

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Andhra Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.94	98.00		99.66			99.96	98	100	99.97	
				2G (GSM)			98.00								
				3G			98.00								
	2	Successful data transmission download attempts	>80%	All Generations								100	100	100.00	
				2G (GSM)	100.00	100.00	96.93	100.00							
				3G	100.00	100.00	94.46	100.00							
				4G							100.00				
	3	Successful data transmission upload attempts	>75%	All Generations								100	100	100.00	
				2G (GSM)	100.00	100.00	96.83	100.00							
				3G	100.00	100.00	97.22	100.00							
				4G							100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							70(Photon whiz)			
					Plan 2							1977(Photon Plus)			
				2G	Plan 1	98.16	158.92	29.98(Data plans-96,1499,2799,3999)	135(Open Plan)				131(EDGE)	94.7	159.20(Rs 125 Plan with 1GB free)
					Plan 1	2748.29	1753.16	763.35(Data plans-96,1499,2799,3999)	2398(Open Plan)						
				4G	Plans							4640.21		1454.63	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							74(Photon Whiz)			
					Plan 2							2133(Photon Plus)			
				2G	Plan 1	183.84	210.44	131.07(Data plans-96,1499,2799,3999)	141(Open Plan)				136(EDGE)	165.3	197.86(Rs 125 Plan with 1GB free)
					Plan 1	4302.32	2752.50	2775.54(Data plans-96,1499,2799,3999)	3756(Open Plan)						
				4G	Plans							19659.18		6556.2933	
	6	Latency	Data <250ms	All Generations								100	212.9		
				2G (GSM)	103.10	85.00	189.30	133.00						109.92	
				3G	18.40	42.00	83.05	27.00							
				4G							81.95				
	7	PDP Context Activation Success Rate	≥95%	All Generations								97.98	98		
				2G (GSM)	96.32	99.98	99.21	99.81						99.79	
				3G	96.32	98.81	99.44	97.27							
4G										99.60					
8	Drop rate :	≤5%	All Generations								0.6	0.48			
			2G (GSM)	1.43	2.09	0.63	0.91						3.10		
			3G	0.40	0.63	0.51	0.20								
			4G							0.50					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Assam	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.70	96.00		99.89			99.95		99.89	
				2G (GSM)			100.00							
				3G			100.00							
	2	Successful data transmission download attempts	>80%	All Generations										
				2G (GSM)	100.00	100.00	97.30	100.00					100.00	
				3G	100.00	100.00	97.30						100.00	
				4G						100.00				
	3	Successful data transmission upload attempts	>75%	All Generations										
				2G (GSM)	100.00	100.00	97.30	100.00					100.00	
				3G	100.00	100.00	97.30						100.00	
				4G						100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1									
				2G	Plan 1	113.19	115.50	77(All plans)	74(Open Plan)					130(Pack@699)
				3G	Plan 1	1991.15	2364.45	1233(All plans)						2916.86
				4G	Plans							3214.07		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1									
				2G	Plan 1	192.41	184.65	130(All plans)	146(Open Plan)					150.56 (Pack@699)
				3G	Plan 1	3540.06	3355.94	2888(All plans)						3396.00
				4G	Plans							14782.13		
	6	Latency	Data <250ms	All Generations										
				2G (GSM)	104.00	231.00	255.80	101.00						181.00
				3G	46.33	36.90	163.80							62.00
				CDMA										
				4G							81.67			
	7	PDP Context Activation Success Rate	≥95%	All Generations										
				2G (GSM)	99.55	97.05	98.30	99.88						99.91
				3G	99.55	99.97	97.20							97.53
				CDMA										
4G										99.63				
8	Drop rate :	≤5%	All Generations											
			2G (GSM)	1.07	2.06		0.20						2.26	
			3G	0.76	0.89	1.30							0.58	
			4G							0.48				

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status														
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone					
Bihar and Jharkhand	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.83	93.00		99.79			99.95	100	100	99.99				
				2G (GSM)			100.00											
				3G			100.00											
	2	Successful data transmission download attempts	>80%	All Generations								100	100					
				2G (GSM)	100.00	100.00	100.00	100.00						100.00				
				3G	100.00	100.00	100.00	100.00										
				4G							100.00							
	3	Successful data transmission upload attempts	>75%	All Generations								100	100					
				2G (GSM)	100.00	100.00	100.00	100.00						100.00				
				3G	100.00	100.00	100.00	100.00										
				4G							100.00							
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1								63(Photon Whiz)					
					Plan 2								1350(Photon Plus)					
				2G	Plan 1	126.45	33.64	55.1(2G Postpaid)	86(Open Plan)					106(EDGE)	106.1	141(VMC+VFL_3GB_30d_2G_2G RC 199Y_2G)		
					Plan 2			51.9(Prepaid 2G data)										
				3G	Plan 1	2008.24	2884.10	691.7(3G Postpaid data Plans)	2115(Open Plan)									
					Plan 2			691.7(3G Prepaid data plan)										
				4G	Plans									4388.46		975.95333		
				5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1								73(Photon Whiz)		
								Plan 2								1537(Photon Plus)		
	2G	Plan 1	177.79				132.93	106.4(2G Postpaid data plans)	155(Open Plan)					132(EDGE)	137	169(VMC+VFL_3GB_30d_2G_2G RC 199Y_2G)		
		Plan 2						106.4(Prepaid 2G data)										
	3G	Plan 1	2990.34				2740.42	1632(3G Postpaid data plan)	1378(Open Plan)									
		Plan 2						1632(3G Prepaid data plan)										
	4G	Plans									22442.57		2003.79					
	6	Latency	Data <250ms	All Generations									90.12	181.9				
2G (GSM)				94.49	143.00	223.70	234.00							123.00				
3G				28.80	102.00	139.00	31.00											
4G											96.93							
7	PDP Context Activation Success Rate	≥95%	All Generations									98.47	97.7					
			2G (GSM)	99.85	99.01	98.10	99.67							99.45				
			3G	99.85	99.02	95.70	96.54											
			4G								99.67							
8	Drop rate :	≤5%	All Generations									0.5	0.61					
			2G (GSM)	1.32	3.50	0.90	1.31							1.71				
			3G	0.76	0.26		0.16											
			4G								0.60							

