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| CHANGE REQUEST |
| Meeting ID:\* |  |
| Source:\* | Sejong University (JaeSeung Song, jssong@sejong.ac.kr / Jieun Lee, love9ly@sju.ac.kr) |
| Date:\* |  |
| Reason for Change/s:\* |  |
| CR against: Release\* |  |
| CR against: WI\* | [x]  Active <WI-0001> [ ]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [x] mirror CR number: [ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0002 |
| Clauses \* |  |
| 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 |
| Other TS/TR(s) impacted | None |
| 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 [ ]  |
| Template Version: January 2019 (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

oneM2M TR-0062 studied privacy regulations such as GDPR, and recommended to address various issues in oneM2M Systems including consent management.

"Under GDPR, processing personal data is generally prohibited, unless it is expressly allowed by law, or the data subject has consented to the processing by the owner of the data. According to GDPR, consent must be freely given, specific, informed and unambiguous. In order to obtain freely given consent, it must be given on a voluntary basis. Therefore, it is very important how to manage consent in IoT platforms."

This contribution proposes to add new requirements to TS-0002 v5.3.0 to address issues related to the consent management, which is specified in the privacy regulations such as GDPR. Especially, this contribution proposes to add requirements to support consent management mechanisms in oneM2M based on its referencing regulations. Please refer Section 10 Conclusion in TR-0062 "oneM2M System Enhancement to Support Privacy Data Protection Regulations".

<https://git.onem2m.org/specifications/ts/ts-0002/-/merge_requests/4>

<https://git.onem2m.org/specifications/ts/ts-0002/-/merge_requests/4/diffs?commit_id=d01c643ed4d5e27c23a244da5df2458e15bc941d>

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

---a/TS-0002-oneM2M-Requirements.md
+++b/TS-0002-oneM2M-Requirements.md

@@ -709,6 +709,8 @@ NOTE3: The solution would be complete and will be a part of the oneM2M core func

|SER-082<br />See ARC--2018-0062 |The oneM2M System shall support M2M Service Subscriber and M2M Service User profiles specifying their restrictions (e.g. privacy restrictions, max number and/or types of applications and devices the M2M Service Subscriber and its authorized M2M Service Users are allowed to register to the M2M System, the maximum number of resources or bytes of data that the M2M Service Subscriber can store in the M2M System, etc.) and their default configurations (e.g. access control policies, expiration times, max number of content instances, etc.). | |

|SER-083<br />See RDM-2019-0054R01 |The oneM2M System shall support access control and authorization mechanisms for the M2M Service Subscriber or M2M Service User information, based on dynamic parameters (e.g. on/off duty time schedule, location, role or job position etc.). |Rel-4 |

|SER-084<br />See RDM-2019-0054R01 | The oneM2M System shall be able to access M2M Service Subscriber information or M2M Service User information based on dynamic parameters (e.g. on/off duty time schedule, location, role or job position, etc.) from M2M Applications. |Rel-4 |

|SER-0x1<br />See TR-0062 | The oneM2M System shall support the ability to obtain and record user consent for data processing activities associated with oneM2M resources, ensuring that consent is freely given, specific, informed, and unambiguous, in compliance with requirements from relevant regulations. |Rel-4 |

|SER-0x2<br />See TR-0062 | The oneM2M System shall provide mechanisms for managing consent information, including the ability to update or withdraw consent, specify the scope and purpose of processing activities, and associate each processing activity with one or more oneM2M resources. |Rel-4 |

NOTE 1: The above requirement does not cover items outside of the oneM2M System, e.g. Underlying Networks.

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