

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

Report for quarter ending: Dec 2021

Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status						
					Airtel	BSNL	MTNL	Reliance JIO	VIL		
Andhra Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	97.33		98.68	99.89	
				2G							
				3G							
	2	Successful data transmission download attempts	>80%	All Generations			98.05		100.00	100.00	
				2G (GSM)		100.00					
				3G		100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			99.50		100.00	100.00	
				2G (GSM)		100.00					
				3G		100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	168.93	58.00			98.04	
				3G	Plan 1	1534.00	1440.17				3331.73
				4G	Plans	19780.67			7453.34		3942.80
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	226.41	128.84			161.75	
				3G	Plan 1	2234.10	2938.67				4636.93
				4G	Plans	30563.33			20853.71		10170.85
	6	Latency	Data <250	All Generations			197.50		54.04	88.00	
				2G (GSM)		139.67					
				3G		88.00					
				4G		48.33					
	7	PDP Context Activation Success Rate	≥95%	All Generations			99.44		99.29	96.43	
				2G (GSM)		99.97					
				3G		99.07					
				4G		99.84					
	8	Drop rate :	≤5%	All Generations			0.95		0.38	1.91	
				2G (GSM)		2.40					
				3G		0.64					
4G				0.27							

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Assam	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		98.00	99.94	
				2G							
				3G							
	2	Successful data transmission download attempts	>80%	All Generations			98.66		100.00	98.83	
				2G (GSM)		100.00					
				3G		NA					
	3	Successful data transmission upload attempts	>75%	All Generations			99.04		100.00	99.78	
				2G (GSM)		100.00					
				3G		NA					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	112.64	92.00			164.62	
				3G	Plan 1	NA	1245.00				4173.08
				4G	Plans	10167.56			4833.19		16718.33
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	128.12	153.00			214.50	
				3G	Plan 1	NA	2889.00				7014.32
				4G	Plans	16297.65			23416.97		26241.24
	6	Latency	Data <250	All Generations			161.64		53.15	84.00	
				2G (GSM)		200.67					
				3G		NA					
				4G		126.33					
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.97		99.74	97.51	
				2G (GSM)		99.68					
				3G		NA					
				4G		99.97					
	8	Drop rate :	≤5%	All Generations			1.12		0.42	2.14	
				2G (GSM)		1.76					
				3G		NA					
4G				0.32							

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Bihar	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		98.81	99.99
				2G						
				3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	100.00
				2G (GSM)		99.50				
				3G		NA				
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)		99.72				
				3G		NA				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	35.19	110.75			146.00
				3G	Plan 1	NA	884.17			2241.33
				4G	Plans	6359.00	1376.00		5174.60	8241.33
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	127.23	161.05			186.80
				3G	Plan 1	NA	1582.92			7189.00
				4G	Plans	9237.33	4258.00		18493.13	12752.67
	6	Latency	Data <250	All Generations			120.71		56.10	58.75
				2G (GSM)		147.67				
				3G		NA				
				4G		47.11				
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.42		99.54	96.38
				2G (GSM)		99.99				
				3G		NA				
				4G		99.81				
	8	Drop rate :	≤5%	All Generations			0.85		0.36	0.39
				2G (GSM)		3.82				
				3G		NA				
4G				0.50						

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Delhi	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00		95.78	98.36	99.05	
				3G							
	2	Successful data transmission download attempts	>80%	All Generations					100.00	97.64	
				2G (GSM)		100.00					
				3G		NA		100.00			
				4G		100.00					
	3	Successful data transmission upload attempts	>75%	All Generations					100.00	100.00	
				2G (GSM)		100.00					
				3G		NA		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	61.64					107.09
				3G	Plan 1	NA		1136.64			2497.76
				4G	Plans	7028.54			5247.48		9128.54
		Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	135.24					168.50
				3G	Plan 1	NA		8518.78			7248.98
				4G	Plans	15675.31			20651.86		22151.97
	6	Latency	Data <250	All Generations				31.53	52.47	63.33	
				2G (GSM)		233.67					
3G					NA						
4G					65.50						
7	PDP Context Activation Success Rate	≥95%	All Generations				100.00	99.04	99.85		
			2G (GSM)		99.95						
			3G		NA						
			4G		98.37						
8	Drop rate :	≤5%	All Generations				3.82	0.36	0.26		
			2G (GSM)		2.02						
			3G		NA						
			4G		0.23						

