**3GPP TSG-CT WG1 Meeting #150C1-244516r2**

**Maastricht, Netherlands, 19-23 August 2024**

**Source: Ericsson**

**Title: New WID on CT Aspects of Rel-19 ADAES**

**Document for: Approval**

**Agenda Item: 19.1.1**

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: New WID on CT Aspects of Rel-19 ADAES

Acronym: TEI19\_ADAES

Unique identifier: TBD

Potential target Release: Rel-19

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  | X |  | X |  |
| No | 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) |
| N/A |  |  |  |

### 2.3 Other related Work Items and dependencies

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

**Dependency on non-3GPP (draft) specification: None**

# 3 Justification

SA6 Rel-19 work under TEI19 work item progressed A-ADRF, A-DCCF, and ADAES improvements, corrections and clarifications. That includes introducing A-DCCF data collection API, A-ADRF data storage API, and API for getting server-to-server analytics/data from A-ADRF. This new work item aims to enhance ADAES from CT aspects to support the enhancements for ADAES, A-DCCF and A-ADRF under TEI19 WI for functionality related to ADAES in the TSG SA6 working group.

# 4 Objective

The objective of this work item is to provide the stage 3 solutions and protocol aspects of ADAES based upon the normative technical specification for the functionalities defined in stage 2 requirements under the TEI19, ADAES WIs enhancements in the TSG SA6 working group.

Stage 3 work shall be started only after the applicable normative stage 2 work is available.

The following functionalities, as supported in stage 2, will be specified in CT1 and CT3 respectively.

CT1, the expected work includes:

a) enhancement of ADAES, A-DCCF, and A-ADRF APIs, and adding new A-DCCF and A-ADRF APIs for ADAE-Y and ADCCF-1 reference points, based on the stage 2 requirements introduced under TEI19 WI for functionality related to ADAES in 3GPP TS 23.436, to support:

1) new A-DCCF services (data collection from data producer e.g. ADAE client, SEAL client); and

2) new A-ADRF services (A-ADRF subscribes to data producer (e.g. ADAE client, SEAL client) for data storage).

CT3, the expected work includes:

a) move the specified ADAE related functionality from 29.549 to new specification, updates to the SEAL service(s) for ADAES analytics services and enhancements; and

b) enhancement of ADAES, A-DCCF, and A-ADRF APIs, and adding new A-DCCF and A-ADRF APIs for ADAE-X and AADRF-1 reference points, based on the stage 2 requirements introduced under TEI19 WI for functionality related to ADAES in 3GPP TS 23.436, to support:

1) new A-DCCF services (SS\_ADCCF\_Data\_Collection API, data collection from data producer (e.g. A-DCCF, A-ADRF, VAL server, SEAL server, EES, EAS)); and

2) new A-ADRF services (SS\_AADRF\_Data\_Storage API, A-ADRF subscribes to data producer (e.g. A-DCCF, A-ADRF, VAL server, SEAL server, EES, EAS) for data storage).

# 5 Expected Output and Time scale

***{If this WID covers both stage 2 and stage 3, clearly indicate the different completion dates.}***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 |
| TS | 29.xxx | Service Enabler Architecture Layer for Verticals (SEAL); Application Data Analytics Enablement Service (ADAES) Server Services; Stage 3 | TSG#108  (June 2025 | TSG#109  (September 2025 | Pastushok, Igor,  Ericsson,  igor.pastushok@ericsson.com |

|  |  |  |  |
| --- | --- | --- | --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} | | | |
| TS/TR No. | Description of change | Target completion plenary# | Remarks |
| TS 24.559 | - *Enhancement of ADAES, A-DCCF, and A-ADRF APIs based on the stage 2 requirements introduced under TEI19 WI for functionality related to ADAES in 3GPP TS 23.436.*  - *Adding new A-DCCF and A-ADRF APIs for ADAE-Y and ADCCF-1 reference points, based on the stage 2 requirements introduced under TEI19 WI for functionality related to ADAES in 3GPP TS 23.436, to support:*  *1) new A-DCCF services; and*  *2) new A-ADRF services.*  *- Update the referred TS 29.549 to the new TS 29.xxx.* | TSG#109  (September 2025 | CT1 Responsibility |
| TS 29.549 | - Move the specified ADAE functionality from 29.549 to the new TS 29.xxx.  - Updates to the SEAL service(s) for ADAES analytics services and enhancements. | TSG#109  (September 2025 | CT3 Responsibility |

NOTE: The above impacts can be updated, and additional impacted existing TS(s) can be identified based on the stage 2 requirements introduced under TEI19 WI for functionality related to ADAES in 3GPP TS 23.436.

# 6 Work item Rapporteur(s)

Pastushok, Igor, Ericsson, igor.pastushok@ericsson.com

# 7 Work item leadership

CT3

# 8 Aspects that involve other WGs

None.

# 9 Supporting Individual Members

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| --- |
| Supporting IM name |
| Ericsson |
| Lenovo |
| CATT |
| Samsung |
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