



2021 QUARTER TWO (Q2) QUALITY OF SERVICE REPORT FOR ACCESS COMMUNICATIONS LIMITED (ACL)

1. INTRODUCTION

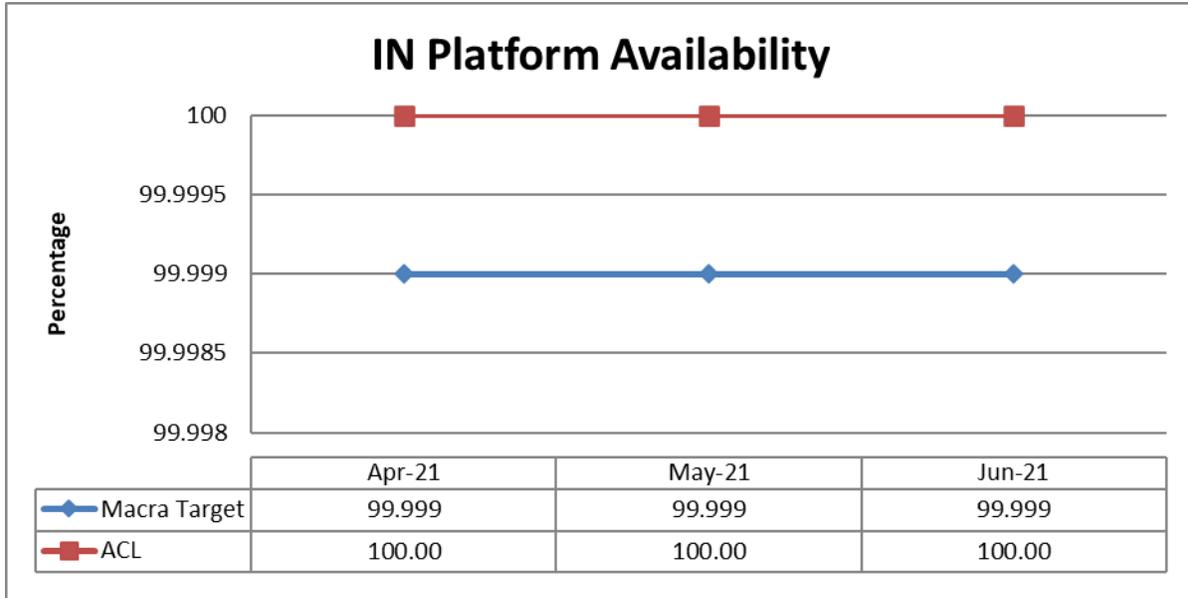
This report is an analysis of quarter TWO (April, May and June 2021) Quality of Service (QoS) Performance for Access Communications Limited.

The report focuses on eleven (11) Key Performance Indicators: IN Platform Availability, Call Setup Success Rate, EVDO Context Activation Success Rate, Call Drop Rate, Handover Success Rate, Traffic Channel Congestion, Trunk Congestion, 1X Packet Call Setup Success Rate, Radio Availability, MSC Availability and SMS success rate.

The report highlights the QoS Performance as per the already analysed data that was submitted by Access Communications Limited (ACL). It must be noted that currently, MACRA does not have proper tools to independently verify what has been submitted by an operator. However, the Authority will be capable of verifying this data once the CIRMS has been rolled out.

