

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

Report for quarter ending: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Andhra Pradesh	1	Service	Within 4 hrs	All Generations	99.80	96.00		99.74			100.00		98.90	97	100	99.99	
	2	Successful data transmission download	>80%	All Generations										100	100		
				2G (GSM)	100.00	100.00		100.00			100.00						100.00
				3G	100.00	100.00		100.00									
				4G									100.00				
	3	Successful data transmission upload	>75%	All Generations											100	100	
				2G (GSM)	100.00	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										54(Photon Whiz)		
					Plan 2										1804(Photon Plus)		
				2G	Plan 1	58.15	138.08		125(Plan Plan)			88(RNC_PAY G)			124 (EDGE)	80.1	132.66(Rs 125 Plan with 1GB free)
				3G	Plan 1	1525.59	2302.53		2352(Open Plan)								
				4G	Plans									3182.01		1693.8575	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										71(Photon Whiz)		
					Plan 2										1981 (Photon Plus)		
				2G	Plan 1	179.81	196.83		135(Open Plan)			160(RNC_PAY G)			132 (EDGE)	168.9	176.33(Rs 125 Plan with 1GB free)
				3G	Plan 1	3038.49	3167.22		3653(Open Plan)								
				4G	Plans									13094.00		6234.4898	
	6	Latency	Data <250ms	All Generations											108	186	
				2G (GSM)	214.40	92.00		130.00				199.00					128.92
				3G	37.70	38.00		29.00									
				4G										60.99			
	7	PDP Context Activation Success Rate	≥95%	All Generations											98.27	9862.6	
			2G (GSM)	95.29	99.92		99.70				99.84					99.87	
			3G	95.29	98.85		98.07										
			4G										99.64				
8	Drop rate :	≤5%	All Generations											0.7	0.43		
			2G (GSM)	1.06	1.06		1.23				1.71					2.53	
			3G	0.44	0.80		0.71										
			4G										0.73				

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status															
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone			
Assam	1	Service Activation	Within 4 hrs with 95%	All Generations	99.66	97.00		99.98					100.00			98.80	100.00		
	2	Successful data transmission download	>80%	All Generations															
	2G (GSM)			100.00	100.00		100.00										100.00		
	3G			100.00	100.00								100.00					100.00	
	3	Successful data transmission upload	>75%	All Generations															
	2G (GSM)			100.00	100.00		100.00											100.00	
	3G			100.00	100.00								100.00					100.00	
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1														
				Plan 2															
				Plan 3															
				2G	Plan 1	122.53	127.71		79(Open Plan)										132.34(Pack@699)
				3G	Plan 1	1972.52	1930.83								2200.25(HSD)				3110.86
					Plan 2														
					Plan 3														
		4G	Plans											3167.48					
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1														
				2G	Plan 1	175.87	177.98		136(Open Plan)										163.20(Pack@699)
				3G	Plan 1	3356.64	4438.71								3243.85(HSD)				4714.53
					Plan 2														
				Plan 3															
				4G	Plans									18679.80					
	6	Latency	Data <250ms	All Generations															
				2G (GSM)	137.33	230.00		103.00											184.33
				3G	35.17	36.20									95.66				64.33
				CDMA															
				4G												83.77			
	7	PDP Context Activation Success Rate	≥95%	All Generations															
				2G (GSM)	99.13	99.89		99.80											99.64
	3G			99.13	99.59									100.00				98.55	
	CDMA																		
			4G										98.76						
8	Drop rate :	≤5%	All Generations																
			2G (GSM)	0.87	1.31		0.15											1.73	
			3G	0.56	0.63									0.46				0.42	
			4G												0.75				

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status														
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone		
Bihar and Jharkhand	1	Service Activation	Within 4 hrs with 95%	All Generations	99.99	97.00		99.98					100.00	99.52	99	100	100.00	
				3G														
	2	Successful data transmission download	>80%	All Generations											100	100		
				2G (GSM)	100.00	99.31		100.00										100.00
				3G	100.00	99.96							99.33					
				4G										100.00				
	3	Successful data transmission upload	>75%	All Generations											100	100		
				2G (GSM)	100.00	99.57		100.00										100.00
				3G	100.00	99.09							98.33					
				4G										100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1											41(Photon Whiz)		
					Plan 2											949(Photon Plus)		
					Plan 3													
				2G	Plan 1													141 (VMC+VFL_3G B_30d_2G_2G RC 199Y_2G)
					Plan 1	145.04	134.95		85(Open Plan)							20(EDGE)	112.1	
					Plan 1	2573.18	2520.50											
					Plan 2									1759.41(HSD)				
					Plan 3													
				4G	Plans									3839.05			1213.44	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1											70(Photon Whiz)		
					Plan 2											1503(Photon Plus)		
					Plan 3													
				2G	Plan 1													173 (VMC+VFL_3G B_30d_2G_2G RC 199Y_2G)
					Plan 1	193.11	184.87		118(Open Plan)							132(EDGE)	144.3	
					Plan 1	3635.61	3399.36											
					Plan 2									2562.91(HSD)				
					Plan 3													
				4G	Plans									16195.22			1914.4133	
6	Latency	Data <250ms	All Generations												100.39	186.7	122.00	
			2G (GSM)	90.42	241.00		239.00											
			3G	33.63	87.70							39.60						
			4G										58.60					
7	PDP Context Activation Success Rate	≥95%	All Generations											98.29	9843	99.59		
			2G (GSM)	98.43	99.43		99.71											
			3G	98.43	99.82							100.00						
			4G										97.53					
8	Drop rate :	≤5%	All Generations											0.5	0.56	1.72		
			2G (GSM)	1.06	3.12		1.26											
			3G	0.78	0.06							0.58						
			4G										0.89					

