|  |  |
| --- | --- |
| CHANGE REQUEST | |
| Meeting ID:\* | ARC 36 |
| Source:\* | Bob Flynn, Convida Wireless; [Bob.Flynn@convidawireless.com](mailto:Bob.Flynn@convidawireless.com) |
| Date:\* | 2018-07-15 |
| Reason for Change/s:\* | Updates related to long polling |
| CR against: Release\* | Rel 3 |
| CR against: WI\* | Active <Work Item number>  MNT maintenance / < Work Item number(optional)>WI-0055  Is this a mirror CR? Yes  No  mirror CR number: (Note to Rapporteur - use latest agreed revision)  STE Small Technical Enhancements / < Work Item number (optional)>  Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0001, V3.11.0 |
| Clauses \* | 10.2.5.19 |
| Type of change: \* | Editorial change  Bug Fix or Correction  Change to existing feature or functionality  New feature or functionality  Only ONE of the above shall be ticked |
| Impacted other TS/TR(s) | <TS/TR number>, <Version Number>, and <Description on which aspect should be reflected in this TS/TR> |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES  NO  This CR may break backwards compatibility with the last approved version of the TS? YES  NO |
| Template Version: January 2017 (Do not modify) | |

**oneM2M Notice**

The document to which this cover statement is attached is submitted to oneM2M. Participation in, or attendance at, any activity of oneM2M, constitutes acceptance of and agreement to be bound by terms of the Working Procedures and the Partnership Agreement, including the Intellectual Property Rights (IPR) Principles Governing oneM2M Work found in Annex 1 of the Partnership Agreement.

# Introduction

R01 –

* We discussed using words to state that req (step 005) should contain only a single response.
* We discussed the second paragraph in 10.2.5.19 should be reworded with references to this figure.
* Check that TS-0004 supports the decisions made here.
  + Clause 7.5.1.2. is missing a section for the polling channel based Notify Request

Contribution Prepared

* Create an R2 mirror

Section 10.2.5.12 describes the process of “request message polling”.



Figure 10.2.5.12-1: Request/response delivery via polling channel

Step-005 shows the responses sent to the originator in the payload of a Notify request. The process shows that this can be from an AE or a CSE, meaning an Mca or Mcc interface.

Table 10.2.5.19-1<*pollingChannelURI*> NOTIFY describes the process for sending a response to the originator of messages that were stored only available over the Mcc interface. This contribution corrects that and makes a couple other editorial changes for clarity.

### -----------------------Start of change 1-------------------------------------------

#### 10.2.5.19 Delivering the response to the request sent over polling channel

When a Registree AE or CSE receives a response from a long polling request (clause 10.2.5.18), the Registree AE or CSE shall generate a response to each primitive contained in the ***Content*** of the long polling response. The Registree AE or CSE shall send each of the responses to the received requests in the ***Content*** parameter of a new Notify request to the <pollingChannelURI> Hosting CSE (one Notify request for each primitive received in the long polling response).

When the Hosting CSE receives a Notify request targeting the <pollingChannelURI> resource (Fig 10.2.5.12-1, req3), the Hosting CSE shall send the response contained in the ***Content*** parameter of the Notify request, to the entity that sent the associated request (Fig 10.2.5.12-1, req2) to the Hosting CSE. The associated request is the request that the Hosting CSE received (Fig 10.2.5.12-1, step 002) and forwarded to the Registree AE or CSE (Fig 10.2.5.12-1, step 004) over the polling channel. The association shall be done by matching the ***Request Identifier*** parameter of the request delivered in <pollingChannelURI> Retrieve response and the ***Request Identifier*** parameter of the response delivered in the ***Content*** parameter in a <pollingChannelURI> Notify request.

Table 10.2.5.19-1: <*pollingChannelURI*> NOTIFY

| <*pollingChannelURI*> NOTIFY | |
| --- | --- |
| Associated Reference Point | Mca and Mcc |
| Information in Request message | All parameters defined in table 8.1.2-3 apply with the specific details for:  ***To:*** Address of *<pollingChannelURI>* resource  ***Content:*** The response to the request contained in <pollingChannelURI> Retrieve response |
| Processing at Originator before sending Request | Originator shall handle and generate the response to each of the requests contained in the <pollingChannelURI> Retrieve response |
| Processing at Receiver | The Hosting CSE shall send the response contained in the ***Content*** parameter of Notify request to the entity that sent the associated request to the Hosting CSE |
| Information in Response message | All parameters defined in table 8.1.3-1 apply |
| Processing at Originator after receiving Response | According to clause 10.1.6 |
| Exceptions | If the Originator of the <pollingChannelURI> Notify is not the AE-ID of the <AE> resource or CSE-ID of the <remoteCSE> resource which is the grandparent resource of the <pollingChannelURI> resource, then the Hosting CSE shall reject the request with access privilege error information. |

### -----------------------End of change 1-------------------------------------------