**3GPP TSG-CT WG3 Meeting #118eC3-215183**

**E-Meeting, 11th – 15th October 2021**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Pseudo-CR on Ndccf\_DataManagement service notifications**

**Spec: 3GPP TS 29.574 v0.2.0**

**Agenda item: 17.23**

**Document for: Agreement**

**1. Introduction**

**2. Reason for Change**

The Ndccf\_DataManagement notifications need to be defined.

**3. Conclusions**

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.574 v0.2.0.

\*\*\* First Change \*\*\*

### 5.1.5 Notifications

#### 5.1.5.1 General

Notifications shall comply to clause 6.2 of 3GPP TS 29.500 [4] and clause 4.6.2.3 of 3GPP TS 29.501 [5].

Table 5.1.5.1-1: Notifications overview

|  |  |  |  |
| --- | --- | --- | --- |
| Notification | Callback URI | HTTP method or custom operation | Description  (service operation) |
| Analytics Event Notification | {anaNotifUri} | POST | Report one or several observed analytics events. |
| Data Event Notification | {dataNotifUri} | POST | Report one or several observed data collection events. |

#### 5.1.5.2 Analytics Notification

##### 5.1.5.2.1 Description

The Analytics Notification is used by the NF service producer to report one or several observed analytics events to an NF service consumer that has subscribed to such notifications.

##### 5.1.5.2.2 Target URI

The Callback URI "{anaNotifUri}" shall be used with the callback URI variables defined in table 5.1.5.2.2-1.

Table 5.1.5.2.2-1: Callback URI variables

|  |  |
| --- | --- |
| Name | Definition |
| anaNotifUri | String formatted as URI with the Callback Uri.  The Callback Uri is assigned within the Individual DCCF Analytics Subscription resource and described within the NdccfAnalyticsSubscription type (see table 5.1.6.2.2-1). |

##### 5.1.5.2.3 Standard Methods

5.1.5.2.3.1 POST

This method shall support the request data structures specified in table 5.1.5.2.3.1-2 and the response data structures and response codes specified in table 5.1.5.2.3.1-3.

Table 5.1.5.2.3.1-1: Data structures supported by the POST Request Body

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| array(NddcfAnalyticsSubscriptionNotification) | M | 1..N | Provides information about observed analytics events |

Table 5.1.5.2.3.1-2: Data structures supported by the POST Response Body

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| n/a |  |  | 204 No Content | The receipt of the Notification is acknowledged. |
| RedirectResponse | O | 0..1 | 307 Temporary Redirect | Temporary redirection, during the analytics event notification. The response shall include a Location header field containing an alternative URI representing the end point of an alternative NF consumer (service) instance where the notification should be sent. |
| RedirectResponse | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during the analytics event notification. The response shall include a Location header field containing an alternative URI representing the end point of an alternative NF consumer (service) instance where the notification should be sent. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in Table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. | | | | |

#### 5.1.5.3 Data Notification

##### 5.1.5.3.1 Description

The Data Notification is used by the NF service producer to report one or several observed data collection events to an NF service consumer that has subscribed to such notifications.

##### 5.1.5.3.2 Target URI

The Callback URI "{dataNotifUri}" shall be used with the callback URI variables defined in table 5.1.5.3.2-1.

Table 5.1.5.3.2-1: Callback URI variables

|  |  |
| --- | --- |
| Name | Definition |
| dataNotifUri | String formatted as URI with the Callback Uri.  The Callback Uri is assigned within the Individual DCCF Data Subscription resource and described within the NdccfDataSubscription type (see table 5.1.6.3.2-1). |

##### 5.1.5.3.3 Standard Methods

5.1.5.3.3.1 POST

This method shall support the request data structures specified in table 5.1.5.3.3.1-2 and the response data structures and response codes specified in table 5.1.5.3.3.1-3.

Table 5.1.5.3.3.1-1: Data structures supported by the POST Request Body

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| array(NdccfDataSubscriptionNotification) | M | 1..N | Provides Information about observed data collection events. |

Table 5.1.5.3.3.1-2: Data structures supported by the POST Response Body

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| n/a |  |  | 204 No Content | The receipt of the notification is acknowledged. |
| RedirectResponse | O | 0..1 | 307 Temporary Redirect | Temporary redirection, during the data event notification. The response shall include a Location header field containing an alternative URI representing the end point of an alternative NF consumer (service) instance where the notification should be sent. |
| RedirectResponse | O | 0..1 | 308 Permanent Redirect | Permanent redirection, during the data event notification. The response shall include a Location header field containing an alternative URI representing the end point of an alternative NF consumer (service) instance where the notification should be sent. |
| NOTE: The mandatory HTTP error status codes for the POST method listed in Table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. | | | | |

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