ASR1001
500		3912	4106	4548	4486	4396	4401	ASR1001
600		3912	4106	4731	4685	4618	4621	ASR1001
700		3912	4106	4915	4884	4840	4842	ASR1001
800		3912	4106	5040	5031	5022	5013	ASR1001
900		3912	4106	5161	5157	5152	5148	ASR1001
1000		3912	4106	5283	5283	5283	5283	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	522	511	496	417	CISCO1921/K9
20		1431	1626	606	593	573	489	CISCO1941/K9
30		1431	1626	725	707	680	592	CISCO2901/K9
40		1431	1626	913	889	853	759	CISCO2921/K9
50		1431	1626	994	962	918	817	CISCO2921/K9
60		1431	1626	1382	1344	1291	1183	CISCO2951/K9
70		1431	1626	1462	1418	1356	1242	CISCO2951/K9
80		1680	1875	1742	1692	1621	1499	CISCO3925/K9
90		1680	1875	1822	1766	1686	1558	CISCO3925/K9
100		1680	1875	1901	1839	1751	1617	CISCO3925/K9
100		AE	1680	1875	1901	1839	1751	1685
150	1680		1875	3561	3438	3261	3130	CISCO3945/K9
200	1680		1875	3992	3854	3657	3509	CISCO3925E/K9
300	1680		1875	4939	4753	4487	4289	CISCO3945E/K9
400	3912		4106	6063	5815	5461	5196	ASR1001
500	3912		4106	6866	6556	6113	5783	ASR1001
600	3912		4106	7669	7297	6765	6370	ASR1001
700	3912		4106	8472	8038	7418	6956	ASR1001
800	3912		4106	9275	8779	8071	7542	ASR1001
900	3912		4106	10078	9520	8723	8129	ASR1001
1000	3912		4106	10881	10261	9376	8715	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	522	511	496	417	CISCO1921/K9
20		1431	1626	606	593	573	489	CISCO1941/K9
30		1431	1626	725	707	680	592	CISCO2901/K9
40		1431	1626	913	889	853	759	CISCO2921/K9
50		1431	1626	994	962	918	817	CISCO2921/K9
60		1431	1626	1382	1344	1291	1183	CISCO2951/K9
70		1431	1626	1462	1418	1356	1242	CISCO2951/K9
80		1680	1875	1742	1692	1621	1499	CISCO3925/K9
90		1680	1875	1822	1766	1686	1558	CISCO3925/K9
100		1680	1875	1901	1839	1751	1617	CISCO3925/K9
100		AE	1680	1875	1901	1839	1751	1685
150	1680		1875	3561	3438	3261	3130	CISCO3945/K9
200	1680		1875	3992	3854	3657	3509	CISCO3925E/K9
300	1680		1875	4939	4753	4487	4289	CISCO3945E/K9
400	3912		4106	6063	5815	5461	5196	ASR1001
500	3912		4106	6866	6556	6113	5783	ASR1001
600	3912		4106	7669	7297	6765	6370	ASR1001
700	3912		4106	8472	8038	7418	6956	ASR1001
800	3912		4106	9275	8779	8071	7542	ASR1001
900	3912		4106	10078	9520	8723	8129	ASR1001
1000	3912		4106	10881	10261	9376	8715	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	1067	1045	1013	852	CISCO1921/K9
20		1431	1626	1239	1212	1171	1001	CISCO1941/K9
30		1431	1626	1561	1469	1423	1239	CISCO2901/K9
40		1431	1626	1867	1818	1744	1551	CISCO2921/K9
50		1431	1626	2194	2084	1983	1790	CISCO2921/K9
60		1431	1626	2826	2748	2640	2420	CISCO2951/K9
70		1431	1626	2989	2901	2772	2539	CISCO2951/K9
80		1680	1875	3562	3461	3316	3066	CISCO3925/K9
90		1680	1875	3725	3611	3448	3185	CISCO3925/K9
100		1680	1875	3889	3762	3580	3307	CISCO3925/K9
100		AE	1680	1875	3889	3762	3580	3446
150	1680		1875	4076	3965	3806	3689	CISCO3945/K9
200	1680		1875	4264	4169	4032	3932	CISCO3925E/K9
300	1680		1875	4361	4361	4361	4361	CISCO3945E/K9
400	3912		4106	4517	4507	4461	4443	ASR1001
500	3912		4106	4639	4575	4484	4489	ASR1001
600	3912		4106	4826	4779	4710	4714	ASR1001
700	3912		4106	5014	4982	4936	4939	ASR1001
800	3912		4106	5141	5132	5122	5113	ASR1001
900	3912		4106	5265	5260	5255	5251	ASR1001
1000	3912		4106	5388	5388	5388	5388	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	532	522	506	425	CISCO1921/K9
20		1431	1626	618	605	585	500	CISCO1941/K9
30		1431	1626	740	721	695	604	CISCO2901/K9
40		1431	1626	931	907	870	774	CISCO2921/K9
50		1431	1626	1014	982	938	834	CISCO2921/K9
60		1431	1626	1410	1371	1318	1208	CISCO2951/K9
70		1431	1626	1491	1447	1383	1267	CISCO2951/K9
80		1680	1875	1777	1726	1655	1530	CISCO3925/K9
90		1680	1875	1859	1802	1720	1590	CISCO3925/K9
100		1680	1875	1940	1876	1786	1650	CISCO3925/K9
100		AE	1680	1875	1940	1876	1786	1719
150	1680		1875	3633	3508	3326	3193	CISCO3945/K9
200	1680		1875	4073	3931	3731	3581	CISCO3925E/K9
300	1680		1875	5038	4848	4577	4375	CISCO3945E/K9
400	3912		4106	6185	5931	5570	5300	ASR1001
500	3912		4106	7004	6687	6236	5900	ASR1001
600	3912		4106	7823	7443	6902	6497	ASR1001
700	3912		4106	8643	8199	7567	7096	ASR1001
800	3912		4106	9461	8955	8233	7693	ASR1001
900	3912		4106	10281	9710	8899	8292	ASR1001
1000	3912		4106	11099	10467	9564	8890	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2						CPE Model
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	532	522	506	425	CISCO1921/K9
20		1431	1626	618	605	585	500	CISCO1941/K9
30		1431	1626	740	721	695	604	CISCO2901/K9
40		1431	1626	931	907	870	774	CISCO2921/K9
50		1431	1626	1014	982	938	834	CISCO2921/K9
60		1431	1626	1410	1371	1318	1208	CISCO2951/K9
70		1431	1626	1491	1447	1383	1267	CISCO2951/K9
80		1680	1875	1777	1726	1655	1530	CISCO3925/K9
90		1680	1875	1859	1802	1720	1590	CISCO3925/K9
100		1680	1875	1940	1876	1786	1650	CISCO3925/K9
100		AE	1680	1875	1940	1876	1786	1719
150	1680		1875	3633	3508	3326	3193	CISCO3945/K9
200	1680		1875	4073	3931	3731	3581	CISCO3925E/K9
300	1680		1875	5038	4848	4577	4375	CISCO3945E/K9
400	3912		4106	6185	5931	5570	5300	ASR1001
500	3912		4106	7004	6687	6236	5900	ASR1001
600	3912		4106	7823	7443	6902	6497	ASR1001
700	3912		4106	8643	8199	7567	7096	ASR1001
800	3912		4106	9461	8955	8233	7693	ASR1001
900	3912		4106	10281	9710	8899	8292	ASR1001
1000	3912		4106	11099	10467	9564	8890	ASR1001

Product: Meg@POP E-Access

Contract Period: 1 month

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3267	3239	3201	2992	CISCO1921/K9
20		1431	1626	3720	3683	3632	3414	CISCO1941/K9
30		1431	1626	4493	4444	4375	4144	CISCO2901/K9
40		1431	1626	5991	5926	5834	5585	CISCO2921/K9
50		1431	1626	6200	6119	6004	5738	CISCO2921/K9
60		1431	1626	10090	9993	9854	9571	CISCO2951/K9
70		1431	1626	10299	10186	10024	9723	CISCO2951/K9
80		1680	1875	12900	12770	12585	12268	CISCO3925/K9
90		1680	1875	13109	12963	12755	12420	CISCO3925/K9
100		1680	1875	13319	13157	12925	12573	CISCO3925/K9
100		AE	1680	1875	13319	13157	12925	12752
150	1680		1875	21056	20735	20271	19928	CISCO3945/K9
200	1680		1875	23458	23095	22579	22195	CISCO3925E/K9
300	1680		1875	28201	27715	27020	26502	CISCO3945E/K9
400	3912		4106	34137	33488	32562	31871	ASR1001
500	3912		4106	36237	35426	34268	33405	ASR1001
600	3912		4106	38337	37364	35975	34939	ASR1001
700	3912		4106	40437	39302	37681	36472	ASR1001
800	3912		4106	42537	41240	39388	38006	ASR1001
900	3912		4106	44637	43178	41094	39540	ASR1001
1000	3912	4106	46738	45117	42801	41074	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3						CPE Model
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	3267	3239	3201	2992	CISCO1921/K9
20		1431	1626	3720	3683	3632	3414	CISCO1941/K9
30		1431	1626	4493	4444	4375	4144	CISCO2901/K9
40		1431	1626	5991	5926	5834	5585	CISCO2921/K9
50		1431	1626	6200	6119	6004	5738	CISCO2921/K9
60		1431	1626	10090	9993	9854	9571	CISCO2951/K9
70		1431	1626	10299	10186	10024	9723	CISCO2951/K9
80		1680	1875	12900	12770	12585	12268	CISCO3925/K9
90		1680	1875	13109	12963	12755	12420	CISCO3925/K9
100		1680	1875	13319	13157	12925	12573	CISCO3925/K9
100		AE	1680	1875	13319	13157	12925	12752
150	1680		1875	21056	20735	20271	19928	CISCO3945/K9
200	1680		1875	23458	23095	22579	22195	CISCO3925E/K9
300	1680		1875	28201	27715	27020	26502	CISCO3945E/K9
400	3912		4106	34137	33488	32562	31871	ASR1001
500	3912		4106	36237	35426	34268	33405	ASR1001
600	3912		4106	38337	37364	35975	34939	ASR1001
700	3912		4106	40437	39302	37681	36472	ASR1001
800	3912		4106	42537	41240	39388	38006	ASR1001
900	3912		4106	44637	43178	41094	39540	ASR1001
1000	3912	4106	46738	45117	42801	41074	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3						CPE Model
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	3267	3239	3201	2992	CISCO1921/K9
20		1431	1626	3720	3683	3632	3414	CISCO1941/K9
30		1431	1626	4493	4444	4375	4144	CISCO2901/K9
40		1431	1626	5991	5926	5834	5585	CISCO2921/K9
50		1431	1626	6200	6119	6004	5738	CISCO2921/K9
60		1431	1626	10090	9993	9854	9571	CISCO2951/K9
70		1431	1626	10299	10186	10024	9723	CISCO2951/K9
80		1680	1875	12900	12770	12585	12268	CISCO3925/K9
90		1680	1875	13109	12963	12755	12420	CISCO3925/K9
100		1680	1875	13319	13157	12925	12573	CISCO3925/K9
100		AE	1680	1875	13319	13157	12925	12752
150	1680		1875	21056	20735	20271	19928	CISCO3945/K9
200	1680		1875	23458	23095	22579	22195	CISCO3925E/K9
300	1680		1875	28201	27715	27020	26502	CISCO3945E/K9
400	3912		4106	34137	33488	32562	31871	ASR1001
500	3912		4106	36237	35426	34268	33405	ASR1001
600	3912		4106	38337	37364	35975	34939	ASR1001
700	3912		4106	40437	39302	37681	36472	ASR1001
800	3912		4106	42537	41240	39388	38006	ASR1001
900	3912		4106	44637	43178	41094	39540	ASR1001
1000	3912		4106	46738	45117	42801	41074	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						CPE Model
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	3333	3304	3266	3052	CISCO1921/K9
20		1431	1626	3795	3757	3705	3483	CISCO1941/K9
30		1431	1626	4583	4533	4463	4227	CISCO2901/K9
40		1431	1626	6111	6045	5951	5697	CISCO2921/K9
50		1431	1626	6324	6242	6125	5853	CISCO2921/K9
60		1431	1626	10292	10193	10052	9763	CISCO2951/K9
70		1431	1626	10505	10390	10225	9918	CISCO2951/K9
80		1680	1875	13158	13026	12837	12514	CISCO3925/K9
90		1680	1875	13372	13223	13011	12669	CISCO3925/K9
100		1680	1875	13586	13421	13184	12825	CISCO3925/K9
100		AE	1680	1875	13586	13421	13184	13008
150	1680		1875	21478	21150	20677	20327	CISCO3945/K9
200	1680		1875	23928	23557	23031	22639	CISCO3925E/K9
300	1680		1875	28766	28270	27561	27033	CISCO3945E/K9
400	3912		4106	34820	34158	33214	32509	ASR1001
500	3912		4106	36962	36135	34954	34074	ASR1001
600	3912		4106	39104	38112	36695	35638	ASR1001
700	3912		4106	41246	40089	38435	37202	ASR1001
800	3912		4106	43388	42065	40176	38767	ASR1001
900	3912		4106	45530	44042	41916	40331	ASR1001
1000	3912		4106	47673	46020	43658	41896	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3333	3304	3266	3052	CISCO1921/K9
20		1431	1626	3795	3757	3705	3483	CISCO1941/K9
30		1431	1626	4583	4533	4463	4227	CISCO2901/K9
40		1431	1626	6111	6045	5951	5697	CISCO2921/K9
50		1431	1626	6324	6242	6125	5853	CISCO2921/K9
60		1431	1626	10292	10193	10052	9763	CISCO2951/K9
70		1431	1626	10505	10390	10225	9918	CISCO2951/K9
80		1680	1875	13158	13026	12837	12514	CISCO3925/K9
90		1680	1875	13372	13223	13011	12669	CISCO3925/K9
100		1680	1875	13586	13421	13184	12825	CISCO3925/K9
100		AE	1680	1875	13586	13421	13184	13008
150	1680		1875	21478	21150	20677	20327	CISCO3945/K9
200	1680		1875	23928	23557	23031	22639	CISCO3925E/K9
300	1680		1875	28766	28270	27561	27033	CISCO3945E/K9
400	3912		4106	34820	34158	33214	32509	ASR1001
500	3912		4106	36962	36135	34954	34074	ASR1001
600	3912		4106	39104	38112	36695	35638	ASR1001
700	3912		4106	41246	40089	38435	37202	ASR1001
800	3912		4106	43388	42065	40176	38767	ASR1001
900	3912		4106	45530	44042	41916	40331	ASR1001
1000	3912		4106	47673	46020	43658	41896	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	3333	3304	3266	3052	CISCO1921/K9
20		1431	1626	3795	3757	3705	3483	CISCO1941/K9
30		1431	1626	4583	4533	4463	4227	CISCO2901/K9
40		1431	1626	6111	6045	5951	5697	CISCO2921/K9
50		1431	1626	6324	6242	6125	5853	CISCO2921/K9
60		1431	1626	10292	10193	10052	9763	CISCO2951/K9
70		1431	1626	10505	10390	10225	9918	CISCO2951/K9
80		1680	1875	13158	13026	12837	12514	CISCO3925/K9
90		1680	1875	13372	13223	13011	12669	CISCO3925/K9
100		1680	1875	13586	13421	13184	12825	CISCO3925/K9
100		AE	1680	1875	13586	13421	13184	13008
150	1680		1875	21478	21150	20677	20327	CISCO3945/K9
200	1680		1875	23928	23557	23031	22639	CISCO3925E/K9
300	1680		1875	28766	28270	27561	27033	CISCO3945E/K9
400	3912		4106	34820	34158	33214	32509	ASR1001
500	3912		4106	36962	36135	34954	34074	ASR1001
600	3912		4106	39104	38112	36695	35638	ASR1001
700	3912		4106	41246	40089	38435	37202	ASR1001
800	3912		4106	43388	42065	40176	38767	ASR1001
900	3912		4106	45530	44042	41916	40331	ASR1001
1000	3912		4106	47673	46020	43658	41896	ASR1001