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status															
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone			
Delhi	1	Service Activation	Within 4 hrs with 95%	All Generations	99.74	98.00		99.98	99.26	95			99.52	99		99.95			
				3G							100.00								
	2	Successful data transmission download attempts	>80%	All Generations											100				
				2G (GSM)	100.00	99.71		100.00	92.43			100.00			98.92				
				3G		100.00		100.00	97.08			100.00			98.80				
				CDMA							100								
				4G									100.00						
	3	Successful data transmission upload attempts	>75%	All Generations											100				
				2G (GSM)	100.00	99.90		100.00	89.94			99.94			98.67				
				3G		100.00		100.00	94.79			100.00			98.58				
				CDMA							100								
				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										1693(Photon Plus)				
					Plan 3										3053(Photon Max)				
				2G	Plan 1	84.57	86.16		65(Open Plan)	84.60				66.17(RNC_P AYG)				86.76(Rs 125 Rental plan with	
					Plan 2														
				3G	Plan 1				1177(Open Plan)	689.26				1649.89(HSD )					1180.27(Rs 250 Rental plan with 1GB free)
					Plan 2		1859.56												
					Plan 3														
				4G	Plans											6185.39			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1											82(Photon Whiz)			
					Plan 2										2164(Photon Plus)				
					Plan 3										3880(Photon Max)				
				2G	Plan 1	142.25	103.99		155(Open Plan)	91.58				137.32(RNC_P AYG)				174.83(Rs 125 Rental plan with 1GB free)	
					Plan 2														
				3G	Plan 1				5064(Open Plan)	846.76				3227.14(HSD )					2491.15(Rs 250 Rental plan with 1GB free)
Plan 2						2624.26													
Plan 3																			
4G	Plans											22919.10							
6	Latency	Data <250ms	All Generations							158.33					63.6				
			2G (GSM)	115.83	234.00		136.00					96.35			203.00				
			3G		77.70		56.00					24.05			62.67				
			CDMA								61								
			4G											61.94					
7	PDP Context Activation Success Rate	≥95%	All Generations					96.74						96.34					
			2G (GSM)	89.79	99.95		99.65							99.70					
			3G		99.99		99.29							99.05					
			CDMA							99.23									
			4G									98.88							
8	Drop rate :	≤5%	All Generations					3.38						1.05					
			2G (GSM)	0.69	0.86		0.16					4.03		0.69					
			3G		0.59		0.80					0.49		1.22					
			CDMA							1.4									
			4G									0.82							

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status																
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone				
Gujarat	1	Service Activation	Within 4 hrs with 95%	All Generations	100.00	96.00		99.99		98			99.39	98	100	99.99				
				2G (GSM)								100.00								
	2	Successful data transmission download attempts	>80%	All Generations											100	100				
				2G (GSM)	95.38	100.00		100.00				100.00				99.62				
				3G		100.00		100.00									100.00			
				CDMA						100										
	3	Successful data transmission upload attempts	>75%	All Generations											100	100				
				2G (GSM)	99.69	100.00		100.00				100.00				98.75				
				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															
					Plan 2							1150(Mblaze)				73(Photon Whiz)				
					Plan 3							2010(Mblaze ultra)				1127(Photon Plus)				
				2G	Plan 1	122.68	58.18		93(open Plan)						G)		60(EDGE)	52.4	MI199)	
					3G				2803(Open Plan)										1868.83(3G MI850)	
				3G	Plan 1		603.53													
					Plan 2															
					Plan 3															
				4G	Plans															
																	3435.28		2143.9147	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1															
					Plan 2															
					Plan 3															
				2G	Plan 1	175.54	131.00		Plan)											
					3G				3964(Open Plan)											
				3G	Plan 1		3513.14													
					Plan 2															
					Plan 3															
4G	Plans																			
6	Latency	Data <250ms	All Generations																	
			2G (GSM)	116.83	229.00		99.00					211.00				122.33				
			3G		80.20		63.00										28.33			
			CDMA								78									
			4G																	
															63.65					
7	PDP Context Activation Success Rate	≥95%	All Generations											98.8	9948.7					
			2G (GSM)	99.58	99.99		99.78									99.83				
			3G		98.91		99.79										99.63			
			CDMA							98.85										
4G																				
												99.22								
8	Drop rate :	≤5%	All Generations																	
			2G (GSM)	0.73	3.10		0.21					0.47				2.54				
			3G		0.06		0.66										0.61			
			CDMA							0.8										
4G												0.75								

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status														
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone		
HP	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations	99.98	99.00		99.95					99.58	100		100.00		
				2G (GSM)														
				3G										100.00				
				CDMA														
	2	Successful data transmission download	>80%	All Generations											100			
				2G (GSM)	99.98	100.00		100.00					100.00			100.00		
				3G		100.00		100.00					100.00					
				4G									100.00					
	3	Successful data transmission upload	>75%	All Generations											100			
				2G (GSM)	100.00	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											66(Photon Whiz)		
					Plan 2										605(Photon Plus)			
				2G	Plan 1	97.95	101.00		119(Open Plan)					95.15(RNC_PAYG)		60(EDGE)	127.58(Talk invitation 50)	
					Plan 2									2034.51(HSD)				
				3G	Plan 1		1904.64		2923(Open Plan)									
					Plan 2													
					Plan 3													
				4G	Plans										4716.33			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1											75(Photon Whiz)		
					Plan 2										1070(Photon Plus)			
				2G	Plan 1	157.48	183.33		136(Open Plan)					167.79(RNC_PAYG)		94(EDGE)	159.97(Talk invitation 50)	
					Plan 2		5481.81		3966(Open Plan)					3635.41(HSD)				
				3G	Plan 1													
					Plan 2													
	4G	Plans										19499.53						
	6	Latency	Data <250ms	All Generations												127.58		
2G (GSM)				122.67	221.00		211.00						91.74		186.17			
3G					174.70		168.00						37.91					
4G													45.64					
7	PDP Context Activation Success Rate	≥95%	All Generations											98.18				
			2G (GSM)	98.79	99.92		100.00					99.89			99.59			
			3G		100.00		100.00					99.48						
			4G										99.14					
8	Drop rate :	≤5%	All Generations											0.88				
			2G (GSM)	0.73	1.09		0.85					4.66			1.75			
			3G		0.74		1.37					0.71						
			4G									0.85						