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Gujarat	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	98.00		98.46	99.56	
				2G (GSM)							
	2	Successful data transmission download attempts	>80%	All Generations			99.00		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			99.00		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	93.73	NA			94.68	
				3G	Plan 1	NA	1141.00				2425.88
				4G	Plans	5866.67			7162.33		12562.36
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	143.00	NA			179.42	
				3G	Plan 1	NA	2517.00				5024.42
				4G	Plans	10736.33			20848.10		21634.89
	6	Latency	Data <250	All Generations			110.00		51.36	61.00	
				2G (GSM)		237.00					
3G				NA							
4G				30.00							
7	PDP Context Activation Success Rate	≥95%	All Generations			99.84		98.96	99.97		
			2G (GSM)		99.99						
			3G		NA						
			4G		99.87						
8	Drop rate :	≤5%	All Generations			0.75		0.32	0.87		
			2G (GSM)		4.96						
			3G		NA						
			4G		0.19						

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				Airtel	BSNL	MTNL	Reliance JIO	VIL			
Himachal Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		98.28	99.99	
				2G (GSM)							
				3G							
	2	Successful data transmission download attempts	>80%	All Generations			98.67		100.00	99.89	
				2G (GSM)		100.00					
				3G		NA					
	3	Successful data transmission upload attempts	>75%	All Generations			99.00		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	90.00	71.00			106.58	
				3G	Plan 1	NA	882.00				3261.86
				4G	Plans	1616.13	2174.66		8904.45		5342.87
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	183.67	123.33			176.77	
				3G	Plan 1	NA	2616.33				5787.33
				4G	Plans	7568.55	8942.33		21991.98		13153.68
	6	Latency	Data <250	All Generations			80.66		48.95	55.50	
				2G (GSM)		202.33					
				3G		NA					
				4G		98.00					
	7	PDP Context Activation Success Rate	≥95%	All Generations			99.20		99.64	100.00	
				2G (GSM)		99.58					
				3G		NA					
				4G		99.48					
	8	Drop rate :	≤5%	All Generations			0.70		0.34	1.06	
				2G (GSM)		1.97					
				3G		NA					
4G				0.34							

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Haryana	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	98.19		97.98	99.96	
				2G (GSM)							
	2	Successful data transmission download attempts	>80%	All Generations			85.00		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
	3	Successful data transmission upload attempts	>75%	All Generations			81.67		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	140.00	312.67			97.87	
				3G	Plan 1	NA	1815.00				2179.16
				4G	Plans	7133.33	4206.33		9839.45	4413.18	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	170.67	356.67			184.78	
				3G	Plan 1	NA	2081.67			4486.32	
				4G	Plans	18690.00	5406.33		22344.42	11868.61	
	6	Latency	Data <250	All Generations			124.34		55.34	36.00	
				2G (GSM)		234.33					
				3G		NA					
				4G		123.33					
7	PDP Context Activation Success Rate	≥95%	All Generations			96.16		99.60	97.20		
			2G (GSM)		99.59						
			3G		NA						
			4G		99.74						
8	Drop rate :	≤5%	All Generations			3.84		0.34	0.91		
			2G (GSM)		1.54						
			3G		NA						
			4G		0.08						

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					Airtel	BSNL	MTNL	Reliance JIO	VIL		
Jammu and Kashmir	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	98.02		98.41	99.87	
				3G							
	2	Successful data transmission download attempts	>80%	All Generations			97.07		100.00	99.94	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			89.28		100.00	100.00	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	154.39	20.57			153.50	
				3G	Plan 1	NA	126.64			4511.15	
				4G	Plans	11582.33		6313.53	10272.06		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	254.35	217.83			209.44	
				3G	Plan 1	NA	1277.00			8636.80	
				4G	Plans	11805.67		18251.33	19922.15		
	6	Latency	Data <250	All Generations			104.00		51.40	45.50	
				2G (GSM)		216.33					
3G					NA						
4G					104.67						
7	PDP Context Activation Success Rate	≥95%	All Generations			97.84		99.67	98.00		
			2G (GSM)		100.00						
			3G		NA						
			4G		100.00						
8	Drop rate :	≤5%	All Generations			1.62		0.30	1.14		
			2G (GSM)		1.16						
			3G		NA						
			4G		0.31						

