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| Work Item | |
| Work Item Title: | Management Object Migration v1.0.0 |
| Document Number | WI-0099 |
| Supporting Members or Partner type 2 | Orange, Deutsche Telekom, Sensinov, TIM, SBS, Bundesnetzagentur |
| Date: | 2021-03-01 |
| Abstract: | Propose a work item for Device Management (DMG) CSF with <mgmtObj> migration towards Smart Device Template (SDT) model. |
| 'Template Version: January 2019 (do not modify) | |

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1 Title (abbreviation)

Management Object Migration (MOM)

2 Justification

In Release 4, SDT (Smart Device Template) (WI-0081) is extended to include device management functions in addition to the existing services. This justified extension creates a new way to perfom device management compared to the existing Device Management (DMG) Common Service Function (CSF) model using <mgmtObj>.

In order not to live with 2 solutions for the same purpose, this work item proposes to work on a transition phase allowing implementation using DMG <mgmtObj> to migrate towards SDT model.

3 Intended Output

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| Tick all the appropriate cases |  |
| X | Change request(s) to existing Technical Specification(s) |
|  | Change request(s) to existing Technical Reports(s) |
|  | New Normative Technical Specifications(s) |
|  | New Permanent Technical Reports(s) |
| X | New Temporary Technical Reports(s) |

4 Impact

4.1 oneM2M Work Items

None

5 Scope

The scope of the Work Item is to study the Device Management model based on Management Object (<mgmtObj>) model migration towards SDT model.

This action plan includes:

1. Provide a temporary TR with a mapping between <mgmtObj> and the SDT flexContainer;
2. List in this TR all the specifications and sections that will have to be updated when <mgmtObj> will be replaced by SDT;
3. List in this TR the issues to be resolved by removing the <mgmtObj> after migration and the proposed solutions;
4. Depending on the TR outcomes, decide whether <mgmtObj> should be removed or not in OneM2M Release 4.

New tasks may be added during the process if necessary.

6 Schedule and impacted specifications

Provide the schedule of tasks to be performed;

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Specifications (if any) | | | | | | | | | |
| Document  Type | Document  Number\* | Title | Schedule (TP No.) | | | | Lead WG | Impacted WGs | Comments |
| Start | Change Control | Freeze | Approval |
| TR | 0067 | Management Object Migration | TP 45 | TP 47 | TP 50 | TP 51 | RDM | SDS |  |

\* The first versions will be assigned by the secretariat (WPM Secretary)

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| CRs to existing specifications (if any) | | | | | |
| Impacted  TS/TR |  | Subject of the CR | Approved at plenary# | Impacted WGs | Comments |
| TS-0023 |  | Update SDT Device Management to cover MO functional scope | TP 51 | RDM |  |
| TS-0001 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |
| TS-0004 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |
| TS-0005 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |
| TS-0006 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |
| TS-0014 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |
| TS-0020 |  | Introduce SDT functionalities where MO is | TP 52 | SDS |  |

7 Work Item Rapporteur(s)

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8 History

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| Document history | | |
| V0.0.1 | 2020-02-21 | Initial proposal |
| 2020-02-27 | Uploaded as a permanent document following approval of TP-2020-0021R01 |
| V1.0.0 | 2021-02-05 | Impacted specifications and WI schedule updated |
| 2021-03-01 | Uploaded as a permanent document following approval of TP-2021-0015 |

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