2. KEY PERFORMANCE INDICATORS

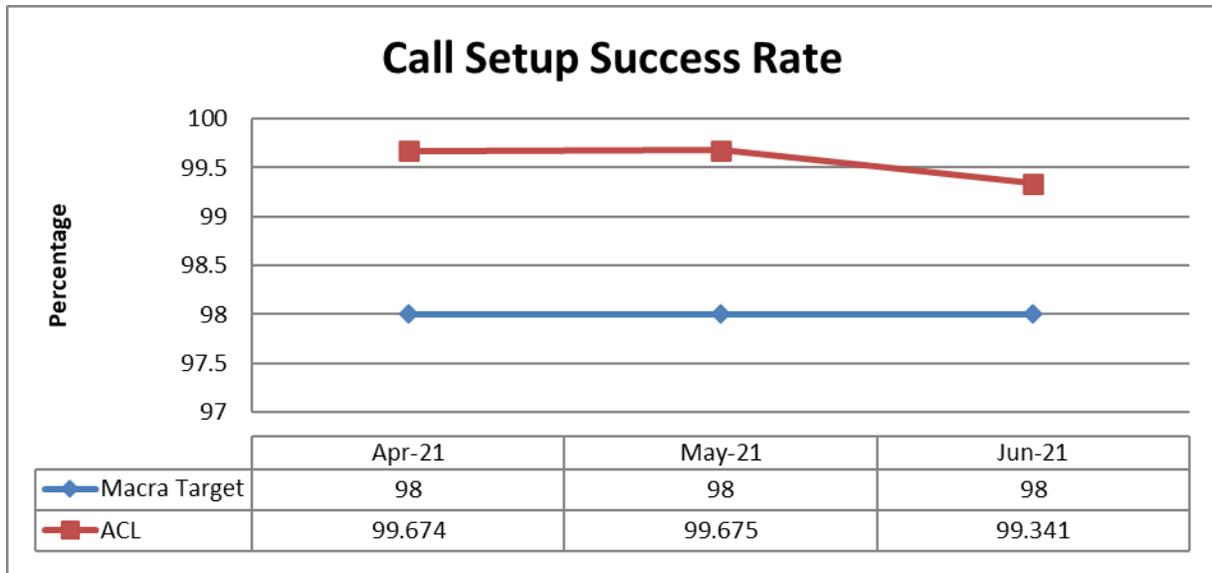
2.1 IN PLATFORM AVAILABILITY



Graph 1 showing IN Platform Availability

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above.

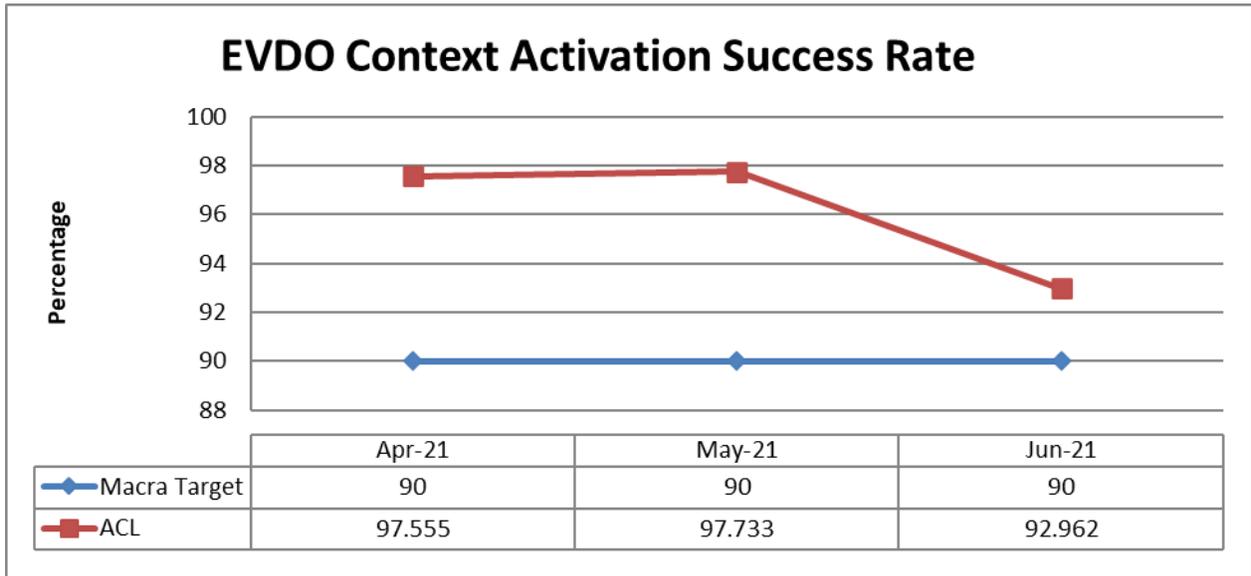
2.2 CALL SET UP SUCCESS RATE



Graph 2 Showing Call Setup Success Rate

NOTE: ACL managed to meet MACRA’s target during the whole period under review, though there was a slight drop during the month of June as shown in the graph above.