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Haryana	1	Service Activation	Within 4 hrs with 95%	All Generations	88.89	98.00		99.70					99.51	99		99.99	
				2G (GSM)							100.00						
	2	Successful data transmission download	>80%	All Generations											100		
				2G (GSM)	100.00	100.00		100.00				99.95					100.00
				3G		100.00		100.00									100.00
				4G										100.00			
	3	Successful data transmission upload	>75%	All Generations											100		
				2G (GSM)	100.00	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										44.86(Photon Whiz)		
					Plan 2										1164.18(Photon Plus)		
				2G	Plan 1	129.47	134.67		146(Open Plan)			86.26(RNC_PAYG)			64.95(EDGE)		129.77(PLAN - 198 Rs /2GB)
				3G	Plan 1		3492.18		2723(Open Plan)						1608.26(Photon 3G)		5440.40(PLAN - 198 Rs / 2GB)
					Plan 2										2226.16(Photon 3G)		
					Plan 3										2529.87(Photon 3G+)		
				4G	Plans									3740.23			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										67.06(Photon Whiz)		
					Plan 2										1685.92(Photon Plus)		
					Plan 3												
				2G	Plan 1	170.64	172.67		182(Open Plan)			149.77(RNC_PAYG)			97.32(EDGE)		186.16(PLAN - 198 Rs/2GB)
				3G	Plan 1		4270.08		5048(Open Plan)						2354.97(Photon 3G)		10490.90(PLAN - 198 Rs/2GB)
					Plan 2										3230.39(Photon 3G)		
					Plan 3										3812.86(Photon 3G+)		
				4G	Plans									28899.81			
	6	Latency	Data <250ms	All Generations											67.4		
				2G (GSM)	121.23	215.00		126.00				101.60					79.06
				3G		115.70		40.00									14.80
			4G										51.57				
7	PDP Context Activation Success Rate	≥95%	All Generations											98.8			
			2G (GSM)	99.75	99.99		99.90									99.64	
			3G		100.00		98.67									99.63	
			4G										99.36				
8	Drop rate :	≤5%	All Generations											0.9			
			2G (GSM)	2.56	0.86		1.43				1.25					2.88	
			3G		0.05		1.62									0.84	
			4G										0.87				

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Jammu and Kashmir	1	Service Activation	Within 4 hrs with 95%	All Generations	99.86	99.00		99.85					99.30			99.95	
				3G							100.00						
	2	Successful data transmission download	>80%	All Generations													
				2G (GSM)	100.00	100.00		100.00				100.00					98.88
				3G	100.00	100.00		100.00				100.00					
				4G									100.00				
	3	Successful data transmission upload	>75%	All Generations													
				2G (GSM)	100.00	100.00		100.00				100.00					98.67
				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	171.95	183.16		160(Open Plan)				122.83(RNC_PAYG)					125.90(Plan-99_1GB)
				3G Plan 1	2808.37	1979.73		1959(Open Plan)				1993.19(HSD )					
				4G Plans									3329.23				
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1													
				2G Plan 1	191.46	204.26		172(Open Plan)				226.24(RNC_PAYG)					157.92(Plan-99_1GB)
				3G Plan 1	3148.27	2467.84		5000(Open Plan)				3672.5(HSD)					
				4G Plans									26249.95				
	6	Latency	Data <250ms	All Generations													
				2G (GSM)	106.33	208.00		209.00				104.65					130.33
				3G	35.00	106.00		170.00				91.43					
				4G									49.15				
	7	PDP Context Activation Success Rate	≥95%	All Generations													
				2G (GSM)	98.83	100.00		100.00									99.49
			3G	98.83	100.00		100.00										
			4G									98.96					
8	Drop rate :	≤5%	All Generations														
			2G (GSM)	1.05	1.35		0.26				2.30					1.53	
			3G	1.45	0.62		1.25				0.60						

