**3GPP TSG-S4 Ad hoc post Meeting #119-e *S4aI221359***

**Online, , 27th May 2022–9th August 2022**

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| *CR-Form-v12.0* |
| **DRAFT CHANGE REQUEST** |
|  |
|  |  | **CR** |  | **rev** | **–** | **Current version:** |  |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  |  |
|  |  |
| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  |  |
| ***Reason for change:*** | Discussion of CT3 LS revealed that the procedure is incorrect. |
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| ***Summary of change:*** | * Remove the Data Access Profile parameter from step 2 because the Event Subscriber does not know this information.
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| ***Consequences if not approved:*** | Misalignment with SA2 procedures in TS 23.288. |
| ***Q*** |  |
| ***Clauses affected:*** | 5.8 |
|  |  |
|  | **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:*** |  |

FIRST CHANGE

## 5.8 Procedures for event consumer authorization

The procedure for authorising access to the events exposed by the Data Collection AF is depicted by the following call flow:



Figure 5.8‑1: High-level procedures for event consumer authorization

The steps are:

1. The Provisioning AF provisions the data collection and the report exposure functionality at reference point R1, per the procedures in clause 5.2, including a set of Data Access Profiles.

1a. The Data Collection AF may provision the Authorization AS with a Data Access Profile configuration corresponding to step 1, including the Data Access Profile ID. The procedures used in this step are outside the scope of standardisation.

2. An event consumer sends a subscription request to the Data Collection AF to receive events via reference point R5 or R6, per the procedures in clause 5.3, indicating the Event ID of interest.

3. In return, the Data Collection AF redirects the event consumer to the Authorization AS in order to obtain access.

4. The event consumer contacts the Authorization AS (according to the procedures for authorization of NF service access defined in clause 13.4 of TS 33.501 [9]) with a set of valid credentials.

5. If access is granted, the Authorization AS responds with an access token that is valid for the authorised Data Access Profile for a specific period of time. The access token may encode the Data Access Profile ID. The response may redirect the event consumer to the Data Collection AF using the initial subscription request URL, enhanced with the access token.

6. The event consumer resends the subscription request to the Data Collection AF, this time with the access token.

7. The Data Collection AF may verify the access token with the Authorization AS, or it may verify it locally.

8. If verification is successful, the Data Collection AF approves the subscription request for the requested Access Profile

9. The Data Collection AF sends event notifications to the event consumer, per the procedures in clause 5.6.

10. The event consumer cancels its event subscription using the procedures in clause 5.7.

END OF CHANGES