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Chennai	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations			100.00							
				3G										
	2	Successful data transmission download attempts	>80%	All Generations										
				2G (GSM)			95.38							
				3G			96.81							
				CDMA										
	3	Successful data transmission upload attempts	>75%	All Generations										
				2G (GSM)			96.85							
				3G			96.88							
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1									
				2G	Plan 1			62.00						
				3G	Plan 1			1112.00						
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1									
					Plan 2									
					Plan 3									
				2G	Plan 1			143.00						
				3G	Plan 1			2660.00						
	6	Latency	Data <250ms	All Generations										
				2G (GSM)			196.00							
				3G			96.00							
				CDMA										
	7	PDP Context Activation Success Rate	≥95%	All Generations										
				2G (GSM)			98.16							
				3G			98.53							
				CDMA										
	8	Drop rate :	≤5%	All Generations										
				2G (GSM)			1.90							
				3G			1.77							
CDMA														

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
Delhi	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.35	100.00		99.10	98.84		99.89	99		100.00		
				3G												
				CDMA						98.00						
	2	Successful data transmission download attempts	>80%	All Generations								100				
				2G (GSM)	100.00	100.00		100.00	94.34					99.13		
				3G		100.00		100.00	97.59						98.88	
				CDMA						100						
	3	Successful data transmission upload attempts	>75%	All Generations								100				
				2G (GSM)	100.00	100.00		100.00	89.84					99.13		
				3G		100.00		100.00	96.21						99.12	
				CDMA						100						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						896(Mblaze)	80(Photon Whiz)				
					Plan 2						2250(Mblaze ultra)	1702(Photon Plus)				
					Plan 3							2807(Photon Max)				
				2G	Plan 1	91.39	80.38		58(Open Plan)	89.77						79.53(Rs 125 Rental plan with 1GB free)
					3G		1593.00		2166(Open Plan)	680.58						1106.33(Rs 250 Rental plan with 1GB free)
					4G	Plans						6195.20				
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1558(Mblaze)	83(Photon Whiz)				
					Plan 2						3467(Mblaze ultra)	2120(Photon Plus)				
					Plan 3							3653(Photon Max)				
				2G	Plan 1	146.99	101.72		156(Open Plan)	96.73						175.90(Rs 125 Rental plan with 1GB free)
					3G		2669.00		4955(Open Plan)	894.43						2379(Rs 250 Rental plan with 1GB free)
					4G	Plans						27991.53				
	6	Latency	Data <250ms	All Generations					147.67			97.6				
				2G (GSM)	115.02	227.00		131.00						207.67		
				3G		82.50		56.00						63.33		
				CDMA						61						
				4G							64.77					
7	PDP Context Activation Success Rate	≥95%	All Generations					97.49			95.64033					
			2G (GSM)	96.39	99.97		99.57					99.65				
			3G		99.92		98.98					99.47				
			CDMA						98.92							
8	Drop rate :	≤5%	All Generations					3.19			1.083					
			2G (GSM)	0.69	1.31		0.17					1.83				
			3G		0.60		0.92					1.57				
			CDMA						1.4							
			4G						0.49							

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status													
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone				
Gujarat	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	95.00	98.00	99.15			99.87	97	100	100.00			
				2G (GSM)													
				CDMA							97.00						
	2	Successful data transmission download attempts	>80%	All Generations			99.00					100	100				
				2G (GSM)	95.53	100.00		100.00							99.96		
				3G		100.00		100.00								100.00	
				CDMA							100						
	3	Successful data transmission upload attempts	>75%	All Generations			97.00					100	100				
				2G (GSM)	99.88	100.00		100.00							98.86		
				3G		100.00		100.00								100.00	
				CDMA							100						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						639(Mblaze)	76(Photon whiz)					
					Plan 2						1802(Mblaze ultra)	1226(Photon Plus)					
					Plan 3												
				2G	Plan 1	120.13	81.01		100(Open Plan)				80(EDGE)	93.7	85.71 (2G MI199)		
					Plan 2												
					Plan 3								2080(Photon 3G)				
				3G	Plan 1		521.15	1383 kbps	2613(Open Plan)								1846.83(3G MI850)
					Plan 2												
					Plan 3									4063(Photon3G+)			
				4G	Plans									4580.71		2935.9648	
	Plan 1									1293(Mblaze)		89(Photon Whiz)					
	Plan 2									2949(Mblaze ultra)		2129(Photon Plus)					
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1												
					Plan 2												
					Plan 3												
				2G	Plan 1	173.93	109.66		160(Open Plan)					136(EDGE)	160	141.58 (2G MI199)	
					Plan 2												
Plan 3													3339(Photon 3G)				
3G	Plan 1		2116.57	1794 kbps	4757(Open Plan)								4367 (3G MI850)				
	Plan 2																
	Plan 3									4902(Photon3G+)							
6	Latency	Data <250ms	All Generations			94ms						62.7	137				
			2G (GSM)	100.67	195.00		97.00							132.67			
			3G		180.00		67.00								29.67		
			CDMA							78							
7	PDP Context Activation Success Rate	≥95%	All Generations			96.8						98.8	99.6				
			2G (GSM)	99.26	99.99		99.99							99.90			
			3G		99.23		99.79								99.92		
			CDMA								98.35						
			4G									99.61					
8	Drop rate :	≤5%	All Generations			1.4						1.5	0.74				
			2G (GSM)	0.85	4.98		0.00							3.11			
			3G		0.06		0.01								0.58		
			CDMA								0.2						
			4G									0.58					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
HP	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	98.84	95.00	100.00	99.01			99.95			99.72		
				2G (GSM)												
				3G												
				CDMA												
	2	Successful data transmission download attempts	>80%	All Generations			91.00	100.00				100				
				2G (GSM)	100.00	100.00		100.00						100.00		
				3G		100.00										
				4G							100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			92.00					100				
				2G (GSM)	100.00	100.00		100.00						100.00		
				3G		100.00		100.00								
				4G							100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1								63(Photon Whiz)			
					Plan 2								707(Photon Plus)			
				2G	Plan 1	97.96	120.00	77.00	164(Open Plan)				53(EDGE)		134.88(Talk invitation 50)	
					3G	Plan 1		1955.84	953.00	2916(Open Plan)						
						Plan 2										
				4G	Plan 3											
					Plans								5596.57			
				5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							71(Photon Whiz)	
	Plan 2											1223(Photon Plus)				
	2G	Plan 1	159.54				224.00	99.00	155(Open Plan)				94(EDGE)		157.92(Talk invitation 50)	
		3G	Plan 1					5703.68	1233.00	4878(Open Plan)						
			Plan 2													
	4G	Plans											27192.03			
	6	Latency	Data <250ms	All Generations			105.00					130.64				
				2G (GSM)	123.17	167.00		202.00						192.83		
				3G		172.00		178.00								
4G										63.68						
7	PDP Context Activation Success Rate	≥95%	All Generations			99.10					98.24					
			2G (GSM)	99.92	99.36		100.00						99.43			
			3G		99.98		100.00									
			4G							99.79						
8	Drop rate :	≤5%	All Generations			1.00					1.24					
			2G (GSM)	0.78	1.39		1.01						1.97			
			3G		1.02		1.28									
			4G							0.46						

