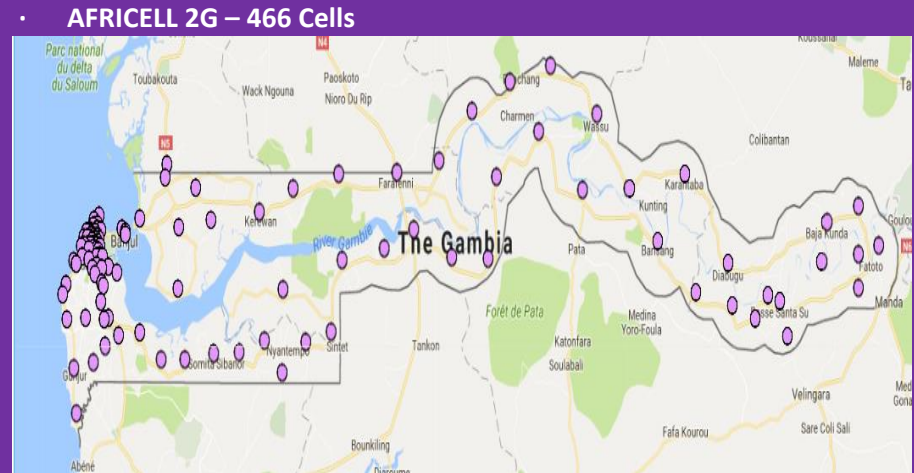


May 2017 Mobile Operators' 2G Quality of Service (QoS) Performance Report



	ACCESSIBILITY	RETAINABILITY		MOBILITY
Threshold	>=95%	>=95%	<=2%	>=95%
REGION	Call Setup Success Rate @ BH	Call Success Rate @ BH	Call Drop Rate @ BH	HO Success @ BH
GBA	96.86%	96.33%	0.54%	98.83%
CRR	95.70%	94.80%	0.93%	97.83%
LRR	93.94%	93.03%	0.96%	97.14%
NBR	93.42%	92.42%	1.06%	97.11%
URR	95.94%	94.87%	1.11%	98.38%
WCR	93.57%	92.54%	1.12%	96.81%

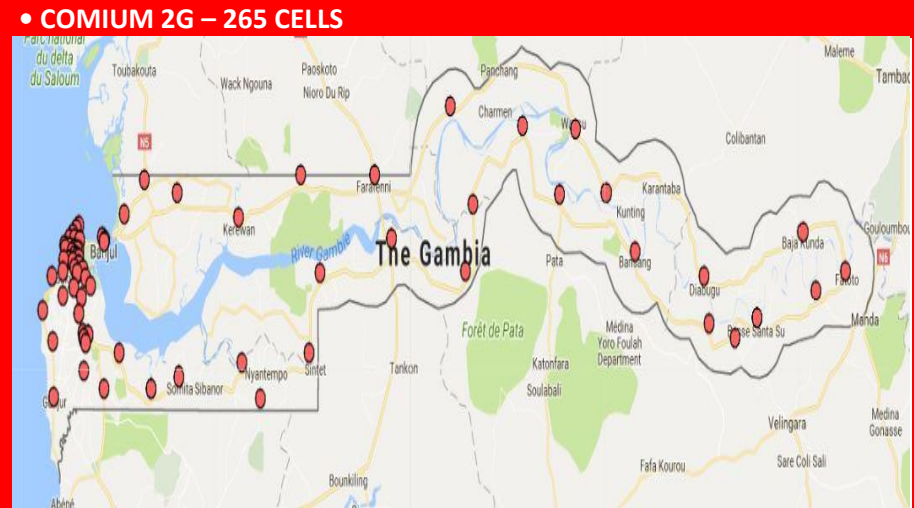
AFRICELL 2G Coverage Map



We're better together.

