**TSG-CT WG3 Meeting #118-e *C3-215109***

**E-Meeting, 11th – 15th October 2021 (Revision of C3-215xyz)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.514** | **CR** |  | **rev** | **-** | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Resolves the editor’s note for FILTER\_RESTRICTIONS application error | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | en5GPccSer17 | | | | |  | ***Date:*** | | | 2021-10-11 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Whether FILTER\_RESTRICTIONS is applied to the Ethernet filters is FFS. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Clause 5.3.8 of 3GPP TS 29.214 defines the filter restrictions only applicable to the IP packet filter. So we propose in this release FILTER\_RESTRICTIONS is not applicable to the Ethernet filters. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Open issue is not resolved. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.7.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

### 5.7.3 Application Errors

The application errors defined for the Npcf\_PolicyAuthorization API are listed in table 5.7.3-1. The PCF shall include in the HTTP status code a "ProblemDetails" data structure with the "cause" attribute indicating the application error as listed in table 5.7.3-1.

Table 5.7.3-1: Application errors

| Application Error | HTTP status code | Description |
| --- | --- | --- |
| INVALID\_SERVICE\_INFORMATION | 400 Bad Request | The HTTP request is rejected because the service information is invalid or insufficient for the PCF to perform the requested action, e.g. invalid media type or invalid QoS reference. (NOTE 1) |
| FILTER\_RESTRICTIONS | 400 Bad Request | The HTTP request is rejected because the IP flow descriptions cannot be handled by the PCF because the restrictions defined in clause 5.3.8 of 3GPP TS 29.214 [20] are not observed. (NOTE 1) |
| DUPLICATED\_AF\_SESSION | 400 Bad Request | The HTTP request is rejected because the new Individual Application Session Context relates to an AF session with another related active Individual Application Session Context, e.g. if the AF provided the same AF charging identifier for this new Individual Application Session Context that is already in use for the other ongoing Individual Application Session Context. (NOTE 2) |
| REQUESTED\_SERVICE\_NOT\_AUTHORIZED | 403 Forbidden | The service information provided in the request is rejected. (NOTE 1) |
| REQUESTED\_SERVICE\_TEMPORARILY\_NOT\_AUTHORIZED | 403 Forbidden | The service information provided in the request is temporarily rejected. (NOTE 2) |
| UNAUTHORIZED\_SPONSORED\_DATA\_CONNECTIVITY | 403 Forbidden | The request for sponsored data connectivity is not authorized. (NOTE 3) |
| UNAUTHORIZED\_NON\_EMERGENCY\_SESSION | 403 Forbidden | The PCF rejects a new AF session context setup because the session binding function associated a non-Emergency IMS session to a PDU session established to an Emergency DNN. |
| APPLICATION\_SESSION\_CONTEXT\_NOT\_FOUND | 404 Not Found | The HTTP request is rejected because the specified Individual Application Session Context does not exist. (NOTE 4) |
| PDU\_SESSION\_NOT\_AVAILABLE | 500 Internal Server Error | The PCF failed in executing session binding. (NOTE 5) |
| NOTE 1: This application error is included in the response to the POST request (see subclauses 4.2.2.2 and 4.2.2.5) and to the PATCH request (see subclauses 4.2.3.2 and 4.2.3.5).  NOTE 2: This application error is included in the response to the POST request (see subclause 4.2.2.2) and to the PATCH request (see subclause 4.2.3.2).  NOTE 3: This application error is included in the response to the POST request (see subclause 4.2.2.5) and to the PATCH request (see subclause 4.2.3.5).  NOTE 4: This application error is included in the responses to the GET, PATCH and delete custom operation requests to the Individual Application Session Context resource, and to the PUT and DELETE requests to the Events Subscription resource.  NOTE 5: This application error is included in the response to the POST request (see subclauses 4.2.2.2, 4.2.6.3 and 4.2.2.27). | | |

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