**3GPP TSG-CT WG3 Meeting #140 *C3-251329***

**Wuhan, CN, 7 - 11 April 2025 *(Revision of C3-251329)***

|  |
| --- |
| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **29.519** | **CR** | **0599** | **rev** | **1** | **Current version:** | **19.2.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Updates to obsoleted IETF RFC |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | C3 |
|  |  |
| ***Work item code:*** | SBIProtoc19 |  | ***Date:*** | 2025-03-30 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-19 |
|  | *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). | *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:*** | IETF RFCs 4122 was obsoleted by RFC 9562.RFC 9562 incorporates the five versions of UUIDs defined by RFC 4122. Changes between the obsoleted RFC 4122 and new RFC 9562 are the introduction of three new UUID versions, clarified ambiguities in the earlier specification, and provided updates to ensure better compatibility and security.Those changes do not impact the current text in this specification. Hence, the RFC 4122 should be obsoleted by RFC 9562 accordingly. |
|  |  |
| ***Summary of change:*** | This CR proposes to:Address the above-detailed issues. |
|  |  |
| ***Consequences if not approved:*** | The above-detailed issues remain in the specification. |
|  |  |
| ***Clauses affected:*** | 2, 5.4.3.2 |
|  |  |
|  | **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 on the OpenAPI file. |
|  |  |
| ***This CR's revision history:*** |  |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st 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] Void.

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

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

[7] 3GPP TS 29.571: "5G System; Common Data Types for Service Based Interfaces Stage 3".

[8] 3GPP TS 29.551: "5G System; Packet Flow Description Management Service; Stage 3".

[9] 3GPP TS 29.122: "T8 reference point for Northbound APIs".

[10] 3GPP TS 29.518: "5G System; Access and Mobility Management Services; Stage 3".

[11] 3GPP TS 24.501: "Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3".

[12] 3GPP TS 29.512: "5G System; Session Management Policy Control Service; Stage 3".

[13] 3GPP TS 29.554: "5G System; Background Data Transfer Policy Control Service; Stage 3".

[14] Void.

[15] 3GPP TS 29.505: "5G System; Usage of the Unified Data Repository services for Subscription Data; Stage 3".

[16] 3GPP TS 29.514: "5G System; Policy Authorization Service; Stage 3".

[17] IETF RFC 9562: "A Universally Unique IDentifier (UUID) URN Namespace".

[18] 3GPP TR 21.900: "Technical Specification Group working methods".

[19] 3GPP TS 29.522: "5G System; Network Exposure Function Northbound APIs; Stage 3".

[20] IETF RFC 6901: "JavaScript Object Notation (JSON) Pointer".

[21] IETF RFC 9110: "HTTP Semantics".

[22] 3GPP TS 29.534: "5G System; Access and Mobility Policy Authorization Service; Stage 3".

[23] 3GPP TS 29.591: "5G System; Network Exposure Function Southbound Services; Stage 3".

[24] 3GPP TS 29.510: "Network Function Repository Services; Stage 3".

[25] 3GPP TS 29.543: "5G System; Data Transfer Policy Control Services; Stage 3".

[26] 3GPP TS 32.421: "Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements".

[27] 3GPP TS 29.565: "5G System; Time Sensitive Communication and Time Synchronization Function Services; Stage 3".

[28] 3GPP TS 29.594: "5G System; Spending Limit Control Service; Stage 3".

[29] 3GPP TS 29.520: "5G System; Network Data Analytics Services; Stage 3".

[30] 3GPP TS 29.503: "5G System; Unified Data Management Services; Stage 3".

\*\*\* Next Change \*\*\*

#### 5.4.3.2 Simple data types

The simple data types defined in table 5.4.3.2-1 shall be supported.

Table 5.4.3.2-1: Simple data types

|  |  |  |  |
| --- | --- | --- | --- |
| Type Name | Type Definition | Description | Applicability |
| BdtReferenceIdRm | string | This data type is defined in the same way as the "BdtReferenceId" data type defined in 3GPP TS 29.122 [9], but with the "nullable: true" property. | EnhancedBackgroundDataTransfer |
| IpIndex | integer | Information that identifies which IP pool or external server is used to allocate the IP address. |  |
| ItemPath | string | It contains one JSON pointer value (as defined in IETF RFC 6901 [20]) that references a target location within the resource.E.g. "/smPolicySnssaiData/<snssai>" represents the subscription to data changes in the SmPolicyData data document, in particular to the element of the "smPolicySnssaiData" map whose key is identified by the <snssai> value.E.g. 2 "/smPolicySnssaiData/<snssai>/smPolicyDnnData/<dnn>" represents the subscription to data changes in the SmPolicyData data document, in particular to the element of the "smPolicySnssaiData" map whose key is identified by the <snssai> value and, within this one, to the element of the "smPolicyDnnData" map whose key is identified by the <dnn> value. (NOTE) | ConditionalSubscriptionwithPartialNotification |
| OsId | string | Operating System of the served UE. It contains a Universally Unique IDentifier (UUID) as specified in IETF RFC 9562 [17]. The format of the OS Id is represented in 3GPP TS 24.501 [11]. |  |
| Upsi | Bytes | Base64-encoded characters, containing an identifier of a UE Policy Section (UPSI) as defined in clause D.1.1 of 3GPP TS 24.501 [11], i.e. a Base64 representation of the 3 octets that contain the MCC and MNC as defined in Figure D.6.2.3 of 3GPP TS 24.501 [11] followed by the UPSC as defined in Figure D.6.2.5 of 3GPP TS 24.501 [11]. |  |
| NOTE: The S-NSSAI value used as key of the map is encoded as a string as defined in 3GPP TS 29.571[7], clause 5.4.4.2. |

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