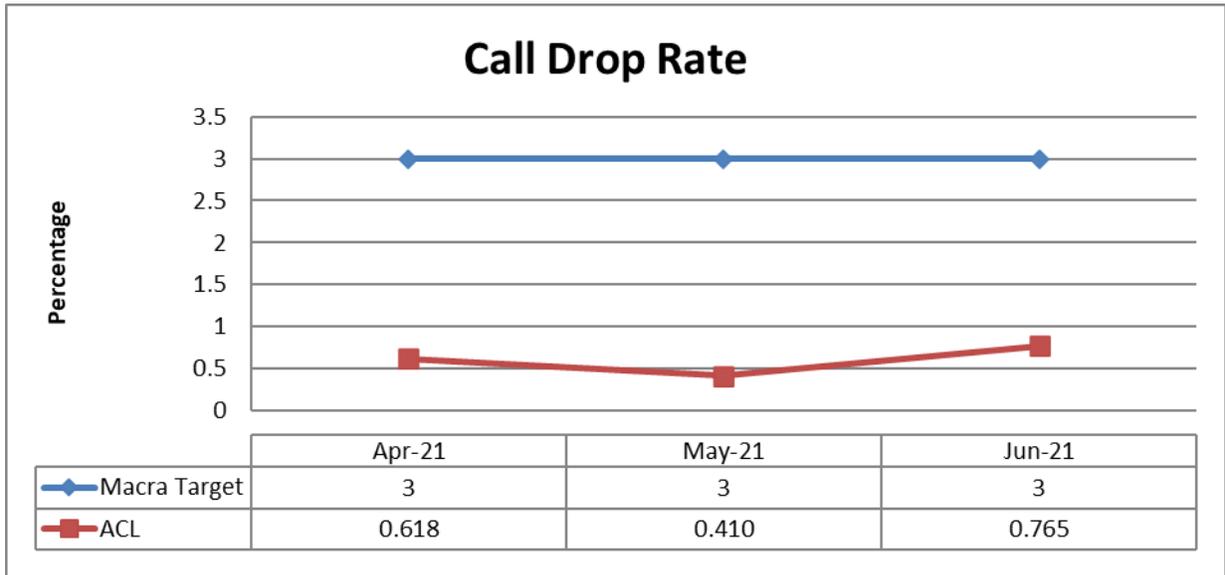
2.3 EVDO CONTEXT ACTIVATION SUCCESS RATE



Graph 3 Showing EVDO Context Activation Success Rate

NOTE: ACL managed to meet the target during the period under review as shown in the graph above but needs to improve in their performance since the quality of service is deteriorating as shown during the month of June

