



REPUBLIC OF THE PHILIPPINES
NATIONAL TELECOMMUNICATIONS COMMISSION
NTC Building, BIR Road, East Triangle, Diliman, Quezon City 1104
Email: ntc@ntc.gov.ph; website: <http://www.ntc.gov.ph>

01 October 2018

OFFICE ORDER NO.: 121-10-2018

Subject : Standard Methods, Procedures and Reporting in the Conduct of Validation and Measurement of Broadband Speed

In the interest of the service and in compliance with the 2018 Approved Organizational Outcome Indicators/Targets, specifically on the increased broadband speed at just and reasonable rates, herewith are the standard methods, procedures and reporting to be followed in the conduct of validation and measurement.

Methods / Procedures of Measurement:

1. Using smart cellular phones with "android" as their operating system, install the available speed test and signal strength measuring applications to be used in measuring the broadband speed and signal strength respectively.
2. There shall be no applications or programs running while measurements are being conducted.
3. Run the speed test and signal strength measuring applications and record the download and upload speed in mbps, and signal strength in dBm.
4. Repeat the measurement ten (10) times in different location within the vicinity of one (1) Barangay.
5. Register the average measured speed and signal strength in the prescribed format (Annex "A").
6. For signal strength equivalency, please refer below:

dBm Equivalent	Classification
-101 or less	Very Weak
-100 ... -91	Weak
-90 ... - 81	Average
-80 or more	Good

8. All Regional Offices are required to validate at least thirty (30) barangays per month.
9. Results of validation measurement (*soft and hard copies*) shall be forwarded to the Corporate Planning and Programming Division (soft copy in excel format: corp.planning@ntc.com.ph) every 5th day of the following month.

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effect immediately and any order, memorandum, circular or instruction which is inconsistent herewith, is considered superseded or amended accordingly.

For compliance.



GAMALIEL A. CORDOBA
Commissioner

PFMB/cppd_validation_procedure



Broadband Speed Validation

Location					Date (mm dd, yyyy)	Time	GLOBE						SMART					
No	Region	Province	Municipality	Barangay			3G			4G			3G			4G		
							Signal Strength (dBm)	Remarks	DL (Mbps)	UL (Mbps)	Signal Strength (dBm)	Remarks	DL (Mbps)	UL (Mbps)	Signal Strength (dBm)	Remarks	DL (Mbps)	UL (Mbps)
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