Product: Meg@POP E-Access

Contract Period: 1 year

Bandwidth (Mbps)	Type of bandwidth	Layer 3						CPE Model
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				
A	B			C	D			
10	GPON	1431	1626	581	569	552	464	CISCO1921/K9
20		1431	1626	675	660	638	545	CISCO1941/K9
30		1431	1626	808	787	758	659	CISCO2901/K9
40		1431	1626	1017	990	950	845	CISCO2921/K9
50		1431	1626	1107	1072	1023	910	CISCO2921/K9
60		1431	1626	1539	1497	1438	1318	CISCO2951/K9
70		1431	1626	1628	1580	1510	1383	CISCO2951/K9
80		1680	1875	1940	1885	1806	1670	CISCO3925/K9
90		1680	1875	2029	1967	1878	1735	CISCO3925/K9
100		1680	1875	2118	2049	1950	1801	CISCO3925/K9
100	AE	1680	1875	2118	2049	1950	1877	CISCO3925/K9
150		1680	1875	3967	3830	3632	3486	CISCO3945/K9
200		1680	1875	4447	4293	4073	3909	CISCO3925E/K9
300		1680	1875	5501	5294	4998	4778	CISCO3945E/K9
400		3912	4106	6753	6477	6083	5788	ASR1001
500		3912	4106	7648	7303	6809	6442	ASR1001
600		3912	4106	8542	8128	7536	7095	ASR1001
700		3912	4106	9437	8954	8263	7748	ASR1001
800		3912	4106	10331	9779	8990	8401	ASR1001
900		3912	4106	11226	10604	9717	9055	ASR1001
1000	3912	4106	12120	11430	10444	9708	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	581	569	552	464	CISCO1921/K9
20		1431	1626	675	660	638	545	CISCO1941/K9
30		1431	1626	808	787	758	659	CISCO2901/K9
40		1431	1626	1017	990	950	845	CISCO2921/K9
50		1431	1626	1107	1072	1023	910	CISCO2921/K9
60		1431	1626	1539	1497	1438	1318	CISCO2951/K9
70		1431	1626	1628	1580	1510	1383	CISCO2951/K9
80		1680	1875	1940	1885	1806	1670	CISCO3925/K9
90		1680	1875	2029	1967	1878	1735	CISCO3925/K9
100		1680	1875	2118	2049	1950	1801	CISCO3925/K9
100		AE	1680	1875	2118	2049	1950	1877
150	1680		1875	3967	3830	3632	3486	CISCO3945/K9
200	1680		1875	4447	4293	4073	3909	CISCO3925E/K9
300	1680		1875	5501	5294	4998	4778	CISCO3945E/K9
400	3912		4106	6753	6477	6083	5788	ASR1001
500	3912		4106	7648	7303	6809	6442	ASR1001
600	3912		4106	8542	8128	7536	7095	ASR1001
700	3912		4106	9437	8954	8263	7748	ASR1001
800	3912		4106	10331	9779	8990	8401	ASR1001
900	3912		4106	11226	10604	9717	9055	ASR1001
1000	3912		4106	12120	11430	10444	9708	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	581	569	552	464	CISCO1921/K9
20		1431	1626	675	660	638	545	CISCO1941/K9
30		1431	1626	808	787	758	659	CISCO2901/K9
40		1431	1626	1017	990	950	845	CISCO2921/K9
50		1431	1626	1107	1072	1023	910	CISCO2921/K9
60		1431	1626	1539	1497	1438	1318	CISCO2951/K9
70		1431	1626	1628	1580	1510	1383	CISCO2951/K9
80		1680	1875	1940	1885	1806	1670	CISCO3925/K9
90		1680	1875	2029	1967	1878	1735	CISCO3925/K9
100		1680	1875	2118	2049	1950	1801	CISCO3925/K9
100		AE	1680	1875	2118	2049	1950	1877
150	1680		1875	3967	3830	3632	3486	CISCO3945/K9
200	1680		1875	4447	4293	4073	3909	CISCO3925E/K9
300	1680		1875	5501	5294	4998	4778	CISCO3945E/K9
400	3912		4106	6753	6477	6083	5788	ASR1001
500	3912		4106	7648	7303	6809	6442	ASR1001
600	3912		4106	8542	8128	7536	7095	ASR1001
700	3912		4106	9437	8954	8263	7748	ASR1001
800	3912		4106	10331	9779	8990	8401	ASR1001
900	3912		4106	11226	10604	9717	9055	ASR1001
1000	3912		4106	12120	11430	10444	9708	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	593	581	564	474	CISCO1921/K9
20		1431	1626	689	674	651	556	CISCO1941/K9
30		1431	1626	825	803	774	673	CISCO2901/K9
40		1431	1626	1038	1010	969	862	CISCO2921/K9
50		1431	1626	1130	1094	1044	929	CISCO2921/K9
60		1431	1626	1570	1527	1467	1345	CISCO2951/K9
70		1431	1626	1661	1612	1541	1411	CISCO2951/K9
80		1680	1875	1979	1923	1843	1704	CISCO3925/K9
90		1680	1875	2070	2007	1916	1770	CISCO3925/K9
100		1680	1875	2161	2090	1989	1838	CISCO3925/K9
100		AE	1680	1875	2161	2090	1989	1915
150	1680		1875	4047	3907	3705	3556	CISCO3945/K9
200	1680		1875	4536	4379	4155	3988	CISCO3925E/K9
300	1680		1875	5612	5400	5098	4874	CISCO3945E/K9
400	3912		4106	6889	6607	6205	5904	ASR1001
500	3912		4106	7801	7450	6946	6571	ASR1001
600	3912		4106	8713	8291	7687	7237	ASR1001
700	3912		4106	9626	9134	8429	7903	ASR1001
800	3912		4106	10538	9975	9170	8570	ASR1001
900	3912		4106	11451	10817	9912	9237	ASR1001
1000	3912		4106	12363	11659	10653	9903	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	593	581	564	474	CISCO1921/K9
20		1431	1626	689	674	651	556	CISCO1941/K9
30		1431	1626	825	803	774	673	CISCO2901/K9
40		1431	1626	1038	1010	969	862	CISCO2921/K9
50		1431	1626	1130	1094	1044	929	CISCO2921/K9
60		1431	1626	1570	1527	1467	1345	CISCO2951/K9
70		1431	1626	1661	1612	1541	1411	CISCO2951/K9
80		1680	1875	1979	1923	1843	1704	CISCO3925/K9
90		1680	1875	2070	2007	1916	1770	CISCO3925/K9
100		1680	1875	2161	2090	1989	1838	CISCO3925/K9
100		AE	1680	1875	2161	2090	1989	1915
150	1680		1875	4047	3907	3705	3556	CISCO3945/K9
200	1680		1875	4536	4379	4155	3988	CISCO3925E/K9
300	1680		1875	5612	5400	5098	4874	CISCO3945E/K9
400	3912		4106	6889	6607	6205	5904	ASR1001
500	3912		4106	7801	7450	6946	6571	ASR1001
600	3912		4106	8713	8291	7687	7237	ASR1001
700	3912		4106	9626	9134	8429	7903	ASR1001
800	3912		4106	10538	9975	9170	8570	ASR1001
900	3912		4106	11451	10817	9912	9237	ASR1001
1000	3912		4106	12363	11659	10653	9903	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	593	581	564	474	CISCO1921/K9
20		1431	1626	689	674	651	556	CISCO1941/K9
30		1431	1626	825	803	774	673	CISCO2901/K9
40		1431	1626	1038	1010	969	862	CISCO2921/K9
50		1431	1626	1130	1094	1044	929	CISCO2921/K9
60		1431	1626	1570	1527	1467	1345	CISCO2951/K9
70		1431	1626	1661	1612	1541	1411	CISCO2951/K9
80		1680	1875	1979	1923	1843	1704	CISCO3925/K9
90		1680	1875	2070	2007	1916	1770	CISCO3925/K9
100		1680	1875	2161	2090	1989	1838	CISCO3925/K9
100		AE	1680	1875	2161	2090	1989	1915
150	1680		1875	4047	3907	3705	3556	CISCO3945/K9
200	1680		1875	4536	4379	4155	3988	CISCO3925E/K9
300	1680		1875	5612	5400	5098	4874	CISCO3945E/K9
400	3912		4106	6889	6607	6205	5904	ASR1001
500	3912		4106	7801	7450	6946	6571	ASR1001
600	3912		4106	8713	8291	7687	7237	ASR1001
700	3912		4106	9626	9134	8429	7903	ASR1001
800	3912		4106	10538	9975	9170	8570	ASR1001
900	3912		4106	11451	10817	9912	9237	ASR1001
1000	3912		4106	12363	11659	10653	9903	ASR1001

