**3GPP TSG-RAN5 Meeting #107Draft R5-252127r1**

**Malta, MT, 19th May 2025 – 23rd May 2025**

**3GPP TSG RAN Meeting #108RP-25xxxx**

**Prague, CZ, 9th June 2025 – 13rd June 2025**

**Source: China Telecom, MediaTek**

**Title: New WID on UE Conformance – MPS when access to EPC/5GC is WLAN**

**Document for: Endorsement**

**Agenda Item: 4.1**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: UE Conformance – MPS when access to EPC/5GC is WLAN

Acronym: MPS\_WLAN-UEConTest

Unique identifier:

|  |  |
| --- | --- |
| **This WID includes a Testing part** | **X** |
| **and it addresses the following 3GPP work area:** | **Radio Access** |  |
| **Core Network** | **X** |
| **Services** |  |

Potential target Release: *Rel-18*

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Affects:** | UICC apps | ME | AN | CN | Others (specify) |
| **Yes** |  |  |  |  |  |
| **No** | X | X | X | X |  |
| **Don't know** |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

### 2.1 Primary classification

This description is a

|  |
| --- |
| Normative Work Item:*tick applicable boxes below* |
|  | Stage 1 |
|  | Stage 2 |
|  | Stage 3 |
| X | Other (e.g. testing) |

### 2.2 Parent Work Item

For a brand-new topic, use “N/A” in the table below. Otherwise indicate the parent Work Item.

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| MPS\_WLAN | CT1 | 1000021 | CT1 aspects of MPS when access to EPC/5GC is WLAN |

### 2.3 Other related Work Items and dependencies

|  |
| --- |
| Other related Work/Study Items (if any) |
| **Acronym** | Unique ID | Title | Nature of relationship |
|  |  |  |  |
|  |  |  |  |

# 3 Justification

MPS(Multimedia Priority Service) provides priority treatment to increase the probability of an authorized Service User’s Voice, Video, Data and Messaging communication being successful during network congestion or high-load scenarios which has been supported in 3GPP network.With the widespread global commercialization of VoWiFi (Voice over Wi-Fi), non-3GPP access has become a vital supplement to cellular network. In some cases, non-3GPP access may be the only available network (e.g., inside buildings, hotels, airports, malls and stadiums). There is a need to support MPS communications when the access to the EPC/5GC is WLAN, and the related specifications were defined in Rel-18.

The completion level of core part of the 3GPP Rel-18 MPS\_WLAN work item on CT1 had achieved 100% in March 2024. It’s a proper time for RAN5 to introduce an associated MPS\_WLAN RAN5 work item to enable UE conformance testing for Rel-18 new features.

# 4 Objective

### 4.1 Objective of SI or Core part WI or Testing part WI

The objective of this work item is to define the UE protocol conformance requirements to cover the new Rel-18 MPS\_WLAN capabilities to further extend the scenario that MPS\_WLAN can be supported and bring better performance.

# 5 Expected Output and Time scale

|  |
| --- |
| **New specifications**  |
| Type  | TS/TR number | Title | For info at TSG#  | For approval at TSG# | Remarks |
|  |  |  |  |  |  |

|  |
| --- |
| **Impacted existing TS/TR**  |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| 36.508 | Definition of common test environment for Rel-18 MPS\_WLAN configurations for LTE. | TSG RAN#111(Mar-26) |  |
| 36.523-1 | Introduction of signalling test cases for Rel-18 MPS\_WLAN for LTE | TSG RAN#111(Mar-26) |  |
| 36.523-2 | Introduction of test applicability for Rel-18 MPS\_WLAN for LTE | TSG RAN#111(Mar-26) |  |
| 36.523-3 | Introduction of test model for Rel-18 MPS\_WLAN for LTE | TSG RAN#111(Mar-26) | Progress of TTCN development of the new protocol test cases is tracked in MCC TF160 reports to RAN5/RAN. |
| 38.508-1 | Definition of common test environment for Rel-18 MPS\_WLAN configurations for NR | TSG RAN#111(Mar-26) |  |
| 38.508-2 | Definition of implementation capabilities for Rel-18 MPS\_WLAN for NR | TSG RAN#111(Mar-26) |  |
| 38.523-1 | Introduction of signalling test cases for Rel-18 MPS\_WLAN for NR | TSG RAN#111(Mar-26) |  |
| 38.523-2 | Introduction of test applicability for Rel-18 MPS\_WLAN for NR | TSG RAN#111(Mar-26) |  |
| 38.523-3 | Introduction of test model for Rel-18 MPS\_WLAN for NR | TSG RAN#111(Mar-26) | Progress of TTCN development of the new protocol test cases is tracked in MCC TF160 reports to RAN5/RAN. |

# 6 Work item Rapporteur(s)

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# 7 Work item leadership

RAN5

# 8 Aspects that involve other WGs

None

# 9 Supporting Individual Members

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| --- |
| Supporting IM name |
| China Telecom |
| MediaTek |
| ZTE |
| CATT |
| AT&T |
| Verizon |
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