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
Haryana	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	99.00	98.00	99.21			99.93	100		99.98		
				2G (GSM)												
	2	Successful data transmission download attempts	>80%	All Generations			88.67						100			
				2G (GSM)	100.00	100.00		100.00					100.00			
				3G		100.00		100.00						100.00		
				4G							100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			87.33						100			
				2G (GSM)	100.00	100.00		100.00						100.00		
				3G		100.00		100.00							100.00	
				4G							100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1								42.80(Photon Whiz)			
					Plan 2								1077.64(Photon Plus)			
				2G	Plan 1	155.81	173.00	78.33	129(Open Plan)				83.53(EDGE)		135.78(PLAN-198 Rs/2GB)	
					3G	Plan 1		2355.20	950.00	3043(Open Plan)				1806.96(Photon 3G)		4564.97(PLAN-198 Rs/2GB)
						Plan 2								2480.17(Photon 3G)		
				4G	Plan 3								2917.71(Photon3G+)			
					Plans								4255.94			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1								73.79(Photon whiz)			
					Plan 2								1583.56(Photon Plus)			
				2G	Plan 1	198.59	181.00	104.33	170(Open Plan)				105.22(EDGE)		177.50(PLAN-198 Rs/2GB)	
					3G	Plan 1		4403.20	1715.00	5521(Open Plan)				2657.90(Photon 3G)		7991.10(PLAN-198 Rs/2GB)
						Plan 2								3289.56(Photon 3G)		
				4G	Plan 3								3888.33(Photon3G+)			
					Plans											
	6	Latency	Data <250ms	All Generations			114.00						68.1			
				2G (GSM)	122.69	211.00		156.00						97.31		
				3G		97.00		39.00						15.00		
4G											67.24					
7	PDP Context Activation Success Rate	≥95%	All Generations			96.28						98.8				
			2G (GSM)	99.85	99.98		99.94						99.57			
			3G		100.00		99.12						99.13			
			4G							99.66						
8	Drop rate :	≤5%	All Generations			4.04						1.1				
			2G (GSM)	0.26	1.06		1.66						3.97			
			3G		0.07		1.75						1.08			
			4G							0.65						

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Jammu and Kashmir	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.49	100.00	95.00	99.71			99.55		99.97	
				3G										
	2	Successful data transmission download attempts	>80%	All Generations			92.00							
				2G (GSM)	100.00	100.00		100.00					98.13	
				3G	100.00	100.00		100.00						
				4G						100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			88.00							
				2G (GSM)	100.00	100.00		100.00					97.44	
				3G	100.00	100.00		100.00						
				4G						100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA Plan 1										
				2G Plan 1	181.48	174.24	11.00	166(Open Plan)					136.71(Plan-99_1GB)	
				3G Plan 1	3239.25	2867.20	282.00	2433(Open Plan)						
				4G Plans						4050.27				
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1										
				2G Plan 1	206.19	208.43	11.00	165(Open Plan)					157.46(Plan-99_1GB)	
				3G Plan 1	3416.75	3891.20	2095.00	4433(Open Plan)						
				4G Plans						18623.84				
	6	Latency	Data <250ms	All Generations			151.00							
				2G (GSM)	108.00	203.00		208.00					132.33	
				3G	35.67	90.00		178.00						
				4G						70.68				
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.00							
				2G (GSM)	98.60	100.00		100.00					99.98	
3G				98.60	100.00		100.00							
4G									99.73					
8	Drop rate :	≤5%	All Generations			0.60								
			2G (GSM)	1.05	1.97		0.31					2.81		
			3G	1.40	0.40		1.45							
			4G						0.46					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Kolkata	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.98	94.00		99.55		99	99.67	100		100.00	
				3G											
	2	Successful data transmission download attempts	>80%	All Generations			96.33					100			
				2G (GSM)	100.00	100.00		100.00						99.81	
				3G	100.00	100.00		100.00						100.00	
				CDMA						100					
				4G							100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			95.00					100			
				2G (GSM)	100.00	100.00		100.00						99.90	
				3G	100.00	100.00		100.00						99.85	
				CDMA						100					
				4G							100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						1020(Mblaze)		58(Photon whiz)		
					Plan 2						1410(Mblaze ultra)		653(Photon Plus)		
				2G	Plan 1	117.32	167.28	34.30	132(Open Plan)				91(EDGE)		162.92(Postpaid PayG unlimited)
					Plan 2				2461(Open Plan)						
				3G	Plan 1	1445.89	5027.18	510.00							3161(Postpaid PayG unlimited)
				4G	Plans						7418.46				
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1485(Mblaze)		75(Photon Whiz)		
					Plan 2						1924(Mblaze ultra)		1075(Photon Plus)		
				2G	Plan 1	217.05	214.78	62.00	163(Open Plan)				156(EDGE)		204.54(Postpaid payG Unlimited)
				3G	Plan 1	3644.07	6942.19	1376.66	3461(Open Plan)						7225.62(Postpaid PayG unlimited)
				4G	Plans						33779.10				
	6	Latency	Data <250ms	All Generations			110.00						108.44		
				2G (GSM)	157.19	132.00		131.00							136.00
				3G	30.06	61.00		64.00							55.33
				CDMA						64					
				4G							63.82				
7	PDP Context Activation Success Rate	≥95%	All Generations								98.48				
			2G (GSM)	98.71	98.96	99.75	99.89							99.90	
			3G	98.71	99.97	99.95	98.10							98.57	
			CDMA						99						
			4G							98.42					
8	Drop rate :	≤5%	All Generations								1.62				
			2G (GSM)	0.71	1.91		1.40							3.26	
			GSM (OSS)		0.11		1.49								
			3G	0.90										0.47	
			CDMA						0.2						
			4G							0.37					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
Kerala	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.51	97.00		99.48			99.93	100		99.82		
				2G (GSM)												
				CDMA							96.00					
	2	Successful data transmission download attempts	>80%	All Generations			96.53					100				
				2G (GSM)	94.64	100.00		100.00						100.00		
				3G	94.64	100.00		100.00						100.00		
				CDMA						100						
	3	Successful data transmission upload attempts	>75%	All Generations			96.15					100				
				2G (GSM)	92.89	100.00		100.00						100.00		
				3G	92.89	100.00		100.00						100.00		
				CDMA						100						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						481(Mblaze)		68(Photon whiz)			
					Plan 2						1022(Mblaze ultra)		881(Photon Plus)			
					Plan 3								1605(Photon Max)			
				2G	Plan 1	75.14	82.10	40.14	120(Open Plan)				46(EDGE)		166.42(3GB VMC 199 plan)	
					Plan 2											
					Plan 3								1345(Photon 3G)			
				3G	Plan 1	2898.67	1725.45	411.80	2390(Open Plan)							3092.12
					Plan 2											
					Plan 3									2591(Photon3G+)		
				4G	Plans								7811.48			
	CDMA	Plan 1								1017(Mblaze)		79(Photon Whiz)				
		Plan 2								1826(Mblaze ultra)		1836(Photon Plus)				
		Plan 3									1939(Photon Max)					
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	Plan 1	183.85	142.00	68.58	125(Open Plan)				124(EDGE)		190.69(3GB VMC 199 plan)	
					Plan 2											
					Plan 3											
				3G	Plan 1	3107.09	3730.43	951.67	3474(Open Plan)							4488.86
Plan 2														3935(Photon 3G)		
Plan 3														5429(Photon3G+)		
6	Latency	Data <250ms	All Generations			142.00						58.1				
			2G (GSM)	70.65	216.00		122.00						59.00			
			3G	33.72	97.30		44.00						26.67			
			CDMA							93						
			4G								74.28					
7	PDP Context Activation Success Rate	≥95%	All Generations			97.99						98.9				
			2G (GSM)	99.64	100.00		98.13						99.15			
			3G	99.64	99.91		96.78						96.12			
			CDMA							99.1						
			4G								99.70					
8	Drop rate :	≤5%	All Generations			0.44						0.8				
			2G (GSM)	2.20	1.10		1.37						3.40			
			3G	1.35	0.20		1.18						1.00			
			CDMA							1.2						
			4G								0.59					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status													
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone				
Karnataka	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.52	98.00	100.00	97.43			99.92	94		99.96			
				2G (GSM)													
				CDMA							99.00						
	2	Successful data transmission download attempts	>80%	All Generations								100					
				2G (GSM)	100.00	100.00	100.00	100.00						100.00			
				3G	100.00	100.00	100.00							100.00			
				CDMA							100						
	3	Successful data transmission upload attempts	>75%	All Generations								100					
				2G (GSM)	100.00	100.00	100.00	100.00						100.00			
				3G	100.00	100.00	100.00							100.00			
				CDMA							100						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						720(Mblaze)	43.09(Photon Whiz)					
					Plan 2						1046(Mblaze ultra)	869.67(Photon Plus)					
					Plan 3							1238.27(Photon Max0					
				2G	Plan 1	120.97	138.73	15.96	166(Open Plan)				91.73(EDGE)			97.68(2 GB unlimited @ MRP 199)	
					Plan 2												
				3G	Plan 1	2438.68	1568.96	827.83									8424.50
					Plan 2										3164(Photon3G+)		
	4G	Plans								3335.49							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1542(Mblaze)	70.67(Photon Whiz)					
					Plan 2						2056(Mblaze ultra)	1670(Photon Plus)					
					Plan 3							1912(Photon Max)					
				2G	Plan 1	181.46	184.11	108.75	125(Open Plan)					128.41(EDGE)		114.43(2 GB unlimited @ MRP 199)	
					Plan 2												
				3G	Plan 1	5173.76	3643.01	2778.58									11495.84
					Plan 2										4581(Photon 3G)		
	4G	Plans								23285.77							
	6	Latency	Data <250ms	All Generations			118.14						66.9				
2G (GSM)				87.00	98.00		141.00							105.40			
3G				37.00	77.80										36.43		
CDMA											138						
7	PDP Context Activation Success Rate	≥95%	All Generations			31.49						99					
			2G (GSM)	99.45	99.80		99.80							99.87			
			3G	99.45	99.87										94.22		
			CDMA								99.06						
8	Drop rate :	≤5%	All Generations			0.57						0.5					
			2G (GSM)	1.56	2.30		0.52							2.29			
			3G	0.34	0.44										0.15		
			CDMA								0.8						
									0.62								

