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| CHANGE REQUEST | |
| Meeting ID:\* | SDS #48 |
| Source:\* | Andreas Kraft, DT, [Andreas.Kraft@t-systems.com](mailto:Andreas.Kraft@t-systems.com)  Andreas Neubacher, DT, [Andreas.Neubacher@magenta.at](mailto:Andreas.Neubacher@magenta.at) |
| Date:\* | 2020-12-09 |
| Reason for Change/s:\* | Removing optimization for X-M2M-RSC header (R2) |
| CR against: Release\* | Release 2 |
| 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)  STE Small Technical Enhancements / < Work Item number (optional)>  Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0009 v.2.18.0 |
| Clauses \* | Modified clauses: 6.4.17 |
| Type of change: \* | Editorial change  Bug Fix or Correction  Change to existing feature or functionality  New feature or functionality  Only ONE of the above shall be ticked |
| Impacted other TS/TR(s) |  |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES  NO  This CR may break backwards compatibility with the last approved version of the TS? YES  NO |
| 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

This is a mirror CR to SDS-2020-0358R01 for R2.

In TS-0009, clause 7.4.17, there is a superfluous optimization for reducing the number of sent headers. The intention of the original sentence is to not send the X-M2M-RSC header if and only if there is a 1:1 relationship between a Response Status Code and the http status code mapping.

This can only be correctly achieved by extra checks on both sender and receiver implementations. It also enforces assumptions (ie. the http status code will always only be mapped to a specific Response Status Code) for the receiver that makes it hard (if not impossible) to achieve forward compatibility. Also, the intended space savings by not including the X-M2M-RSC header are neglectable.

Therefore, this CR proposes to remove the part from the clause.

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

### 6.4.17 X-M2M-RSC

The X-M2M-RSC header in a HTTP response message shall be mapped to the ***Response Status Code*** parameter of response primitives and vice versa (e.g. ***Response Status Code*** 4000 and 4102 are mapped to HTTP Status Code 400 in the table 6.3.2-1).

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