

Drive Test Report

March 2017

HYDERABAD

Key performance indicators all the operators: : All the operators met the Blocked Call Rate benchmark of $\leq 3\%$ and Call Setup Success Rate (CSSR) Bench Mark of $\geq 95\%$

Methodology:

Drive test was conducted in City Hyderabad & surrounding areas from 9:00 AM to 9:PM from 14th to 17th of March 2017. The total drive test covered was approximately more than 400 km over a period of 4 days. A total of 9591 calls were made for Eight 2G networks, Four 3G networks and One CDMA networks covering eight operators

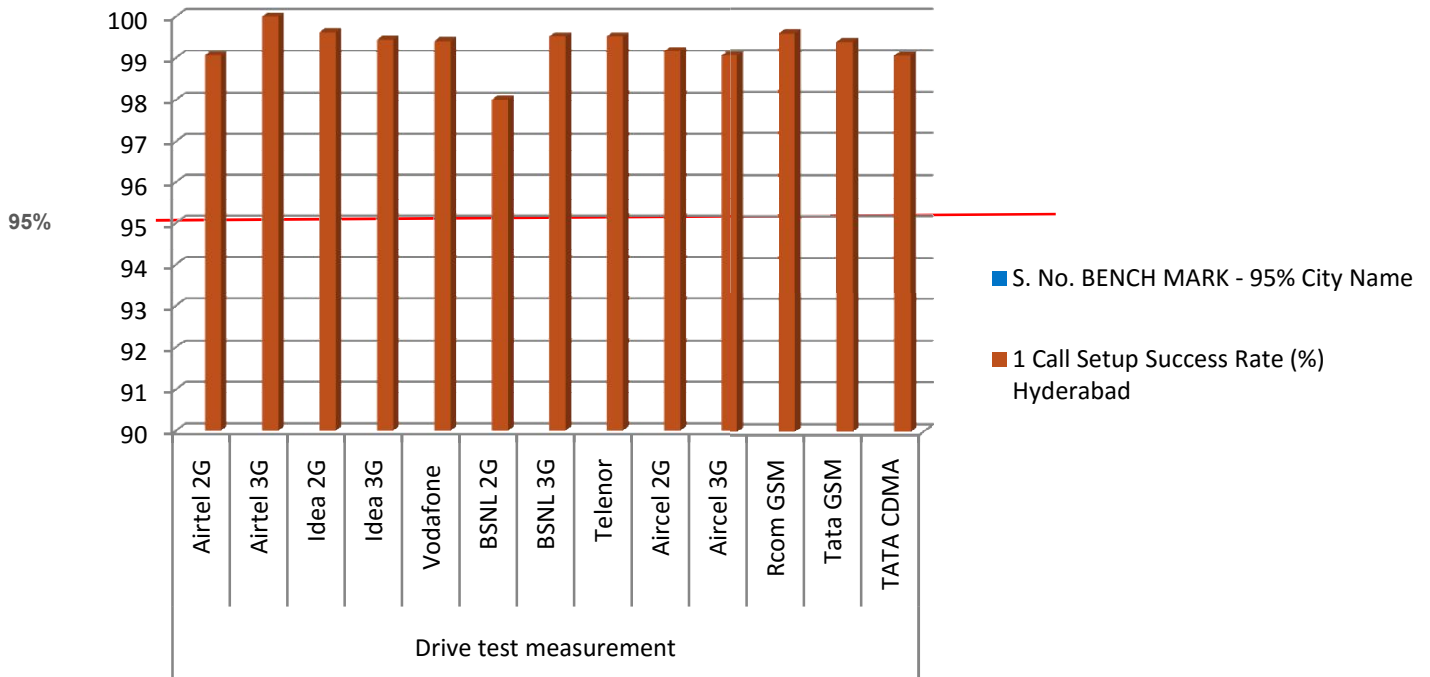


City-Level Details

Operator Performance against Key Performance Indicators :