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Maharashtra	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.96	95.00	98.00	99.17		99.93		100	100.00	
				2G (GSM)										
	2	Successful data transmission download attempts	>80%	All Generations			92.00					100	100	
				2G (GSM)	100.00	100.00		100.00						100.00
				3G		100.00		100.00						100.00
				4G							100.00			
	3	Successful data transmission upload attempts	>75%	All Generations			90.00					100	100	
				2G (GSM)	100.00	100.00		100.00						100.00
				3G		100.00		100.00						99.99
				4G							100.00			
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							69.43(Photon Whiz)		
					Plan 2							806.9(Photon Plus)		
				2G	Plan 1	114.23	59.81	95.00	110(Open Plan)			50.7(EDGE)	104.9	141.23(Rs.599 unlimited 2G Data plan)
				3G	Plan 1		1671.86	2800.00	2346(Open Plan)					2649.85(Unlimited 2G &3G data plan)
					Plan 2							2422.74(Photon 3G)		
					Plan 3							3633.36(Photon3G+)		
				4G	Plans								820.45667	
											3505.31			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							79.66(Photon Whiz)		
					Plan 2							1334.98(Photon Plus)		
				2G	Plan 1	137.68	154.41	114.00	150(Open Plan)			125.46(EDGE)	182	224.10(Rs.599 unlimited 2G data plan)
				3G	Plan 1		4555.88	2750.00	4709(Open Plan)					5270.63(Unlimited 2G & 3G data plan)
					Plan 2							6951.18(Photon 3G)		
					Plan 3							4014.26(Photon3G+)		
				4G	Plans								1297.3033	
											25283.90			
	6	Latency	Data <250ms	All Generations			125.00					65.1	196.9	
				2G (GSM)	109.33	244.00		177.00						119.79
			3G		54.60		120.00						37.71	
			4G							92.79				
7	PDP Context Activation Success Rate	≥95%	All Generations			96.21					98.4	99.6		
			2G (GSM)	98.56	100.00		99.92						99.89	
			3G		100.00		99.97						99.66	
			4G							99.60				
8	Drop rate :	≤5%	All Generations			2.55					0.9	0.71		
			2G (GSM)	0.76	0.00		1.77						0.66	
			3G		0.00		1.17						0.27	
			4G							0.65				

