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| CHANGE REQUEST |
| Meeting ID:\* | SDS #46.4 |
| Source:\* | Andreas Kraft, DT, Andreas.Kraft@t-systems.com Andreas Neubacher, DT, Andreas.Neubacher@magenta.at  |
| Date:\* | 2020-09-16 |
| Reason for Change/s:\* | Correct numbering of sections in TS-0014 |
| CR against: Release\* | Release 3 |
| 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-0014 v.3.1.1 |
| Clauses \* | Renumber clause: 6.3.2.3, 6.2.2.5 |
| 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) |  |
| 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

Section 6.3.2.1 of TS-0014 is directly followed by section 6.3.2.3, leaving out 6.3.2.2 . Since there were never 3 sub-sections to 6.3.2, and there was also not a section 6.3.2.2 that was voided, this CR proposes to renumber the section accordingly, including the numbering of the contained sections. It has been checked for TS-0014 that reference to tables etc are correct.

In the same change table 6.2.2.3-4 is corrected to 6.3.2.2-4.

Edit Note: The document’s ToC needs to be updated to reflect the renumbering.

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

6.3.2.2 LWM2M Object Lifecycle

LWM2M Endpoint's are discovered when the LWM2M Client is successfully registers with the LWM2M Server using the LWM2M Register operation. In addition to the LWM2M Register operation, the LWM2M Client can periodically refresh the LWM2M Client's registration with the LWM2M IPE using the LWM2M Update operation. Finally a LWM2M Client can deregister when the LWM2M Client issues a De-register operation to the LWM2M IPE or the LWM2M Client's registration lifetime expires.

The LWM2M Client Registration interface's operations and the registration lifetime expiration event maps to the following operations on the resource.

**Table 6.3.2.2-1: LWM2M Object Lifecycle Translation – Client Registration Interface**

| **LWM2M Operation****Client Registration Interface** | **oneM2M Resource and Operation** |
| --- | --- |
| Register | create <container>, oneM2M resource |
| Update | update <container> , delete <container>, oneM2M resource |
| De-register | delete <container>, oneM2M resource |

**Table 6.3.2.2-2: LWM2M Object Lifecycle Translation – LWM2M Server Events**

| **LWM2M Server Events** | **oneM2M Resource and Operation** |
| --- | --- |
| Client lifetime expiration | delete <container>, oneM2M resource |

**Table 6.3.2.2-3: LWM2M Object Lifecycle Attribute Translation**

| **LWM2M Attributes****Client Registration Interface** | **oneM2M Resource Attribute** |
| --- | --- |
| Endpoint Client Name | Not Applicable |
| Resource Links | <container>, oneM2M resource resourceName |
| Lifetime | <container> , oneM2M resource expirationTime |
| LWM2M Version | Not Applicable |
| Binding Mode | Not Applicable |
| SMS Number | Not Applicable |

**Table 6.3.2.2-4: LWM2M Object Lifecycle Response Code Translation**

| **LWM2M Errors****Client Registration Interface** | **oneM2M Resource Operation Response** |
| --- | --- |
| Register2.01 Created:4.00 Bad Request4.03 Forbidden  | create <container>2001 CreatedAll other codes4105 Conflict |
| Update2.04 Changed4.00 Bad Request4.04 Not Found | update <container>2004 ChangedAll other codes4000 Not Found |
| De-register2.02 Deleted4.04 Not Found | delete <container>2002 Deleted4004 Not Found |

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

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of change 2 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

##### 6.2.2.5 Registering a Registered LWM2M Endpoint

In the scenario where a LWM2M Client issues a Register operation for an AE that is already created, the LWM2M IPE shall treat the operation as if the LWM2M Client requested a De-Register (Delete <AE> resource) prior this Register operation (Create <AE> resource) as described in Table 6.3.2.2-1. The procedure for the LWM2M Server is defined in clause 5.3.1 of the LWM2M Technical Specification [3].

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of Change 2 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*