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status																	
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone					
Kolkata	1	Service Activation	Within 4 hrs with 95%	All Generations	99.98	97.00		99.98		98			100.00		98.90	99	99.95				
				3G																	
	2	Successful data transmission download attempts	>80%	All Generations													100				
				2G (GSM)	100.00	100.00		100.00						100.00			99.80				
				3G	100.00	100.00		100.00						100.00			100.00				
				CDMA							100										
	3	Successful data transmission upload attempts	>75%	All Generations										100.00			100				
				2G (GSM)	100.00	100.00		100.00						100.00			99.95				
				3G	100.00	100.00		100.00						100.00			99.98				
				CDMA							100										
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						930(Mblaze)						57(Photon Whiz)				
					Plan 2						1271(Mblaze ultra)					797(Photon Plus)					
				2G	Plan 1	144.44	106.00		128(Open Plan)						98.17(RNC_PAYG)		116 (EDGE)		160.05(Postpaid PayG Unlimited)		
					Plan 2				2404(Open Plan)												
				3G	Plan 1	4133.55	1432.54									1585.04(HSD)				3062.36(Postpaid PayG Unlimited)	
					Plan 2																
					Plan 3																
				4G	Plans											7258.98					
				5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1289(Mblaze)						76(Photon Whiz)	
								Plan 2						1742(Mblaze ultra)					1235(Photon Plus)		
							2G	Plan 1	199.19	202.08		157(Open Plan)						147.11(RNC_PAYG)		162(EDGE)	
	Plan 2																				
	3G	Plan 1	5761.71				3006.59		3779(Open Plan)							2171.33(HSD)				6967.48(Postpaid PayG Unlimited)	
		Plan 2																			
		Plan 3																			
	4G	Plans											29400.50								
	6	Latency	Data <250ms	All Generations													102.89				
2G (GSM)				136.12	152.00		141.00						93.81				135.33				
3G				50.33	40.70		48.00						36.77				55.33				
CDMA										64											
4G														59.04							
7	PDP Context Activation Success Rate	≥95%	All Generations													98.3					
			2G (GSM)	98.47	99.24		99.78						99.93			99.63					
			3G	98.47	99.27		98.83						99.19			98.77					
			CDMA							98.75											
4G											99.18										
8	Drop rate :	≤5%	All Generations																		
			2G (GSM)	0.89	1.34		0.97						1.47			2.30					
			GSM (OSS)											0.05							
			3G	0.77	0.03		1.63						1.10			0.28					
			3G (OSS)										0.51								
			CDMA							0.7											
4G											0.51										

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status																
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone				
Kerala	1	Service Activation	Within 4 hrs with 95%	All Generations	99.97	89.00		99.98		95			99.67	100		99.99				
	2	Successful data transmission download attempts	>80%	All Generations								100.00			100					
				2G (GSM)	91.00	100.00		100.00			100.00				100.00					
				3G	91.00			100.00									100.00			
				CDMA						100					100.00					
	3	Successful data transmission upload attempts	>75%	All Generations											100					
				2G (GSM)	93.00	100.00		100.00			100.00					100.00				
				3G	93.00			100.00										100.00		
				CDMA						100										
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1												72(Photon Whiz)			
					Plan 2											826(Photon Plus)				
					Plan 3											1543(Photon Max)				
				2G	Plan 1	63.86	74.40		122(Open Plan)					143.92(RNC_PAYG)			31(EDGE)		116.50(3GB VMC 199 plan)	
					Plan 2	2695.33			2520(Open Plan)										5761.35	
					Plan 3												1348(Photon 3G)		2804(Photon3G+)	
				3G	Plan 1															
					Plan 2															
					Plan 3															
				4G	Plans											5586.11				
					CDMA	Plan 1								1413(Mblaze)				82(Photon whiz)		
						Plan 2								2688(Mblaze ultra)				1885(Photon Plus)		
	Plan 3													1893(Photon Max)						
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	2G	Plan 1	185.72	135.00		129(Open Plan)				192.78(RNC_PAYG)		121(EDGE)		181.71(3GB VMC 199 plan)			
					Plan 2	3075.55			3676(Open Plan)								7688.96			
					Plan 3											3992(Photon 3G)		5640(Photon3G+)		
				3G	Plan 1															
					Plan 2															
					Plan 3															
	4G	Plans											25679.27							
	6	Latency	Data <250ms	All Generations											57.8					
				2G (GSM)	71.13	212.00		122.00				130.51				63.33				
				3G	31.15			44.00									29.00			
CDMA																				
4G														91						
7	PDP Context Activation Success Rate	≥95%	All Generations											98.9						
			2G (GSM)	99.58	99.95		99.60								99.44					
			3G	99.58			98.63								97.92					
			CDMA								99.4									
			4G											99.27						
8	Drop rate :	≤5%	All Generations											0.9						
			2G (GSM)	2.73	0.70		1.00				4.85				2.07					
			3G	1.07			1.48								0.39					
			CDMA								1.2									
			4G											0.74						

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status																
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone				
Karnataka	1	Service Activation	Within 4 hrs with 95%	All Generations	99.78	99.00		99.86		95			99.61	99		99.89				
				2G (GSM)							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					
				CDMA																
	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					
				CDMA																
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1										35.31(Photon Whiz)					
					Plan 2										846.78(Photon Plus)					
					Plan 3										1202.85(Photon Max)					
				2G	Plan 1	145.71	156.01		162(Open Plan)					86.67(RNC_P AYG)			100.45(2 GB unlimited @ MRP 199)			
					Plan 2												89.71(EDGE)			
					Plan 3	1752.60	1749.21										4204.49			
				3G	Plan 1												3691(Photon 3G)			
					Plan 2												6596(Photon3G+ )			
					Plan 3															
				4G	Plans											3214.42				
					CDMA	Plan 1												71.04(Photon whiz)		
						Plan 2												1691(Photon Plus)		
	Plan 3													2012.67(Photon Max)						
	2G	Plan 1	183.74	199.50		166(Open Plan)								130.40(RNC_PAYG)			116.61(2 GB unlimited @ MRP 199)			
		Plan 2													121.15(EDGE)					
		Plan 3	3553.87	3529.43											4673(Photon 3G)					
	3G	Plan 1													9270(Photon3G+ )					
		Plan 2																		
Plan 3																				
4G	Plans												19931.55							
	All Generations	2G (GSM)	86.42	103.00		152.00								124.22			114.10			
		3G	48.29	74.80													52.33			
CDMA																				
7	PDP Context Activation Success Rate	≥95%	All Generations											98.9						
			2G (GSM)	99.58	96.88		99.71								99.77					
			3G	99.58	98.63											98.91				
			CDMA																	
8	Drop rate :	≤5%	All Generations																	
			2G (GSM)	1.38	1.65		0.47									0.5				
			3G	0.79	0.48												1.80			
			CDMA																	
4G	Plans																			
	Plans																			
	Plans																			