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
Madhya Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	100.00	96.00		99.38			99.91	96		100.00		
				2G (GSM)			96.00									
				3G			96.00									
	2	Successful data transmission download attempts	>80%	All Generations								100				
				2G (GSM)	99.71	99.22	100.00	100.00					100.00			
				3G		98.85	100.00	100.00								
				4G						100.00						
	3	Successful data transmission upload attempts	>75%	All Generations								100				
				2G (GSM)	99.75	98.82	100.00	100.00					100.00			
				3G		98.60	100.00	100.00								
				4G						100.00						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1								34(Photon Whiz)			
					Plan 2								464(Photon Plus)			
				2G	Plan 1	103.57	90.31		81(Open Plan)				53(EDGE)		74.32(MBB_C_V_19_9_30d_D2_GB_FU_2G)	
				3G	Plan 1		1766.79	1340(3G Postpaid data plans-FMC-50)	1759(Open Plan)							
					Plan 2			1257(3G Postpaid data plans-FMC-225)						1056(Photon 3G)		
					Plan 3			1426(3G Postpaid data plans-FMC-501)						2581(Photon3G+)		
									1368(3G Postpaid data plans-FMC-666)							
									1287(3G Postpaid data plans-FMC-901)							
								1369(3G Prepaid data recharge vouchers-56)								
								1150(3G Prepaid data recharge vouchers-78)								
								1436(3G Prepaid data recharge vouchers-333)								
								1498(3G Prepaid data recharge vouchers-155)								
								1432(3G Prepaid data recharge vouchers-197)								
								1358(3G Prepaid data recharge vouchers-369)								
								1267(3G Prepaid data recharge vouchers-444)								
								1335(3G Prepaid data recharge vouchers-561)								
4G	Plans								3865.95							

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Madhya Pradesh	5	Average Throughput for Packet data (Kbps)	CDMA	Plan 1							79(Photon Whiz)				
				Plan 2							1248(Photon Plus)				
			2G	Plan 1	178.96	184.09		158(Open Plan)				105(EDGE)		172.67(MBB_C_V_1 99_30d_D2 GB_FU_2G)	
				Plan 2											
			3G	Plan 1		3355.96	2136(3G Postpaid data plans-FMC-75)	3759(Open Plan)							
				Plan 2			2568(3G Postpaid data plans-FMC-225)					2507(Photon 3G)			
				Plan 3			2697(3G Postpaid data plans-FMC-501)					5868(Photon3G+)			
							2469(3G Postpaid data plans-FMC-666)								
							2200(3G Postpaid data plans-FMC-901)								
							2036(3G Prepaid data recharge vouchers-56)								
							2146(3G Prepaid data recharge vouchers-78)								
							2043(3G Prepaid data recharge vouchers-333)								
							1846(3G Prepaid data recharge vouchers-155)								
					2468(3G Prepaid data recharge vouchers-197)										
				2369(3G Prepaid data recharge vouchers-369)											
				2046(3G Prepaid data recharge vouchers-444)											
				2158(3G Prepaid data recharge vouchers-561)											
				4G Plans							21091.14				
	6	Latency	Data <250ms	All Generations								70.4			
				2G (GSM)	99.46	118.00	229.70	95.00							
3G					35.00	111.40	80.00					135.07			
4G										98.69					
7	PDP Context Activation Success Rate	≥95%	All Generations								98.8				
			2G (GSM)	97.44	99.97	96.70	99.89								
			3G		99.84	98.70	99.12					99.88			
			4G							99.68					
8	Drop rate :	≤5%	All Generations								1.5				
			2G (GSM)	4.90	4.77		0.42								
			3G		0.03	1.00	0.81					1.92			
			4G							0.48					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Mumbai	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.85	97.00		99.19	98.22		99.80		100.00	
				3G										
	2	Successful data transmission download attempts	>80%	All Generations								100		
				2G (GSM)	100.00	100.00		100.00	98.74			100.00		
				3G		100.00			99.92			100.00		
				4G							100.00			
	3	Successful data transmission upload attempts	>75%	All Generations								100		
				2G (GSM)	100.00	100.00		100.00	99.97			100.00		
				3G		100.00			100.00			100.00		
				4G							100.00			
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							54(Photon whiz)		
					Plan 2							1089(Photon Plus)		
				2G	Plan 1	94.50	164.50		89(Open Plan)	35.34			82(EDGE)	147.52(VMC699UL)
				3G	Plan 1		2866.30			592.68				4548.30(MI 8GB)
				4G	Plans							3207.88		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							84(Photon Whiz)		
					Plan 2							1419(Photon Plus)		
				2G	Plan 1	142.84	194.00		147(Open Plan)	80.93			147(EDGE)	194.80(VMC699UL)
				3G	Plan 1		3648.26			865.20				6456.83(MI 8GB)
				4G	Plans							20419.16		
	6	Latency	Data <250ms	All Generations								89.18		
				2G (GSM)	138.67	94.00		118.00					94.09	
				3G		23.00			146.03				15.28	
				4G							63.15			
	7	PDP Context Activation Success Rate	≥95%	All Generations					99.05			97.69		
				2G (GSM)	99.26	99.81		98.97					99.87	
3G					99.92							98.78		
4G										99.71				
8	Drop rate :	≤5%	All Generations					1.96			1.07			
			2G (GSM)	0.67	4.33		0.26					3.66		
			3G		0.13							0.60		
			4G							0.38				

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
North East	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.90	97.00		99.85			99.97			99.99		
				2G (GSM)			100.00									
				3G			100.00									
	2	Successful data transmission download attempts	>80%	All Generations												
				2G (GSM)	100.00	100.00	100.00	100.00						100.00		
				3G	100.00	100.00	100.00							100.00		
				4G						100.00						
	3	Successful data transmission upload attempts	>75%	All Generations												
				2G (GSM)	100.00	100.00	100.00	100.00						100.00		
				3G	100.00	100.00	100.00							100.00		
				4G						100.00						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1											
				2G	Plan 1	110.85	125.15	68.91(Postpaid data plans 99)	75(Open Plan)							132.06 (Pack@699)
								68.91(Postpaid data plans 125)								
								68.91(Postpaid data plans 225)								
								68.91(Postpaid data plans 501)								
								68.91(Postpaid data plans 901)								
								68.91(Prepaid data special tariff vouchers-17)								
								68.91(Prepaid data special tariff vouchers-39)								
								68.91(Prepaid data special tariff vouchers-78)								
							68.91(Prepaid data special tariff vouchers-98)									
							68.91(Prepaid data special tariff vouchers-139)									
							68.91(Prepaid data special tariff vouchers-251)									
							68.91(Prepaid data special tariff vouchers-561)									
							68.91(Prepaid data special tariff vouchers-821)									
				68.91(Prepaid data special tariff vouchers-1011)												