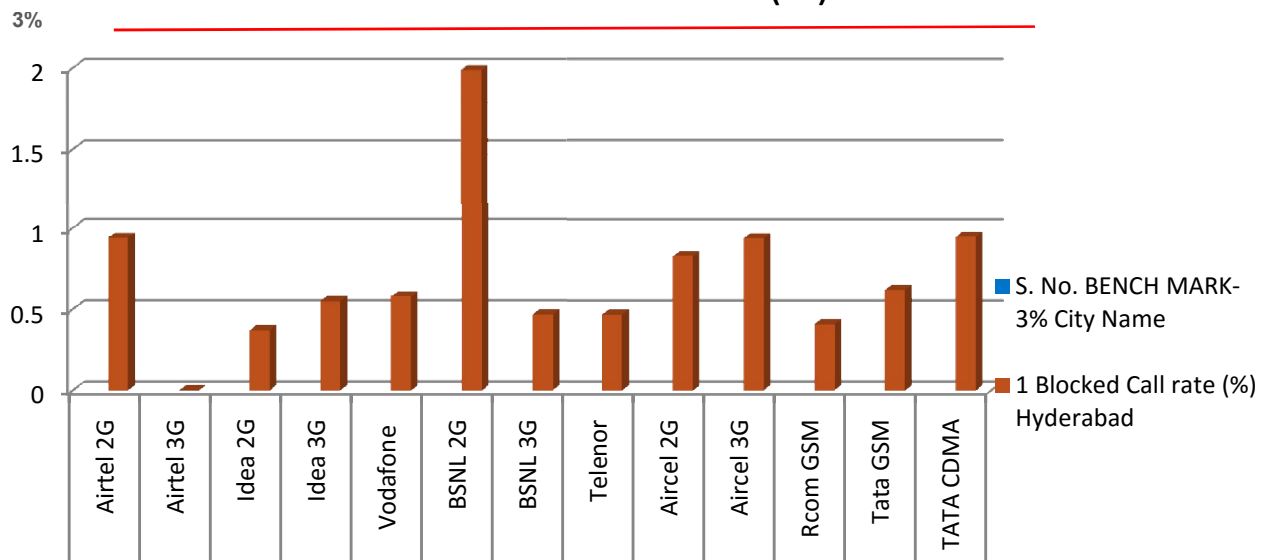
1. Call Setup Success Rate, 2. Blocked Call Rate, 3. Call Drop Rate, 4. Rx Quality

Call Setup Success Rate (%)



All Operators have met the call Setup Success Rate Bench mark of $\geq 95\%$

Blocked call rate (%)



All Operators have met the Blocked Call Rate Bench Mark of $\leq 3\%$

Legends Threshold for each KPI are considered as per TRAI guidelines
Current Drive: August 2016

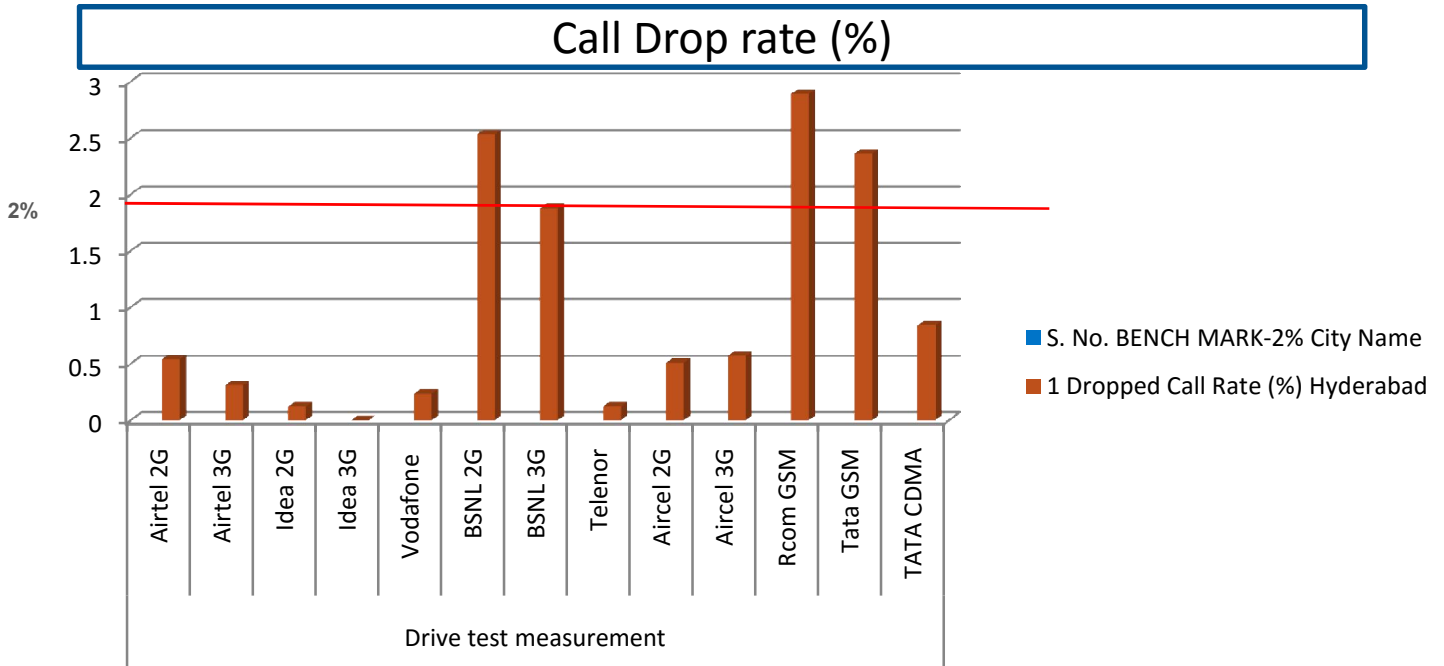
Abbreviation / Definition:

CSSR (benchmark $\geq 95\%$) : Call Setup Success Rate
 BCR (benchmark $\leq 3\%$): Blocked Call Rate
 CDR (benchmark $\leq 2\%$): Call Drop Rate
 Good RxQuality (benchmark $\geq 95\%$): 2G (RxQual ≤ 5), 3G (EcNo ≥ -15 dBm), CDMA (FER $\leq 4\%$)

City-Level Details

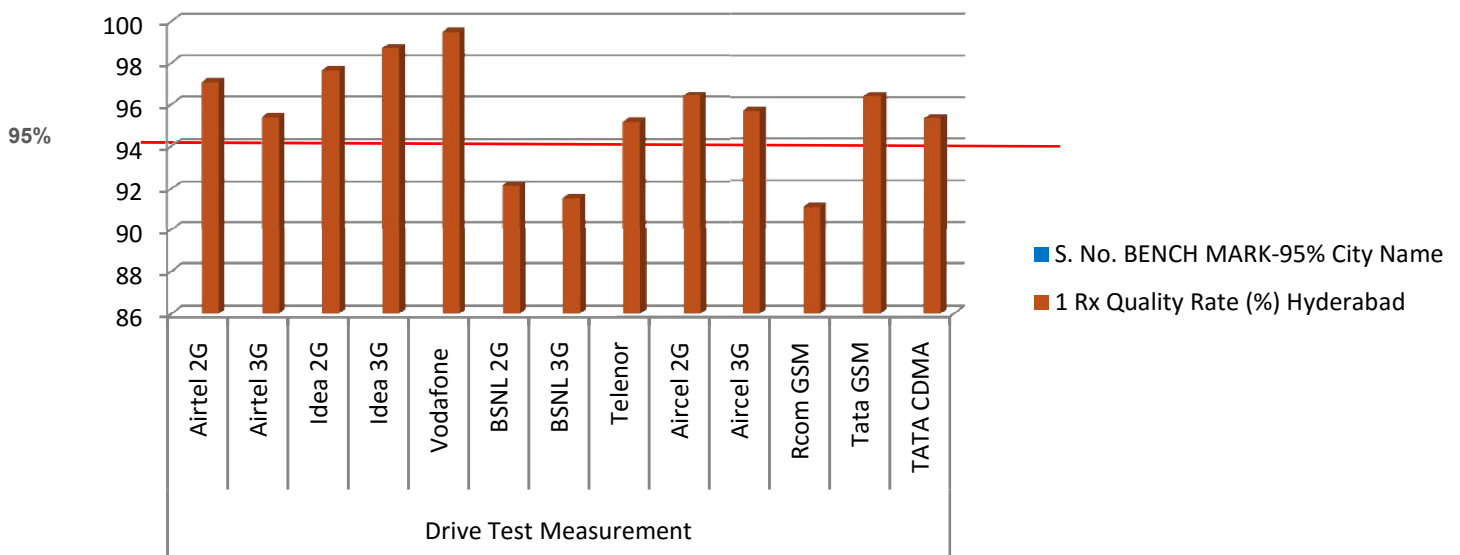
Operator Performance against Key Performance Indicators :

1. Call Setup Success Rate, 2. Blocked Call Rate, 3. Call Drop Rate, 4. Rx Quality



All Operators have met the Call Drop Rate Bench mark of $\leq 2\%$ except BSNL 2G, RCOM GSM and TATA GSM

Rx Quality Rate (%)



All Operators have met the Rx Quality Bench mark of $\geq 95\%$ except BSNL 2G, BSNL 3G and RCOM GSM

Legends Threshold for each KPI are considered as per TRAI guidelines
Current Drive: March 2017

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Ancillary Details

6. City-Level KPI details

Call Events	Operators summary												
	Airtel		Vodafone	Idea		BSNL		Telenor	Aircel		RCOM GSM	TATA GSM	TATA CDMA
	2G	3G		2G	3G	2G	3G		2G	3G			
Call attempts	741	650	859	813	727	806	640	844	599	534	730	809	839
Blocked Call rate	0.94	0	0.58	0.37	0.55	1.99	0.47	0.47	0.83	0.94	0.41	0.62	0.95
CSSR	99.06	100	99.42	99.63	99.45	98.01	99.53	99.53	99.17	99.06	99.59	99.38	99.05
Dropped Called Rate	0.54	0.31	0.23	0.12	0	2.53	1.88	0.12	0.51	0.57	2.89	2.36	0.84
Mobility HOSR	95.89	100	98.53	99.26	98.67	98.2	100	96.45	96.85	96.54	99	96.38	100
Rx Quality	97.1	95.39	99.5	97.65	98.74	92.17	91.54	95.19	96.44	95.73	91.1	96.43	95.35