Product: Meg@POP E-Access

Contract Period: 2 years

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	552	541	524	441	CISCO1921/K9
20		1431	1626	641	627	606	518	CISCO1941/K9
30		1431	1626	768	748	720	626	CISCO2901/K9
40		1431	1626	966	941	903	803	CISCO2921/K9
50		1431	1626	1052	1018	972	865	CISCO2921/K9
60		1431	1626	1462	1422	1366	1252	CISCO2951/K9
70		1431	1626	1547	1501	1435	1314	CISCO2951/K9
80		1680	1875	1843	1791	1716	1587	CISCO3925/K9
90		1680	1875	1928	1869	1784	1648	CISCO3925/K9
100		1680	1875	2012	1947	1853	1711	CISCO3925/K9
100	AE	1680	1875	2012	1947	1853	1783	CISCO3925/K9
150		1680	1875	3769	3639	3450	3312	CISCO3945/K9
200		1680	1875	4225	4078	3869	3714	CISCO3925E/K9
300		1680	1875	5226	5029	4748	4539	CISCO3945E/K9
400		3912	4106	6415	6153	5779	5499	ASR1001
500		3912	4106	7266	6938	6469	6120	ASR1001
600		3912	4106	8115	7722	7159	6740	ASR1001
700		3912	4106	8965	8506	7850	7361	ASR1001
800		3912	4106	9814	9290	8541	7981	ASR1001
900		3912	4106	10665	10074	9231	8602	ASR1001
1000	3912	4106	11514	10859	9922	9223	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	552	541	524	441	CISCO1921/K9
20		1431	1626	641	627	606	518	CISCO1941/K9
30		1431	1626	768	748	720	626	CISCO2901/K9
40		1431	1626	966	941	903	803	CISCO2921/K9
50		1431	1626	1052	1018	972	865	CISCO2921/K9
60		1431	1626	1462	1422	1366	1252	CISCO2951/K9
70		1431	1626	1547	1501	1435	1314	CISCO2951/K9
80		1680	1875	1843	1791	1716	1587	CISCO3925/K9
90		1680	1875	1928	1869	1784	1648	CISCO3925/K9
100		1680	1875	2012	1947	1853	1711	CISCO3925/K9
100		AE	1680	1875	2012	1947	1853	1783
150	1680		1875	3769	3639	3450	3312	CISCO3945/K9
200	1680		1875	4225	4078	3869	3714	CISCO3925E/K9
300	1680		1875	5226	5029	4748	4539	CISCO3945E/K9
400	3912		4106	6415	6153	5779	5499	ASR1001
500	3912		4106	7266	6938	6469	6120	ASR1001
600	3912		4106	8115	7722	7159	6740	ASR1001
700	3912		4106	8965	8506	7850	7361	ASR1001
800	3912		4106	9814	9290	8541	7981	ASR1001
900	3912		4106	10665	10074	9231	8602	ASR1001
1000	3912		4106	11514	10859	9922	9223	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	552	541	524	441	CISCO1921/K9
20		1431	1626	641	627	606	518	CISCO1941/K9
30		1431	1626	768	748	720	626	CISCO2901/K9
40		1431	1626	966	941	903	803	CISCO2921/K9
50		1431	1626	1052	1018	972	865	CISCO2921/K9
60		1431	1626	1462	1422	1366	1252	CISCO2951/K9
70		1431	1626	1547	1501	1435	1314	CISCO2951/K9
80		1680	1875	1843	1791	1716	1587	CISCO3925/K9
90		1680	1875	1928	1869	1784	1648	CISCO3925/K9
100		1680	1875	2012	1947	1853	1711	CISCO3925/K9
100		AE	1680	1875	2012	1947	1853	1783
150	1680		1875	3769	3639	3450	3312	CISCO3945/K9
200	1680		1875	4225	4078	3869	3714	CISCO3925E/K9
300	1680		1875	5226	5029	4748	4539	CISCO3945E/K9
400	3912		4106	6415	6153	5779	5499	ASR1001
500	3912		4106	7266	6938	6469	6120	ASR1001
600	3912		4106	8115	7722	7159	6740	ASR1001
700	3912		4106	8965	8506	7850	7361	ASR1001
800	3912		4106	9814	9290	8541	7981	ASR1001
900	3912		4106	10665	10074	9231	8602	ASR1001
1000	3912		4106	11514	10859	9922	9223	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	563	552	535	450	CISCO1921/K9
20		1431	1626	655	640	619	529	CISCO1941/K9
30		1431	1626	783	763	735	639	CISCO2901/K9
40		1431	1626	986	960	921	819	CISCO2921/K9
50		1431	1626	1073	1039	992	882	CISCO2921/K9
60		1431	1626	1492	1451	1394	1278	CISCO2951/K9
70		1431	1626	1578	1532	1464	1341	CISCO2951/K9
80		1680	1875	1880	1827	1751	1619	CISCO3925/K9
90		1680	1875	1967	1907	1820	1682	CISCO3925/K9
100		1680	1875	2053	1986	1890	1746	CISCO3925/K9
100		AE	1680	1875	2053	1986	1890	1819
150	1680		1875	3845	3712	3520	3378	CISCO3945/K9
200	1680		1875	4310	4160	3947	3788	CISCO3925E/K9
300	1680		1875	5331	5130	4844	4630	CISCO3945E/K9
400	3912		4106	6544	6277	5895	5609	ASR1001
500	3912		4106	7411	7077	6598	6243	ASR1001
600	3912		4106	8278	7877	7303	6876	ASR1001
700	3912		4106	9145	8677	8007	7508	ASR1001
800	3912		4106	10011	9476	8712	8141	ASR1001
900	3912		4106	10878	10276	9416	8775	ASR1001
1000	3912		4106	11745	11076	10121	9408	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	563	552	535	450	CISCO1921/K9
20		1431	1626	655	640	619	529	CISCO1941/K9
30		1431	1626	783	763	735	639	CISCO2901/K9
40		1431	1626	986	960	921	819	CISCO2921/K9
50		1431	1626	1073	1039	992	882	CISCO2921/K9
60		1431	1626	1492	1451	1394	1278	CISCO2951/K9
70		1431	1626	1578	1532	1464	1341	CISCO2951/K9
80		1680	1875	1880	1827	1751	1619	CISCO3925/K9
90		1680	1875	1967	1907	1820	1682	CISCO3925/K9
100		1680	1875	2053	1986	1890	1746	CISCO3925/K9
100		AE	1680	1875	2053	1986	1890	1819
150	1680		1875	3845	3712	3520	3378	CISCO3945/K9
200	1680		1875	4310	4160	3947	3788	CISCO3925E/K9
300	1680		1875	5331	5130	4844	4630	CISCO3945E/K9
400	3912		4106	6544	6277	5895	5609	ASR1001
500	3912		4106	7411	7077	6598	6243	ASR1001
600	3912		4106	8278	7877	7303	6876	ASR1001
700	3912		4106	9145	8677	8007	7508	ASR1001
800	3912		4106	10011	9476	8712	8141	ASR1001
900	3912		4106	10878	10276	9416	8775	ASR1001
1000	3912		4106	11745	11076	10121	9408	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	563	552	535	450	CISCO1921/K9
20		1431	1626	655	640	619	529	CISCO1941/K9
30		1431	1626	783	763	735	639	CISCO2901/K9
40		1431	1626	986	960	921	819	CISCO2921/K9
50		1431	1626	1073	1039	992	882	CISCO2921/K9
60		1431	1626	1492	1451	1394	1278	CISCO2951/K9
70		1431	1626	1578	1532	1464	1341	CISCO2951/K9
80		1680	1875	1880	1827	1751	1619	CISCO3925/K9
90		1680	1875	1967	1907	1820	1682	CISCO3925/K9
100		1680	1875	2053	1986	1890	1746	CISCO3925/K9
100		AE	1680	1875	2053	1986	1890	1819
150	1680		1875	3845	3712	3520	3378	CISCO3945/K9
200	1680		1875	4310	4160	3947	3788	CISCO3925E/K9
300	1680		1875	5331	5130	4844	4630	CISCO3945E/K9
400	3912		4106	6544	6277	5895	5609	ASR1001
500	3912		4106	7411	7077	6598	6243	ASR1001
600	3912		4106	8278	7877	7303	6876	ASR1001
700	3912		4106	9145	8677	8007	7508	ASR1001
800	3912		4106	10011	9476	8712	8141	ASR1001
900	3912		4106	10878	10276	9416	8775	ASR1001
1000	3912		4106	11745	11076	10121	9408	ASR1001

Product: Meg@POP E-Access

Contract Period: 3 years

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	496.755	486.495	471.96	396.72	CISCO1921/K9
20		1431	1626	577.125	564.3	545.49	465.975	CISCO1941/K9
30		1431	1626	690.84	672.885	648.09	563.445	CISCO2901/K9
40		1431	1626	869.535	846.45	812.25	722.475	CISCO2921/K9
50		1431	1626	946.485	916.56	874.665	778.05	CISCO2921/K9
60		1431	1626	1315.845	1279.935	1229.49	1126.89	CISCO2951/K9
70		1431	1626	1391.94	1350.9	1291.05	1182.465	CISCO2951/K9
80		1680	1875	1658.7	1611.675	1544.13	1427.85	CISCO3925/K9
90		1680	1875	1734.795	1681.785	1605.69	1483.425	CISCO3925/K9
100		1680	1875	1810.89	1751.895	1667.25	1539.855	CISCO3925/K9
100		AE	1680	1875	1810.89	1751.895	1667.25	1604.835
150	1680		1875	3391.785	3274.65	3105.36	2980.53	CISCO3945/K9
200	1680		1875	3802.185	3670.515	3482.415	3342.195	CISCO3925E/K9
300	1680		1875	4703.355	4526.37	4273.29	4085.19	CISCO3945E/K9
400	3912		4106	5773.815	5537.835	5200.965	4948.74	ASR1001
500	3912		4106	6539.04	6244.065	5821.695	5507.91	ASR1001
600	3912		4106	7303.41	6949.44	6443.28	6066.225	ASR1001
700	3912		4106	8068.635	7655.67	7064.865	6624.54	ASR1001
800	3912		4106	8833.005	8361.045	7686.45	7182.855	ASR1001
900	3912		4106	9598.23	9066.42	8308.035	7742.025	ASR1001
1000	3912	4106	10362.6	9772.65	8929.62	8300.34	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3							
		Service Availability: 99.95%							
		point to multi-point (non-residential - non-residential)							
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model	
A	B			C	D				
10	GPON	1431	1626	496.755	486.495	471.96	396.72	CISCO1921/K9	
20		1431	1626	577.125	564.3	545.49	465.975	CISCO1941/K9	
30		1431	1626	690.84	672.885	648.09	563.445	CISCO2901/K9	
40		1431	1626	869.535	846.45	812.25	722.475	CISCO2921/K9	
50		1431	1626	946.485	916.56	874.665	778.05	CISCO2921/K9	
60		1431	1626	1315.845	1279.935	1229.49	1126.89	CISCO2951/K9	
70		1431	1626	1391.94	1350.9	1291.05	1182.465	CISCO2951/K9	
80		1680	1875	1658.7	1611.675	1544.13	1427.85	CISCO3925/K9	
90		1680	1875	1734.795	1681.785	1605.69	1483.425	CISCO3925/K9	
100		1680	1875	1810.89	1751.895	1667.25	1539.855	CISCO3925/K9	
100		AE	1680	1875	1810.89	1751.895	1667.25	1604.835	CISCO3925/K9
150			1680	1875	3391.785	3274.65	3105.36	2980.53	CISCO3945/K9
200	1680		1875	3802.185	3670.515	3482.415	3342.195	CISCO3925E/K9	
300	1680		1875	4703.355	4526.37	4273.29	4085.19	CISCO3945E/K9	
400	3912		4106	5773.815	5537.835	5200.965	4948.74	ASR1001	
500	3912		4106	6539.04	6244.065	5821.695	5507.91	ASR1001	
600	3912		4106	7303.41	6949.44	6443.28	6066.225	ASR1001	
700	3912		4106	8068.635	7655.67	7064.865	6624.54	ASR1001	
800	3912		4106	8833.005	8361.045	7686.45	7182.855	ASR1001	
900	3912		4106	9598.23	9066.42	8308.035	7742.025	ASR1001	
1000	3912	4106	10362.6	9772.65	8929.62	8300.34	ASR1001		

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.95%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	496.755	486.495	471.96	396.72	CISCO1921/K9
20		1431	1626	577.125	564.3	545.49	465.975	CISCO1941/K9
30		1431	1626	690.84	672.885	648.09	563.445	CISCO2901/K9
40		1431	1626	869.535	846.45	812.25	722.475	CISCO2921/K9
50		1431	1626	946.485	916.56	874.665	778.05	CISCO2921/K9
60		1431	1626	1315.845	1279.935	1229.49	1126.89	CISCO2951/K9
70		1431	1626	1391.94	1350.9	1291.05	1182.465	CISCO2951/K9
80		1680	1875	1658.7	1611.675	1544.13	1427.85	CISCO3925/K9
90		1680	1875	1734.795	1681.785	1605.69	1483.425	CISCO3925/K9
100		1680	1875	1810.89	1751.895	1667.25	1539.855	CISCO3925/K9
100		AE	1680	1875	1810.89	1751.895	1667.25	1604.835
150	1680		1875	3391.785	3274.65	3105.36	2980.53	CISCO3945/K9
200	1680		1875	3802.185	3670.515	3482.415	3342.195	CISCO3925E/K9
300	1680		1875	4703.355	4526.37	4273.29	4085.19	CISCO3945E/K9
400	3912		4106	5773.815	5537.835	5200.965	4948.74	ASR1001
500	3912		4106	6539.04	6244.065	5821.695	5507.91	ASR1001
600	3912		4106	7303.41	6949.44	6443.28	6066.225	ASR1001
700	3912		4106	8068.635	7655.67	7064.865	6624.54	ASR1001
800	3912		4106	8833.005	8361.045	7686.45	7182.855	ASR1001
900	3912		4106	9598.23	9066.42	8308.035	7742.025	ASR1001
1000	3912		4106	10362.6	9772.65	8929.62	8300.34	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	507	497	482	405	CISCO1921/K9
20		1431	1626	589	576	557	476	CISCO1941/K9
30		1431	1626	705	687	662	575	CISCO2901/K9
40		1431	1626	887	864	829	737	CISCO2921/K9
50		1431	1626	966	935	893	794	CISCO2921/K9
60		1431	1626	1343	1306	1255	1150	CISCO2951/K9
70		1431	1626	1420	1378	1317	1207	CISCO2951/K9
80		1680	1875	1692	1644	1576	1457	CISCO3925/K9
90		1680	1875	1770	1716	1638	1514	CISCO3925/K9
100		1680	1875	1848	1787	1701	1571	CISCO3925/K9
100		AE	1680	1875	1848	1787	1701	1637
150	1680		1875	3460	3341	3168	3041	CISCO3945/K9
200	1680		1875	3879	3744	3553	3410	CISCO3925E/K9
300	1680		1875	4798	4617	4359	4167	CISCO3945E/K9
400	3912		4106	5890	5649	5305	5048	ASR1001
500	3912		4106	6670	6369	5939	5619	ASR1001
600	3912		4106	7450	7089	6573	6188	ASR1001
700	3912		4106	8231	7809	7207	6758	ASR1001
800	3912		4106	9010	8529	7841	7327	ASR1001
900	3912		4106	9791	9248	8475	7897	ASR1001
1000	3912		4106	10570	9969	9109	8467	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	507	497	482	405	CISCO1921/K9
20		1431	1626	589	576	557	476	CISCO1941/K9
30		1431	1626	705	687	662	575	CISCO2901/K9
40		1431	1626	887	864	829	737	CISCO2921/K9
50		1431	1626	966	935	893	794	CISCO2921/K9
60		1431	1626	1343	1306	1255	1150	CISCO2951/K9
70		1431	1626	1420	1378	1317	1207	CISCO2951/K9
80		1680	1875	1692	1644	1576	1457	CISCO3925/K9
90		1680	1875	1770	1716	1638	1514	CISCO3925/K9
100		1680	1875	1848	1787	1701	1571	CISCO3925/K9
100		AE	1680	1875	1848	1787	1701	1637
150	1680		1875	3460	3341	3168	3041	CISCO3945/K9
200	1680		1875	3879	3744	3553	3410	CISCO3925E/K9
300	1680		1875	4798	4617	4359	4167	CISCO3945E/K9
400	3912		4106	5890	5649	5305	5048	ASR1001
500	3912		4106	6670	6369	5939	5619	ASR1001
600	3912		4106	7450	7089	6573	6188	ASR1001
700	3912		4106	8231	7809	7207	6758	ASR1001
800	3912		4106	9010	8529	7841	7327	ASR1001
900	3912		4106	9791	9248	8475	7897	ASR1001
1000	3912		4106	10570	9969	9109	8467	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 3						
		Service Availability: 99.99%						
		Multi-point to multi-point (non-residential - non-residential)						
		OTC (standard)	OTC (express)	MRC for CoS				CPE Model
A	B			C	D			
10	GPON	1431	1626	507	497	482	405	CISCO1921/K9
20		1431	1626	589	576	557	476	CISCO1941/K9
30		1431	1626	705	687	662	575	CISCO2901/K9
40		1431	1626	887	864	829	737	CISCO2921/K9
50		1431	1626	966	935	893	794	CISCO2921/K9
60		1431	1626	1343	1306	1255	1150	CISCO2951/K9
70		1431	1626	1420	1378	1317	1207	CISCO2951/K9
80		1680	1875	1692	1644	1576	1457	CISCO3925/K9
90		1680	1875	1770	1716	1638	1514	CISCO3925/K9
100		1680	1875	1848	1787	1701	1571	CISCO3925/K9
100		AE	1680	1875	1848	1787	1701	1637
150	1680		1875	3460	3341	3168	3041	CISCO3945/K9
200	1680		1875	3879	3744	3553	3410	CISCO3925E/K9
300	1680		1875	4798	4617	4359	4167	CISCO3945E/K9
400	3912		4106	5890	5649	5305	5048	ASR1001
500	3912		4106	6670	6369	5939	5619	ASR1001
600	3912		4106	7450	7089	6573	6188	ASR1001
700	3912		4106	8231	7809	7207	6758	ASR1001
800	3912		4106	9010	8529	7841	7327	ASR1001
900	3912		4106	9791	9248	8475	7897	ASR1001
1000	3912		4106	10570	9969	9109	8467	ASR1001

Product: Meg@POP EVPL E-Access (NBAP)