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					Airtel	BSNL	MTNL	Reliance JIO	VIL		
Kolkata	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	100.00		98.84	99.95	
				3G							
	2	Successful data transmission download attempts	>80%	All Generations			94.00		100.00	99.46	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			92.33		100.00	99.96	
				2G (GSM)		100.00					
				3G		NA					
				4G		100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	17.64	67.00			196.96	
				3G	Plan 1	NA	921.67			NA	
				4G	Plans	16958.60		4193.15	15534.66		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	21.45	115.00			227.64	
				3G	Plan 1	NA	2775.00			NA	
				4G	Plans	29069.67		14858.61	28464.15		
	6	Latency	Data <250	All Generations			106.00		45.61	90.00	
				2G (GSM)			178.50				
3G					NA						
4G					34.38						
7	PDP Context Activation Success Rate	≥95%	All Generations			99.90		99.73	99.97		
			2G (GSM)			100.00					
			3G			NA					
			4G			99.90					
8	Drop rate :	≤5%	All Generations			2.34		0.23	0.84		
			2G			1.97					
			3G			NA					
			4G			0.04					

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					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Kerala	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	99.43		98.80	99.84
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	69.64	20.00			158.20
				3G	Plan 1	NA	189.00			5333.46
				4G	Plans	6309.10	94.00		12204.43	21010.97
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	147.76	67.77			203.57
				3G	Plan 1	NA	2015.93			8147.84
				4G	Plans	10630.29	2518.00		22292.24	36358.96
	6	Latency	Data <250	All Generations			94.26		52.34	56.00
				2G (GSM)		245.33				
3G				NA						
4G				83.33						
7	PDP Context Activation Success Rate	≥95%	All Generations			99.76		99.68	99.31	
			2G (GSM)		99.70					
			3G		NA					
			4G		99.78					
8	Drop rate :	≤5%	All Generations			0.83		0.40	1.26	
			2G (GSM)		4.93					
			3G		NA					
			4G		0.31					

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					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Karnataka	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	100.00		98.47	99.76
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations			90.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			90.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	27.60	103.34			202.17
				3G	Plan 1	NA	2193.34			3965.05
				4G	Plans	2389.48		7109.20	24228.08	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	132.38	164.50			253.75
				3G	Plan 1	NA	3904.52			6086.45
				4G	Plans	19443.74		21534.20	30392.01	
	6	Latency	Data <250	All Generations			145.64		60.40	24.00
				2G (GSM)		203.83				
3G				NA						
4G				56.34						
7	PDP Context Activation Success Rate	≥95%	All Generations			96.96		99.57	97.21	
			2G (GSM)		99.91					
			3G		NA					
			4G		99.55					
8	Drop rate :	≤5%	All Generations			0.73		0.46	0.59	
			2G (GSM)		0.58					
			3G		NA					
			4G		0.11					

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Maharashtra	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	99.22		98.46	99.72
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations			98.37		100.00	99.40
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			96.11		100.00	99.60
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	62.33	102.66			95.82
				3G	Plan 1	NA	4045.67			3586.44
				4G	Plans	3928.33			7272.62	9788.69
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	130.39	122.00			181.91
				3G	Plan 1	NA	4145.67			6918.57
				4G	Plans	14875.66			22080.91	21813.56
	6	Latency	Data <250	All Generations			115.67		61.47	59.30
				2G (GSM)		239.00				
3G				NA						
4G				85.90						
7	PDP Context Activation Success Rate	≥95%	All Generations			97.35		99.16	95.87	
			2G (GSM)		100.00					
			3G		NA					
			4G		100.00					
8	Drop rate :	≤5%	All Generations			2.02		0.44	0.64	
			2G (GSM)		4.64					
			3G		NA					
			4G		0.78					

