



REPUBLIC OF THE PHILIPPINES
NATIONAL TELECOMMUNICATIONS COMMISSION
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MAY 19, 2022

OFFICE ORDER NO. 053-05-2022

SUBJECT : AMENDMENT TO OFFICE ORDER 121-10-2018 AND GUIDELINES IN THE UTILIZATION AND REPORTING FORMAT OF RAPIDLY DEPLOYABLE COMMUNICATION SYSTEM (RDCS), MULTI-BAND NETWORK SCANNING RECEIVER (MNSR), AND POST-PROCESSING TOOL (PPT)

In the interest of the service and to address the Audit Observation Memorandum on the utilization of the Rapidly Deployable Communication System (RDCS), Multi-Band Network Scanning Receiver (MNSR), and Post Processing Tool (PPT) and to enhance and optimize the conduct of fixed and mobile benchmarking systems as a platform to test the quality of service and coverage of broadband service nationwide, the following guidelines on the utilization of the said equipment and amendment to Office Order 121-10-2018 is hereby issued:

A. RAPIDLY DEPLOYABLE COMMUNICATION SYSTEMS (RDCS)

RDCS is intended as an alternate communication facility at “ground-zero” in the event of a natural disaster, calamity, or emergency to augment the much-needed communication links among responders especially when commercial communication systems are unavailable. However, to optimize its usage it can also be utilized during mobile licensing, inspection, and special events where fast and readily available communication support is needed.

Whenever RDCS is utilized a written report should be submitted to the Corporate Planning and Programming Division detailing the beneficiaries, period, and purpose it was used.

B. MULTI-BAND NETWORK SCANNING RECEIVER (MNSR), AND POST PROCESSING TOOL (PPT)

MNSR is a drive test mobile scanner intended to detect RF parameters being broadcast by cell sites in various technologies such as 2G, 3G, 4G, and 5G (once keycode for 5G becomes available). Test outputs of MNSR include frequency band occupied by various Public Telecommunications Entities (PTEs), the technology used, and coverage and signal quality analysis among others.

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Reporting on the utilization of MNSR-PPT will be incorporated into the NETMESH data for coverage and signal quality unless used for another purpose such as monitoring illegal use of frequency and interference complaints, a report should be submitted to CPPD detailing the activity performed including its outcome.

C. BROADBAND NETWORK MEASURING APPLICATIONS

To address other issues in the conduct of broadband benchmarking, an amendment to the existing standard method, procedures, and reporting of the conduct of validation and measurement of wireless broadband issued under Office Order No. 121-10-2018 is as follows:

1. NETMESH Project shall be used as the platform for broadband validation and measuring user experience. The test measurement results are automatically stored in the Netmesh Result Server. The NTC Netmesh Project is undergoing enhancement to include certain information in the speed test result format.
2. Results of validation measurement shall be downloaded from the ASTI Server whenever applicable, otherwise, the user shall manually encode the data required in the harmonized report format until the enhancement in the NTC Netmesh Project is completed. The prescribed harmonized format is herein attached as Annex "A" for the broadband benchmarking measuring application to include the following information to be submitted to the Industry Planning and Management Branch (IPMB) at industry.planning@ntc.gov.ph (softcopy in excel format) copy furnish the Corporate Planning and Programming Division thru corp.planning@ntc.gov.ph every 5th day of the following month:
 - Geographically Disaggregated – Region/Province/Municipality/Baranggay
 - Date and time of the activity
 - Service Provider
 - Type of Technology
 - Speed - (Download And Upload in Mbps)
 - Signal Strength (in dBm)
 - Remarks (Signal strength equivalency shall follow item #6 of Office Order No. 121-10-2018)
3. The methods/procedure of measurement under Office Order No. 121-10-2018 for the measurement of broadband speed and signal strength shall be followed except for item #4 where test or measurement shall be performed three (3) test iterations per testing cycle per barangay to be conducted in public places such as barangay hall, public school, etc.

4. All Regional Offices are required to update their respective statistics on mobile broadband to include network coverage and available technology to determine underserved and unserved areas.

This Order shall take effect immediately and any order, memorandum, circular, or instruction that is inconsistent herewith, is considered superseded or amended accordingly.

For compliance.



GAMALIEL A. CORDOBA
Commissioner



EVT/sop
PFMB/CPPD/usage guidelines_ict projects

Annex "A"

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