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017					Compliance Status									
SI. No.	Parameters	Benchmarks	Generations		Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone
North East			3G	Plan 1	1433.90	3705.93	1242.24(Postpaid data plans 99)							3102.54
				Plan 2			1242.24(Postpaid data plans 125)							
				Plan 3			1242.24(Postpaid data plans 225)							
							1242.24(Postpaid data plans 501)							
							1242.24(Postpaid data plans 901)							
							1242.24(Prepaid data special tariff vouchers-17)							
							1242.24(Prepaid data special tariff vouchers-39)							
							1242.24(Prepaid data special tariff vouchers-78)							
							1242.24(Prepaid data special tariff vouchers-98)							
							1242.24(Prepaid data special tariff vouchers-139)							
							1242.24(Prepaid data special tariff vouchers-251)							
							1242.24(Prepaid data special tariff vouchers-561)							
							1242.24(Prepaid data special tariff vouchers-821)							
							1242.24(Prepaid data special tariff vouchers-1011)							
				4G	Plans							4058.53		

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status													
SI. No.	Parameters	Benchmarks	Generations		Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
North East	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1												
				2G	Plan 1	179.71	187.82	73.72(Postpaid data plans 99)	130(Open Plan)							150.75(Pack @699)	
								73.72(Postpaid data plans 125)									
								73.72(Postpaid data plans 225)									
								73.72(Postpaid data plans 501)									
								73.72(Postpaid data plans 901)									
								73.72(Prepaid data special tariff vouchers-17)									
								73.72(Prepaid data special tariff vouchers-39)									
								73.72(Prepaid data special tariff vouchers-78)									
								73.72(Prepaid data special tariff vouchers-98)									
								73.72(Prepaid data special tariff vouchers-139)									
								73.72(Prepaid data special tariff vouchers-251)									
								73.72(Prepaid data special tariff vouchers-561)									
								73.72(Prepaid data special tariff vouchers-821)									
								73.72(Prepaid data special tariff vouchers-1011)									

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017					Compliance Status									
SI. No.	Parameters	Benchmarks	Generations		Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone
North East			3G	Plan 1	3285.81	4079.53	1248.45(Postpaid data plans 99)							4508.17
				Plan 2			1248.45(Postpaid data plans 125)							
				Plan 3			1248.45(Postpaid data plans 225)							
							1248.45(Postpaid data plans 501)							
							1248.45(Postpaid data plans 901)							
							1248.45(Prepaid data special tariff vouchers-17)							
							1248.45(Prepaid data special tariff vouchers-39)							
							1248.45(Prepaid data special tariff vouchers-78)							
							1248.45(Prepaid data special tariff vouchers-98)							
							1248.45(Prepaid data special tariff vouchers-139)							
							1248.45(Prepaid data special tariff vouchers-251)							
							1248.45(Prepaid data special tariff vouchers-561)							
							1248.45(Prepaid data special tariff vouchers-821)							
							1248.45(Prepaid data special tariff vouchers-1011)							
				4G	Plans							30990.75		
6	Latency	Data <250ms	All Generations											
			2G (GSM)		82.50	230.00	242.00	105.00						183.33
			3G		44.33	36.70	220.00							66.67
			4G								72.84			
7	PDP Context Activation Success Rate	≥95%	All Generations											
			2G (GSM)		99.53	97.03	97.44	99.86						99.92
			3G			97.60	97.96							97.54
			4G								99.62			
8	Drop rate :	≤5%	All Generations											
			2G (GSM)		0.95	2.33		0.21						3.58
			3G		1.62	0.92	4.88							1.05
			4G								0.55			

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017					Compliance Status										
SI. No.	Parameters	Benchmarks	Generations		Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
North East - II	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations				100.00							
				3G											
	2	Successful data transmission	>80%	All Generations				98.00							
				2G (GSM)											
	3	Successful data transmission	>75%	All Generations				98.00							
				2G (GSM)											
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1										
				2G	Plan 1										
				3G	Plan 1			379 kbps							
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										
				2G	Plan 1										
				3G	Plan 1			968 kbps							
	6	Latency	Data <250ms	All Generations				114 ms							
				2G (GSM)											
	7	PDP Context Activation Success	≥95%	All Generations				98.12							
				2G (GSM)											
8	Drop rate :	≤5%	All Generations				0.59								
			2G (GSM)												

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Orissa	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.94	96.00		98.62			99.93	100		99.99	
				2G (GSM)			100.00								
				3G			100.00								
	2	Successful data transmission download attempts	>80%	All Generations								100			
				2G (GSM)	100.00	100.00	100.00	100.00					100.00		
				3G	100.00	100.00	100.00						100.00		
				4G						100.00					
	3	Successful data transmission upload attempts	>75%	All Generations								100			
				2G (GSM)	100.00	100.00	100.00	100.00					100.00		
				3G	100.00	100.00	100.00						100.00		
				4G						100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1								66(Photon Whiz)		
					Plan 2								1515(Photon Plus)		
				2G	Plan 1	156.60	83.64	75(All plans)	58(Open Plan)				136(EDGE)		163.83(Plan-99_1GB)
					Plans										3645.07
				4G	Plans							6931.31			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1								70(Photn Whiz)		
					Plan 2								1683(Photon Plus)		
				2G	Plan 1	232.80	153.83	143(All plans)					145(EDGE)		187.25(Plan-99_1GB)
					Plans										3922.08
				4G	Plans							31644.72			
	6	Latency	Data <250ms	All Generations								96.35			
				2G (GSM)	83.00	164.00	319.70	69.00						117.50	
				3G	39.92	56.90	96.00							55.67	
				4G							72.99				
	7	PDP Context Activation Success Rate	≥95%	All Generations								98.48			
				2G (GSM)	99.48	99.03	99.03	99.23						99.93	
				3G	99.48	99.15	98.80							98.41	
4G										99.59					
8	Drop rate :	≤5%	All Generations								0.44				
			2G (GSM)	1.00	3.39		1.68						1.97		
			3G	0.85	0.24	1.00							0.58		
			4G							0.55					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status										
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Punjab	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.86	99.00	100.00	98.00		99.83	94		99.99	
				2G (GSM)										
	2	Successful data transmission download attempts	>80%	All Generations			96.61					100		
				2G (GSM)	100.00	100.00		100.00				100.00		
				3G	100.00	100.00		100.00						
				4G						100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			95.34					100		
				2G (GSM)	99.78	100.00		100.00						
				3G	99.78	100.00		100.00						
				4G						100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							44.87(Photon whiz)		
					Plan 2							946.97(Photon Plus)		
					Plan 3							2299.78(Photon Max)		
				2G	Plan 1	112.79	85.00		80(Open Plan)			88.97(EDGE)		151.67(Unlimited@199)
					Plan 2							1436.94(Photon 3G)		
					Plan 3							2242.25(Photon 3G)		
				3G	Plan 1	3015.55	1917.24	1100.90	1565(Open Plan)			4001.12(Photon3G+)		
					Plan 2									
					Plan 3									
					Plans							3166.81		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							71.70(Photon whiz)		
					Plan 2							1666.11(Photon Plus)		
					Plan 3							2970.46(Photon Max)		
				2G	Plan 1	142.54	171.59		167(Open Plan)			117.62(EDGE)		188.67(Unlimited@199)
					Plan 2							2188.85(Photon 3G)		
				3G	Plan 1	3519.10	2990.08	1443.38	4360(Open plan)			3642.83(Photon 3G)		
					Plan 3							5363.14(Photon3G+)		
	4G	Plans							17684.62					
6	Latency	Data <250ms	All Generations								62.2			
			2G (GSM)	115.83	202.00		213.00					96.29		
			3G	25.45	98.00	137.52	72.00							
			4G							73.79				
7	PDP Context Activation Success Rate	≥95%	All Generations			97.79					98.8			
			2G (GSM)	98.83	99.61		100.00					99.43		
			3G	98.83	100.00		100.00							
			4G							99.80				
8	Drop rate :	≤5%	All Generations			1.12					1.7			
			2G (GSM)	0.49	0.32		1.63					2.55		
			3G	1.58	0.15		0.39							
			4G							0.33				

