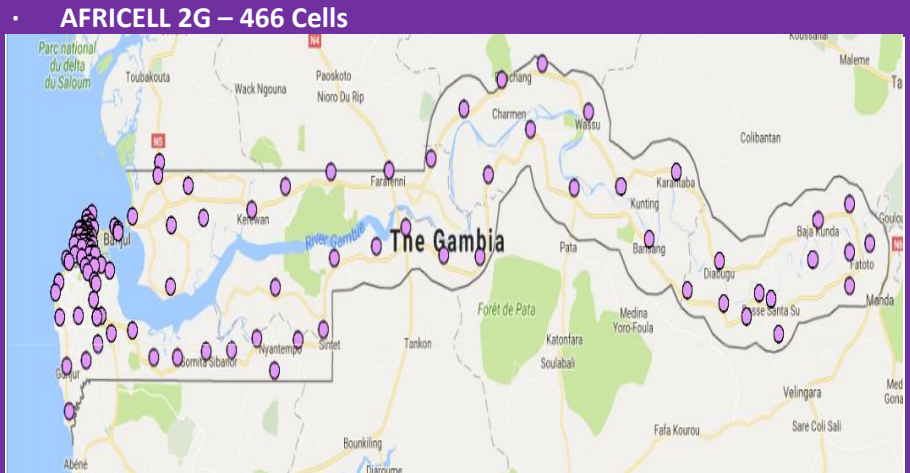


# June 2017 Mobile Operators' 2G Quality of Service (QoS) Performance Report



	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	96.58%	95.93%	0.66%	98.64%
CRR	95.10%	94.17%	0.98%	97.75%
LRR	94.61%	93.81%	0.85%	97.64%
NBR	93.48%	92.53%	1.01%	97.30%
URR	95.77%	94.43%	1.40%	98.57%
WCR	94.14%	93.15%	1.06%	97.04%

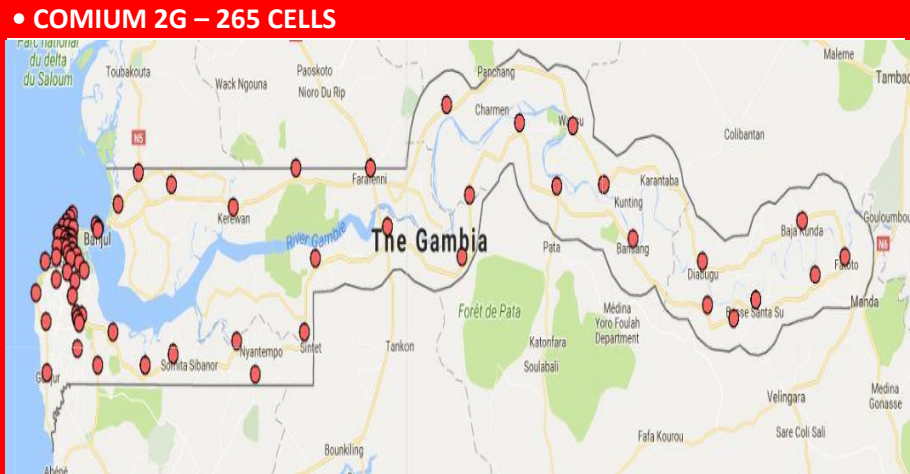
## AFRICELL 2G Coverage Map



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	96.67%	94.85%	1.88%	96.76%
CRR	94.87%	93.00%	1.97%	96.54%
LRR	96.14%	93.52%	2.72%	96.68%
NBR	92.76%	90.06%	2.93%	92.91%
URR	92.94%	90.83%	2.29%	97.73%
WCR	90.04%	87.29%	3.02%	92.36%

## COMIUM 2G Coverage Map



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

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

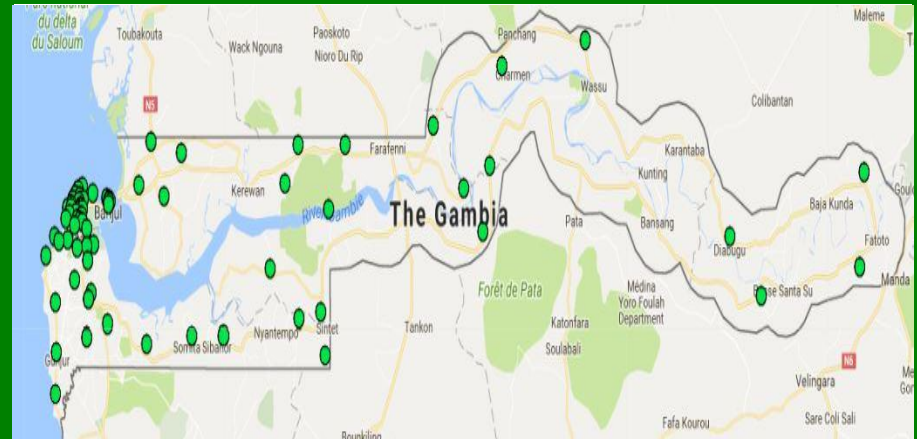
# June 2017 Mobile Operators' 2G Quality of Service (QoS) Performance Report



	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	97.24%	96.84%	0.40%	98.71%
CRR	98.00%	94.74%	3.33%	94.65%
LRR	98.31%	95.78%	2.57%	95.49%
NBR	87.35%	84.91%	2.69%	61.97%
URR	90.76%	86.26%	5.12%	94.94%
WCR	96.09%	93.67%	2.51%	94.98%

## 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	93.94%	93.04%	0.95%	91.67%
CRR	92.91%	92.00%	0.98%	96.05%
LRR	92.70%	91.27%	1.55%	94.22%
NBR	85.77%	84.98%	0.95%	93.30%
URR	84.87%	84.09%	0.89%	90.11%
WCR	88.25%	87.10%	1.31%	90.86%

## 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

## June 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