

Drive Test Report

February 2017

Guwahati

Key performance indicators for most of the operators: : Most of the operators met the Call Dropped Rate (CDR) benchmark of $\leq 2\%$, the Call Setup Success Rate (CSSR) benchmark of $\geq 95\%$, Voice quality benchmark of $\geq 95\%$.

Methodology:

Drive test was conducted in City Guwahati-Dispur & surrounding areas from 10:00 AM to 6:00PM from 20th to 22nd of February 2017. The total drive test covered was approximately **280 km** over a period of 3 days. A total of **~4402** calls were made for **five** 2G networks, **six** 3G networks and **eleven** operators

Date: 27 September 2016



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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

Most of the operators have met the Call Setup Success Rate benchmark of $\geq 95\%$ except BSNL 3G.

Refer. Fig 1

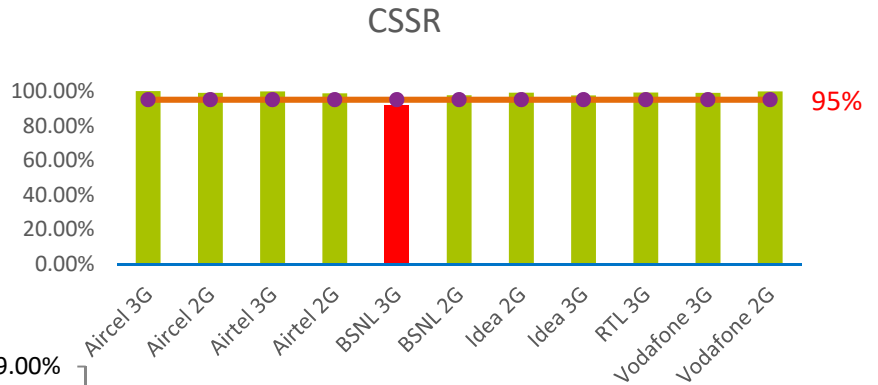


Figure.1: Call setup Success Rate

Most of the operators have met the Blocked call Rate benchmark of $\leq 3\%$ except BSNL 3G.

Refer. Fig 2

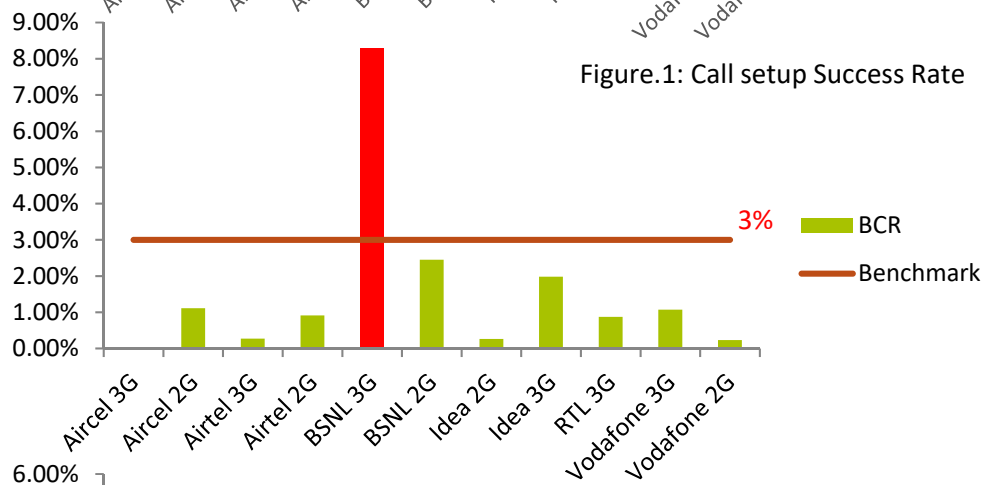


Figure.2: Blocked Call Rate

Most of the operators met the Call Drop Rate benchmark of $\leq 2\%$, except BSNL 2G & BSNL 3G.