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Rajasthan	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.98	97.00	95.00	99.78			99.95	100		99.99	
				3G											
				CDMA						97.00					
	2	Successful data transmission download attempts	>80%	All Generations			96.00					100			
				2G (GSM)	99.23	100.00		100.00							100.00
				3G		100.00									100.00
				CDMA						100					
				4G							100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			98.00					100			
				2G (GSM)	98.27	100.00		100.00							100.00
				3G		100.00									100.00
				CDMA						100					
				4G							100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA							715(Mblaze)		67(Photon Whiz)		
					Plan 1										
					Plan 2						1323(Mblaze ultra)		1395(Photon Plus)		
				2G	Plan 1	61.79	121.33		1109(Open Plan)				111(EDGE)		126.28 (Unlimited GB (VL+VMC)@599)
				3G	Plan 1		2504.40	225.378(postpaid data plan 50)							4480.70
								217.065(Postpaid data plan 75)							
								204.614(Postpaid data plan 170)							
								229.345(Postpaid data plan 225)							
								226.571(Postpaid data plan 501)							
								217.294(Postpaid data plan 666)							
								220.404(Postpaid data plan 901)							
								204.335(Postpaid data plan 1711)							
								246.645(Postpaid data plan 240)							
								235.238(Postpaid data plan 340)							
								213.551(Prepaid data STV 4)							
							224.045(Prepaid data STV 14)								
							201.401(Prepaid data STV 31)								
							213.813(Prepaid data STV 39)								
							213.591(Prepaid data STV 56)								
							217.151(Prepaid data STV 78)								
							207.395(Prepaid data STV 98)								
							223.543(Prepaid data STV 155)								
							206.796(Prepaid data STV 198)								

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017					Compliance Status										
SI. No.	Parameters	Benchmarks	Generations		Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone	
Rajasthan							217.711(Prepaid data STV 291)								
							218.824(Prepaid data STV 444)								
							222.007(Prepaid data STV 451)								
							241.707(Prepaid data STV 561)								
							213.425(Prepaid data STV 821)								
							207.945(Prepaid data STV 1099)								
							220.699(prepaid data STV 1949)								
							207.239(Prepaid data STV 3099)								
							239.286(Prepaid data STV 399)								
							225.486(Prepaid data STV 549)								
							217.826(Prepaid data STV 629)								
							202.801(Prepaid data STV 2399)								
				4G	Plans							3690.92			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1		152.39				1788(Mblaze)		77(Photon Whiz)		
				Plan 2		3024.55				3226(Mblaze ultra)		1690(Photon Plus)			
			2G	Plan 1	137.92			153(Open Plan)				128(EDGE)		183.59(Unlimited@199)	
			3G	Plan 1										8473.50	
			4G	Plans							29802.21				
6	Latency	Data <250ms	All Generations									104.1			
			2G (GSM)		112.33	162.00		99.00						114.50	
			3G			70.80	230.56							104.25	
			CDMA							61					
			4G								74.87				
7	PDP Context Activation Success Rate	≥95%	All Generations									98.2			
			2G (GSM)		99.42	99.99	96 ms	99.21						99.82	
			3G			100.00	99.99							97.55	
			CDMA							98.85					
			4G								99.69				
8	Drop rate :	≤5%	All Generations									1.11			
			2G (GSM)		0.51	1.63		0.11						3.80	
			3G			0.58	0.30							0.80	
			CDMA							0.7					
			4G								0.46				

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Tamilnadu	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.23	96.00	100.00	99.43			99.87	100		100.00	
				2G (GSM)											
				CDMA							97.00				
	2	Successful data transmission download attempts	>80%	All Generations								100			
				2G (GSM)	100.00	100.00	98.75	100.00						100.00	
				3G	100.00	100.00	99.23							100.00	
				CDMA						100					
	3	Successful data transmission upload attempts	>75%	All Generations								100			
				2G (GSM)	100.00	100.00	98.02	100.00						100.00	
				3G	100.00	100.00	99.41							100.00	
				CDMA						100					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						1011(Mblaze)	58(Photon Whiz)			
					Plan 2						1824(Mblaze ultra)	694(Photon Plus)			
				2G	Plan 1	155.92	182.33	46.55	88(Open Plan)			77(EDGE)		110.52(199 Unlimited 2GB)	
					3G	Plan 1	6190.08	2884.10	829.98						2235.91(650 Unlimited 3GB)
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1542(Mblaze)	75(Photon Whiz)			
					Plan 2						2737(Mblaze ultra)	1393(Photon Plus)			
				2G	Plan 1	210.78	132.93	93.40	143(Open Plan)			123(EDGE)		165.75(199 Unlimited 2GB)	
					3G	Plan 1	9590.58	7195.88	1844.87						6848.31(650 Unlimited 3GB)
	6	Latency	Data <250ms	All Generations								99.06			
				2G (GSM)	66.18	198.00	489.07	112.00					111.50		
				3G	19.33	70.00	139.25						29.50		
				CDMA						78					
				4G							90.70				
	7	PDP Context Activation Success Rate	≥95%	All Generations								97.95			
				2G (GSM)	96.24	100.00	99.91	99.71					99.91		
				3G	96.24	100.00	100.00						99.48		
				CDMA						99.59					
8	Drop rate :	≤5%	All Generations								0.63				
			2G (GSM)	2.01	1.15	0.18	1.17					3.25			
			3G	0.54	0.24	0.02						0.56			
			CDMA						0.9						
								0.40							

