3GPP TSG-CT WG3 Meeting #142 C3-253461

Gothenburg, SE, 25 - 29 August 2025 (revision of CP-250075)

**Source: CT3**

**Title: Revised 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: 1070005

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, e.g., Stage2 requirement defined in TS 23.503, TS 23.316, or Stage 3 requirement.

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 clarification on the presence condition of handling the precedence;

- Update the PCRT for wireless and wireline convergence;

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

- Correction and enhancement to the handling of content versions for PCC rules;

- Specify the N7 interface handling for GERAN/UTRAN interworking scenarios;

- Specify the QoS mapping for N5 and Rx interface;

- Enhancement to the DDN Event policy control handling;

- Correction to the charging information;

- Enhancement to RAT Type Change in 2G/3G interworking scenarios.

# 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 presence condition of handling 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-19 work items.

- Correction and enhancement to the handling of one or more content versions for PCC rules to avoid race conditions.

- Clarifications on the N7 interface handling for GERAN/UTRAN interworking, e.g., specify the provision of Default QoS, Session AMBR.

- Update the QoS mapping handling for MCPTT & MCVideo.

- Correction and enhancement to DDN Event policy control.

- Corrections to RAT Type Change in 2G/3G interworking scenarios

- Correction to the handling of charging information, clarifying the applicability of metering method for both online and offline charging.

# 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 | * Clarification on the handling of the precedence and content versions;
* Clarification on the handling of Default QoS & Session AMBR for GERAN/UTRAN interworking;
* Complete the annex for wireless and wireline convergence;
* Corrections to the DDN Event policy control;
* Corrections to the charging information.
 | CT#109 (September 2025) | CT3 |
| 29.513 | * Update the procedure for SM Policy Association Management;
* Updates to the procedure for QoS Parameters Mapping related to MCPTT & MCVideo;
* Corrections to the PCF-initiated policy association terminations.
 | CT#109 (September 2025) | CT3 |

# 6 Work item Rapporteur(s)

Chi Zhang, Huawei, margo.zhangchi@huawei.com

# 7 Work item leadership

CT3

# 8 Aspects that involve other WGs

None

# 9 Supporting Individual Members

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