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Madhya Pradesh	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	99.07		98.32	99.89
				2G						
				3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	99.28
				2G (GSM)		100.00				
				3G		NA				
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	136.39	NA		141.17	
				3G	Plan 1	NA	1383.67		4668.26	
				4G	Plans	11248.14	9317.33	5790.35	11980.27	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	192.29	NA		205.13	
				3G	Plan 1	NA	2433.33		6683.40	
				4G	Plans	18695.86	15708.66	21646.66	20995.80	
	6	Latency	Data <250	All Generations			131.00		55.34	70.00
				2G (GSM)		123.67				
				3G		NA				
				4G		37.33				
	7	PDP Context Activation Success Rate	≥95%	All Generations			98.66		92.40	98.53
				2G (GSM)		99.60				
				3G		NA				
4G				99.85						
8	Drop rate :	≤5%	All Generations			1.49		0.38	0.81	
			2G (GSM)		4.41					
			3G		NA					
			4G		0.35					

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Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Mumbai	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00		99.24	98.51	99.97
				3G						
	2	Successful data transmission download attempts	>80%	All Generations					100.00	100.00
				2G (GSM)		100.00		100.00		
				3G		NA		100.00		
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations					100.00	100.00
				2G (GSM)		100.00		100.00		
				3G		NA		100.00		
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	83.68		58.45		165.01
					Plan 1	NA		704.06		NA
					Plans	6251.86			3920.20	21447.37
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	182.58		89.10		209.05
					Plan 1	NA		778.06		NA
					Plans	10086.72			15620.47	30540.94
	6	Latency	Data <250	All Generations					40.34	62.75
				2G (GSM)		110.67				
				3G		NA		219.71		
				4G		34.00				
7	PDP Context Activation Success Rate	≥95%	All Generations				100.00	99.47	99.37	
			2G (GSM)		99.97					
			3G		NA					
			4G		99.93					
8	Drop rate :	≤5%	All Generations				2.81	0.30	0.70	
			2G (GSM)		3.63					
			3G		NA					
			4G		0.26					

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Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
North East	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		96.51	99.91
				2G						
				3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	98.62	385.00			181.66
				3G	Plan 1	NA	385.00			4524.59
				4G	Plans	10138.44	NA		10394.08	11884.82
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	132.23	976.00			218.56
				3G	Plan 1	NA	976.00			6448.64
				4G	Plans	15657.92	NA		22637.17	20696.52
	6	Latency	Data <250	All Generations			118.00		58.59	84.75
				2G (GSM)		203.00				
				3G		NA				
				4G		120.67				
	7	PDP Context Activation Success Rate	≥95%	All Generations			96.32		99.69	97.49
				2G (GSM)		99.98				
				3G		NA				
				4G		99.24				
	8	Drop rate :	≤5%	All Generations			2.31		0.56	2.85
				2G (GSM)		2.84				
				3G		NA				
4G				0.30						

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Odisha	1	Service Activation /Provisioning	Within 4 hrs with 95% success rate.	All Generations		100.00	100.00		98.69	99.97
				2G (GSM)						
				3G						
				4G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	178.63	44.67			162.96
				3G	Plan 1	NA	730.67			11261.33
				4G	Plans	8039.01	2431.67		4127.41	26778.00
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	216.46	60.16			259.49
				3G	Plan 1	NA	3343.91			13293.90
				4G	Plans	17232.69	5806.51		21062.37	35325.94
	6	Latency	Data <250	All Generations			125.40		51.92	34.50
				2G (GSM)		153.44				
				3G		NA				
				4G		62.00				
	7	PDP Context Activation Success Rate	≥95%	All Generations			97.51		99.25	99.05
				2G (GSM)		99.55				
				3G		NA				
				4G		99.65				
8	Drop rate :	≤5%	All Generations			2.86		0.37	1.25	
			2G (GSM)		4.52					
			3G		NA					
			4G		0.37					