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status															
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone			
Maharashtra	1	Service Activation	Within 4 hrs with 95%	All Generations	99.92	93.00		98.91					98.73	99	100	99.99			
				2G (GSM)							100.00								
	2	Successful data transmission download	>80%	All Generations											100	100			
				2G (GSM)	100.00	100.00		100.00			100.00				100.00				
				3G		100.00		100.00							100.00				
				4G									100.00						
	3	Successful data transmission upload	>75%	All Generations											100	100			
				2G (GSM)	100.00	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											66.13(Photon whiz)			
					Plan 2										983.6(Photon Plus)				
				2G	Plan 1	113.80	70.77		113(Open Plan)				77.7(RNC_P AYG)			91.7(EDGE)	109.3	145.84(Rs.599 unlimited 2G Data plan)	
					Plan 2														
				3G	Plan 1		1239.24		3135(Open Plan)										2685.30(Unlimited 2G&3G Data plan)
					Plan 2												439.30(Photon 3G)		
					Plan 3												3879.05(Photon 3G+)		
				4G	Plans											4180.46		851.88	
				5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1											75.77(Photon Whiz)
	Plan 2														1406.33(Photon Plus)				
	Plan 3																		
	2G	Plan 1	136.43				152.45		169(Open Plan)				134.8(RNC_P AYG)			135.32(EDGE)	187.8	216.17(Rs.599 unlimited 2G Data plan)	
		Plan 2																	
		Plan 3																	
	3G	Plan 1					3804.47		5060(Open Plan)										4928.13(Unlimited 2G&3G Data plan)
		Plan 2															7387.86(Photon 3G)		
		Plan 3															4965.34(Photon 3G+)		
4G	Plans														30748.31		1157.3267		
6	Latency	Data <250ms	All Generations											67.9	213.3				
			2G (GSM)	218.67	248.00		149.00			142.84					125.90				
			3G		59.80		114.00								38.26				
			4G									65.96							
7	PDP Context Activation Success Rate	≥95%	All Generations											98.8	9948.7				
			2G (GSM)	99.58	99.80		99.77								99.82				
			3G		98.84		99.58								99.48				
			4G									99.47							
8	Drop rate :	≤5%	All Generations											0.9	0.64				
			2G (GSM)	0.64	3.96		1.19			1.95					0.61				
			3G		0.04		0.88								0.22				
			4G								0.90								

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Madhya Pradesh	1	Service Activation	Within 4 hrs with 95%	All Generations	100.00	98.00		99.98					100.00	98.12	98		99.97
				3G													
	2	Successful data transmission download	>80%	All Generations											100		
				2G (GSM)	99.84	98.84		100.00					100.00				99.50
				3G		98.85		100.00					100.00				
				4G										100.00			
	3	Successful data transmission upload	>75%	All Generations											100		
				2G (GSM)	100.00	98.58		100.00					100.00				99.33
				3G		98.55		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										70(Photon whiz)		
					Plan 2										Plus		
				2G	Plan 1								64.79(RNC_PAYG)		57(EDGE)		95.93(MBB_C_V_199_30d_D2GB_FU_2G)
					Plan 2	151.04	79.32		65(Open Plan)								
				3G	Plan 1		1675.90		1657(Open Plan)								
					Plan 2								1181.01(HSD)		1248(Photon 3G)		
					Plan 3										2995(Photon3G+)		
				4G	Plans									3312.34			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										79(Photon Whiz)		
					Plan 2										1188(Photon Plus)		
				2G	Plan 1	180.95	137.53		149(Open Plan)				143.43(RNC_PAYG)		103(EDGE)		170.84(MBB_C_V_199_30d_D2GB_FU_2G)
					Plan 2												
				3G	Plan 1		2861.44		3316(Open Plan)								
					Plan 2								2339.12(HSD)		2446(Photon 3G)		
					Plan 3										5713(Photon3G+)		
				4G	Plans									14898.53			
	6	Latency	Data <250ms	All Generations											70.9		
				2G (GSM)	141.60	117.00		96.00					157.28				147.52
			3G		21.70		82.00					101.58					
			4G										82.79				
7	PDP Context Activation Success Rate	≥95%	All Generations											98.8			
			2G (GSM)	99.58	99.30		99.81					99.89				99.97	
			3G		99.82		99.32					99.48					
			4G										99.08				
8	Drop rate :	≤5%	All Generations											1.4			
			2G (GSM)	4.36	3.30		0.40					3.05				1.63	
			3G		0.04		0.53					0.31					
			4G										0.78				

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Mumbai	1	Service Activation	Within 4 hrs with 95%	All Generations	99.97	98.00		99.99	98.19				99.08	98		99.91	
				3G							100.00						
	2	Successful data transmission download	>80%	All Generations										100			
				2G (GSM)	100.00	100.00		100.00	99.64			100.00				100.00	
				3G		100.00			99.76			100.00				100.00	
				4G									100.00				
	3	Successful data transmission upload	>75%	All Generations											100		
				2G (GSM)	100.00	100.00		100.00	100.00			100.00				100.00	
				3G		100.00			99.79			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										613(Photon Plus)		
				2G	Plan 1	94.73	160.07		100(Open Plan)	51.11		66.2(RNC_P AYG)			77(EDGE)		173.51(VMC699 UL)
				3G	Plan 1		2569.90			604.92		1725.40					6776.59(MI 8GB)
				4G	Plans									3154.40			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										72(Photon Whiz)		
					Plan 2										1051(Photon Plus)		
				2G	Plan 1	143.17	184.84		159(Open Plan)	85.86		133.3(RNC_P AYG)			147(EDGE)		205.19(VMC699 UL)
				3G	Plan 1		4601.84			925.36		2976.90					8860.69(MI 8GB)
				4G	Plans									20926.68			
	6	Latency	Data <250ms	All Generations											85.86		
				2G (GSM)	136.50	93.00		112.00				121.11					95.19
				3G		23.50			194.90			40.57					15.50
				4G										45.56			
7	PDP Context Activation Success Rate	≥95%	All Generations					99.62						98.26			
			2G (GSM)	99.58	99.86		100.00									99.04	
			3G		99.12											98.41	
			4G									99.52					
8	Drop rate :	≤5%	All Generations					1.62						1.12			
			2G (GSM)	0.66	3.37		0.17				0.68					2.70	
			3G		0.08						0.35					0.40	
			4G									0.80					

