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| CHANGE REQUEST |
| Meeting ID:\* |  SDS #52 |
| Source:\* | Andreas Kraft, DT, A.Kraft@telekom.de Andreas Neubacher, DT, Andreas.Neubacher@magenta.at  |
| Date:\* | 2021-11-17 |
| Reason for Change/s:\* | Add missing specializations to <mgmtObj> Specializations table |
| CR against: Release\* | Release 4 |
| CR against: WI\* | [ ]  Active WI-xxxx[x]  MNT maintenance / < Work Item number(optional)>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, V4.12.0 |
| Clauses \* | 9.6.1.2.1 |
| Type of change: \* | [ ]  Editorial change[ ]  Bug Fix or Correction[x]  Change to existing feature or functionality[ ]  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

In TS-0001 version 4.12.0, table 9.6.1.2.1-1: <mgmtObj> Specializations, the specialization type OAuth2Authentication (defined in TS-0022, clause 7.1.9) is missing.

This CR proposes to add this specialization to the table. It relates to issue #15 from the oneM2M issue tracker.

No mirror CRs for R2 and R3 are necessary since this specialization was added in R4 and is not available in R2 and R3.

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

##### 9.6.1.2.1 Specializations of <*mgmtObj*>

Table 9.6.1.2.1-1 lists specializations of the *<mgmtObj>* resource type in which the *mgmtDefinition* attribute contains an enumerated value that provides further definition of the resource.

Table 9.6.1.2.1-1: <*mgmtObj*> Specializations

| Resource specialization  | Short Description | Child Resource Types | Parent Resource Types | Clause |
| --- | --- | --- | --- | --- |
| *activeCmdhPolicy* | Provides a link to the currently active set of CMDH policies | None specified | *node* | D.12.1 |
| *areaNwkDeviceInfo* | Provides information about the Node in the M2M Area Network | *subscription* | *node* | D.6 |
| *areaNwkInfo* | Describes the list of Nodes attached behind the MN node and its physical or underlying relation among the nodes in the M2M Area Network | *subscription* | *node* | D.5 |
| *battery* | Provides the power information of the node (e.g. remaining battery charge) | *subscription* | *node* | D.7 |
| *cmdhBuffer* | Defines CMDH buffer usage limits | *subscription* | *cmdhPolicy* | D.12.8 |
| *cmdhDefaults* | Defines CMDH default values | *cmdhDefEcValue, cmdhEcDefParamValues**subscription* | *cmdhPolicy* | D.12.2 |
| *cmdhEcDefParamValues* | Represent a specific set of default values for the CMDH related parameters | *subscription* | *cmdhDefaults* | D.12.4 |
| *cmdhDefEcValue* | Defines a value for the ***Event Category*** parameter of an incoming request when it is not defined | *subscription* | *cmdhDefaults* | D.12.3 |
| *cmdhLimits* | Defines limits for CMDH related parameter values | *subscription* | *cmdhPolicy* | D.12.5 |
| *cmdhNetworkAccessRules* | Defines rules for the usage of underlying networks | *cmdhNwAccessRule,**subscription* | *cmdhPolicy* | D.12.6 |
| *cmdhNwAccessRule* | Defines a rule for the usage of underlying networks | *subscription* | *cmdhNetworkAccessRules* | D.12.7 |
| *cmdhPolicy* | A set of rules defining which CMDH parameters will be used by default | *cmdhDefaults, cmdhLimits, cmdhNetworkAccessRules, cmdhBuffer,* *subscription* | *node* | D.12 |
| *deviceCapability* | Contains information about the capability supported by the Node | *subscription* | *node* | D.9 |
| *deviceInfo* | Contains information about the identity, manufacturer and model number of the device | *subscription* | *node* | D.8 |
| *eventLog* | Contains information about the log of events of the Node | *subscription* | *node* | D.11 |
| *firmware* | Provides information about the firmware of the Node (e.g. name, version) | *subscription* | *node* | D.2 |
| *memory* | Provides the memory (typically RAM) information of the node (e.g. the amount of total volatile memory) | *subscription* | *node* | D.4 |
| *reboot* | Used to reboot or reset the Node | *subscription* | *node* | D.10 |
| *software* | Provides information about the software of the Node | *subscription* | *node* | D.3 |
| *registration* | To convey the service layer configuration information | *subscription* | *node* | 7.1 in [10] |
| *dataCollection* | To convey the application configuration information | *subscription* | *node* | 7.2 in [10] |
| *authenticationProfile* | To convey the configuration information regarding establishing mutually-authenticated secure communications | *subscription* | *node* | 7.1 in [10] |
| *myCertFileCred* | To configure a certificate or certificate chain | *subscription* | *authenticationProfile* | 7.1 in [10] |
| *trustAnchorCred* | To identify a trust anchor certificate for validation of certificates | *subscription* | *authenticationProfile* | 7.1 in [10] |
| *MAFClientRegCfg* | To convey instructions regarding the MAF Client Registration procedure | *subscription* | *authenticationProfile* | 7.1 in [10] |
| *wifiClient* | To set up configuration of WiFi connection on the client device. | *subscription* | *node* | 7.1 in [10] |
| *storage* | To manage available storage memory on the device | *subscription* | *node* | D.13 |
| *OAuth2Authentication* | To store access token and refresh token used in OAuth2 security protocol | *subscription* | *node* | 7.1 in [10] |

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