**3GPP TSG-RAN WG5 Meeting #103 Draft r1 R5-24xxxx**

**Fukuoka, Japan, 20-24 May, 2024**

**3GPP TSG RAN Meeting #104 RP-24xxxx**

**Shanghai, China, June 17-20, 2024**

**Source: China Telecom, ZTE, Media Tek**

**Title:** **Revised WID on** **UE Conformance - Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 2**

**Document for: Approval**

**Agenda Item: 13.1**

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](http://www.3gpp.org/ftp/Specs/html-info/21900.htm) [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

# Title: UE Conformance - Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 2

## Acronym: ATSSS\_Ph2-UEConTest

## Unique identifier: 1010050

|  |  |
| --- | --- |
| **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-17

## 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

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| ATSSS\_Ph2 | C1 | 910056 | CT aspects of Access Traffic Steering, Switch and Splitting support in the 5G system architecture; Phase 2 |
|  |  |  |  |
|  |  |  |  |

### 2.3 Other related Work Items and dependencies

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

# 3 Justification

In Rel-16, MA PDU was specified to enable the UE to be simultaneously connected to both 3GPP access and non-3GPP access both to 5GC, the 5G system is able to take advantage of these multiple accesses in a way that improves the user experience, optimizes the traffic distribution across various accesses, enables the provision of new high-data-rate services and achieve seamless handover between different accesses. In Rel-17, further enhancements had been specified to ATSSS to enable more new capabilities. A UE-assistance indication provisioned by the network for all potential steering modes functionality was introduced and UEs to establish an MA PDU session with a 3GPP access leg over EPC and a non-3GPP access leg over 5GC was allowed.

The completion level of core part of the 3GPP Rel-17 ATSSS work item on CT1 had achieved 100% in June 2022, and the Rel-16 ATSSS related testing specification had completed in May 2023. So it’s a proper time for RAN5 to introduce an associated ATSSS RAN5 work item to enable UE conformance testing for Rel-17 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-17 ATSSS capabilities to further extend the scenario that ATSSS 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 |
|  |  |  |  |
| 38.508-2 | Definition of physical implementation capabilities for Rel-17 ATSSS | TSG RAN#105(June-24) |  |
| 38.523-1 | Introduction of signalling test cases for Rel-17 ATSSS | TSG RAN#105(June-24) |  |
| 38.523-2 | Introduction of test applicability for Rel-17 ATSSS | TSG RAN#105(June-24) |  |
| 38.523-3 | Introduction of test model for Rel-17 ATSSS | TSG RAN#105(June-24) | 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 |
| ZTE Corporation |
| Media Tek |
| Huawei |
| Hisilicon |
| Verizon |
| Ericsson |
| CATT |
| AT&T |
| Lenovo |
| Motorola Mobility |
| Nokia |
| Nokia Shanghai Bell |
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