

NIGERIAN COMMUNICATIONS COMMISSION

REPORT ON THE QUALITY OF SERVICE KEY PERFORMANCE INDICATORS

December 19, 2011

Quality of Service Key Performance Indicators ANNUAL REPORT January –November 2011 GSM									
MTN	Improvement	Good	Improvement	Good	Improvement	Improvement			
GLOBACOM	Fluctuations	Poor	Good	Good	Slight Decay	Improvement			
ETISALAT	Good	Good	Poor	Good	Good	Good			
AIRTEL	Improvement	Good	Poor	Good	Improvement	Improvement			
			CDMA						
Company	CSSR	TCH Cong	DCR	PSR	CCR	Overall			
						Assessment			
VISAFONE	Excellent	Excellent	-	Improvement	Excellent	Excellent			
STARCOMMS	Improvement	Good	Good	Good	Poor	Improvement			
ZOOM	Fluctuations	Fluctuations	Fluctuations	Poor	Fluctuations with improvement	Fluctuations			
MULTILINKS	Mostly Steady below threshold	Good	Good	Mostly steady below threshold	Mostly steady below threshold	Improvement			

Attention

In the attached assessment:

1. Improvement does not mean the new key performance indicator threshold is met; it meant that the trend to reach the threshold is progressing towards the set target of the indicator taking into consideration the challenges the operators are facing today.

- 2. Decay means the Performance Indicator concerned is slightly worse than in the previous month
- 3. Poor means the Indicator is consistently poor
- 4. Fluctuations means the Performance Indicator is consistently changing always below the set target
- 5. For more information on the Quality of Service Key Performance Indications, go to the Nigerian Communications Commission web-site at:

ncc.gov.ng

Under Technical Standards and Network Integrity Department

The definition of the Key Performance Indicators with the set thresholds is given in the table below:

	Key Performance Indicator	Accronym	Definitions	Target (%)					
	GSM Operators								
1	CSSR Call Setup Success Rate	CSSR	Number of the unblocked call attempts divided by the total number of call attempts. Or (1 - Blocking Probability) x 100%	≥98%					
2	Traffic Channel Congestion (with and without Handover).	TCHCon	Is the ratio of the number of unsuccessful TCH requests to the total number of TCH request attempts expressed as percentage	≤2% WOH ≤4% WHO					
3	Call Drop Rate.	CDR	Is the number of dropped calls divided by the total number of call attempts Or (1 - Call Completion Ratio) x 100%	≤2%					
4	Call Completion Rate	CCR	is the ratio of successfully completed calls to the total number of attempted calls	≥96%					
5	Standalone Dedicated Control Channel	SDCCH	Is a logical signalling channel that is used for call set-up. Once a call is successfully setup SDCCH is released and RTCH is assigned for the	≤1%					

			conversation.						
	CDMA Operators								
1	divided by the total r		Number of the unblocked call attempts divided by the total number of call attempts. Or (1 - Blocking Probability) x 100%	≥98%					
2	Traffic Channel Congestion	TCHCon	Is the ratio of the number of unsuccessful TCH requests to the total number of TCH request attempts expressed as percentage	≤2% WOH ≤4% WHO					
3	Call Drop Rate.	CDR	is the number of dropped calls divided by the total number of call attempts. Or (1 - Call Completion Ratio) x 100%	≤2%					
4	Call Completion Rate	CCR	is the ratio of successfully completed calls to the total number of attempted calls	≥96%					
5	Paging Success Rate	PSR	It measures the page response acceptance rate when the MSC/VLR believes that the mobile is in the coverage area and pages the mobile to find the terminating mobile party to complete the incoming call.	≥98%					

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