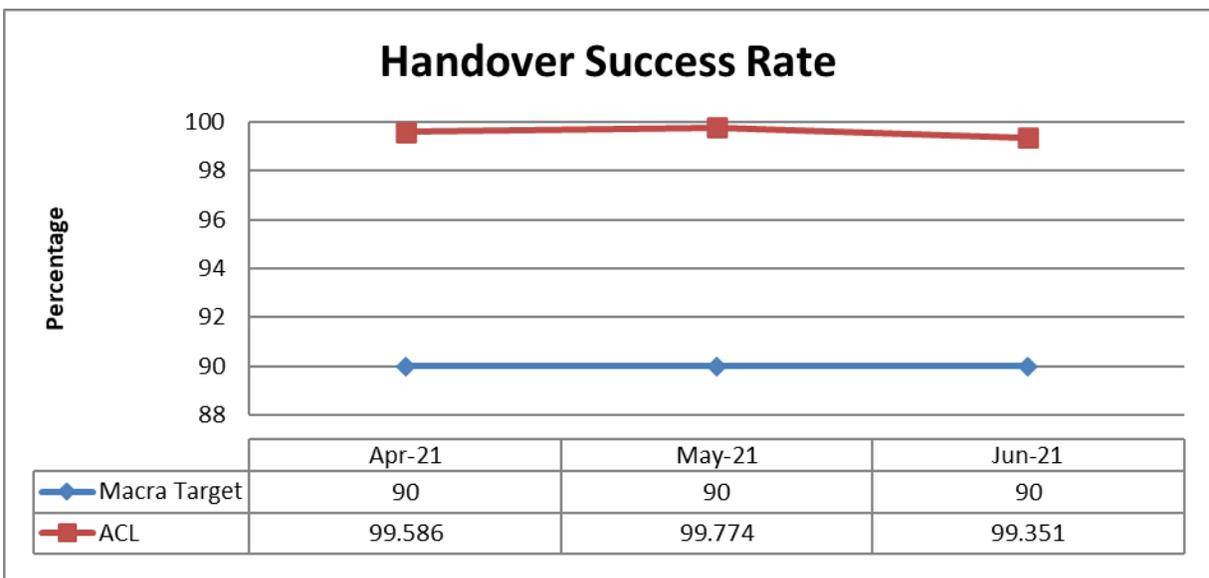
2.4 CALL DROP RATE (CDR)



Graph 4 Showing Call Drop Rate

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above.

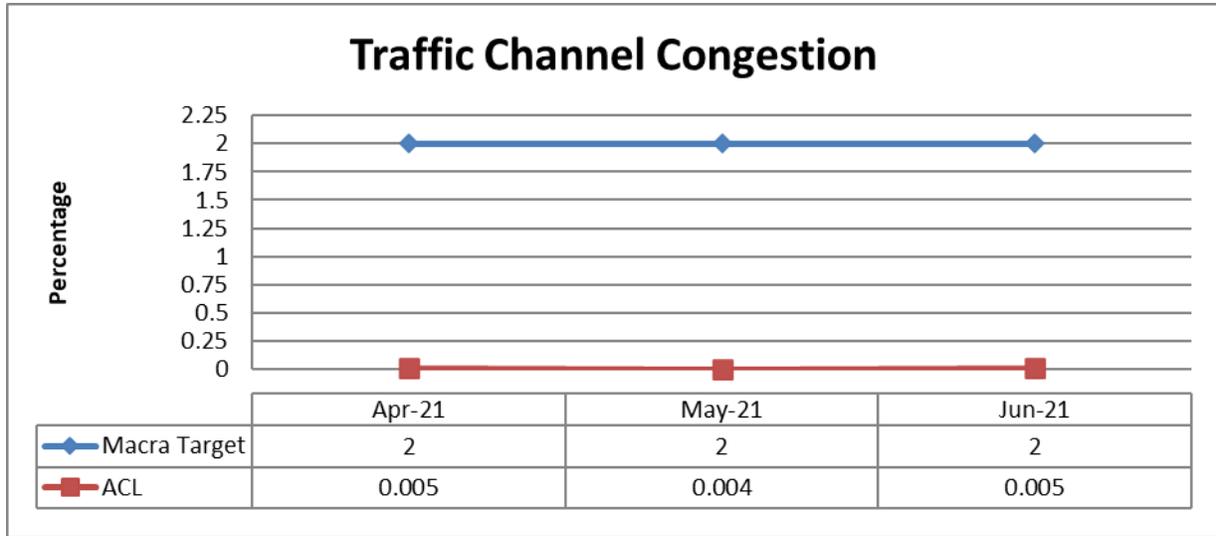
2.5 HANDOVER SUCCESS RATE



Graph 5 Showing Soft Handover Success Rate

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above.