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
Uttar Pradesh (East)	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.89	99.00	97.10	99.87		99.94	94	100	99.97		
				2G (GSM)											
	2	Successful data transmission download attempts	>80%	All Generations			88.10					100	100		
				2G (GSM)	100.00	100.00		100.00					99.73		
				3G	100.00	100.00		100.00					99.92		
				4G						100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			81.30					100	100		
				2G (GSM)	100.00	100.00		100.00					99.87		
				3G	100.00	100.00		100.00					99.83		
				4G						100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1							70.33(Photon Whiz)			
					Plan 2							1308.25(Photon Plus)			
					Plan 3							2474.89(Photon Max)			
				2G	Plan 1	112.15	145.27	90.00	133(Open Plan)			98.57(EDGE)	71.3	130.71(Rs.1599 12GB free)	
					3G	Plan 1	2562.13	690.00	1873.00	2905(Open Plan)					6469.49(Rs.1599 12GB fee)
				4G	Plans							4859.74		2009.0233	
				5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1							74.94(Photon whiz)
	Plan 2											1722.06(Photon Plus)			
	Plan 3											2850.49(Photon Max)			
	2G	Plan 1	180.93				171.14	135.00	141(Open Plan)			125.95(EDGE)	90	196.30(Rs.1599 12GB free)	
	3G	Plan 1	4794.94				4532.00	2033.00	3230(Open Plan)					10392.38(Rs.1599 12GB free)	
	4G	Plans							35144.10		2086.61				
	6	Latency	Data <250ms	All Generations			210.00					69.96	131.1		
				2G (GSM)	79.89	234.00		186.00					160.33		
				3G	37.13	210.00		96.00					47.45		
				4G						75.63					
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.63					97.81	99.3		
				2G (GSM)	99.69	99.84		99.81					99.50		
3G				99.69	100.00		99.55					99.31			
4G									99.67						
8	Drop rate :	≤5%	All Generations			3.59					1.7	0.78			
			2G (GSM)	0.87	1.79		1.30					4.46			
			3G	0.56	0.55		1.35					0.71			
			4G						0.66						

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status												
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone			
Uttar Pradesh (West)	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.96	100.00	97.60	99.42			99.92	95	100	99.55		
				2G (GSM)												
				CDMA							99.00					
	2	Successful data transmission download attempts	>80%	All Generations			94.70					100	100			
				2G (GSM)	96.18	100.00		100.00						100.00		
				3G		100.00		100.00							99.40	
				CDMA							99.8					
	3	Successful data transmission upload attempts	>75%	All Generations			91.50					100	100			
				2G (GSM)	95.02	100.00		100.00						100.00		
				3G		100.00		100.00							99.89	
				CDMA							99.8					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						911(Mblaze)	78(Photon Whiz)				
					Plan 2						1820(Mblaze ultra)	794(Photon Plus)				
					Plan 3							1643(Photon Max)				
				2G	Plan 1	98.36	93.45	99.00	83(Open Plan)				94(EDGE)	123.5	108.13(250 with 1GB data)	
					Plan 2											
					Plan 3								2005(Photon 3G)			
				3G	Plan 1		1541.34	1501.00	2157(Open Plan)							741.09
					Plan 2											
					Plan 3									3266(Photon3G+)		
				4G	Plans								4833.77		1429.6933	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1356(Mblaze)	82(Photon whiz)				
					Plan 2						2932(Mblaze ultra)	1318(Photon Plus)				
					Plan 3							2048(Photon Max)				
				2G	Plan 1	177.64	197.16	116.30	168(Open Plan)				132(EDGE)	156.1	214.92(250 with 1GB data)	
					Plan 2											
				3G	Plan 1		2592.58	2708.00	3687(Open Plan)							4769.77
Plan 2													3480(Photon 3G)			
4G	Plans								28657.96		2129.4657					
6	Latency	Data <250ms	All Generations			225.70						64.1	127.1			
			2G (GSM)	105.67	182.00		112.00							175.15		
			3G		72.00		78.00							113.98		
			CDMA							62						
			4G								80.38					
7	PDP Context Activation Success Rate	≥95%	All Generations			97.60					98.5	99.2				
			2G (GSM)	96.74	99.93		99.81						99.80			
			3G		99.95		98.24						98.71			
			CDMA							99.89						
			4G								99.64					
8	Drop rate :	≤5%	All Generations			2.20					1.3	0.52				
			2G (GSM)	0.74	1.43		1.44						3.73			
			3G		0.62		2.91						0.70			
			CDMA							0.73						
			4G								0.55					

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Quarterly Performance Monitoring Report (PMR) on Quality of Service of Wireless Data Services

Report for quarter ending: September 2017				Compliance Status											
SI. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Reliance JIO	TATA	Telenor	Vodafone		
West Bengal	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.99	97.00		99.80			99.98	100		99.97	
				3G											
				CDMA							98.00				
	2	Successful data transmission download attempts	>80%	All Generations			98.50					100			
				2G (GSM)	100.00	100.00		100.00						99.64	
				3G	100.00	100.00								99.86	
				CDMA						100					
	3	Successful data transmission upload attempts	>75%	All Generations			98.46					100			
				2G (GSM)	100.00	100.00		100.00						99.65	
				3G	100.00	100.00								99.76	
				CDMA						100					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						855(Mblaze)	62(Photon Whiz)			
					Plan 2						1215(Mblaze ultra)				
				2G	Plan 1	165.67	98.01	203.60	123(Open Plan)			64(EDGE)		98.67(2GB plan)	
					Plan 2										
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1305(Mblaze)	77(Photon Whiz)			
					Plan 2						1926(Mblaze ultra)				
				2G	Plan 1	216.53	135.45	224.60	155(Open Plan)			152(EDGE)		138.67(2GB plan)	
					Plan 2										
	6	Latency	Data <250ms	All Generations			135.60					140.75			
					2G (GSM)	180.47	230.00		205.00					134.00	
				3G		28.57	45.50							46.33	
					CDMA						62				
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.69					98.49			
				2G (GSM)	99.54	99.92		99.94					99.93		
				3G	99.54	99.92							98.33		
				CDMA						99.1					
	8	Drop rate :	≤5%	All Generations								0.81			
2G (GSM)				1.31	3.13		1.19					4.71			
3G				2.23	0.51							0.98			
3G(OSS)															
4G								0.51							
	CDMA								0.69						

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.

Note 1: The text in the bracket (like Mblaze etc) are the plan names of the respective service provider.

Note 2: In case of all operators except CDMA operators provider is not offering different plans based on the data throughput.