**3GPP TSG CT WG3 Meeting #135 *C3-243123***

**Hyderabad, IN, 27 - 31 May, 2024 (Revision of C3-243xxx)**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **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 |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Reference update | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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 can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Unified Data Repository Services TS reference is missing in the reference.  The wrong reference number is provided within the TS 29.504 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The new reference is added for TS 29.504.  The TS 29.504 reference is updated with the correct referene number in the entire document | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The specification quality is not up to the mark with the wrong reference mapping. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 2, 4.3.2.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR does not impact the OpenAPI descriptions defined in this specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* 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; Stage 2".

[3] 3GPP TS 23.502: "Procedures for the 5G System; Stage 2".

[4] 3GPP TS 29.500: "5G System; Technical Realization of Service Based Architecture; Stage 3".

[5] 3GPP TS 29.501: "5G System; Principles and Guidelines for Services Definition; Stage 3".

[6] OpenAPI: "OpenAPI Specification Version 3.0.0", <https://spec.openapis.org/oas/v3.0.0>.

[7] 3GPP TR 21.900: "Technical Specification Group working methods".

[8] 3GPP TS 33.501: "Security architecture and procedures for 5G system".

[9] IETF RFC 6749: "The OAuth 2.0 Authorization Framework".

[10] 3GPP TS 29.510: "5G System; Network Function Repository Services; Stage 3".

[11] IETF RFC 9113: "HTTP/2".

[12] IETF RFC 8259: "The JavaScript Object Notation (JSON) Data Interchange Format".

[13] IETF RFC 9457: "Problem Details for HTTP APIs".

[14] 3GPP TS 23.288: "Architecture enhancements for 5G System (5GS) to support network data analytics services".

[15] 3GPP TS 29.522: "5G System; Network Exposure Function Northbound APIs; Stage 3".

[16] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces; Stage 3".

[17] 3GPP TS 29.520: "5G System; Network Data Analytics Services; Stage 3".

[18] 3GPP TS 29.517: "5G System; Application Function Event Exposure Service; Stage 3".

[19] 3GPP TS 29.551: "5G System; Packet Flow Description Management Service; Stage 3".

[20] 3GPP TS 29.541: "5G System; Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) and Short Message Services (SMS); Stage 3".

[21] 3GPP TS 29.554: "5G System; Background Data Transfer Policy Control Service; Stage 3".

[22] 3GPP TS 29.523: "5G System; Policy Control Event Exposure Service; Stage 3".

[23] 3GPP TS 29.256: "Uncrewed Aerial Systems Network Function (UAS-NF); Aerial Management Services; Stage 3".

[24] 3GPP TS 26.531: "Data Collection and Reporting; General Description and Architecture".

[25] 3GPP TS 26.501: "5G Media Streaming (5GMS); General description and architecture".

[26] 3GPP TS 26.512: "5G Media Streaming (5GMS); Protocols".

[27] 3GPP TS 23.273: "5G System (5GS) Location Services (LCS); Stage 2".

[28] 3GPP TS 29.572: "5G System; Location Management Services; Stage 3".

[29] 3GPP TS 29.122: "T8 reference point for northbound Application Programming Interfaces (APIs)".

[30] 3GPP TS 29.519: "5G System; Usage of the Unified Data Repository service for Policy Control Data, Application Data and Structured Data for Exposure; Stage 3".

[31] 3GPP TS 37.355: "LTE Positioning Protocol (LPP)".

[32] 3GPP TS 29.504: "5G System; Unified Data Repository Services; Stage 3".

\* \* \* \* Next changes \* \* \* \*

##### 4.3.2.2.2 Creating a new subscription

In order to subscribe to EAS Deployment Information change event, the SMF shall send an HTTP POST request message to the NEF for the "EAS Deployment Event Subscriptions" resource. The HTTP POST message shall include EasDeploySubData data structure as request body. The EasDeploySubData data structure shall include:

- Event Id in the "eventId" attribute;

- An notification correlation ID provided by the NF service consumer during the subscription as "notifId" attribute; and

- An URI to receive the subscribed EAS Deployment information change notifications as "notifUri" attribute.

and may include:

- an indicator to immediately report the current status of EAS Deployment Information if available, as "immRep" attribute;

- (list of) DNN and/or S-NSSAI combination as "dnnSnssaiInfos" attribute;

- identification of an application as "appId" attribute; and/or

- an internal Group Identifier as "interGroupId" attribute.

Upon receipt of the HTTP request from the SMF, if the SMF is validated, the NEF shall interact with the UDR by invoking the Nudr\_DataRepository service as described in 3GPP TS 29.504 [32] to fetch the EAS Deployment Information in the application data in the UDR.

After receiving a successful response from the UDR, the NEF shall create a new subscription and assign a subscription identifier for the "Individual EAS Deployment Event Subscription" resource. Then the NEF shall send a HTTP "201 Created" response with EASDeploySubData data structure as response body and a Location header field containing the URI of the created individual subscription resource to the NF service consumer. If the immediate report indicator is included in the subscription request, the NEF shall include in the response body the currently available EAS Deployment Information that match the subscription.

NOTE: When the "targetAfId" attribute is included in the EAS Deployment Information, then all DNAI(s) correspond to the same EHE provider. The "targetAfId" attribute can be used in case of AF(s) involving different EHE providers, and the source EHE is unaware of other/target EHE specific deployment details.

If the NEF receives an error code from the UDR, the NEF shall take proper error handling actions and shall respond to the SMF with a proper error status code.

\* \* \* \* End of Changes \* \* \* \*