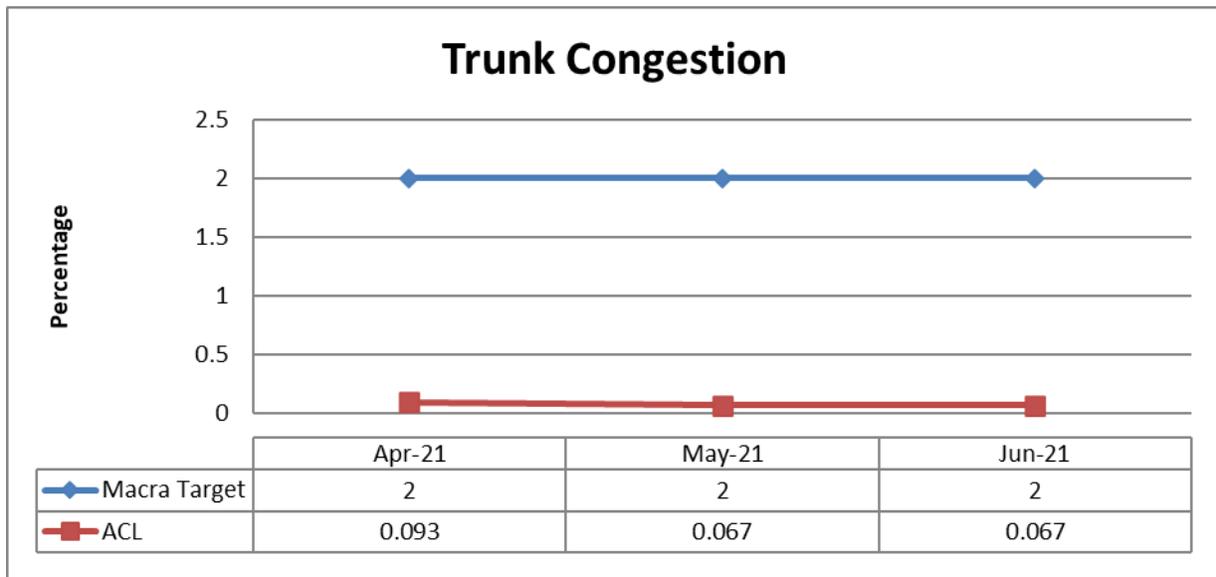
2.6 TRAFFIC CHANNEL CONGESTION



Graph 6 Showing Traffic Channel Congestion

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above.

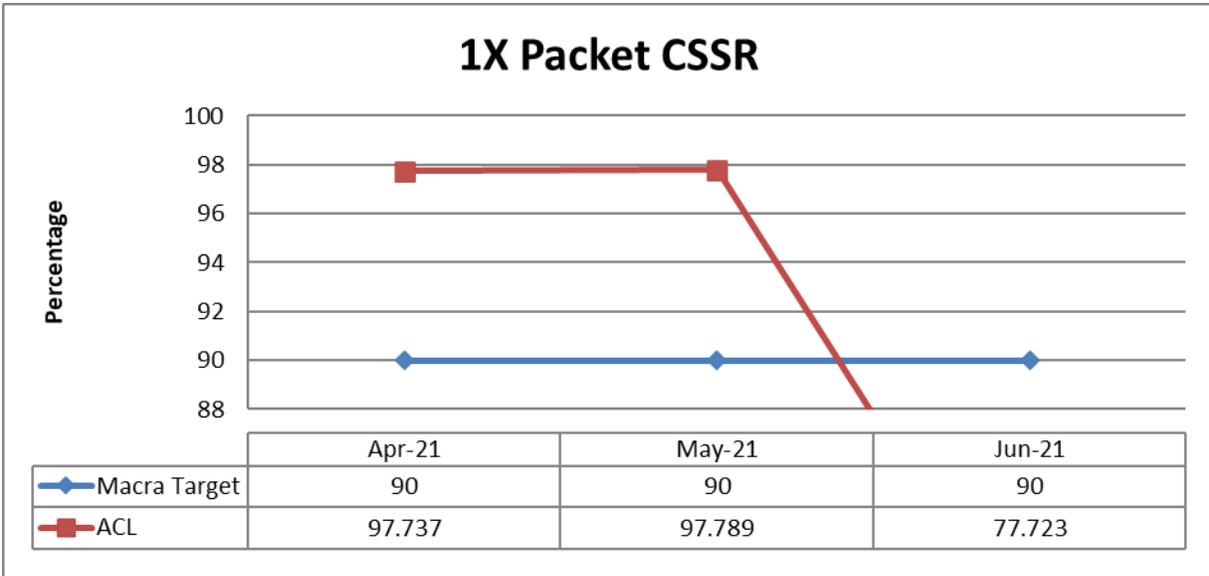
2.7 TRUNK CONGESTION



Graph 7 Showing Trunk Congestion

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above.