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations	Compliance Status						
				Airtel	BSNL	MTNL	Reliance JIO	VIL		
Punjab	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	100.00		98.42	99.81
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations			98.98		100.00	99.89
				2G (GSM)		100.00				
				3G		NA				
	3	Successful data transmission upload attempts	>75%	All Generations			97.67		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
				2G	Plan 1	52.26	112.74			137.63
				3G	Plan 1	NA	2994.32			4556.46
				4G	Plans	673.33	4297.52		7793.72	7890.83
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
				2G	Plan 1	163.00	144.33			198.97
				3G	Plan 1	NA	3600.03			7974.96
				4G	Plans	18663.33	6109.37		18107.95	14413.60
	6	Latency	Data <250	All Generations			125.60		54.71	35.50
				2G (GSM)		244.33				
				3G		NA				
				4G		79.67				
7	PDP Context Activation Success Rate	≥95%	All Generations			99.07		99.44	100.00	
			2G (GSM)		99.78					
			3G		NA					
			4G		99.27					
8	Drop rate :	≤5%	All Generations			2.03		0.28	1.37	
			2G (GSM)		0.89					
			3G		NA					
			4G		0.12					

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Rajasthan	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	96.58		98.38	99.94
				3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00		100.00	100.00
				2G (GSM)	100.00					
				3G	NA					
				4G	100.00					
	3	Successful data transmission upload attempts	>75%	All Generations			100.00		100.00	100.00
				2G (GSM)	100.00					
				3G	NA					
				4G	100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	119.39	NA		75.73	
				3G	Plan 1	NA	2961.49		4803.13	
				4G	Plans	25897.81	NA	10802.14	10791.05	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
					2G	Plan 1	132.04	NA		127.94
				3G	Plan 1	NA	2899.14		7335.03	
				4G	Plans	34855.33	NA	25711.38	23309.16	
	6	Latency	Data <250	All Generations			172.00		61.23	59.50
				2G (GSM)	161.33					
				3G	NA					
				4G	38.33					
	7	PDP Context Activation Success Rate	≥95%	All Generations			100.00		99.21	99.91
2G (GSM)				99.91						
3G				NA						
4G				99.05						
8	Drop rate :	≤5%	All Generations			0.11		0.39	0.72	
			2G (GSM)	1.40						
			3G	NA						
			4G	0.40						

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Tamilnadu	1	Service Activation /Provisioning	Within 4 hrs with 95% success	All Generations		100.00	100.00		98.53	99.71
				2G (GSM)						
	2	Successful data transmission download attempts	>80%	All Generations			96.17		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	3	Successful data transmission upload attempts	>75%	All Generations			96.89		100.00	100.00
				2G (GSM)		100.00				
				3G		NA				
				4G		100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	117.38	59.11			100.86
					Plan 1	NA	778.20			4001.45
	4G	Plans	10857.80	2050.13			5795.10	10177.17		
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1					
					Plan 2					
				2G	Plan 1	195.74	123.47			175.70
					Plan 1	NA	1720.51			8044.28
	4G	Plans	16463.38	4069.41			21173.44	20445.33		
	6	Latency	Data <250	All Generations			207.56		51.95	32.50
				2G (GSM)		229.09				
3G				NA						
4G				51.99						
7	PDP Context Activation Success Rate	≥95%	All Generations			99.60		99.64	98.29	
			2G (GSM)		99.91					
			3G		NA					
			4G		99.75					
8	Drop rate :	≤5%	All Generations			0.06		0.41	1.52	
			2G (GSM)		1.56					
			3G		NA					
			4G		0.22					

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status					
					Airtel	BSNL	MTNL	Reliance JIO	VIL	
Uttar Pradesh (East)	1	Service Activation /Provisioning	Within 4 hrs with 95% success		All Generations	100.00	97.39		98.02	99.95
					2G (GSM)					
	2	Successful data transmission download attempts	>80%		All Generations		82.12		100.00	100.00
					2G (GSM)	100.00				
					3G	NA				
					4G	100.00				
	3	Successful data transmission upload attempts	>75%		All Generations		79.27		100.00	100.00
					2G (GSM)	100.00				
					3G	NA				
					4G	100.00				
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI		CDMA	Plan 1				
					2G	Plan 1	96.47	119.00		74.19
					3G	Plan 1	NA	2980.79		4068.39
					4G	Plans	3265.68	12711.60	7457.59	17220.59
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.		CDMA	Plan 1				
					2G	Plan 1	252.98	154.35		159.45
					3G	Plan 1	NA	3222.39		7681.47
					4G	Plans	7885.68	15870.00	24376.68	29533.64
	6	Latency	Data <250		All Generations			139.67	53.01	35.00
					2G (GSM)	235.56				
				3G	NA					
				4G	116.67					
7	PDP Context Activation Success Rate	≥95%		All Generations		99.88		99.36	97.61	
				2G (GSM)	99.69					
				3G	NA					
				4G	98.85					
8	Drop rate :	≤5%		All Generations		0.91		0.39	1.24	
				2G (GSM)	4.06					
				3G	NA					
				4G	0.33					

