**3GPP TSG-RAN WG4 Meeting #111 R4-2410280**

**Fukuoka, Japan, May 20 – 24, 2024**

**Agenda item:** 7.14.3

**Source:** Apple

**Title:** WF on R18 Further NR mobility enhancement - part 2

**Document for:** Approval

# Core part maintenance

**Issue 1-2: applicability of validity check based on measurement obtained in CONNECTED mode before UE enters IDLE/INACTIVE mode**

Agreement:

* For the validity check, it is up to UE implementation whether/how to utilize the measurement which was performed during CONNECTED mode before UE enters IDLE/INACTIVE mode.
* No spec change for the above agreement.

# Performance part

**Issue 2-1: test scope of solution based on existing measurement for validity check**

Agreement:

* RAN4 to introduce TC for non-EMR UE based on the understanding that RAN2 will define the corresponding signalling.
* RAN4 can discuss the CR for the TC, and the signaling in the TC is subject to RAN2 agreement.

**Issue 2-2: test purpose for solution based on existing measurement for validity check**

Agreement:

* For EMR, TC will verify UE does not send measurement report which exceeds X second before paging reception.
* For non-EMR, TC will verify
  + UE send measurement report which is within X second before [paging reception].
  + UE does not send measurement report which exceeds X second before [paging reception] if it is feasible for the testing.

**Issue 2-3: test configuration/procedure for solution based on existing measurement for validity check**

Agreement:

A screenshot of a test

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a test

Description automatically generated

**Issue 2-4: whether to define a test case where X is not configured**

Agreement:

* Timer X is always configured in all test cases for validity check.