3GPP TSG CT WG3 Meeting #139 C3-250356

Athens, GR, 17 - 21 February, 2025 (revision of xx-yyxxxx)

**Source: Huawei**

**Title: New WID on Rel-19 Enhancements of SM Policy**

**Document for: Approval**

**Agenda Item: 19.2**

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: Rel-19 Enhancements of SM Policy

Acronym: SMPC19

Unique identifier: to be assigned

Potential target Release: Rel-19

# 1 Impacts

{For Normative work, identify the anticipated impacts. For a Study, identify the scope of the study}

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

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
|  | Study |
|  | Normative – Stage 1 |
|  | Normative – Stage 2 |
| X | Normative – Stage 3 |
|  | Normative – Other\* |

**\* Other = e.g. testing**

## 2.2 Parent Work Item

|  |  |  |  |
| --- | --- | --- | --- |
| Parent Work / Study Items | | | |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
|  |  |  |  |

### 2.3 Other related Work Items and dependencies

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
| [720005](http://www.3gpp.org/DynaReport/WiVsSpec--720005.htm) | New Services and Markets Technology Enablers | Stage 1 requirements |
| [700017](http://www.3gpp.org/DynaReport/WiVsSpec--700017.htm) | Study on Architecture and Security for next Generation System | Stage 2 architectural requirements conclusion, TR 23.799 |
| 750025 | CT aspects on 5G System - Phase 1 | Stage 3, Phase 1. |
| 970010 | Support for 5WWC Phase 2 | Stage 2 |
| 970069 | Support for Generic group management, exposure and communication enhancements | Stage 2 |

**Dependency on non-3GPP (draft) specification: N/A**

# 3 Justification

The Session Management Policy Control services and service procedures have been specified during the previous 3GPP releases.

During development of the above services, it has been identified that there is a need to apply technical improvements and enhancements (e.g. support the missed requirement in the previous releases, improve the signaling and processing efficiency, increase the flexibility, enhance the reliability, improve specification clarity, etc.), e.g., in the following areas:

- The handling of the precedence ;

- Update the PCRT for wireless and wireline convergence;

- Completion of the SM policy association procedures in the current specification.

# 4 Objective

The objective of this work item is to specify the stage 3 procedures related to the technical improvements identified for the following areas:

- Clarifications on the handling of the precedence.

- Complete for wireless and wireline convergence with missing feature (e.g., PCRT) limitation for already specified functionality.

- Completion of the SM policy association procedure in the current specification, e.g., correct and update descriptions of session management policy control missed in the previous 3GPP Releases, which are not covered by the other dedicated Rel-18 work items.

- Completion of the guidelines for SM policy overview;

- Update the procedure for SM Policy Association Management;

- Update the procedure for QoS Parameters Mapping;

# 5 Expected Output and Time scale

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| New specifications {One line per specification. Create/delete lines as needed} | | | | | |
| Type | TS/TR number | Title | For info  at TSG# | For approval at TSG# | Rapporteur |
|  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| 29.512 | * Optimizations to the handling of the precedence; * Complete the annex for wireless and wireline convergence | CT#109 (September 2025) | CT3 |
| 29.513 | * Update the procedure for SM Policy Association Management. * Potential updates to procedure for QoS Parameters Mapping. | CT#109 (September 2025) | CT3 |
| 29.519 | Potential update to the mechanism for trusted non-3GPP access. | CT#109 (September 2025) | CT3 |

# 6 Work item Rapporteur(s)

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# 7 Work item leadership

CT3

# 8 Aspects that involve other WGs

None

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Huawei |
| China Mobile |
| China Unicom |
| China Telecom |
| ZTE |
| Nokia |
| Ericsson |