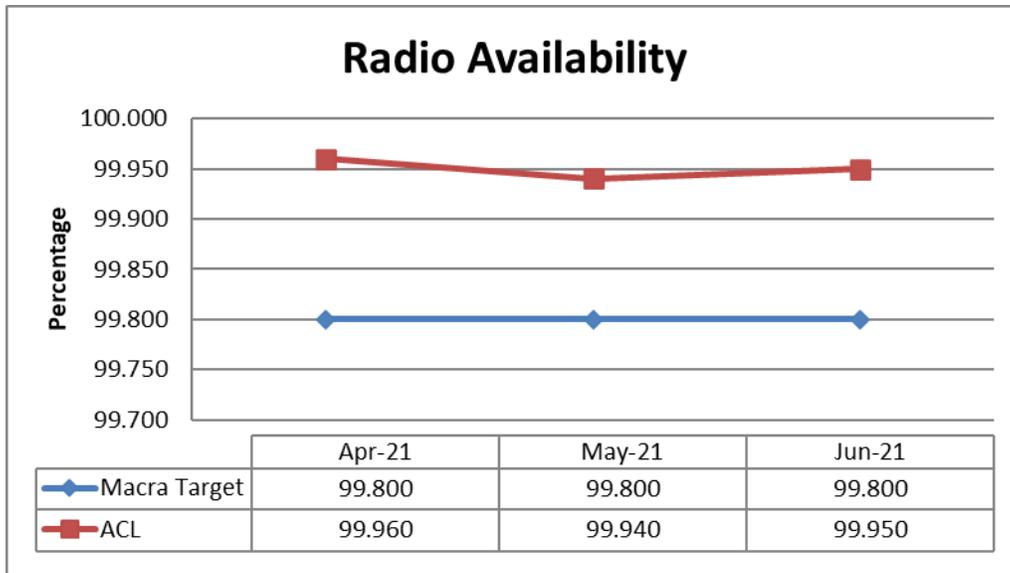
2.8 1X PACKET CALL SET UP SUCCESS RATE



Graph 8 Showing 1x Packet Call Set up Success Rate

NOTE: ACL managed to meet MACRA’s target during the months of April and May but failed during the month of June as shown in the graph above.

