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| CHANGE REQUEST |
| Meeting:\* | TP24 |
| Source:\* | InterDigital |
| Date:\* | 2016-07-19 |
| Contact:\* | Dale Seed (dale.seed@interdital.com)Bob Flynn (bob.flynn@interdigital.com) |
| Reason for Change/s:\* | Corrections identified during test purpose development |
| CR against: Release\* | Rel-1 |
| CR against: WI\* | [ ]  Active <Work Item number> [ ]  MNT Maintenace / < Work Item number(optional)>[x]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0004-V1.8.0 |
| Clauses/Sub Clauses\* |  |
| Type of change: \* | [x]  Editorial change[ ]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR is a mirror CR? YES [ ]  NO [x]  if YES, please indicate the document number of the original CR: <Document Number)<CR Number of the original CR to the current Release> |
| Template Version:23 February 2015 (Dot not modify) |

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1. **Introduction**

This contribution document consist of editorial changes identified during test purposes development for group fanoutPoint requests.

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

##### Sub-group creation for members residing on the same CSE

The group hosting CSE shall obtain URIs of addressed resources from the attribute ***memberIDs*** of the parent <group> resource. The group hosting CSE may determine that multiple member resources belong to the same remote member hosting CSE, and may perform as an Originator to request to create a sub-group containing the specific multiple member resources in that member hosting CSE. This sub-group is created in the member hosting CSE as described in clause **Error! Reference source not found.**. The ***To*** parameter of this group Create request shall be <memberHosting cseBase>/<groupHosting remoteCse>/ or <memberHosting cseBase>/. The group hosting CSE shall also provide ***From*** parameter (i.e. group hosting CSE) and sub-group resource representation that contains a ***memberIDs*** attribute with all the members residing on the addressed member Hosting CSE. The sub-group representation may include the attribute ***accessControlPolicyID***s, so that both the group hosting CSE and all permissions of the original group apply to this sub-group. The ID of the sub-group may be proposed by the group hosting CSE and accepted by the member hosting CSE or it may be given by the member hosting CSE.
If there is already a sub-group resource defined in the remote member hosting CSE, then the group hosting CSE may utilize the existing sub-group resource.

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

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

##### Assign URI for aggregation of notification

If the request is to create a <subscription> resource, the group hosting CSE shall validate the request to check whether it contains a notificationForwardingURI attribute or not. If it does not, the group hosting CSE shall forward it to the group memebers. If it does, the group hosting CSE shall assign a new URI to the notificationURI attribute of the <subscription> in the requests before forwarding it to the group members. This new URI shall address the group hosting CSE so that it can receive and aggregate Notifications from those subscriptions.

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

## ----------------------- Start of change 3-----------------------

##### Fanout Request to each member

For each member, the group hosting CSE shall perform the following steps:

a) The primitive parameters ***From*** and ***To*** shall be mapped to the primitive parameters of the corresponding Request to be sent out to each member of the group. The primitive parameter ***From*** shall be directly used. The prefix of primitive parameter ***To*** i.e. <URI of group resource>/fanOutPoint shall be replaced by hierarchical URIs derived from the attribute ***memberIDs*** of the group resource, but excluding the member resources which are sub-groups. For member resources that are sub-groups, the ***To*** parameter of the primitives shall be the resourceID of the *fanOutPoint* virtual resource of the sub-group resources. In addition, any additional relative address that was appended to .../fanOutPoint in the original Request shall be appended to each ***To*** URI. For those member resources contained in a sub-group, the primitive ***To*** of the composed Request shall be <URI of sub-group resource>/fanOutPoint plus any additional appended relative address including in the original Request. The group hosting CSE shall execute "Compose Request primitives". In addition, the group hosting CSE shall generate a unique group request identifier, add it as a primitive parameter to the Request and locally store the group request identifier as per the local policy.

## ----------------------- End of change 3----------------------

## ----------------------- Start of change 4-----------------------

##### Validate the type of resource to be created

If this is a CREATE request and the memberType attribute of the addressed parent group resource is not "MIXED", the group hosting CSE shall check whether the type of resource to be created is a valid and compatible child resource type of the group members when the ***To*** parameter includes …/fanOutPoint without any additional appended relative address. In this case the type of resource specified by the memberType attribute of the parent <group> resource shall be checked to ensure that it is compatible with the type of child resource to be created. BAD\_REQUEST

## ----------------------- End of change 4----------------------