Contract Period: 1 month

Bandwidth (Mbps)	Type of bandwidth	Layer 2										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	4107	4022	3902	3893	3332	4107	4022	3902	3893	CISCO1921/K9
20		3332	4771	4665	4510	4325	3332	4771	4665	4510	4325	CISCO1941/K9
30		3332	6008	5655	5478	5027	3332	6008	5655	5478	5027	CISCO2901/K9
40		3332	7189	6998	6715	6371	3332	7189	6998	6715	6371	CISCO2921/K9
50		3332	8447	8023	7634	6532	3332	8447	8023	7634	6532	CISCO2921/K9
60		3332	10879	10582	10165	10074	3332	10879	10582	10165	10074	CISCO2951/K9
70		3332	11508	11168	10674	10234	3332	11508	11168	10674	10234	CISCO2951/K9
80		3562	13713	13324	12766	12592	3562	13713	13324	12766	12592	CISCO3925/K9
90		3562	14342	13904	13275	12752	3562	14342	13904	13275	12752	CISCO3925/K9
100		3562	14971	14484	13784	12912	3562	14971	14484	13784	12912	CISCO3925/K9
100		AE	3562	14971	14484	13784	15206	3562	14971	14484	13784	15206
150	3562		15693	15266	14654	19875	3562	15693	15266	14654	19875	CISCO3945/K9
200	3562		16415	16049	15524	22043	3562	16415	16049	15524	22043	CISCO3925E/K9
300	3562		18314	18314	18314	26184	3562	18314	18314	18314	26184	CISCO3945E/K9
400	5628		21256	20425	19243	31317	5628	21256	20425	19243	31317	ASR1001
500	5628		23792	22765	21307	32928	5628	23792	22765	21307	32928	ASR1001
600	5628		26328	25106	23367	34539	5628	26328	25106	23367	34539	ASR1001
700	5628		28863	27446	25427	36149	5628	28863	27446	25427	36149	ASR1001
800	5628		31399	29786	27487	37760	5628	31399	29786	27487	37760	ASR1001
900	5628		33935	32127	29547	39370	5628	33935	32127	29547	39370	ASR1001
1000	5628		36471	34467	31607	40980	5628	36471	34467	31607	40980	ASR1001

Layer 2											
---------	--	--	--	--	--	--	--	--	--	--	--

Bandwidth (Mbps)	Type of bandwidth	point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	4107	4022	3902	3893	3332	4107	4022	3902	3893	CISCO1921/K9
20		3332	4771	4665	4510	4325	3332	4771	4665	4510	4325	CISCO1941/K9
30		3332	6008	5655	5478	5027	3332	6008	5655	5478	5027	CISCO2901/K9
40		3332	7189	6998	6715	6371	3332	7189	6998	6715	6371	CISCO2921/K9
50		3332	8447	8023	7634	6532	3332	8447	8023	7634	6532	CISCO2921/K9
60		3332	10879	10582	10165	10074	3332	10879	10582	10165	10074	CISCO2951/K9
70		3332	11508	11168	10674	10234	3332	11508	11168	10674	10234	CISCO2951/K9
80		3562	13713	13324	12766	12592	3562	13713	13324	12766	12592	CISCO3925/K9
90		3562	14342	13904	13275	12752	3562	14342	13904	13275	12752	CISCO3925/K9
100		3562	14971	14484	13784	12912	3562	14971	14484	13784	12912	CISCO3925/K9
100	AE	3562	14971	14484	13784	15206	3562	14971	14484	13784	15206	CISCO3925/K9
150		3562	15693	15266	14654	19875	3562	15693	15266	14654	19875	CISCO3945/K9
200		3562	16415	16049	15524	22043	3562	16415	16049	15524	22043	CISCO3925E/K9
300		3562	18314	18314	18314	26184	3562	18314	18314	18314	26184	CISCO3945E/K9
400		5628	21256	20425	19243	31317	5628	21256	20425	19243	31317	ASR1001
500		5628	23792	22765	21307	32928	5628	23792	22765	21307	32928	ASR1001
600		5628	26328	25106	23367	34539	5628	26328	25106	23367	34539	ASR1001
700		5628	28863	27446	25427	36149	5628	28863	27446	25427	36149	ASR1001
800		5628	31399	29786	27487	37760	5628	31399	29786	27487	37760	ASR1001
900		5628	33935	32127	29547	39370	5628	33935	32127	29547	39370	ASR1001
1000	5628	36471	34467	31607	40980	5628	36471	34467	31607	40980	ASR1001	

Product: Meg@POP EVPL E-Access (NBAP)

Contract Period: 1 year

Bandwidth (Mbps)	Type of bandwidth	Layer 2										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1369	1341	1301	1093	3332	1369	1341	1301	1093	CISCO1921/K9
20		3332	1590	1555	1503	1284	3332	1590	1555	1503	1284	CISCO1941/K9
30		3332	2003	1885	1826	1590	3332	2003	1885	1826	1590	CISCO2901/K9
40		3332	2396	2333	2238	1991	3332	2396	2333	2238	1991	CISCO2921/K9
50		3332	2816	2674	2545	2297	3332	2816	2674	2545	2297	CISCO2921/K9
60		3332	3626	3527	3388	3105	3332	3626	3527	3388	3105	CISCO2951/K9
70		3332	3836	3723	3558	3259	3332	3836	3723	3558	3259	CISCO2951/K9
80		3562	4571	4441	4255	3935	3562	4571	4441	4255	3935	CISCO3925/K9
90		3562	4781	4635	4425	4088	3562	4781	4635	4425	4088	CISCO3925/K9
100		3562	4990	4828	4595	4244	3562	4990	4828	4595	4244	CISCO3925/K9
100	AE	3562	4990	4828	4595	4423	3562	4990	4828	4595	4423	CISCO3925/K9
150		3562	5231	5089	4885	4734	3562	5231	5089	4885	4734	CISCO3945/K9
200		3562	5472	5350	5175	5046	3562	5472	5350	5175	5046	CISCO3925E/K9
300		3562	6105	6105	6105	5895	3562	6105	6105	6105	5895	CISCO3945E/K9
400		5628	7085	6808	6414	5985	5628	7085	6808	6414	5985	ASR1001
500		5628	7931	7588	7102	6442	5628	7931	7588	7102	6442	ASR1001
600		5628	8776	8369	7789	7059	5628	8776	8369	7789	7059	ASR1001
700		5628	9621	9149	8476	7677	5628	9621	9149	8476	7677	ASR1001
800		5628	10466	9929	9162	8294	5628	10466	9929	9162	8294	ASR1001
900		5628	11312	10709	9849	8911	5628	11312	10709	9849	8911	ASR1001
1000	5628	12157	11489	10536	9529	5628	12157	11489	10536	9529	ASR1001	

		Layer 2									
--	--	---------	--	--	--	--	--	--	--	--	--

Bandwidth (Mbps)	Type of bandwidth	point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1369	1341	1301	1093	3332	1369	1341	1301	1093	CISCO1921/K9
20		3332	1590	1555	1503	1284	3332	1590	1555	1503	1284	CISCO1941/K9
30		3332	2003	1885	1826	1590	3332	2003	1885	1826	1590	CISCO2901/K9
40		3332	2396	2333	2238	1991	3332	2396	2333	2238	1991	CISCO2921/K9
50		3332	2816	2674	2545	2297	3332	2816	2674	2545	2297	CISCO2921/K9
60		3332	3626	3527	3388	3105	3332	3626	3527	3388	3105	CISCO2951/K9
70		3332	3836	3723	3558	3259	3332	3836	3723	3558	3259	CISCO2951/K9
80		3562	4571	4441	4255	3935	3562	4571	4441	4255	3935	CISCO3925/K9
90		3562	4781	4635	4425	4088	3562	4781	4635	4425	4088	CISCO3925/K9
100		3562	4990	4828	4595	4244	3562	4990	4828	4595	4244	CISCO3925/K9
100	AE	3562	4990	4828	4595	4423	3562	4990	4828	4595	4423	CISCO3925/K9
150		3562	5231	5089	4885	4734	3562	5231	5089	4885	4734	CISCO3945/K9
200		3562	5472	5350	5175	5046	3562	5472	5350	5175	5046	CISCO3925E/K9
300		3562	6105	6105	6105	5895	3562	6105	6105	6105	5895	CISCO3945E/K9
400		5628	7085	6808	6414	5985	5628	7085	6808	6414	5985	ASR1001
500		5628	7931	7588	7102	6442	5628	7931	7588	7102	6442	ASR1001
600		5628	8776	8369	7789	7059	5628	8776	8369	7789	7059	ASR1001
700		5628	9621	9149	8476	7677	5628	9621	9149	8476	7677	ASR1001
800		5628	10466	9929	9162	8294	5628	10466	9929	9162	8294	ASR1001
900		5628	11312	10709	9849	8911	5628	11312	10709	9849	8911	ASR1001
1000	5628	12157	11489	10536	9529	5628	12157	11489	10536	9529	ASR1001	

Product: Meg@POP EVPL E-Access (NBAP)

Contract Period: 2 years

		Layer 2
--	--	---------

Bandwidth (Mbps)	Type of bandwidth	point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1301	1274	1236	1039	3332	1301	1274	1236	1039	CISCO1921/K9
20		3332	1511	1477	1428	1220	3332	1511	1477	1428	1220	CISCO1941/K9
30		3332	1903	1791	1735	1511	3332	1903	1791	1735	1511	CISCO2901/K9
40		3332	2276	2216	2126	1891	3332	2276	2216	2126	1891	CISCO2921/K9
50		3332	2675	2541	2417	2182	3332	2675	2541	2417	2182	CISCO2921/K9
60		3332	3445	3351	3219	2950	3332	3445	3351	3219	2950	CISCO2951/K9
70		3332	3644	3537	3380	3096	3332	3644	3537	3380	3096	CISCO2951/K9
80		3562	4342	4219	4043	3738	3562	4342	4219	4043	3738	CISCO3925/K9
90		3562	4542	4403	4204	3884	3562	4542	4403	4204	3884	CISCO3925/K9
100		3562	4741	4586	4365	4031	3562	4741	4586	4365	4031	CISCO3925/K9
100	AE	3562	4741	4586	4365	4201	3562	4741	4586	4365	4201	CISCO3925/K9
150		3562	4969	4834	4640	4497	3562	4969	4834	4640	4497	CISCO3945/K9
200		3562	5198	5082	4916	4793	3562	5198	5082	4916	4793	CISCO3925E/K9
300		3562	5799	5799	5799	5600	3562	5799	5799	5799	5600	CISCO3945E/K9
400		5628	6731	6468	6094	5686	5628	6731	6468	6094	5686	ASR1001
500		5628	7534	7209	6747	6120	5628	7534	7209	6747	6120	ASR1001
600		5628	8337	7950	7399	6706	5628	8337	7950	7399	6706	ASR1001
700		5628	9140	8691	8052	7293	5628	9140	8691	8052	7293	ASR1001
800		5628	9943	9432	8704	7879	5628	9943	9432	8704	7879	ASR1001
900		5628	10746	10174	9357	8466	5628	10746	10174	9357	8466	ASR1001
1000	5628	11549	10915	10009	9052	5628	11549	10915	10009	9052	ASR1001	

		Layer 2
--	--	---------

Bandwidth (Mbps)	Type of bandwidth	point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1301	1274	1236	1039	3332	1301	1274	1236	1039	CISCO1921/K9
20		3332	1511	1477	1428	1220	3332	1511	1477	1428	1220	CISCO1941/K9
30		3332	1903	1791	1735	1511	3332	1903	1791	1735	1511	CISCO2901/K9
40		3332	2276	2216	2126	1891	3332	2276	2216	2126	1891	CISCO2921/K9
50		3332	2675	2541	2417	2182	3332	2675	2541	2417	2182	CISCO2921/K9
60		3332	3445	3351	3219	2950	3332	3445	3351	3219	2950	CISCO2951/K9
70		3332	3644	3537	3380	3096	3332	3644	3537	3380	3096	CISCO2951/K9
80		3562	4342	4219	4043	3738	3562	4342	4219	4043	3738	CISCO3925/K9
90		3562	4542	4403	4204	3884	3562	4542	4403	4204	3884	CISCO3925/K9
100		3562	4741	4586	4365	4031	3562	4741	4586	4365	4031	CISCO3925/K9
100	AE	3562	4741	4586	4365	4201	3562	4741	4586	4365	4201	CISCO3925/K9
150		3562	4969	4834	4640	4497	3562	4969	4834	4640	4497	CISCO3945/K9
200		3562	5198	5082	4916	4793	3562	5198	5082	4916	4793	CISCO3925E/K9
300		3562	5799	5799	5799	5600	3562	5799	5799	5799	5600	CISCO3945E/K9
400		5628	6731	6468	6094	5686	5628	6731	6468	6094	5686	ASR1001
500		5628	7534	7209	6747	6120	5628	7534	7209	6747	6120	ASR1001
600		5628	8337	7950	7399	6706	5628	8337	7950	7399	6706	ASR1001
700		5628	9140	8691	8052	7293	5628	9140	8691	8052	7293	ASR1001
800		5628	9943	9432	8704	7879	5628	9943	9432	8704	7879	ASR1001
900		5628	10746	10174	9357	8466	5628	10746	10174	9357	8466	ASR1001
1000	5628	11549	10915	10009	9052	5628	11549	10915	10009	9052	ASR1001	

Product: Meg@POP EVPL E-Access (NBAP)

Contract Period: 3 years

Bandwidth (Mbps)	Type of bandwidth	Layer 2										
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1170	1146	1112	935	3332	1170	1146	1112	935	CISCO1921/K9
20		3332	1360	1330	1285	1098	3332	1360	1330	1285	1098	CISCO1941/K9
30		3332	1712	1612	1561	1360	3332	1712	1612	1561	1360	CISCO2901/K9
40		3332	2049	1994	1914	1702	3332	2049	1994	1914	1702	CISCO2921/K9
50		3332	2407	2287	2176	1964	3332	2407	2287	2176	1964	CISCO2921/K9
60		3332	3100	3016	2897	2655	3332	3100	3016	2897	2655	CISCO2951/K9
70		3332	3280	3183	3042	2786	3332	3280	3183	3042	2786	CISCO2951/K9
80		3562	3908	3797	3638	3364	3562	3908	3797	3638	3364	CISCO3925/K9
90		3562	4088	3963	3783	3495	3562	4088	3963	3783	3495	CISCO3925/K9
100		3562	4267	4128	3928	3628	3562	4267	4128	3928	3628	CISCO3925/K9
100	AE	3562	4267	4128	3928	3781	3562	4267	4128	3928	3781	CISCO3925/K9
150		3562	4473	4351	4176	4048	3562	4473	4351	4176	4048	CISCO3945/K9
200		3562	4678	4574	4424	4314	3562	4678	4574	4424	4314	CISCO3925E/K9
300		3562	5220	5220	5220	5040	3562	5220	5220	5220	5040	CISCO3945E/K9
400		5628	6058	5821	5484	5117	5628	6058	5821	5484	5117	ASR1001
500		5628	6781	6488	6072	5508	5628	6781	6488	6072	5508	ASR1001
600		5628	7503	7155	6660	6036	5628	7503	7155	6660	6036	ASR1001
700		5628	8226	7822	7247	6563	5628	8226	7822	7247	6563	ASR1001
800		5628	8949	8489	7834	7091	5628	8949	8489	7834	7091	ASR1001
900		5628	9671	9156	8421	7619	5628	9671	9156	8421	7619	ASR1001
1000	5628	10394	9823	9008	8147	5628	10394	9823	9008	8147	ASR1001	

