**3GPP TSG-S4 Meeting #115-e *S4-211219***

**Online, , 18th–27th August 2021** revision of S4-211135

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| *CR-Form-v12.0* |
| **PSEUDO CHANGE REQUEST** |
|  |
|  | **TR 26.531** | **CR** | **–** | **rev** |  **01** | **Current version:** | **0.0.1** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | Support of CAPIF for Data Collection AF |
|  |  |
| ***Source to WG:*** | Huawei Technologies Co.,Ltd. |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | EVEX |  | ***Date:*** | 2021-08-20 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). |  |
|  |  |
| ***Reason for change:*** | More Data Collection AF design is needed. |
|  |  |
| ***Summary of change:*** | Add support of CAPIF for Data Collection AF design. |
|  |  |
| ***Consequences if not approved:*** | The implementation of Data Collection AF is not clear and complete. |
|  |  |
| ***Clauses affected:*** | 2, 3.3, 4.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | S4-211135->S4-211219 |

FIRST CHANGE

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.501: "System architecture for the 5G System (5GS)".

[3] 3GPP TS 23.502: "Procedures for the 5G System (5GS)".

[4] 3GPP TS 23.288: "Architecture enhancements for 5G System (5GS) to support network data analytics services".

[5] 3GPP TS 29.517: "5G System; Application Function Event Exposure Service; Stage 3".

[6] 3GPP TS 29.510: "Network function repository services; Stage 3".

[7] 3GPP TS 29.532: "Data Collection and Reporting; Protocols and Formats".

[X] 3GPP TS 23.222: "Common API Framework for 3GPP Northbound APIs".

NEXT CHANGE

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] , TS 23.501 [2], TS 23.502 [3], TS 29.517[4] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

AF Application Function

AS Application Server

CAPIF Common API Framework for 3GPP Northbound APIs

DCAF Data Collection AF

DN Data Network

NEF Network Exposure Function

NF Network Function

NWDAF Network Data Analytics Function

UE User Equipment

NEXT CHANGE

## 4.1 General

(SNIPPED)

The Data Collection AF may support CAPIF [X] to provide APIs to other applications (i.e. API invokers). When CAPIF is supported, then:

- the Data Collection AF shall support the CAPIF API provider domain functions as part of a distributed CAPIF deployment, i.e. *Ndcaf* and *Naf* via CAPIF-2/2e; and CAPIF-3, CAPIF-4 and CAPIF-5, as specified in clause 7.3 of TS 23.222 [X];

- the Data Collection AF shall support the CAPIF Core Function and API provider domain functions as part of a centralised CAPIF deployment, i.e. *Ndcaf* and *Naf* via CAPIF-2/2e, as specified in clause 7.2 of TS 23.222 [X].

The CAPIF and associated API provider domain functions are specified in TS 23.222 [X].

END OF CHANGES