**3GPP TSG CT WG3 Meeting #136 *C3-244162r1***

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **29.522** | **CR** | **1338** | **rev** | **1** | **Current version:** | **18.6.1** |  |
|  | | | | | | | | |
| *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:*** | Correction to procedures for Group Parameters Provisioning | | | | | | | | | |
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| ***Source to WG:*** | ZTE, Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | GMEC | | | | |  | ***Date:*** | | | 2024-08-12 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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:*** | | In 4.4.37.2,   * Nnef\_GroupParametersProvisioning API instead of GroupParametersProvisioning API is used. * The interaction with UDM is not described when AF requests the deletion of an existing "Individual Group Parameters Provisioning" resource. | | | | | | | | |
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| ***Summary of change:*** | | 4.4.37.2 is updated to correct the API name and add the interaction with UDM for Group Parameters deletion. | | | | | | | | |
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| ***Consequences if not approved:*** | | Incorrect API name. Group Parameters will remain in the UDR even if the AF requests to delete it. | | | | | | | | |
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| ***Clauses affected:*** | | 4.4.37.2 | | | | | | | | |
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|  | | **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 file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

#### 4.4.37.2 Procedures for DNN and S-NSSAI specific Group Parameters Provisioning

This procedure is used by an AF to request the creation/update/deletion of a DNN and S-NSSAI specific Group Parameters Provisioning.

In order to request the creation of a DNN and S-NSSAI specific Group Parameters Provisioning:

- the AF shall trigger the GroupParametersProvisioning API by sending an HTTP POST request to the NEF targeting the "Group Parameters Provisionings" collection resource, with the request body including the GrpPpData data structure that shall contain:

- within the "afId" attribute, the identifier of the AF that is sending the request;

- within the "dnnSnssaiGrpData" attribute, the DNN and S-NSSAI specific Group parameters data that is to be provisioned; and

- within the "suppFeat" attribute, the features supported by the AF, if applicable (i.e., feature negociation needs to take place);

- the NEF shall then check whether the AF is authorized to perform this operation or not;

- if the AF is authorized:

- if the LADN Service Area is provided by the AF within the "dnnSnssaiGrpData" attribute (via the "ladnServArea" attribute) and in the form of a list of geographic area(s) or a list of civic address(es), the NEF shall translate this information into a list of TAI(s); and

- the NEF shall then trigger the Nudm\_ParameterProvision service API of the UDM to request the provisioning of the received DNN and S-NSSAI Group specific parameters data as specified in 3GPP TS 29.503 [17];

and

- upon reception of a successful response from the UDM as defined in 3GPP TS 29.503 [17] and successful processing of the request, the NEF shall respond to the AF with an HTTP "201 Created" status code including an HTTP "Location" header field containing the URI of the created resource, and the response body including a representation of the created "Individual Group Parameters Provisioning" resource within the GrpPpData data structure.

In order to request the update of an existing DNN and S-NSSAI specific Group Parameters Provisioning:

- the AF shall trigger the GroupParametersProvisioning API by sending to the NEF either:

- an HTTP PUT request targeting the corresponding "Individual Group Parameters Provisioning" resource with the request body including the GrpPpData data structure; or

- an HTTP PATCH request targeting the corresponding "Individual Group Parameters Provisioning" resource with the request body including the GrpPpDataPatch data structure;

- after authorizing the request, the NEF shall interact with the UDM via the the Nudm\_ParameterProvision service API to request the provisioning of the received updated DNN and S-NSSAI specific Group parameters data; and

- upon reception of a successful response from the UDM as defined in 3GPP TS 29.503 [17] and successful processing of the request, the NEF shall respond to the AF with either:

- an HTTP "200 OK" status code with the response body containing a representation of the updated "Individual Group Parameters Provisioning" resource within the GrpPpData data structure; or

- an HTTP "204 No Content" status code.

In order to request the deletion of an existing DNN and S-NSSAI specific Group Parameters Provisioning:

- the AF shall trigger the GroupParametersProvisioning API by sending an HTTP DELETE request targeting the corresponding "Individual Group Parameters Provisioning" resource to the NEF;

- after authorizing the request, the NEF shall interact with the UDM via the the Nudm\_ParameterProvision service API as defined in 3GPP TS 29.503 [17] to request the deletion of the correponding DNN and S-NSSAI specific Group parameters data; and

- upon reception of a successful response from the UDM as defined in 3GPP TS 29.503 [17] and successful processing of the request, the NEF shall respond to the AF with an HTTP "204 No Content" status code.

On failure or if the NEF receives an error response from the UDM, the NEF shall take proper error handling actions, as specified in clause 5.33.7, and respond to the AF with an appropriate error status code.

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