Layer 2										
---------	--	--	--	--	--	--	--	--	--	--

Bandwidth (Mbps)	Type of bandwidth	point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1170	1146	1112	935	3332	1170	1146	1112	935	CISCO1921/K9
20		3332	1360	1330	1285	1098	3332	1360	1330	1285	1098	CISCO1941/K9
30		3332	1712	1612	1561	1360	3332	1712	1612	1561	1360	CISCO2901/K9
40		3332	2049	1994	1914	1702	3332	2049	1994	1914	1702	CISCO2921/K9
50		3332	2407	2287	2176	1964	3332	2407	2287	2176	1964	CISCO2921/K9
60		3332	3100	3016	2897	2655	3332	3100	3016	2897	2655	CISCO2951/K9
70		3332	3280	3183	3042	2786	3332	3280	3183	3042	2786	CISCO2951/K9
80		3562	3908	3797	3638	3364	3562	3908	3797	3638	3364	CISCO3925/K9
90		3562	4088	3963	3783	3495	3562	4088	3963	3783	3495	CISCO3925/K9
100		3562	4267	4128	3928	3628	3562	4267	4128	3928	3628	CISCO3925/K9
100	AE	3562	4267	4128	3928	3781	3562	4267	4128	3928	3781	CISCO3925/K9
150		3562	4473	4351	4176	4048	3562	4473	4351	4176	4048	CISCO3945/K9
200		3562	4678	4574	4424	4314	3562	4678	4574	4424	4314	CISCO3925E/K9
300		3562	5220	5220	5220	5040	3562	5220	5220	5220	5040	CISCO3945E/K9
400		5628	6058	5821	5484	5117	5628	6058	5821	5484	5117	ASR1001
500		5628	6781	6488	6072	5508	5628	6781	6488	6072	5508	ASR1001
600		5628	7503	7155	6660	6036	5628	7503	7155	6660	6036	ASR1001
700		5628	8226	7822	7247	6563	5628	8226	7822	7247	6563	ASR1001
800		5628	8949	8489	7834	7091	5628	8949	8489	7834	7091	ASR1001
900		5628	9671	9156	8421	7619	5628	9671	9156	8421	7619	ASR1001
1000	5628	10394	9823	9008	8147	5628	10394	9823	9008	8147	ASR1001	

Product: Meg@POP E-Access (NBAP)

Contract Period: 1 month

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	3911	3831	3716	3708	3332	3911	3831	3716	3708	CISCO1921/K9
20		3332	4544	4443	4295	4119	3332	4544	4443	4295	4119	CISCO1941/K9
30		3332	5722	5386	5217	4788	3332	5722	5386	5217	4788	CISCO2901/K9
40		3332	6846	6665	6395	6068	3332	6846	6665	6395	6068	CISCO2921/K9
50		3332	8045	7641	7271	6221	3332	8045	7641	7271	6221	CISCO2921/K9
60		3332	10361	10078	9681	9594	3332	10361	10078	9681	9594	CISCO2951/K9
70		3332	10960	10637	10165	9747	3332	10960	10637	10165	9747	CISCO2951/K9
80		3562	13060	12690	12158	11992	3562	13060	12690	12158	11992	CISCO3925/K9
90		3562	13659	13242	12643	12145	3562	13659	13242	12643	12145	CISCO3925/K9
100		3562	14258	13794	13127	12297	3562	14258	13794	13127	12297	CISCO3925/K9
100	AE	3562	14258	13794	13127	14482	3562	14258	13794	13127	14482	CISCO3925/K9
150		3562	14946	14539	13956	18929	3562	14946	14539	13956	18929	CISCO3945/K9
200		3562	15633	15285	14785	20993	3562	15633	15285	14785	20993	CISCO3925E/K9
300		3562	17442	17442	17442	24937	3562	17442	17442	17442	24937	CISCO3945E/K9
400		5628	20244	19452	18327	29826	5628	20244	19452	18327	29826	ASR1001
500		5628	22659	21681	20292	31360	5628	22659	21681	20292	31360	ASR1001
600		5628	25074	23910	22254	32894	5628	25074	23910	22254	32894	ASR1001
700		5628	27489	26139	24216	34428	5628	27489	26139	24216	34428	ASR1001
800		5628	29904	28368	26178	35962	5628	29904	28368	26178	35962	ASR1001
900		5628	32319	30597	28140	37495	5628	32319	30597	28140	37495	ASR1001
1000	5628	34734	32826	30102	39029	5628	34734	32826	30102	39029	ASR1001	

		Layer 3									
--	--	---------	--	--	--	--	--	--	--	--	--

Bandwidth (Mbps)	Type of bandwidth	point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					CPE Model
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	3911	3831	3716	3708	3332	3911	3831	3716	3708	CISCO1921/K9
20		3332	4544	4443	4295	4119	3332	4544	4443	4295	4119	CISCO1941/K9
30		3332	5722	5386	5217	4788	3332	5722	5386	5217	4788	CISCO2901/K9
40		3332	6846	6665	6395	6068	3332	6846	6665	6395	6068	CISCO2921/K9
50		3332	8045	7641	7271	6221	3332	8045	7641	7271	6221	CISCO2921/K9
60		3332	10361	10078	9681	9594	3332	10361	10078	9681	9594	CISCO2951/K9
70		3332	10960	10637	10165	9747	3332	10960	10637	10165	9747	CISCO2951/K9
80		3562	13060	12690	12158	11992	3562	13060	12690	12158	11992	CISCO3925/K9
90		3562	13659	13242	12643	12145	3562	13659	13242	12643	12145	CISCO3925/K9
100		3562	14258	13794	13127	12297	3562	14258	13794	13127	12297	CISCO3925/K9
100	AE	3562	14258	13794	13127	14482	3562	14258	13794	13127	14482	CISCO3925/K9
150		3562	14946	14539	13956	18929	3562	14946	14539	13956	18929	CISCO3945/K9
200		3562	15633	15285	14785	20993	3562	15633	15285	14785	20993	CISCO3925E/K9
300		3562	17442	17442	17442	24937	3562	17442	17442	17442	24937	CISCO3945E/K9
400		5628	20244	19452	18327	29826	5628	20244	19452	18327	29826	ASR1001
500		5628	22659	21681	20292	31360	5628	22659	21681	20292	31360	ASR1001
600		5628	25074	23910	22254	32894	5628	25074	23910	22254	32894	ASR1001
700		5628	27489	26139	24216	34428	5628	27489	26139	24216	34428	ASR1001
800		5628	29904	28368	26178	35962	5628	29904	28368	26178	35962	ASR1001
900		5628	32319	30597	28140	37495	5628	32319	30597	28140	37495	ASR1001
1000	5628	34734	32826	30102	39029	5628	34734	32826	30102	39029	ASR1001	

Product: Meg@POP E-Access (NBAP)

Contract Period: 1 year

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1304	1277	1239	1041	3332	1304	1277	1239	1041	CISCO1921/K9
20		3332	1515	1481	1432	1223	3332	1515	1481	1432	1223	CISCO1941/K9
30		3332	1907	1795	1739	1515	3332	1907	1795	1739	1515	CISCO2901/K9
40		3332	2282	2222	2132	1896	3332	2282	2222	2132	1896	CISCO2921/K9
50		3332	2682	2547	2424	2188	3332	2682	2547	2424	2188	CISCO2921/K9
60		3332	3454	3359	3227	2958	3332	3454	3359	3227	2958	CISCO2951/K9
70		3332	3653	3546	3388	3103	3332	3653	3546	3388	3103	CISCO2951/K9
80		3562	4353	4230	4053	3747	3562	4353	4230	4053	3747	CISCO3925/K9
90		3562	4553	4414	4214	3893	3562	4553	4414	4214	3893	CISCO3925/K9
100		3562	4753	4598	4376	4041	3562	4753	4598	4376	4041	CISCO3925/K9
100	AE	3562	4753	4598	4376	4212	3562	4753	4598	4376	4212	CISCO3925/K9
150		3562	4982	4846	4652	4509	3562	4982	4846	4652	4509	CISCO3945/K9
200		3562	5211	5095	4928	4805	3562	5211	5095	4928	4805	CISCO3925E/K9
300		3562	5814	5814	5814	5614	3562	5814	5814	5814	5614	CISCO3945E/K9
400		5628	6748	6484	6109	5700	5628	6748	6484	6109	5700	ASR1001
500		5628	7553	7227	6764	6135	5628	7553	7227	6764	6135	ASR1001
600		5628	8358	7970	7418	6723	5628	8358	7970	7418	6723	ASR1001
700		5628	9163	8713	8072	7311	5628	9163	8713	8072	7311	ASR1001
800		5628	9968	9456	8726	7899	5628	9968	9456	8726	7899	ASR1001
900		5628	10773	10199	9380	8487	5628	10773	10199	9380	8487	ASR1001
1000	5628	11578	10942	10034	9075	5628	11578	10942	10034	9075	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1304	1277	1239	1041	3332	1304	1277	1239	1041	CISCO1921/K9
20		3332	1515	1481	1432	1223	3332	1515	1481	1432	1223	CISCO1941/K9
30		3332	1907	1795	1739	1515	3332	1907	1795	1739	1515	CISCO2901/K9
40		3332	2282	2222	2132	1896	3332	2282	2222	2132	1896	CISCO2921/K9
50		3332	2682	2547	2424	2188	3332	2682	2547	2424	2188	CISCO2921/K9
60		3332	3454	3359	3227	2958	3332	3454	3359	3227	2958	CISCO2951/K9
70		3332	3653	3546	3388	3103	3332	3653	3546	3388	3103	CISCO2951/K9
80		3562	4353	4230	4053	3747	3562	4353	4230	4053	3747	CISCO3925/K9
90		3562	4553	4414	4214	3893	3562	4553	4414	4214	3893	CISCO3925/K9
100		3562	4753	4598	4376	4041	3562	4753	4598	4376	4041	CISCO3925/K9
100	AE	3562	4753	4598	4376	4212	3562	4753	4598	4376	4212	CISCO3925/K9
150		3562	4982	4846	4652	4509	3562	4982	4846	4652	4509	CISCO3945/K9
200		3562	5211	5095	4928	4805	3562	5211	5095	4928	4805	CISCO3925E/K9
300		3562	5814	5814	5814	5614	3562	5814	5814	5814	5614	CISCO3945E/K9
400		5628	6748	6484	6109	5700	5628	6748	6484	6109	5700	ASR1001
500		5628	7553	7227	6764	6135	5628	7553	7227	6764	6135	ASR1001
600		5628	8358	7970	7418	6723	5628	8358	7970	7418	6723	ASR1001
700		5628	9163	8713	8072	7311	5628	9163	8713	8072	7311	ASR1001
800		5628	9968	9456	8726	7899	5628	9968	9456	8726	7899	ASR1001
900		5628	10773	10199	9380	8487	5628	10773	10199	9380	8487	ASR1001
1000	5628	11578	10942	10034	9075	5628	11578	10942	10034	9075	ASR1001	

Product: Meg@POP E-Access (NBAP)

Contract Period: 2 years

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1239	1213	1177	989	3332	1239	1213	1177	989	CISCO1921/K9
20		3332	1439	1407	1360	1162	3332	1439	1407	1360	1162	CISCO1941/K9
30		3332	1812	1705	1652	1439	3332	1812	1705	1652	1439	CISCO2901/K9
40		3332	2168	2110	2025	1801	3332	2168	2110	2025	1801	CISCO2921/K9
50		3332	2548	2420	2302	2079	3332	2548	2420	2302	2079	CISCO2921/K9
60		3332	3281	3191	3066	2810	3332	3281	3191	3066	2810	CISCO2951/K9
70		3332	3471	3368	3219	2948	3332	3471	3368	3219	2948	CISCO2951/K9
80		3562	4136	4018	3850	3560	3562	4136	4018	3850	3560	CISCO3925/K9
90		3562	4325	4193	4004	3699	3562	4325	4193	4004	3699	CISCO3925/K9
100		3562	4515	4368	4157	3839	3562	4515	4368	4157	3839	CISCO3925/K9
100	AE	3562	4515	4368	4157	4001	3562	4515	4368	4157	4001	CISCO3925/K9
150		3562	4733	4604	4419	4283	3562	4733	4604	4419	4283	CISCO3945/K9
200		3562	4951	4840	4682	4565	3562	4951	4840	4682	4565	CISCO3925E/K9
300		3562	5523	5523	5523	5333	3562	5523	5523	5523	5333	CISCO3945E/K9
400		5628	6411	6160	5804	5415	5628	6411	6160	5804	5415	ASR1001
500		5628	7175	6866	6426	5828	5628	7175	6866	6426	5828	ASR1001
600		5628	7940	7572	7047	6387	5628	7940	7572	7047	6387	ASR1001
700		5628	8705	8277	7668	6945	5628	8705	8277	7668	6945	ASR1001
800		5628	9470	8983	8290	7504	5628	9470	8983	8290	7504	ASR1001
900		5628	10234	9689	8911	8063	5628	10234	9689	8911	8063	ASR1001
1000	5628	10999	10395	9532	8621	5628	10999	10395	9532	8621	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1239	1213	1177	989	3332	1239	1213	1177	989	CISCO1921/K9
20		3332	1439	1407	1360	1162	3332	1439	1407	1360	1162	CISCO1941/K9
30		3332	1812	1705	1652	1439	3332	1812	1705	1652	1439	CISCO2901/K9
40		3332	2168	2110	2025	1801	3332	2168	2110	2025	1801	CISCO2921/K9
50		3332	2548	2420	2302	2079	3332	2548	2420	2302	2079	CISCO2921/K9
60		3332	3281	3191	3066	2810	3332	3281	3191	3066	2810	CISCO2951/K9
70		3332	3471	3368	3219	2948	3332	3471	3368	3219	2948	CISCO2951/K9
80		3562	4136	4018	3850	3560	3562	4136	4018	3850	3560	CISCO3925/K9
90		3562	4325	4193	4004	3699	3562	4325	4193	4004	3699	CISCO3925/K9
100		3562	4515	4368	4157	3839	3562	4515	4368	4157	3839	CISCO3925/K9
100	AE	3562	4515	4368	4157	4001	3562	4515	4368	4157	4001	CISCO3925/K9
150		3562	4733	4604	4419	4283	3562	4733	4604	4419	4283	CISCO3945/K9
200		3562	4951	4840	4682	4565	3562	4951	4840	4682	4565	CISCO3925E/K9
300		3562	5523	5523	5523	5333	3562	5523	5523	5523	5333	CISCO3945E/K9
400		5628	6411	6160	5804	5415	5628	6411	6160	5804	5415	ASR1001
500		5628	7175	6866	6426	5828	5628	7175	6866	6426	5828	ASR1001
600		5628	7940	7572	7047	6387	5628	7940	7572	7047	6387	ASR1001
700		5628	8705	8277	7668	6945	5628	8705	8277	7668	6945	ASR1001
800		5628	9470	8983	8290	7504	5628	9470	8983	8290	7504	ASR1001
900		5628	10234	9689	8911	8063	5628	10234	9689	8911	8063	ASR1001
1000	5628	10999	10395	9532	8621	5628	10999	10395	9532	8621	ASR1001	