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status															
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone			
North East	1	Service Activation	Within 4 hrs with 95%	All Generations	99.90	98.00		99.99					100.00			97.55	99.95		
				3G															
	2	Successful data transmission download	>80%	All Generations														100.00	
				2G (GSM)	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	>75%	All Generations															
				2G (GSM)	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															134.73(Pack@699)
				3G Plan 1	135.75	135.64		75(Open Plan)											3299.21
				Plan 2	1694.39	2202.87								2252.59(HSD)					
				Plan 3															
				4G Plans										4925.33					
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1															
				2G Plan 1															169.75(Pack@699)
				3G Plan 1	174.52	189.85		122(Open Plan)											4638.17
				Plan 2	2797.71	3723.93								3264.21(HSD)					
				Plan 3															
				4G Plans										23177.41					
	6	Latency	Data <250ms	All Generations															
				2G (GSM)	138.33	232.00		103.00											181.33
				3G	36.83	36.30								95.66					66.67
				4G											81.12				
	7	PDP Context Activation Success Rate	≥95%	All Generations															
				2G (GSM)	98.91	99.59		99.74											99.64
			3G	98.91	99.96								100.00					98.55	
			4G										98.76						
8	Drop rate :	≤5%	All Generations																
			2G (GSM)	0.74	1.53		0.17											2.30	
			3G	1.23	0.81								0.50					0.67	
			4G										0.80						

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status															
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone			
Orissa	1	Service Activation	Within 4 hrs with 95%	All Generations	99.93	92.00		99.98					100.00			99.68	99.98		
				3G															
	2	Successful data transmission download	>80%	All Generations														100.00	
				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	>75%	All Generations															
				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															
				2G Plan 1	190.60	72.96		57(Open Plan)											95.61(Plan-99_1GB)
				3G Plan 1	3082.53	1778.75													
				Plan 2										1890.38(HSD)					
				Plan 3															
				4G Plans												5815.01			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA Plan 1															
				2G Plan 1	226.80	127.30		139(Open Plan)											147.77(Plan-99_1GB)
				3G Plan 1	4443.44	3564.76													
				Plan 2										3018.58(HSD)					
				Plan 3															
				4G Plans												26056.67			
	6	Latency	Data <250ms	All Generations															
				2G (GSM)	82.50	165.00		86.00											127.67
			3G	54.75	59.80								47.33						
			4G													44.62			
7	PDP Context Activation Success Rate	≥95%	All Generations																
			2G (GSM)	98.36	99.60		99.61											99.54	
			3G	98.36	99.97								100.00						
			4G												98.85				
8	Drop rate :	≤5%	All Generations																
			2G (GSM)	0.85	2.98		1.54											1.81	
			3G	0.89	0.44								0.07						
			4G												0.85				

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Punjab	1	Service Activation	Within 4 hrs with 95%	All Generations	99.93	98.00		99.93					99.52	98		99.92	
				2G (GSM)							100.00						
	2	Successful data transmission download	>80%	All Generations							98.64				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	>75%	All Generations							97.84				100		
				2G (GSM)	99.89	100.00		100.00				100.00					100.00
				3G	99.89	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										36.01(Photon Whiz)		
					Plan 2										660.86(Photon Plus)		
					Plan 3										1824.42(Photon Max)		
				2G	Plan 1	110.54	104.28		101(Open Plan)		222(Prepaid - STV 96)	157.04(RNC_PAYG)			87.47(EDGE)		108.82(Unlimited@199)
				3G	Plan 1	3140.84	1805.65		2514(Open Plan)			2532.56(HSD )			1353.83(Photon 3G)		
					Plan 2										1988.11(Photon 3G)		
					Plan 3										3460.83(Photon 3G+)		
				4G	Plans									3083.19			
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										67.33(Photon Whiz)		
					Plan 2										1572.85(Photon Plus)		
					Plan 3										2580.01(Photon Max)		
				2G	Plan 1	137.28	184.16		166(Open Plan)		250(Prepaid-STV 96)	186.49(RNC_PAYG)			107.91(EDGE)		164.85(Unlimited@199)
				3G	Plan 1	3497.81	2443.94		4756(Open Plan)			3178.59(HSD )			2125.72(Photon 3G)		
					Plan 2										2938.22(Photon 3G)		
					Plan 3										5251.96(Photon 3G+)		
				4G	Plans									14501.54			
	6	Latency	Data <250ms	All Generations							226.00				61.5		
				2G (GSM)	111.24	203.00		227.00				236.00					105.47
			3G	22.98	101.70		37.00				36.00						
			4G									42.01					
7	PDP Context Activation Success Rate	≥95%	All Generations							99.46				98.8			
			2G (GSM)	98.31	99.97		100.00									99.59	
			3G	98.31	99.98		100.00										
			4G									98.59					
8	Drop rate :	≤5%	All Generations							1.02				1.4			
			2G (GSM)	0.50	0.14		1.26				1.54					2.42	
			3G	2.01	0.09		0.30				0.36						
			4G									0.71					

