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| CHANGE REQUEST |
| Meeting ID:\* | PRO 32.2 |
| Source:\* | Bob Flynn, Convida Wireless; Flynn.bob@convidawireless.com |
| Date:\* | 2018-01-14 |
| Reason for Change/s:\* | See Introduction |
| CR against: Release\* | Release 2 |
| CR against: WI\* | [ ]  Active <> [x]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [x] 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-0004 Version 2.15.0 |
| Clauses \* | 7.5.1.2.3, 7.4.8.2.1 |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly 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 [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [x]  |
| Template Version: January 2017 (Do not modify) |

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GUIDELINES for Change Requests:

Provide an informative introduction containing the problem(s) being solved, and a summary list of proposals.

Each CR should contain changes related to only one particular issue/problem.

In case of a correction, and the change apply to previous releases, a separate “mirror CR” should be posted at the same time of this CR

Mirror CR: applies only when the text, including clause numbering are exactly the same.

Companion CR: applies when the change means the same but the baselines differ in some way (e.g. clause number).

Follow the principle of completeness, where all changes related to the issue or problem within a deliverable are simultaneously proposed to be made E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar to the extent practicable.

Use Change bars for modifications.

The change should include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change. Additions of complete clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause is proposed to be located.

Multiple changes in a single CR shall be clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.

When subsequent changes are made to content of a CR, then the accepted version should not show changes over changes. The accepted version of the CR should only show changes relative to the baseline approved text.

## Introduction

Notification Response -> InterOp #5 issue.

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

##### Subscription Verification during Subscription Creation

***Originator****:*

When the Originator is triggered to perform subscription verification (clause 7.4.8.2.1) during <subscription> creation procedure, it performs the following steps in order.

1. Set the *verificationRequest* element of the notification data object as TRUE in the Notify request primitive.
2. Set the *creator* element of the notification data object as the Originator ID of the <subscription> creation in the primitive.
3. Set the ***to*** parameter as *notificationURI* in the primitive. If the *notificationURI* contains more than one value, then set the other value to the duplicated primitives from step 2).
4. Send the Notify request primitive(s).

***Receiver****:*

If the receiver is a Hosting CSE,

1. When the Hosting CSE receives a Notify request primitive which includes ***verificationRequest*** element of the notification data object set as TRUE, the Hosting CSE shall check if the creator and the Originator have NOTIFY privilege to the notificationURI.
2. If the check fails, the Hosting CSE shall return a Response Status Code indicating "SUBSCRIPTION\_CREATOR\_HAS\_NO\_PRIVILEGE" or "SUBSCRIPTION\_HOST\_HAS\_NO\_PRIVILEGE" error, respectively, with the Notify response primitive.
3. Otherwise, it shall return a ***Response Status Code*** indicating “OK”.

If the receiver is not a CSE, it shall return a ***Response Status Code*** indicating “OK”.

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

### -----------------------Start of change 2-------------------------------------------

##### Create

***Originator****:*

No change from the generic procedures in clause 7.2.2.1.

***Receiver****:*

The following are additional Hosting CSE procedures to the generic resource handling procedures (Figure 7.2.2.2‑1 in clause 7.2.2.2). The additional procedures shall be inserted from Recv-6.2 to Recv-6.8 as below.

The resource handling procedure for the Hosting CSE which receives <subscription> CREATE request shall perform the following procedures in order:

1. Recv-6.2
2. Recv-6.3
3. Check if the subscribed-to resource, addressed in ***To*** parameter in the Request, is subscribable. Subscribable resource types are defined in TS-0001 [6], they have <subscription> resource types as their child resources.

If it is not subscribable, the Hosting CSE shall return the Notify response primitive with a ***Response Status Code*** indicating "TARGET\_NOT\_SUBSCRIBABLE" error.

1. Check if the Originator has privileges for retrieving the subscribed-to resource.

If the Originator does not have the privilege, the Hosting CSE shall return the response primitive with ***Response Status Code*** indicating "ORIGINATOR\_HAS\_NO\_PRIVILEGE" error.

1. If the *notificationURI* is not the Originator, the Hosting CSE should send a Notify request primitive to the *notificationURI* with ***verificationRequest*** parameter set as TRUE (See clause 7.5.1.2.3).
	1. If the Hosting CSE cannot send the Notify request primitive, the Hosting CSE shall return the Notify response primitive with a ***Response Status Code*** indicating "SUBSCRIPTION\_VERIFICATION\_INITIATION\_FAILED" error.
	2. If the Hosting CSE sent the primitive, the Hosting CSE shall check if the Notify response primitive contains a ***Response Status Code*** indicates “OK”. If not, the Hosting CSE shall return the Create response primitive with a ***Response Status Code*** indicating the same error from the Notify response primitive to the Originator.
2. Recv-6.4
3. Recv-6.5

If the Originator does not provide notificationContentType, the Hosting CSE shall set it as ‘all attributes'.

If the *notificationURI* is not the Originator, the Hosting CSE shall store Originator ID to ***creator*** attribute.
If the batchNotify attribute is present in the Request and the batchNotify/duration is not provided by the Originator, the Hosting CSE shall set the value of batchNotify/duration to the default duration as given by the M2M Service Provider.

1. Recv-6.6
2. Recv-6.7
3. Recv-6.8

### -----------------------End of change 2-------------------------------------------

CHECK LIST

* Does this Change Request include an informative introduction containing the problem(s) being solved, and a summary list of proposals.?
* Does this CR contain changes related to only one particular issue/problem?
* Have any mirror CRs been posted?
* Does this Change Request make **all** the changes necessary to address the issue or problem? E.g. A change impacting 5 tables should not include a proposal to change only 3 tables?Does this Change Request follow the drafting rules?
* Are all pictures editable?
* Have you checked the spelling and grammar?
* Have you used change bars for all modifications?
* Does the change include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change? (Additions of complete clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause is proposed to be located.)
* Are multiple changes in this CR clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.?