Product: Meg@POP E-Access (NBAP)

Contract Period: 3 years

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to point (non-residential to NBAP)					point to point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1115	1092	1059	890	3332	1115	1092	1059	890	CISCO1921/K9
20		3332	1295	1266	1224	1046	3332	1295	1266	1224	1046	CISCO1941/K9
30		3332	1631	1535	1487	1295	3332	1631	1535	1487	1295	CISCO2901/K9
40		3332	1951	1899	1823	1621	3332	1951	1899	1823	1621	CISCO2921/K9
50		3332	2293	2178	2072	1871	3332	2293	2178	2072	1871	CISCO2921/K9
60		3332	2953	2872	2759	2529	3332	2953	2872	2759	2529	CISCO2951/K9
70		3332	3124	3031	2897	2653	3332	3124	3031	2897	2653	CISCO2951/K9
80		3562	3722	3617	3465	3204	3562	3722	3617	3465	3204	CISCO3925/K9
90		3562	3893	3774	3603	3329	3562	3893	3774	3603	3329	CISCO3925/K9
100		3562	4064	3931	3741	3455	3562	4064	3931	3741	3455	CISCO3925/K9
100	AE	3562	4064	3931	3741	3601	3562	4064	3931	3741	3601	CISCO3925/K9
150		3562	4260	4144	3978	3855	3562	4260	4144	3978	3855	CISCO3945/K9
200		3562	4455	4356	4214	4109	3562	4455	4356	4214	4109	CISCO3925E/K9
300		3562	4971	4971	4971	4800	3562	4971	4971	4971	4800	CISCO3945E/K9
400		5628	5770	5544	5223	4874	5628	5770	5544	5223	4874	ASR1001
500		5628	6458	6179	5783	5245	5628	6458	6179	5783	5245	ASR1001
600		5628	7146	6814	6342	5748	5628	7146	6814	6342	5748	ASR1001
700		5628	7834	7450	6902	6251	5628	7834	7450	6902	6251	ASR1001
800		5628	8523	8085	7461	6754	5628	8523	8085	7461	6754	ASR1001
900		5628	9211	8720	8020	7256	5628	9211	8720	8020	7256	ASR1001
1000	5628	9899	9355	8579	7759	5628	9899	9355	8579	7759	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 3										CPE Model
		point to multi-point (non-residential to NBAP)					Multi-point to multi-point (NBAP to NBAP)					
		OTC	MRC for CoS				OTC	MRC for CoS				
			A	B	C	D		A	B	C	D	
10	GPON	3332	1115	1092	1059	890	3332	1115	1092	1059	890	CISCO1921/K9
20		3332	1295	1266	1224	1046	3332	1295	1266	1224	1046	CISCO1941/K9
30		3332	1631	1535	1487	1295	3332	1631	1535	1487	1295	CISCO2901/K9
40		3332	1951	1899	1823	1621	3332	1951	1899	1823	1621	CISCO2921/K9
50		3332	2293	2178	2072	1871	3332	2293	2178	2072	1871	CISCO2921/K9
60		3332	2953	2872	2759	2529	3332	2953	2872	2759	2529	CISCO2951/K9
70		3332	3124	3031	2897	2653	3332	3124	3031	2897	2653	CISCO2951/K9
80		3562	3722	3617	3465	3204	3562	3722	3617	3465	3204	CISCO3925/K9
90		3562	3893	3774	3603	3329	3562	3893	3774	3603	3329	CISCO3925/K9
100		3562	4064	3931	3741	3455	3562	4064	3931	3741	3455	CISCO3925/K9
100	AE	3562	4064	3931	3741	3601	3562	4064	3931	3741	3601	CISCO3925/K9
150		3562	4260	4144	3978	3855	3562	4260	4144	3978	3855	CISCO3945/K9
200		3562	4455	4356	4214	4109	3562	4455	4356	4214	4109	CISCO3925E/K9
300		3562	4971	4971	4971	4800	3562	4971	4971	4971	4800	CISCO3945E/K9
400		5628	5770	5544	5223	4874	5628	5770	5544	5223	4874	ASR1001
500		5628	6458	6179	5783	5245	5628	6458	6179	5783	5245	ASR1001
600		5628	7146	6814	6342	5748	5628	7146	6814	6342	5748	ASR1001
700		5628	7834	7450	6902	6251	5628	7834	7450	6902	6251	ASR1001
800		5628	8523	8085	7461	6754	5628	8523	8085	7461	6754	ASR1001
900		5628	9211	8720	8020	7256	5628	9211	8720	8020	7256	ASR1001
1000	5628	9899	9355	8579	7759	5628	9899	9355	8579	7759	ASR1001	

Product: MetroEthernet with Exchange Diversity

Contract Period: 1 year

Bandwidth (Mbps)	Layer 2															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	1162	1138	1104	928	1626	610	597	580	487	1626	610	597	580	487	CISCO1921/K9
20	1431	1350	1320	1276	1090	1626	709	693	670	572	1626	709	693	670	572	CISCO1941/K9
30	1431	1616	1574	1516	1318	1626	848	826	796	692	1626	848	826	796	692	CISCO2901/K9
40	1431	2034	1980	1900	1690	1626	1068	1040	998	887	1626	1068	1040	998	887	CISCO2921/K9
50	1431	2214	2144	2046	1820	1626	1162	1126	1074	956	1626	1162	1126	1074	956	CISCO2921/K9
60	1431	3078	2994	2876	2636	1626	1616	1572	1510	1384	1626	1616	1572	1510	1384	CISCO2951/K9
70	1431	3256	3160	3020	2766	1626	1709	1659	1586	1452	1626	1709	1659	1586	1452	CISCO2951/K9
80	1680	3880	3770	3612	3340	1875	2037	1979	1896	1754	1875	2037	1979	1896	1754	CISCO3925/K9
90	1680	4058	3934	3756	3470	1875	2130	2065	1972	1822	1875	2130	2065	1972	1822	CISCO3925/K9
100	1680	4236	4098	3900	3602	1875	2224	2151	2048	1891	1875	2224	2151	2048	1891	CISCO3925/K9
200	1680	4644	4541	4392	4283	1875	4669	4508	4277	4104	1875	4669	4508	4277	4104	CISCO3925E/K9
300	1680	4750	4750	4750	4750	1875	5776	5559	5248	5017	1875	5776	5559	5248	5017	CISCO3945E/K9
400	3912	4920	4910	4900	4890	4106	7091	6801	6387	6077	4106	7091	6801	6387	6077	ASR1001
500	3912	5053	4984	4885	4812	4106	8030	7668	7149	6764	4106	8030	7668	7149	6764	ASR1001
600	3912	5257	5205	5131	5076	4106	8969	8534	7913	7450	4106	8969	8534	7913	7450	ASR1001
700	3912	5461	5427	5377	5341	4106	9909	9402	8676	8135	4106	9909	9402	8676	8135	ASR1001
800	3912	5600	5590	5580	5570	4106	10848	10268	9440	8821	4106	10848	10268	9440	8821	ASR1001
900	3912	5735	5730	5725	5720	4106	11787	11134	10203	9508	4106	11787	11134	10203	9508	ASR1001
1000	3912	5870	5870	5870	5870	4106	12726	12002	10966	10193	4106	12726	12002	10966	10193	ASR1001

Product: MetroEthernet with Exchange Diversity

Contract Period: 2 years

Bandwidth (Mbps)	Layer 2															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	1104	1081	1049	882	1431	580	568	551	463	1431	580	568	551	463	CISCO1921/K9
20	1431	1283	1254	1212	1036	1431	673	658	636	544	1431	673	658	636	544	CISCO1941/K9
30	1431	1535	1495	1440	1252	1431	806	785	756	657	1431	806	785	756	657	CISCO2901/K9
40	1431	1932	1881	1805	1606	1431	1014	988	948	843	1431	1014	988	948	843	CISCO2921/K9
50	1431	2103	2037	1944	1729	1431	1104	1069	1020	908	1431	1104	1069	1020	908	CISCO2921/K9
60	1431	2924	2844	2732	2504	1431	1535	1493	1434	1315	1431	1535	1493	1434	1315	CISCO2951/K9
70	1431	3093	3002	2869	2628	1431	1624	1576	1506	1380	1431	1624	1576	1506	1380	CISCO2951/K9
80	1680	3686	3582	3431	3173	1680	1935	1880	1801	1666	1680	1935	1880	1801	1666	CISCO3925/K9
90	1680	3855	3737	3568	3297	1680	2024	1962	1873	1731	1680	2024	1962	1873	1731	CISCO3925/K9
100	1680	4024	3893	3705	3422	1680	2113	2044	1945	1796	1680	2113	2044	1945	1796	CISCO3925/K9
200	1680	4412	4314	4173	4069	1680	4436	4282	4063	3899	1680	4436	4282	4063	3899	CISCO3925E/K9
300	1680	4513	4513	4513	4513	1680	5487	5281	4986	4766	1680	5487	5281	4986	4766	CISCO3945E/K9
400	3912	4674	4665	4655	4646	3912	6736	6461	6068	5774	3912	6736	6461	6068	5774	ASR1001
500	3912	4800	4735	4641	4571	3912	7629	7285	6792	6426	3912	7629	7285	6792	6426	ASR1001
600	3912	4994	4945	4875	4823	3912	8521	8108	7517	7077	3912	8521	8108	7517	7077	ASR1001
700	3912	5188	5156	5108	5074	3912	9413	8932	8242	7729	3912	9413	8932	8242	7729	ASR1001
800	3912	5320	5311	5301	5292	3912	10305	9755	8968	8380	3912	10305	9755	8968	8380	ASR1001
900	3912	5448	5443	5439	5434	3912	11198	10577	9693	9032	3912	11198	10577	9693	9032	ASR1001
1000	3912	5576	5576	5576	5576	3912	12090	11401	10418	9684	3912	12090	11401	10418	9684	ASR1001

Product: MetroEthernet with Exchange Diversity

Contract Period: 3 years

Bandwidth (Mbps)	Layer 2															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	1046	1024	994	835	1431	549	538	522	438	1431	549	538	522	438	CISCO1921/K9
20	1431	1215	1188	1148	981	1431	638	624	603	515	1431	638	624	603	515	CISCO1941/K9
30	1431	1454	1417	1364	1186	1431	764	744	716	623	1431	764	744	716	623	CISCO2901/K9
40	1431	1831	1782	1710	1521	1431	961	936	898	799	1431	961	936	898	799	CISCO2921/K9
50	1431	1993	1930	1841	1638	1431	1046	1013	967	860	1431	1046	1013	967	860	CISCO2921/K9
60	1431	2770	2695	2588	2372	1431	1454	1415	1359	1246	1431	1454	1415	1359	1246	CISCO2951/K9
70	1431	2930	2844	2718	2489	1431	1538	1493	1427	1307	1431	1538	1493	1427	1307	CISCO2951/K9
80	1680	3492	3393	3251	3006	1680	1833	1781	1707	1578	1680	1833	1781	1707	1578	CISCO3925/K9
90	1680	3652	3541	3380	3123	1680	1917	1859	1775	1640	1680	1917	1859	1775	1640	CISCO3925/K9
100	1680	3812	3688	3510	3242	1680	2002	1936	1843	1702	1680	2002	1936	1843	1702	CISCO3925/K9
200	1680	4180	4087	3953	3855	1680	4202	4057	3849	3694	1680	4202	4057	3849	3694	CISCO3925E/K9
300	1680	4275	4275	4275	4275	1680	5198	5003	4723	4515	1680	5198	5003	4723	4515	CISCO3945E/K9
400	3912	4428	4419	4410	4401	3912	6382	6121	5748	5470	3912	6382	6121	5748	5470	ASR1001
500	3912	4548	4486	4396	4331	3912	7227	6901	6435	6088	3912	7227	6901	6435	6088	ASR1001
600	3912	4731	4685	4618	4569	3912	8072	7681	7122	6705	3912	8072	7681	7122	6705	ASR1001
700	3912	4915	4884	4840	4807	3912	8918	8462	7809	7322	3912	8918	8462	7809	7322	ASR1001
800	3912	5040	5031	5022	5013	3912	9763	9241	8496	7939	3912	9763	9241	8496	7939	ASR1001
900	3912	5161	5157	5152	5148	3912	10609	10021	9183	8557	3912	10609	10021	9183	8557	ASR1001
1000	3912	5283	5283	5283	5283	3912	11453	10801	9870	9174	3912	11453	10801	9870	9174	ASR1001

