

April 2017 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	98.84%	98.95%	0.20%	4.81%	99.93%
CRR	NO 3G COVERAGE IN THIS REGION				
LRR	95.47%	89.89%	0.34%	24.23%	99.93%
NBR	99.34%	93.18%	0.20%	26.62%	99.98%
URR	99.11%	99.00%	0.20%	18.83%	99.97%
WCR	98.10%	98.72%	0.39%	13.89%	99.91%

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

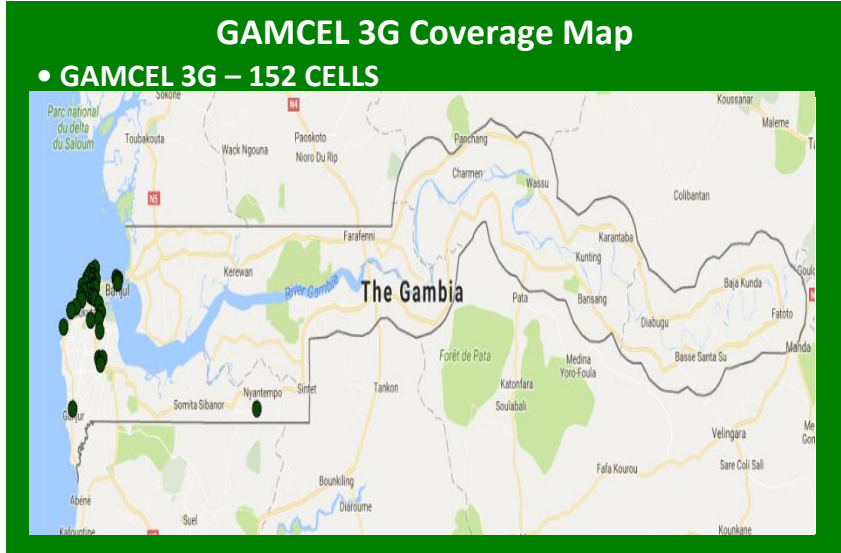
***The Figures Marked in **Red** are below the QoS requirement

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

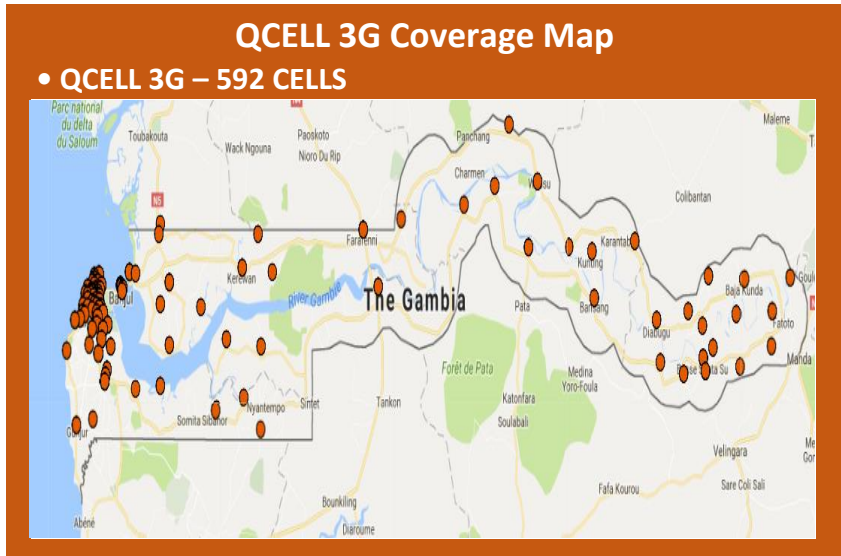
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	ACCESSIBILITY		RETAINABILITY		MOBILITY
Threshold	>=95%		>=95%	<=2%	>=95%
REGION	CS voice Call Setup Success Rate @ BH	PS Call Setup Success Rate @ BH	CS voice Call Drop Rate @ BH	PS Call Drop Rate @ BH	Soft HO Success Rate @ BH
GBA	98.37%	98.75%	0.71%	0.35%	99.91%
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	90.19%	99.33%	1.56%	0.36%	99.53%



	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	95.72%	99.32%	1.10%	0.73%	99.79%
CRR	99.51%	86.43%	0.46%	0.83%	99.96%
LRR	99.44%	98.27%	0.34%	1.02%	99.96%
NBR	93.24%	93.20%	0.72%	1.22%	99.95%
URR	90.95%	69.38%	1.00%	1.23%	99.96%
WCR	90.13%	88.91%	3.30%	0.99%	99.72%



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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)**

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