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| CHANGE REQUEST |
| Meeting ID:\* |  SDS #57 |
| Source:\* | Poornima Shandilya, C-DOT, poornima@cdot.inNeeta Meshram, C-DOT, neeta@cdot.in Anupama Chopra, C-DOT, anupama@cdot.in |
| Date:\* | 2022-11-21 |
| Reason for Change/s:\* | Interface correction for CSE-Relative resource ID |
| CR against: Release\* | Release 4 |
| CR against: WI\* | [ ]  Active WI-xxxx[ ]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [ ] mirror CR number: (Note to Rapporteur - use latest agreed revision)[x]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0001 v4.16.1 |
| Clauses \* | Table 9.6.20-2 |
| Type of change: \* | [ ]  Editorial change[ ]  Bug Fix or Correction[ ]  Change to existing feature or functionality[x]  New feature or functionalityOnly ONE of the above shall be ticked |
| Impacted other TS/TR(s) |  |
| 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

The CR is corresponding to issue raised on git.

**Issue #61**

[Handling on failure of NIDD Configuration (#61) · Issues · ISSUES / Issues · GitLab (onem2m.org)](https://git.onem2m.org/issues/issues/-/issues/61)

Currently we don’t know the status of NIDD Configuration triggered on setting niddRequired set to TRUE, for keeping the status a new attribute was discussed. The CR proposes to add new attribute in <serviceSubscribedNode> resource as decided during issue discussion.

when to set niddRequired to TRUE or FALSE. How to retrigger if failed?

For failed request, the request can be reinitiated by setting *niddRequired* attribute to TRUE.

If niddRequired is set to FALSE from TRUE then NIDD configuration will be deleted.

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of Change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

### Resource Type *serviceSubscribedNode*

The *<serviceSubscribedNode>* resource represents M2M Node information that is needed as part of the M2M Service Subscription resource and is only stored on IN-CSE. It contains M2M-Node-ID and optionally CSE-ID running on that Node.

The *<serviceSubscribedNode>* resource shall contain the child resource specified in table 9.6.20-1.

Table 9.6.20-1: Child resources of *<serviceSubscribedNode>* resource

| Child Resources of *<serviceSubscribedNode>* | Child Resource Type | Multiplicity | Description |
| --- | --- | --- | --- |
| *[variable]* | *<subscription>* | 0..n | See clause 9.6.8 |
| *[variable]* | *<transaction>* | 0..n | See clause 9.6.48 |

The *<serviceSubscribedNode>* resource shall contain the attributes specified in table 9.6.20-2.

Table 9.6.20-2: Attributes of *<serviceSubscribedNode>* resource

| Attributes of *<serviceSubscribedNode>* | Multiplicity | RW/RO/WO | Description |
| --- | --- | --- | --- |
| *resourceType* | 1 | RO | See clause 9.6.1.3. |
| *resourceID* | 1 | RO | See clause 9.6.1.3. |
| *resourceName* | 1 | WO | See clause 9.6.1.3. |
| *parentID* | 1 | RO | See clause 9.6.1.3. |
| *expirationTime* | 1 | RW | See clause 9.6.1.3. |
| *accessControlPolicyIDs* | 0..1 (L) | RW | See clause 9.6.1.3.  |
| *creationTime* | 1 | RO | See clause 9.6.1.3. |
| *labels* | 0..1 (L) | RW | See clause 9.6.1.3 |
| *lastModifiedTime* | 1 | RO | See clause 9.6.1.3. |
| *dynamicAuthorizationConsultationIDs* | 0..1 (L) | RW | See clause 9.6.1.3. |
| *custodian* | 0..1 | RW | See clause 9.6.1.3. |
| *nodeID* | 1 | WO | M2M-Node-ID of the node that is represented by this instance. |
| *CSE-ID* | 0..1 | WO | CSE-ID pertaining to this node (for nodes that have a CSE). |
| *deviceIdentifier* | 0..1 (L) | WO | A list of device identifiers that uniquely identify a device. The format of a device identifier is one of the following:* **Case 1:** Identify a device using the format <OUI> "-" <ProductClass> "-" <SerialNumber> as defined in section 3.4.4 of BBF TR-069 [i.2]. The format of the URN is urn:dev:ops:<OUI> "-" <ProductClass> "-" <SerialNumber>.
* **Case 2:** Identify a device using the format <OUI> "-"<SerialNumber> as defined in section 3.4.4 of BBF TR‑069 [i.2]. The format of the URN is urn:dev:os:<OUI> "-"<SerialNumber>.
* **Case 3:** Identify a device using an International Mobile Equipment Identifiers of 3GPP TS 23.003 [i.23]. This URN specifies a valid, 15 digit IMEI. The format of the URN is urn:imei:###############.
* **Case 4:** Identify a device using an Electronic Serial Number. The ESN specifies a valid, 8 digit ESN. The format of the URN is urn:esn:########.
* **Case 5:** Identify a device using a Mobile Equipment Identifier. This URN specifies a valid, 14 digit MEID. The format of the URN is urn:meid:##############.
* **Case 6:** Identify a device using an Object IDentifier (OID). This URN specifies a valid OID - see annex H for one possible naming convention. The format of the URN is urn:oid:<OID>.
* **Case 7:** Identify a device using a Universally Unique IDentifier (UUID). The UUID specifies a valid, hex digit character string as defined in IETF RFC 4122 [i.26]. The format of the URN is urn:uuid: ########-####-####-####-############.
 |
| *ruleLinks* | 0..1 ((L) | RW | This attribute contains a list of links towards *<serviceSubscribedAppRule>* resources pertaining to this *<serviceSubscribedNode>.* See clause 9.6.29 for an explanation of the *<serviceSubscribedAppRule>* resource. This attribute shall exist only when the CSE‑ID attribute is present. When the list is empty, it means no applications are allowed to register on the CSE which is indicated by the CSE-ID attribute. |
| *niddRequired* | 0..1 | RW | Controls whether the IN-CSE configures the underlying network to enable Non-IP Data Delivery for this node.Valid values are "TRUE" or "FALSE". If not configured, then IN-CSE default policy shall apply. See oneM2M TS‑0026 [15].  |
| *niddConfigStatus* | 0..1 | RO | The attribute represents the status of NIDD configuration request between IN-CSE and the SCEF node. If the request executed successfully then it shall be set to “SUCCESS”, if the request is failed then it shall be set to “FAILED”. See oneM2M TS‑0026 [15].  |

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of Change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*