Product: Meg@POP IPVPN EthernetLink with Exchange Diversity

Contract Period: 1 year

Bandwidth (Mbps)	Layer 3															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	849	799	763	735	1431	849	799	763	735	1431	849	799	763	735	CISCO1921/K9
20	1431	895	843	805	775	1431	895	843	805	775	1431	895	843	805	775	CISCO1941/K9
30	1431	987	929	888	854	1431	987	929	888	854	1431	987	929	888	854	CISCO2901/K9
40	1431	1186	1116	1066	1026	1431	1186	1116	1066	1026	1431	1186	1116	1066	1026	CISCO2921/K9
50	1431	1187	1117	1067	1027	1431	1187	1117	1067	1027	1431	1187	1117	1067	1027	CISCO2921/K9
60	1431	1770	1666	1591	1532	1431	1770	1666	1591	1532	1431	1770	1666	1591	1532	CISCO2951/K9
70	1431	1771	1667	1592	1533	1431	1771	1667	1592	1533	1431	1771	1667	1592	1533	CISCO2951/K9
80	1680	2139	2013	1923	1851	1680	2139	2013	1923	1851	1680	2139	2013	1923	1851	CISCO3925/K9
90	1680	2140	2014	1924	1852	1680	2140	2014	1924	1852	1680	2140	2014	1924	1852	CISCO3925/K9
100	1680	2141	2015	1925	1853	1680	2141	2015	1925	1853	1680	2141	2015	1925	1853	CISCO3925/K9
200	1680	3677	3460	3306	3182	1680	3677	3460	3306	3182	1680	3677	3460	3306	3182	CISCO3925E/K9
300	1680	4283	4031	3851	3707	1680	4283	4031	3851	3707	1680	4283	4031	3851	3707	CISCO3945E/K9
400	3912	5032	4736	4524	4355	3912	5032	4736	4524	4355	3912	5032	4736	4524	4355	ASR1001
500	3912	5192	4886	4668	4494	3912	5192	4886	4668	4494	3912	5192	4886	4668	4494	ASR1001
600	3912	5352	5037	4812	4632	3912	5352	5037	4812	4632	3912	5352	5037	4812	4632	ASR1001
700	3912	5512	5188	4956	4771	3912	5512	5188	4956	4771	3912	5512	5188	4956	4771	ASR1001
800	3912	5672	5339	5100	4910	3912	5672	5339	5100	4910	3912	5672	5339	5100	4910	ASR1001
900	3912	5832	5489	5244	5048	3912	5832	5489	5244	5048	3912	5832	5489	5244	5048	ASR1001
1000	3912	5993	5640	5388	5187	3912	5993	5640	5388	5187	3912	5993	5640	5388	5187	ASR1001

Product: Meg@POP IPVPN EthernetLink with Exchange Diversity

Contract Period: 2 years

Bandwidth (Mbps)	Layer 3															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	807	759	725	698	1431	807	759	725	698	1431	807	759	725	698	CISCO1921/K9
20	1431	850	801	765	736	1431	850	801	765	736	1431	850	801	765	736	CISCO1941/K9
30	1431	938	883	844	811	1431	938	883	844	811	1431	938	883	844	811	CISCO2901/K9
40	1431	1127	1060	1013	975	1431	1127	1060	1013	975	1431	1127	1060	1013	975	CISCO2921/K9
50	1431	1128	1061	1014	976	1431	1128	1061	1014	976	1431	1128	1061	1014	976	CISCO2921/K9
60	1431	1682	1583	1511	1455	1431	1682	1583	1511	1455	1431	1682	1583	1511	1455	CISCO2951/K9
70	1431	1682	1584	1512	1456	1431	1682	1584	1512	1456	1431	1682	1584	1512	1456	CISCO2951/K9
80	1680	2032	1912	1827	1758	1680	2032	1912	1827	1758	1680	2032	1912	1827	1758	CISCO3925/K9
90	1680	2033	1913	1828	1759	1680	2033	1913	1828	1759	1680	2033	1913	1828	1759	CISCO3925/K9
100	1680	2034	1914	1829	1760	1680	2034	1914	1829	1760	1680	2034	1914	1829	1760	CISCO3925/K9
200	1680	3493	3287	3141	3023	1680	3493	3287	3141	3023	1680	3493	3287	3141	3023	CISCO3925E/K9
300	1680	4069	3829	3658	3522	1680	4069	3829	3658	3522	1680	4069	3829	3658	3522	CISCO3945E/K9
400	3912	4780	4499	4298	4137	3912	4780	4499	4298	4137	3912	4780	4499	4298	4137	ASR1001
500	3912	4932	4642	4435	4269	3912	4932	4642	4435	4269	3912	4932	4642	4435	4269	ASR1001
600	3912	5084	4785	4571	4400	3912	5084	4785	4571	4400	3912	5084	4785	4571	4400	ASR1001
700	3912	5236	4929	4708	4532	3912	5236	4929	4708	4532	3912	5236	4929	4708	4532	ASR1001
800	3912	5388	5072	4845	4665	3912	5388	5072	4845	4665	3912	5388	5072	4845	4665	ASR1001
900	3912	5540	5215	4982	4796	3912	5540	5215	4982	4796	3912	5540	5215	4982	4796	ASR1001
1000	3912	5693	5358	5119	4928	3912	5693	5358	5119	4928	3912	5693	5358	5119	4928	ASR1001

Product: Meg@POP IPVPN EthernetLink with Exchange Diversity

Contract Period: 3 years

Bandwidth (Mbps)	Layer 3															CPE Model
	point to point					point to multi-point					Multi-point to multi-point					
	OTC	MRC				OTC	MRC				OTC	MRC				
		A	B	C	D		A	B	C	D		A	B	C	D	
10	1431	764	719	687	662	1431	764	719	687	662	1431	764	719	687	662	CISCO1921/K9
20	1431	806	759	725	698	1431	806	759	725	698	1431	806	759	725	698	CISCO1941/K9
30	1431	888	836	799	769	1431	888	836	799	769	1431	888	836	799	769	CISCO2901/K9
40	1431	1067	1004	959	923	1431	1067	1004	959	923	1431	1067	1004	959	923	CISCO2921/K9
50	1431	1068	1005	960	924	1431	1068	1005	960	924	1431	1068	1005	960	924	CISCO2921/K9
60	1431	1593	1499	1432	1379	1431	1593	1499	1432	1379	1431	1593	1499	1432	1379	CISCO2951/K9
70	1431	1594	1500	1433	1380	1431	1594	1500	1433	1380	1431	1594	1500	1433	1380	CISCO2951/K9
80	1680	1925	1812	1731	1666	1680	1925	1812	1731	1666	1680	1925	1812	1731	1666	CISCO3925/K9
90	1680	1926	1813	1732	1667	1680	1926	1813	1732	1667	1680	1926	1813	1732	1667	CISCO3925/K9
100	1680	1927	1814	1733	1668	1680	1927	1814	1733	1668	1680	1927	1814	1733	1668	CISCO3925/K9
200	1680	3309	3114	2975	2864	1680	3309	3114	2975	2864	1680	3309	3114	2975	2864	CISCO3925E/K9
300	1680	3855	3628	3466	3336	1680	3855	3628	3466	3336	1680	3855	3628	3466	3336	CISCO3945E/K9
400	3912	4529	4262	4072	3920	3912	4529	4262	4072	3920	3912	4529	4262	4072	3920	ASR1001
500	3912	4673	4397	4201	4045	3912	4673	4397	4201	4045	3912	4673	4397	4201	4045	ASR1001
600	3912	4817	4533	4331	4169	3912	4817	4533	4331	4169	3912	4817	4533	4331	4169	ASR1001
700	3912	4961	4669	4460	4294	3912	4961	4669	4460	4294	3912	4961	4669	4460	4294	ASR1001
800	3912	5105	4805	4590	4419	3912	5105	4805	4590	4419	3912	5105	4805	4590	4419	ASR1001
900	3912	5249	4940	4720	4543	3912	5249	4940	4720	4543	3912	5249	4940	4720	4543	ASR1001
1000	3912	5394	5076	4849	4668	3912	5394	5076	4849	4668	3912	5394	5076	4849	4668	ASR1001

One time and subscription costs for Bandwidth-on-demand. The incremental charges to be quoted are based on an increment of 5Mbps for a period of one week:

Base Bandwidth (Mbps)	Layer 2					
	Activation charge		Incremental charges for bandwidth upgrade			
	same service port	upgrade to different port	A	B	C	D
10	200	As per new provisioning	188	182	172	162
20	200	As per new provisioning	350	280	274	260
30	200	As per new provisioning	334	380	350	340
40	200	As per new provisioning	356	290	260	260
50	200	As per new provisioning	688	724	716	686
60	200	As per new provisioning	178	166	144	130
70	200	As per new provisioning	624	610	592	574
80	200	As per new provisioning	178	164	144	130
90	200	As per new provisioning	178	164	144	132
100	200	As per new provisioning	103	100	96	92
150	200	As per new provisioning	166	163	158	155
200	200	As per new provisioning	228	225	221	217
300	200	As per new provisioning	170	160	110	90
400	200	As per new provisioning	133	74	25	50
500	200	As per new provisioning	204	221	246	245
600	200	As per new provisioning	204	221	246	245
700	200	As per new provisioning	139	163	203	190
800	200	As per new provisioning	135	140	145	150
900	200	As per new provisioning	135	140	145	150
1000	200	As per new provisioning	135	140	145	150

Base Bandwidth (Mbps)	Layer 3					
	Activation charge		Incremental charges for bandwidth upgrade			
	same service port	upgrade to different port	A	B	C	D

10	200	As per new provisioning	94	91	86	81
20	200	As per new provisioning	133	127	120	114
30	200	As per new provisioning	209	203	192	186
40	200	As per new provisioning	90	82	73	65
50	200	As per new provisioning	432	425	415	408
60	200	As per new provisioning	89	83	72	65
70	200	As per new provisioning	312	305	296	287
80	200	As per new provisioning	89	82	72	65
90	200	As per new provisioning	89	82	72	66
100	200	As per new provisioning	103	100	96	92
150	200	As per new provisioning	166	163	158	155
200	200	As per new provisioning	228	225	221	217
300	200	As per new provisioning	170	160	110	90
400	200	As per new provisioning	133	74	25	50
500	200	As per new provisioning	204	221	246	245
600	200	As per new provisioning	204	221	246	245
700	200	As per new provisioning	139	163	203	190
800	200	As per new provisioning	135	140	145	150
900	200	As per new provisioning	135	140	145	150
1000	200	As per new provisioning	135	140	145	150

Time Required		
Lead Time for service activation	Layer 2	Layer 3
Within same service port	3 working days	3 working days
Upgrade to different port	As per new provisioning	As per new provisioning

Product: Meg@POP EVPL E-Access, Customised Class of Service

Contract Period: 1 year

		Layer 2, Service Availability: 99.95%
--	--	---------------------------------------

Bandwidth (Mbps)	Type of bandwidth	point to point									CPE Model
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			
		OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	
10	GPON	1297	1473	1278	3262	3262	1394	3262	3262	1394	CISCO1921/K9
20		1297	1473	1485	3262	3262	1620	3262	3262	1620	CISCO1941/K9
30		1297	1473	1870	3262	3262	2040	3262	3262	2040	CISCO2901/K9
40		1297	1473	2237	3262	3262	2441	3262	3262	2441	CISCO2921/K9
50		1297	1473	2629	3262	3262	2868	3262	3262	2868	CISCO2921/K9
60		1297	1473	3386	3262	3262	3694	3262	3262	3694	CISCO2951/K9
70		1297	1473	3582	3262	3262	3907	3262	3262	3907	CISCO2951/K9
80		1523	1699	4268	3488	3488	4656	3488	3488	4656	CISCO3925/K9
90		1523	1699	4464	3488	3488	4870	3488	3488	4870	CISCO3925/K9
100		1523	1699	4660	3488	3488	5083	3488	3488	5083	CISCO3925/K9
100	AE	1523	1699	4660	3488	3488	5083	3488	3488	5083	CISCO3925/K9
150		1523	1699	7670	3488	3488	8480	3488	3488	8480	CISCO3945/K9
200		1523	1699	8536	3488	3488	9346	3488	3488	9346	CISCO3925E/K9
300		1523	1699	10472	3488	3488	11282	3488	3488	11282	CISCO3945E/K9
400		3545	3722	12806	5511	5511	13616	5511	5511	13616	ASR1001
500		3545	3722	14496	5511	5511	15306	5511	5511	15306	ASR1001
600		3545	3722	16186	5511	5511	16996	5511	5511	16996	ASR1001
700		3545	3722	17876	5511	5511	18686	5511	5511	18686	ASR1001
800		3545	3722	19566	5511	5511	20376	5511	5511	20376	ASR1001
900		3545	3722	21256	5511	5511	22066	5511	5511	22066	ASR1001
1000	3545	3722	22946	5511	5511	23756	5511	5511	23756	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%								
		point to multi point								

		OTC (standard)	OTC (express)		OTC (standard)	OTC (express)		OTC (standard)	OTC (express)		CPE Model
10	GPON	1297	1473	1214	3262	3262	1325	3262	3262	1325	CISCO1921/K9
20		1297	1473	1411	3262	3262	1539	3262	3262	1539	CISCO1941/K9
30		1297	1473	1777	3262	3262	1938	3262	3262	1938	CISCO2901/K9
40		1297	1473	2126	3262	3262	2319	3262	3262	2319	CISCO2921/K9
50		1297	1473	2498	3262	3262	2725	3262	3262	2725	CISCO2921/K9
60		1297	1473	3217	3262	3262	3509	3262	3262	3509	CISCO2951/K9
70		1297	1473	3403	3262	3262	3712	3262	3262	3712	CISCO2951/K9
80		1523	1699	4055	3488	3488	4423	3488	3488	4423	CISCO3925/K9
90		1523	1699	4241	3488	3488	4626	3488	3488	4626	CISCO3925/K9
100		1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
100	AE	1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
150		1523	1699	7287	3488	3488	8056	3488	3488	8056	CISCO3945/K9
200		1523	1699	8109	3488	3488	8879	3488	3488	8879	CISCO3925E/K9
300		1523	1699	9948	3488	3488	10718	3488	3488	10718	CISCO3945E/K9
400		3545	3722	12166	5511	5511	12935	5511	5511	12935	ASR1001
500		3545	3722	13771	5511	5511	14541	5511	5511	14541	ASR1001
600		3545	3722	15377	5511	5511	16146	5511	5511	16146	ASR1001
700		3545	3722	16982	5511	5511	17752	5511	5511	17752	ASR1001
800		3545	3722	18588	5511	5511	19357	5511	5511	19357	ASR1001
900		3545	3722	20193	5511	5511	20963	5511	5511	20963	ASR1001
1000	3545	3722	21799	5511	5511	22568	5511	5511	22568	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%									
		point to multi-point									
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			
				MRC			MRC				MRC