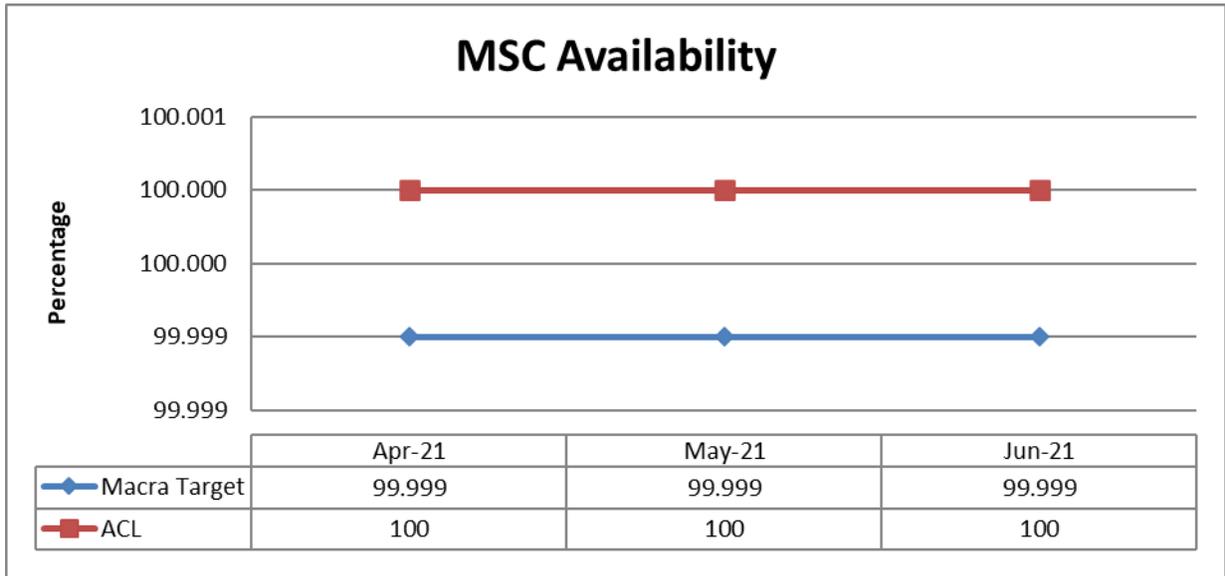
2.9 RADIO AVAILABILITY



Graph 9 Showing Radio Network Availability

NOTE: ACL managed to meet MACRA’s target during the period under review as shown in the graph above

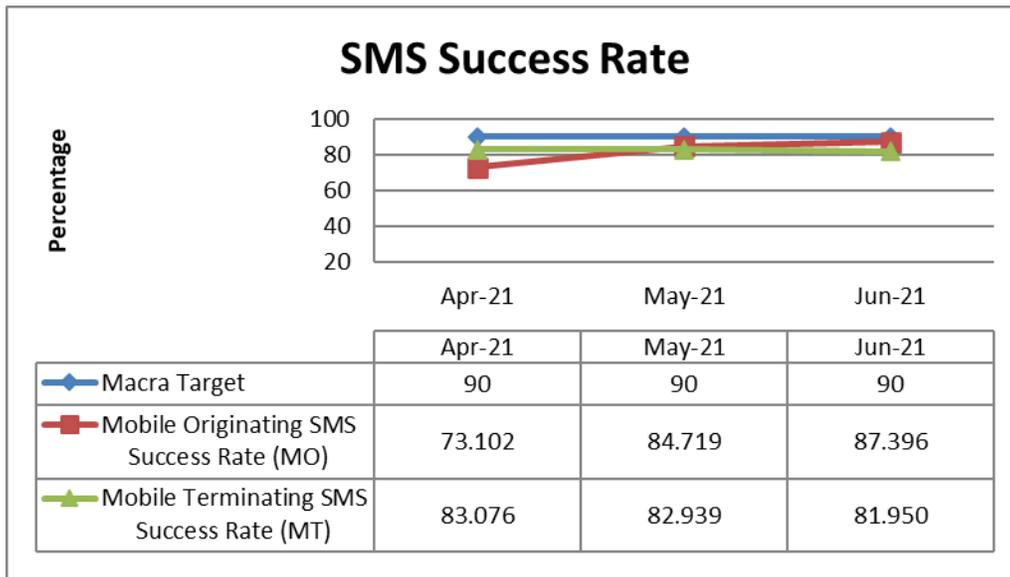
2.10 MSC AVAILABILITY



Graph 10 Showing MSC Availability

NOTE: ACL managed to meet MACRA target during the period under review as shown in the graph above.

2.11 SMS SUCCESS RATE



Graph 11 Showing SMS Success Rate

NOTE: From the graph above, it can be seen that ACL failed to meet MACRA target for both **Mobile Originating SMS Success Rate(MO)** and **Mobile Terminating SMS Success Rate (MT)** for the whole period under review.

3 CONCLUSION

ACL needs to be commended for all the key performance indicators' targets it managed to meet within the quarter under review.

ACL needs to improve on SMS Success Rate (**both Mobile Originating SMS Success Rate(MO) and Mobile Terminating SMS Success Rate (MT)**) and 1X Packet CSSR as its performance in these Key Performance Indicators were below acceptable levels.