Refer. Fig 3

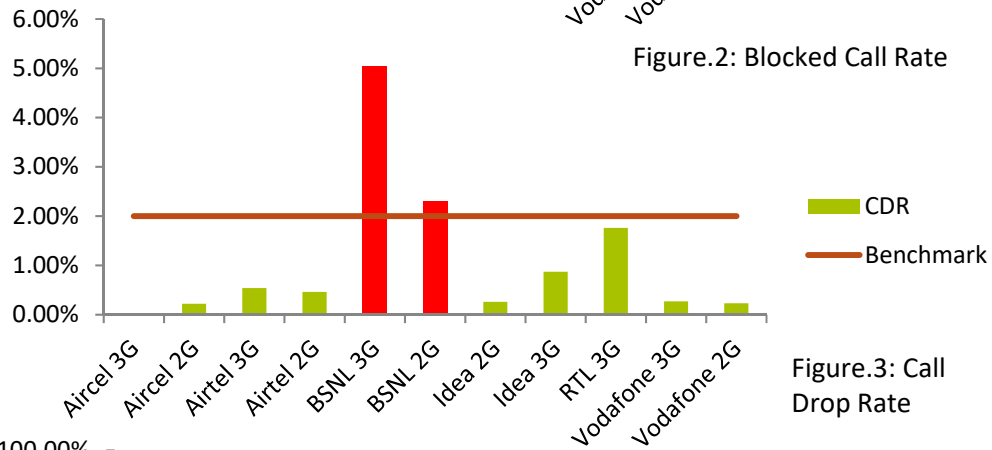


Figure.3: Call Drop Rate

Most of the operators met the Rx Quality benchmark of $\geq 95\%$, except BSNL 2G.

Refer. Fig 4

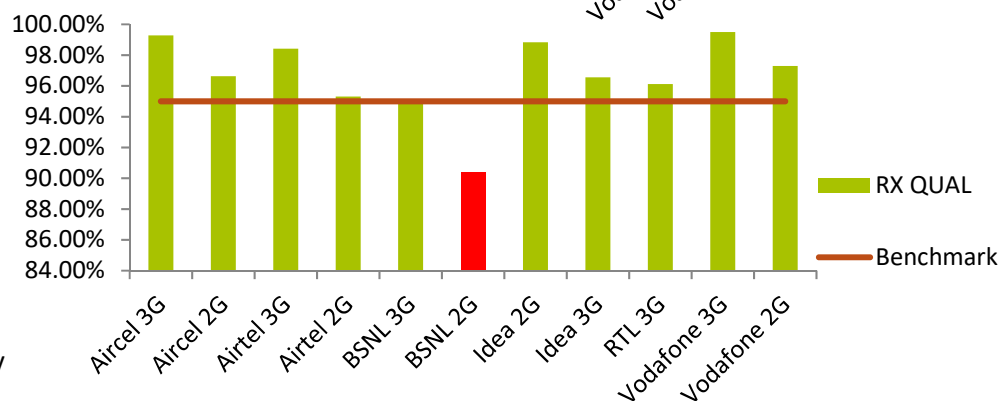


Figure.4: Rx. Quality

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

Operator meeting the benchmark

Operator not meeting the benchmark

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 $\leq 4\%$)

Ancillary Details

6. City-Level KPI details

Call Events	Operators (Summary)										
	Aircel		Airtel		BSNL		IDEA		RTL	Vodafone	
	2G	3G	2G	3G	2G	3G	2G	3G	3G	2G	3G
Call Attempt (Feb-17)	452	348	438	372	490	410	390	354	344	430	372
Blocked Call Rate (Feb-17)	1.11%	0%	0.91%	0.27%	2.45%	8.29%	0.26%	1.98%	0.87%	0.23%	1.07%
CSSR (Accessibility) (Feb-17)	98.89%	100%	98.39%	99.46%	97.55%	91.70%	99.74%	98.02%	99.13%	99.77%	98.93%
Dropped Call Rate (Feb-17)	0.22%	0.00%	0.46%	0.54%	2.30%	5.05%	0.26%	0.87%	1.76%	0.23%	0.27%
Mobility HOSR (Feb-17)	98.97%	100%	98.21%	98.8%	88.71%		99.51%			98.98%	100%
Rx Quality (Feb-17)	96.63%	99.28%	95.30%	98.41%	90.40%	94.87%	98.83%	96.55%	96.12%	97.29%	99.49%

Operator meeting the benchmark

Operator not meeting the benchmark

Data not Available