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Compliance Status

Sl. No.	Parameters	Benchmarks	Generations		Compliance Status						
					Airtel	BSNL	MTNL	Reliance JIO	VIL		
Uttar Pradesh (West)	1	Service Activation /Provisioning	Within 4 hrs with 95% success		All Generations	100.00	97.60		98.11	99.94	
					2G (GSM)						
	2	Successful data transmission download attempts	>80%		All Generations		94.43		100.00	100.00	
					2G (GSM)	100.00					
					3G	NA					
					4G	100.00					
	3	Successful data transmission upload attempts	>75%		All Generations		91.37		100.00	100.00	
					2G (GSM)	100.00					
					3G	NA					
					4G	100.00					
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI		CDMA	Plan 1					
					2G	Plan 1	107.68	98.33			117.02
					3G	Plan 1	NA	1973.00			1220.55
					4G	Plans	6526.40	NA	4655.40		12125.38
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.		CDMA	Plan 1					
					2G	Plan 1	134.47	161.00			194.75
					3G	Plan 1	NA	2967.67			5112.32
					4G	Plans	10998.47	NA	16774.66		21948.35
	6	Latency	Data <250		All Generations			224.33	53.22		61.00
					2G (GSM)	112.00					
					3G	NA					
					4G	61.33					
	7	PDP Context Activation Success Rate	≥95%		All Generations		96.70		99.36		99.66
					2G (GSM)	99.95					
				3G	NA						
				4G	98.89						
8	Drop rate :	≤5%		All Generations		2.57		0.36		2.44	
				2G (GSM)	1.44						
				3G	NA						
				4G	0.18						

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Sl. No.	Parameters	Benchmarks	Generations		Compliance Status						
					Airtel	BSNL	MTNL	Reliance JIO	VIL		
West Bengal	1	Service Activation /Provisioning	Within 4 hrs with 95% success		All Generations	100.00	96.72		98.64	100.00	
					3G						
	2	Successful data transmission download attempts	>80%	All Generations			100.00			100.00	99.33
				2G (GSM)	100.00						
				3G	NA						
				4G	100.00						
	3	Successful data transmission upload attempts	>75%	All Generations			100.00			100.00	100.00
				2G (GSM)	100.00						
				3G	NA						
				4G	100.00						
	4	Minimum download speed (Kbps)	To be measured for each Plan and Reported to TRAI	CDMA	Plan 1						
				2G	Plan 1	45.02	18.06			151.68	
				3G	Plan 1	NA	67.50			3654.17	
				4G	Plans	4691.62	517.67		4406.46	11479.06	
	5	Average Throughput for Packet data (Kbps)	>75% of the subscribed speed.	CDMA	Plan 1						
				2G	Plan 1	100.76	121.95			194.73	
				3G	Plan 1	NA	1223.66			7577.56	
				4G	Plans	8103.59	4429.48		20528.65	24073.86	
	6	Latency	Data <250	All Generations			138.23			55.68	69.00
				2G (GSM)	118.44						
3G				NA							
4G				49.76							
7	PDP Context Activation Success Rate	≥95%	All Generations			96.17			99.75	99.95	
			2G (GSM)	99.79							
			3G	NA							
			4G	99.74							
8	Drop rate :	≤5%	All Generations			3.53			0.35	1.15	
			2G (GSM)	1.78							
			3G	NA							
			4G	0.59							

Note: NA means not applicable