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status														
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone		
Rajasthan	1	Service Activation	Within 4 hrs with 95%	All Generations	99.97	95.00		99.89		95			99.60	100		99.99		
				3G							100.00							
	2	Successful data transmission download attempts	>80%	All Generations											100			
				2G (GSM)	98.88	100.00		100.00				99.57				100.00		
				3G		100.00						100.00						100.00
				CDMA							100							
		4G											100.00					
	3	Successful data transmission upload attempts	>75%	All Generations											100			
				2G (GSM)	98.70	100.00		100.00				98.91					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	Plan 1												77(Photon Whiz)	
					Plan 2							618(Mblaze)				1323(Photon Plus)		
				2G	Plan 1	61.07	144.14		141(Open Plan)					74.89(RNC_PAYG)				126.98(VL+VM C)@599
				3G	Plan 1		2533.90							1248.95(HSD )				4631.36
				4G	Plans											3236.11		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1												82(Photon Whiz)	
					Plan 2							1666(Mblaze)				1647(Photon Plus)		
				2G	Plan 1	133.53	161.21		167(Open Plan)					112.92(RNC_PAYG)				179.11(VL+VM C)@599
				3G	Plan 1		3036.89							1524.99(HSD )				8544.62
				4G	Plans											17958.69		
	6	Latency	Data <250ms	All Generations												96.2		
				2G (GSM)	117.33	165.00		86.00					247.00				117.50	
				3G		63.00							55.00					102.83
				CDMA								69						
		4G											50.42					
	7	PDP Context Activation Success Rate	≥95%	All Generations												97.9		
	2G (GSM)			98.37	99.80		99.48										99.21	
	3G				100.00												97.53	
	CDMA										99.31							
	4G											99.01						
8	Drop rate :	≤5%	All Generations											1.38				
			2G (GSM)	0.48	1.12		0.14					2.32				2.83		
			3G		0.54							0.50					0.67	
			CDMA								0.6							
	4G											0.77						

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Tamilnadu	1	Service Activation	Within 4 hrs with 95%	All Generations	99.79	95.00		99.98		95			99.58	100		99.99	
				2G (GSM)								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		
				CDMA						100							
				4G									100.00				
	3	Successful data transmission upload attempts	>75%	All Generations											100		
				2G (GSM)	100.00	100.00		100.00			99.91						
				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	Plan 1										56(Photon Whiz)		
					Plan 2									936 (Photon Plus)			
				2G	Plan 1	163.65	190.96		88(Open Plan)				60.54(RNC_PAYG)			107.52(199 Unlimited 2GB)	
					Plan 1	3629.51	4249.39									2412.40(650 Unlimited 3GB)	
				4G	Plans								3185.57				
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1395(Mblaze)				76(Photon Whiz)		
					Plan 2						2692(Mblaze ultra)				1690(Photon Plus)		
				2G	Plan 1	205.02	232.13		143(Open Plan)				142.31(RNC_PAYG)			166.19(199 Unlimited 2GB)	
					Plan 1	4942.51	6249.98		0.00							6820.54(650 Unlimited 3GB)	
				4G	Plans								14214.48				
	6	Latency	Data <250ms	All Generations											102.33		
				2G (GSM)	68.94	194.00		104.00					117.81			122.17	
				3G	26.17	41.00										27.00	
				CDMA							75						
				4G									71.09				
	7	PDP Context Activation Success Rate	≥95%	All Generations											97.72		
2G (GSM)				99.58	99.80		99.82								99.89		
3G				99.58	99.80										99.37		
CDMA										99.7							
			4G									99.78					
8	Drop rate :	≤5%	All Generations											0.68			
			2G (GSM)	1.19	0.91		1.00				2.47				2.25		
			3G	0.53	0.42										0.74		
			CDMA							1.1							
			4G									0.74					

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status													
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone	
Uttar Pradesh (East)	1	Service Activation	Within 4 hrs with 95%	All Generations	99.99	99.00		99.98					99.52	94	100	100.00	
				2G (GSM)							100.00						
	2	Successful data transmission download	>80%	All Generations										100	100		
				2G (GSM)	100.00	100.00		100.00				99.83				99.27	
				3G	100.00	100.00		100.00								99.80	
				4G									100.00				
	3	Successful data transmission upload	>75%	All Generations										100	100		
				2G (GSM)	100.00	100.00		100.00				100.00				99.91	
				3G	100.00	100.00		100.00								99.95	
				4G									100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1										75(Photon Whiz)		
					Plan 2										728.79(Photon Plus)		
					Plan 3										1861.23(Photon Max)		
				2G	Plan 1	127.46	118.02		122(Open Plan)			71.78(RNC_P AYG)			65.05(EDGE)	69.8	124.39(Rs.1599 12GB Free)
				3G	Plan 1	2813.45	2525.05		2757(Open Plan)								7161.01(Rs.1599 12GB Free)
				4G	Plans								5821.90			1717.22	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										81.41(Photon whiz)		
					Plan 2										1680.41(Photon Plus)		
					Plan 3										2841.99(Photon Max)		
				2G	Plan 1	185.67	200.77		132(Open Plan)			159.81(RNC_PAYG)			102.72(EDGE)	98.9	163.96(Rs.1599 12GB Free)
				3G	Plan 1	4050.56	6482.93		1729(Open Plan)								10973.55(Rs.1599 12GB Free)
				4G	Plans								30036.74			2067.91	
	6	Latency	Data <250ms	All Generations											69.95	134	
				2G (GSM)	87.14	222.00		185.00				126.73					182.34
				3G	39.50	196.80		90.00									42.46
				4G									45.91				
	7	PDP Context Activation Success Rate	≥95%	All Generations											98.17	9808.8	
				2G (GSM)	99.20	99.86		99.70									98.49
			3G	99.20	100.00		99.64									97.45	
			4G									99.02					
8	Drop rate :	≤5%	All Generations											1.45	0.79		
			2G (GSM)	0.62	1.06		1.33				3.45					4.23	
			3G	0.40	0.41		1.37									0.78	
			4G									0.84					

