

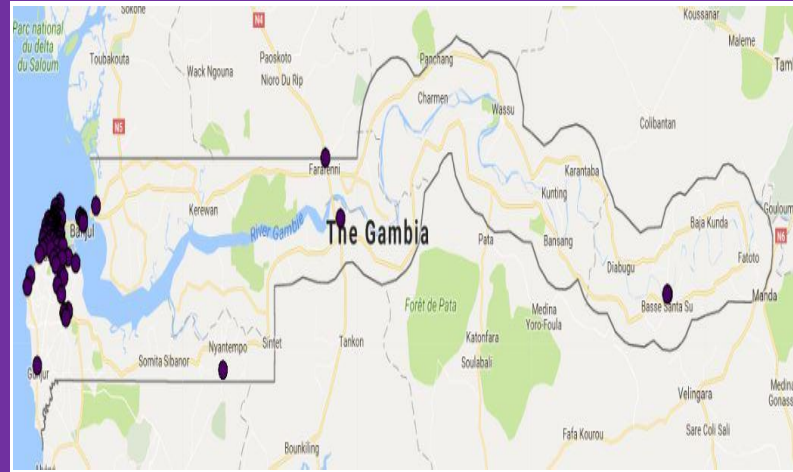
May 2017 3G Mobile Operators' 3G Quality of Service (QoS) Performance Report



	ACCESSIBILITY		RETAINABILITY		MOBILITY
Threshold	>=95%		>=95%	<=2%	>=95%
REGION	CS voice Call Setup Success Rate @ BH	PS Call Setup Success Rate @ BH	CS voice Call Drop Rate @ BH	PS Call Drop Rate @ BH	Soft HO Success Rate @ BH
GBA	98.68%	93.59%	0.18%	4.97%	99.93%
CRR	NO 3G COVERAGE IN THIS REGION				
LRR	99.35%	87.69%	0.15%	22.83%	99.97%
NBR	99.03%	98.98%	0.19%	15.73%	99.98%
URR	99.06%	98.83%	0.28%	24.28%	99.97%
WCR	97.97%	98.44%	0.35%	8.71%	99.92%

AFRICELL 3G Coverage Map

AFRICELL 3G – 613 Cells



	ACCESSIBILITY		RETAINABILITY		MOBILITY
Threshold	>=95%		>=95%	<=2%	>=95%
REGION	CS voice Call Setup Success Rate @ BH	PS Call Setup Success Rate @ BH	CS voice Call Drop Rate @ BH	PS Call Drop Rate @ BH	Soft HO Success Rate @ BH
GBA	NO 3G COVERAGE IN THIS REGION				
CRR	NO 3G COVERAGE IN THIS REGION				
LRR	NO 3G COVERAGE IN THIS REGION				
NBR	NO 3G COVERAGE IN THIS REGION				
URR	NO 3G COVERAGE IN THIS REGION				
WCR	NO 3G COVERAGE IN THIS REGION				

NO 3G COVERAGE

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

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

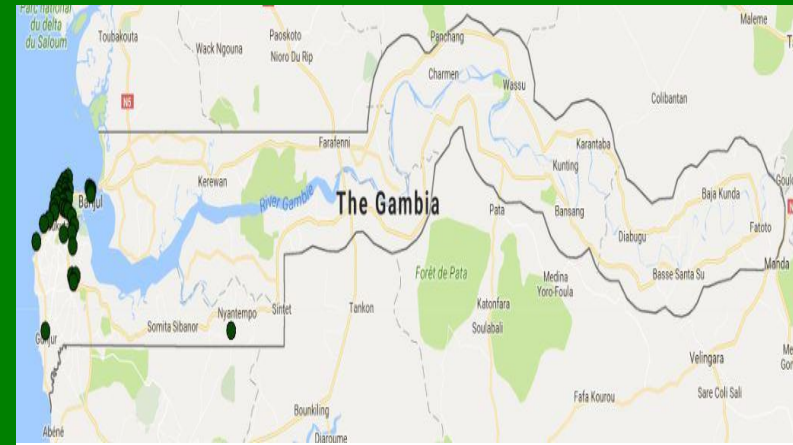
May 2017 3G Mobile Operators' 3G Quality of Service (QoS) Performance Reprt



