**3GPP TSG-SA5 Meeting #143-e *S5-223432***

e-meeting, 9 - 17 May 2022 (revision of xx-yyxxxx)

**Source: Ericsson**

**Title: New WID on QoE Measurement collection automation support**

**Document for: Approval**

**Agenda Item: 6.2**

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: New WID on QoE Measurement collection automation support

Acronym: QoE\_AUTO

Unique identifier:

{A number to be provided by MCC at the plenary}

Potential target Release: Rel-18

# 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 | x |  |
| No |  |  |  |  |  |
| Don't know | X | X |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
| x | Feature |
|  | Building Block |
|  | *Work Task* |
|  | Study Item |

## 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

{List here other Work Items which relate to the proposed one, such as a Work Item in an earlier Release if further enhancing the feature from the previous Release)}

|  |  |  |
| --- | --- | --- |
| Other related Work /Study Items (if any) | | |
| Unique ID | Title | Nature of relationship |
| 870027 | Enhancement of QoE Measurement Collection | Rel-17 work item in SA5. |
| 940084 | Study on Artificial Intelligence (AI)/Machine Learning (ML) for NR Air Interface | Related study in RAN. |
|  |  |  |

# 3 Justification

RAN has implemented

* RAN visible QoE in TS 38.300 clause 21.4
* MDT and QMC coordination in TS 38.300 clause 21.5

late in Rel-17 to support automation in RAN. They need management support.

Possible new normative Rel-18 QMC functionality from SA4, RAN and the core network will need management support as well.

# 4 Objective

To specify use cases, requirements and solutions for management support for:

* RAN visible QoE,
* MDT and QMC coordination,
* Possibly also management support for QoE measurement collection functionality specified by other WGs (e.g. SA4, RAN2 and RAN3) in Rel-18.

# 5 Expected Output and Time scale

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| 28.404 | Introduction of Use cases and requirements for RAN visible QoE, MDT and QMC coordination. | SA#100 (June 2023) |  |
| 28.405 | Introduction of solutions for RAN visible QoE, MDT and QMC coordination. | SA#100 (June 2023) |  |
| 28.406 | Introduction of solutions for RAN visible QoE, MDT and QMC coordination. | SA#100 (June 2023) |  |
| 28.622 | Introduction of stage 2 NRM solutions for RAN visible QoE, MDT and QMC coordination. | SA#100 (June 2023) |  |
| 28.623 | Introduction of stage 3 NRM solutions for RAN visible QoE, MDT and QMC coordination. | SA#100 (June 2023) |  |
| 32.423 | Introduction of solutions for MDT and QMC coordination. | SA#100 (June 2023) |  |

# 6 Work item Rapporteur(s)

Zadeh Bagher, Ericsson, bagher.zadeh@ericsson.com

# 7 Work item leadership

SA5

# 8 Aspects that involve other WGs

SA4, RAN2, RAN3, CT1 and CT4 for possible new QoE functionality specified in SA4, RAN2 or RAN3 etc.

# 9 Supporting Individual Members

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| --- |
| Supporting IM name |
| Ericsson |
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