	ACCESSIBILITY	RETAINABILITY		MOBILITY
Threshold	>=95%	>=95%	<=2%	>=95%
REGION	Call Setup Success Rate @ BH	Call Success Rate @ BH	Call Drop Rate @ BH	HO Success @ BH
GBA	96.10%	94.48%	1.68%	96.21%
CRR	95.59%	93.82%	1.85%	96.75%
LRR	95.49%	93.16%	2.45%	96.93%
NBR	93.38%	90.26%	3.34%	94.25%
URR	96.22%	94.12%	2.18%	98.17%
WCR	88.32%	85.62%	3.01%	91.94%

COMIUM 2G Coverage Map



***The Figures Marked in **Red** are below the QoS requirement

***The Figures marked in **Green** are above the QoS requirement

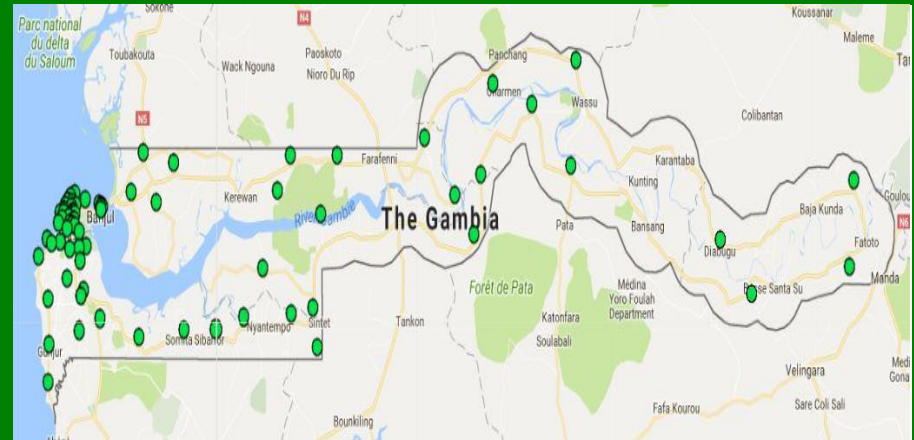
May 2017 Mobile Operators' 2G Quality of Service (QoS) Performance Report



	ACCESSIBILITY	RETAINABILITY		MOBILITY
Threshold	>=95%	>=95%	<=2%	>=95%
REGION	Call Setup Success Rate @ BH	Call Success Rate @ BH	Call Drop Rate @ BH	HO Success @ BH
GBA	97.35%	96.97%	0.39%	98.93%
CRR	98.08%	96.10%	2.02%	96.50%
LRR	98.05%	94.93%	3.18%	95.44%
NBR	91.47%	88.51%	3.22%	77.97%
URR	91.78%	88.25%	3.89%	90.00%
WCR	96.08%	93.99%	2.18%	93.82%

CAMCEL 2G Coverage Map

• GAMCEL 2G – 314 CELLS



	ACCESSIBILITY	RETAINABILITY		MOBILITY
Threshold	>=95%	>=95%	<=2%	>=95%
REGION	Call Setup Success Rate @ BH	Call Success Rate @ BH	Call Drop Rate @ BH	HO Success @ BH
GBA	93.45%	92.52%	1.00%	92.09%
CRR	96.01%	95.15%	0.90%	96.67%
LRR	89.95%	88.60%	1.53%	94.79%
NBR	85.02%	84.31%	0.88%	93.05%
URR	86.51%	85.81%	0.80%	89.85%
WCR	85.72%	84.48%	1.49%	89.74%

QCELL 2G Coverage Map

• QCELL 2G – 448 CELLS



***The Figures Marked in **Red** are below the QoS requirement

***The Figures marked in **Green** are above the QoS requirement

May 2017 Mobile Operators' 2G Quality of Service (QoS) Performance Report

Performance Indicators Definition

- ❖ Call Setup Success Rate (CSSR)– is used to measure the percentage of calls successfully established without facing blockage in the network .
(To check network accessibility)
- ❖ Call Drop Rate (CDR) – is used to measure the percentage of calls dropped due to technical problems or coverage gaps in the service provider's network . **(To check network retain-ability)**
- ❖ Call Success Rate (CSR) -is used to measure the percentage of the total number of call attempts made to access and establish a voice call and then successfully terminated from the user-end without being dropped or disconnected from the network side due to a technical irregularity.
(To check service integrity)
- ❖ Hand over Success Rate - is used to measure call moving between cells to continue conversation and prevent drop call on the Network. **(To Check Mobility)**

***The Figures Marked in **Red** are below the QoS requirement

***The Figures marked in **Green** are above the QoS requirement