		OTC (standard)	OTC (express)		OTC (standard)	OTC (express)		OTC (standard)	OTC (express)		CPE Model
10	GPON	1297	1473	1214	3262	3262	1325	3262	3262	1325	CISCO1921/K9
20		1297	1473	1411	3262	3262	1539	3262	3262	1539	CISCO1941/K9
30		1297	1473	1777	3262	3262	1938	3262	3262	1938	CISCO2901/K9
40		1297	1473	2126	3262	3262	2319	3262	3262	2319	CISCO2921/K9
50		1297	1473	2498	3262	3262	2725	3262	3262	2725	CISCO2921/K9
60		1297	1473	3217	3262	3262	3509	3262	3262	3509	CISCO2951/K9
70		1297	1473	3403	3262	3262	3712	3262	3262	3712	CISCO2951/K9
80		1523	1699	4055	3488	3488	4423	3488	3488	4423	CISCO3925/K9
90		1523	1699	4241	3488	3488	4626	3488	3488	4626	CISCO3925/K9
100		1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
100	AE	1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
150		1523	1699	7287	3488	3488	8056	3488	3488	8056	CISCO3945/K9
200		1523	1699	8109	3488	3488	8879	3488	3488	8879	CISCO3925E/K9
300		1523	1699	9948	3488	3488	10718	3488	3488	10718	CISCO3945E/K9
400		3545	3722	12166	5511	5511	12935	5511	5511	12935	ASR1001
500		3545	3722	13771	5511	5511	14541	5511	5511	14541	ASR1001
600		3545	3722	15377	5511	5511	16146	5511	5511	16146	ASR1001
700		3545	3722	16982	5511	5511	17752	5511	5511	17752	ASR1001
800		3545	3722	18588	5511	5511	19357	5511	5511	19357	ASR1001
900		3545	3722	20193	5511	5511	20963	5511	5511	20963	ASR1001
1000	3545	3722	21799	5511	5511	22568	5511	5511	22568	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%									
		Multi-point to multi-point									
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			
		OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	CPE Model

10	GPON	1297	1473	1214	3262	3262	1325	3262	3262	1325	CISCO1921/K9
20		1297	1473	1411	3262	3262	1539	3262	3262	1539	CISCO1941/K9
30		1297	1473	1777	3262	3262	1938	3262	3262	1938	CISCO2901/K9
40		1297	1473	2126	3262	3262	2319	3262	3262	2319	CISCO2921/K9
50		1297	1473	2498	3262	3262	2725	3262	3262	2725	CISCO2921/K9
60		1297	1473	3217	3262	3262	3509	3262	3262	3509	CISCO2951/K9
70		1297	1473	3403	3262	3262	3712	3262	3262	3712	CISCO2951/K9
80		1523	1699	4055	3488	3488	4423	3488	3488	4423	CISCO3925/K9
90		1523	1699	4241	3488	3488	4626	3488	3488	4626	CISCO3925/K9
100		1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
100	AE	1523	1699	4427	3488	3488	4829	3488	3488	4829	CISCO3925/K9
150		1523	1699	7287	3488	3488	8056	3488	3488	8056	CISCO3945/K9
200		1523	1699	8109	3488	3488	8879	3488	3488	8879	CISCO3925E/K9
300		1523	1699	9948	3488	3488	10718	3488	3488	10718	CISCO3945E/K9
400		3545	3722	12166	5511	5511	12935	5511	5511	12935	ASR1001
500		3545	3722	13771	5511	5511	14541	5511	5511	14541	ASR1001
600		3545	3722	15377	5511	5511	16146	5511	5511	16146	ASR1001
700		3545	3722	16982	5511	5511	17752	5511	5511	17752	ASR1001
800		3545	3722	18588	5511	5511	19357	5511	5511	19357	ASR1001
900		3545	3722	20193	5511	5511	20963	5511	5511	20963	ASR1001
1000	3545	3722	21799	5511	5511	22568	5511	5511	22568	ASR1001	

Product: Meg@POP EVPL E-Access, Customised Class of Service

Contract Period: 3 years

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%									
		point to point									
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			CPE Model
		OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	
10	GPON	1297	1473	1150	3262	3262	1255	3262	3262	1255	CISCO1921/K9

20		1297	1473	1337	3262	3262	1458	3262	3262	1458	CISCO1941/K9
30		1297	1473	1683	3262	3262	1836	3262	3262	1836	CISCO2901/K9
40		1297	1473	2014	3262	3262	2197	3262	3262	2197	CISCO2921/K9
50		1297	1473	2366	3262	3262	2581	3262	3262	2581	CISCO2921/K9
60		1297	1473	3047	3262	3262	3324	3262	3262	3324	CISCO2951/K9
70		1297	1473	3223	3262	3262	3516	3262	3262	3516	CISCO2951/K9
80		1523	1699	3841	3488	3488	4190	3488	3488	4190	CISCO3925/K9
90		1523	1699	4017	3488	3488	4383	3488	3488	4383	CISCO3925/K9
100		1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
100	AE	1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
150		1523	1699	6903	3488	3488	7632	3488	3488	7632	CISCO3945/K9
200		1523	1699	7682	3488	3488	8411	3488	3488	8411	CISCO3925E/K9
300		1523	1699	9425	3488	3488	10154	3488	3488	10154	CISCO3945E/K9
400		3545	3722	11525	5511	5511	12254	5511	5511	12254	ASR1001
500		3545	3722	13046	5511	5511	13775	5511	5511	13775	ASR1001
600		3545	3722	14567	5511	5511	15296	5511	5511	15296	ASR1001
700		3545	3722	16088	5511	5511	16817	5511	5511	16817	ASR1001
800		3545	3722	17609	5511	5511	18338	5511	5511	18338	ASR1001
900		3545	3722	19130	5511	5511	19859	5511	5511	19859	ASR1001
1000	3545	3722	20651	5511	5511	21380	5511	5511	21380	ASR1001	

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%									
		point to multi-point									
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			
		OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	CPE Model
10	GPON	1297	1473	1150	3262	3262	1255	3262	3262	1255	CISCO1921/K9
20		1297	1473	1337	3262	3262	1458	3262	3262	1458	CISCO1941/K9

30	AE	1297	1473	1683	3262	3262	1836	3262	3262	1836	CISCO2901/K9
40		1297	1473	2014	3262	3262	2197	3262	3262	2197	CISCO2921/K9
50		1297	1473	2366	3262	3262	2581	3262	3262	2581	CISCO2921/K9
60		1297	1473	3047	3262	3262	3324	3262	3262	3324	CISCO2951/K9
70		1297	1473	3223	3262	3262	3516	3262	3262	3516	CISCO2951/K9
80		1523	1699	3841	3488	3488	4190	3488	3488	4190	CISCO3925/K9
90		1523	1699	4017	3488	3488	4383	3488	3488	4383	CISCO3925/K9
100		1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
100		1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
150		1523	1699	6903	3488	3488	7632	3488	3488	7632	CISCO3945/K9
200		1523	1699	7682	3488	3488	8411	3488	3488	8411	CISCO3925E/K9
300		1523	1699	9425	3488	3488	10154	3488	3488	10154	CISCO3945E/K9
400		3545	3722	11525	5511	5511	12254	5511	5511	12254	ASR1001
500		3545	3722	13046	5511	5511	13775	5511	5511	13775	ASR1001
600		3545	3722	14567	5511	5511	15296	5511	5511	15296	ASR1001
700		3545	3722	16088	5511	5511	16817	5511	5511	16817	ASR1001
800		3545	3722	17609	5511	5511	18338	5511	5511	18338	ASR1001
900		3545	3722	19130	5511	5511	19859	5511	5511	19859	ASR1001
1000		3545	3722	20651	5511	5511	21380	5511	5511	21380	ASR1001

Bandwidth (Mbps)	Type of bandwidth	Layer 2, Service Availability: 99.95%									
		Multi-point to multi-point									
		non-residential - non-residential			non-residential - NBAP			NBAP - NBAP			CPE Model
		OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	OTC (standard)	OTC (express)	MRC	
10	GPON	1297	1473	1150	3262	3262	1255	3262	3262	1255	CISCO1921/K9
20		1297	1473	1337	3262	3262	1458	3262	3262	1458	CISCO1941/K9
30		1297	1473	1683	3262	3262	1836	3262	3262	1836	CISCO2901/K9

40		1297	1473	2014	3262	3262	2197	3262	3262	2197	CISCO2921/K9
50		1297	1473	2366	3262	3262	2581	3262	3262	2581	CISCO2921/K9
60		1297	1473	3047	3262	3262	3324	3262	3262	3324	CISCO2951/K9
70		1297	1473	3223	3262	3262	3516	3262	3262	3516	CISCO2951/K9
80		1523	1699	3841	3488	3488	4190	3488	3488	4190	CISCO3925/K9
90		1523	1699	4017	3488	3488	4383	3488	3488	4383	CISCO3925/K9
100		1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
100	AE	1523	1699	4194	3488	3488	4575	3488	3488	4575	CISCO3925/K9
150		1523	1699	6903	3488	3488	7632	3488	3488	7632	CISCO3945/K9
200		1523	1699	7682	3488	3488	8411	3488	3488	8411	CISCO3925E/K9
300		1523	1699	9425	3488	3488	10154	3488	3488	10154	CISCO3945E/K9
400		3545	3722	11525	5511	5511	12254	5511	5511	12254	ASR1001
500		3545	3722	13046	5511	5511	13775	5511	5511	13775	ASR1001
600		3545	3722	14567	5511	5511	15296	5511	5511	15296	ASR1001
700		3545	3722	16088	5511	5511	16817	5511	5511	16817	ASR1001
800		3545	3722	17609	5511	5511	18338	5511	5511	18338	ASR1001
900		3545	3722	19130	5511	5511	19859	5511	5511	19859	ASR1001
1000	3545	3722	20651	5511	5511	21380	5511	5511	21380	ASR1001	

Modification Services:

Description	OTC	Remarks
Change in network bandwidth per connection	456	Bandwidth change must be within the bandwidth supported under the existing service port type.
Change in Class of Service per connection (office hours)	456	
Change in Class of Service per connection (after office hours)	712	
Change of GPON to AE per connection	1300	For Non-NBAP connectivity. Change in service port is considered a new service subscription. 100% PTC applies on the remaining contract term (if applicable). A minimum contract of 1 year applies on the new connection.

Change of GPON to AE per connection	3600	For NBAP connectivity. Change in service port is considered a new service subscription. 100% PTC applies on the remaining contract term (if applicable). A minimum contract of 1 year applies on the new connection.
-------------------------------------	------	--

Multicast Services:

Description	OTC	Remarks
multicast service (1 year)	1250	Applicable for connectivity ≥ 3 Mbps. Max bandwidth utilized for multicast service = 2Mbps. Customer can subscribe to max 5 multicast sources (headend) and max 5 multicast groups (tailend) for each multicast source.
multicast service (2 years)	2450	Applicable for connectivity ≥ 3 Mbps. Max bandwidth utilized for multicast service = 2Mbps. Customer can subscribe to max 5 multicast sources (headend) and max 5 multicast groups (tailend) for each multicast source.
multicast service (3 years)	3650	Applicable for connectivity ≥ 3 Mbps. Max bandwidth utilized for multicast service = 2Mbps. Customer can subscribe to max 5 multicast sources (headend) and max 5 multicast groups (tailend) for each multicast source.
multicast service (1 month)	150	Applicable for connectivity ≥ 3 Mbps. Max bandwidth utilized for multicast service = 2Mbps. Customer can subscribe to max 5 multicast sources (headend) and max 5 multicast groups (tailend) for each multicast source.

Network Relocation Charge:

Bandwidth (Mbps)	Relocation Charge Per connection for Office Hours (\$)	Relocation Charge Per connection for After Office Hours (\$)
10	1470	2940
20	1470	2940
30	1470	2940
40	1470	2940
50	1470	2940
60	1470	2940
70	1470	2940
80	1470	2940
90	1470	2940
100	1470	2940

100	1470	2940
150	1470	2940
200	1470	2940
300	1470	2940
400	1470	2940
500	1470	2940
600	1470	2940
700	1470	2940
800	1470	2940
900	1470	2940
1000	1470	2940

Manpower rates for additional works orders / service requests:

Grade / Type of Staff	Unit Cost / man-hour (S\$)		Remarks
	Office Hours	After Office Hours	
Project Manager	49.21	98.42	FTE: 1 circuit = 2 man-day (For Meg@pop & MetroE services only)
Field Technician	40.50	61.50	Min 2 hours per work order/service request.
Field Engineer	40.50	61.50	Min 2 hours per work order/service request.
Nucleus Connect Manpower	238.10	476.19	Minimum 2 hours per visit
CPE Engineer	59.00	118.00	In the event that there is a need to go onsite for upgrade of patches per CPPE, this charge applies. 1 visit is 4 hours
Programme Manager	67.67	135.33	1. Dedicated Headcount 2. Programme Manager will work with customer's vendors but will not manage or responsible or ensure that their service levels are met.

Grade / Type of Staff	Unit Cost / man-day (S\$)		Unit Cost / man-month (S\$)		Remarks
	Office Hours	After Office Hours	Office Hours	After Office Hours	
Project Manager	393.70	787.39	8661.33	17322.67	See Above
Field Technician	324.00	486.00	7725.00	11587.50	See Above
Field Engineer	324.00	486.00	7725.00	11587.50	See Above
Nucleus Connect Manpower	1904.76	3809.52	38095.24	76190.48	See Above
CPE Engineer	472.00	944.00	9440.00	18880.00	See Above
Programme Manager	541.33	1082.67	11909.33	23818.67	See Above

Material costs for ground installation work:

Type of material	Unit Cost / per metre (\$)	Remarks
Cat 5E RJ45 Shielded Twisted Pair (FTP)	0.845	Supply of cables only
Cat 6 RJ45 Shielded Twisted Pair (FTP)	1.066	Supply of cables only
Cat 6A RJ45 Shielded Twisted Pair (FTP)	1.521	Supply of cables only
Indoor, Tight Buffered LSZH (Low Smoke Zero Halogen), 4 Core Single mode 9/125 (i.e. indoor fibre)	2.405	Supply of cables only
Corrugated Steel armoured, 4 Core Single mode 9/125, LSZH (i.e. outdoor fibre)	3.705	Supply of cables only
Metal Tray (200 mm) with support bracket	24.7	White. Supply of materials only