	ACCESSIBILITY		RETAINABILITY		MOBILITY
Threshold	>=95%		>=95%	<=2%	>=95%
REGION	CS voice Call Setup Success Rate @ BH	PS Call Setup Success Rate @ BH	CS voice Call Drop Rate @ BH	PS Call Drop Rate @ BH	Soft HO Success Rate @ BH
GBA	96.70%	98.76%	0.86%	0.48%	99.90%
CRR	NO 3G COVERAGE IN THIS REGION				
LRR	NO 3G COVERAGE IN THIS REGION				
NBR	NO 3G COVERAGE IN THIS REGION				
URR	NO 3G COVERAGE IN THIS REGION				
WCR	81.10%	99.27%	1.23%	0.52%	99.77%

GAMCEL 3G Coverage Map

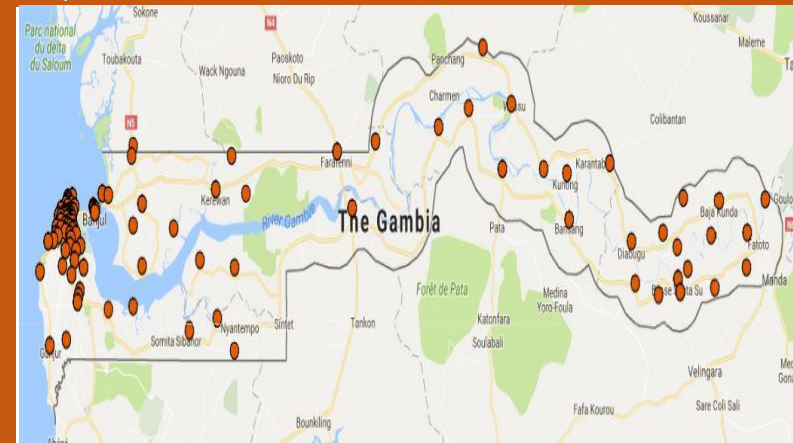
• GAMCEL 3G – 152 CELLS



	ACCESSIBILITY		RETAINABILITY		MOBILITY
Threshold	>=95%		>=95%	<=2%	>=95%
REGION	CS voice Call Setup Success Rate @ BH	PS Call Setup Success Rate @ BH	CS voice Call Drop Rate @ BH	PS Call Drop Rate @ BH	Soft HO Success Rate @ BH
GBA	98.08%	99.49%	0.88%	0.85%	99.83%
CRR	99.52%	86.03%	0.41%	0.70%	99.95%
LRR	99.69%	98.84%	0.28%	0.88%	99.97%
NBR	97.43%	95.26%	0.45%	1.14%	99.97%
URR	96.69%	78.18%	0.71%	1.50%	99.96%
WCR	92.19%	97.81%	2.81%	1.00%	99.76%

QCELL 3G Coverage Map

• QCELL 3G – 592 CELLS



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Performance Indicators Definition

- ❖ Call Setup Success Rate (CSSR)– This indicator is used to measure the percentage of calls successfully established without facing blockage in the network as a ratio of the total number of call attempts made to access and establish a voice call. **(To check network accessibility)**
- ❖ Call Drop Rate (CDR) – This indicator is used to measure the percentage of calls dropped due to technical problems or coverage gaps in the service provider’s network as a ratio of the total number of calls successfully established. **(To check network retain-ability)**
- ❖ Call Success Rate (CSR) – This indicator is used to measure the percentage of calls successfully established without facing blockage in the network as a ratio 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 this indicator is used to measure call moving between cells to continue conversation and prevent drop call on the Network. **(To Check Mobility)**

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