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status																	
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone					
Uttar Pradesh (West)	1	Service Activation	Within 4 hrs with 95%	All Generations	99.99	99.00		99.87		95			99.19	99	100	99.99					
	2	Successful data transmission download attempts	>80%	All Generations								100.00			100	100					
				2G (GSM)	93.81	100.00		100.00			100.00					98.94					
				3G		100.00		100.00									99.11				
				CDMA						99.7											
	3	Successful data transmission upload attempts	>75%	All Generations										100.00	100	100					
				2G (GSM)	93.00	100.00		100.00			100.00					99.40					
				3G		100.00		100.00									99.17				
				CDMA						99.7											
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1																
					Plan 2						831(Mblaze)					76(Photon Whiz)					
					Plan 3						1777(Mblaze ultra)					725(Photon Plus)					
				2G	Plan 1	117.39	89.84		82(Open Plan)					114.48(RNC_PAYG)			108(EDGE)	73.4	127.28(250 with 1GB data)		
					Plan 2		1385.92		2034(Open Plan)										897.12		
					Plan 3												2087(Photon 3G)				
				3G	Plan 1													3687(Photon3G+)			
					Plan 2																
					Plan 3																
				4G	Plans											3879.18			1417.966		
					5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1										82(Photon Whiz)		
									Plan 2						1243(Mblaze)				1275(Photon Plus)		
	Plan 3										2703(Mblaze ultra)				2625(Photon Max)						
	2G	Plan 1	174.74	197.32		180(Open Plan)					177.55(RNC_PAYG)			133(EDGE)	111.2	192.21(250 with 1GB data)					
		Plan 2		2581.27		3424(Open Plan)										4298.73					
		Plan 3												3519(Photon 3G)							
	3G	Plan 1													5028(Photon3G+)						
		Plan 2																			
		Plan 3																			
	4G	Plans											23836.58			2125.3862					
		6	Latency	Data <250ms	All Generations										66.7	126.2					
					2G (GSM)	91.14	174.00		104.00			226.95					220.68				
	3G					64.30		71.00									182.33				
CDMA										62											
7	PDP Context Activation Success Rate	≥95%	All Generations											98.8	9914.5						
			2G (GSM)	96.86	99.96		99.92									99.84					
			3G		100.00		98.98									98.54					
			CDMA						99.84												
8	Drop rate :	≤5%	All Generations										98.27								
			2G (GSM)	0.68	1.00		1.38			1.22				1.3	0.56						
			3G		0.53		1.27									2.80					
			CDMA						0.92							0.59					
4G	Plans											0.94									

Note 1: The text in the bracket ( like RNC\_PayG, 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: March 2017				Compliance Status														
Sl. No.	Parameters	Benchmarks	Generations	Aircel	Airtel	BSNL	Idea	MTNL	MTS	Quadrant	Rcom	RTL	Reliance JIO	TATA	Telenor	Vodafone		
West Bengal	1	Service Activation	Within 4 hrs with 95%	All Generations	99.99	98.00		99.99	95				99.46	100		100.00		
				3G								100.00						
	2	Successful data transmission download attempts	>80%	All Generations											100			
				2G (GSM)	100.00	100.00		100.00							99.58			
				3G	100.00	100.00							98.12		99.75			
				CDMA						100				100.00				
	3	Successful data transmission upload attempts	>75%	All Generations											100			
				2G (GSM)	100.00	100.00		100.00							99.63			
				3G	100.00	100.00							98.32		99.51			
				CDMA						100								
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1											62(Photon Whiz)		
					Plan 2						812(Mblaze)							
				2G	Plan 1	116.17	97.59		118(Open Plan)							86(EDGE)	103.67(2GB Plan)	
					Plan 2										1464.40(HSD)		2579.16(5GB Plan)	
				3G	Plan 1	1487.53	1651.68											
					Plan 2													
				4G	Plans											4350.35		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						1178(Mblaze)				77(Photon Whiz)			
					Plan 2						2082(Mblaze ultra)							
				2G	Plan 1	198.22	136.78		153(Open Plan)							158(EDGE)	142.97(2GB Plan)	
					Plan 2												5529.63(5GB Plan)	
				3G	Plan 1	4002.13	2882.08								2188.39(HSD)			
					Plan 2													
				4G	Plans										17322.14			
	6	Latency	Data <250ms	All Generations											134.67			
				2G (GSM)	162.07	232.00		187.00								117.33		
				3G	30.74	45.50								37.73		47.00		
CDMA											65							
4G														79.00				
7	PDP Context Activation Success Rate	≥95%	All Generations											98.17				
			2G (GSM)	98.91	99.92		99.80								99.43			
			3G	98.91	99.92								100.00		98.74			
			CDMA							99.23								
8	Drop rate :	≤5%	All Generations											98.08				
			2G (GSM)	1.16	3.13		1.02								0.69			
			3G	1.31	0.52								1.82		3.41			
			3G(OSS)										0.63		0.85			
			CDMA							0.68								
			4G											1.01				

Note 1: The text in the bracket ( like RNC\_PayG, 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.