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| CHANGE REQUEST | |
| Meeting ID:\* | SDS 40 |
| Source:\* | Bob Flynn, Convida Wireless , Bob.Flynn@convidawireless.com |
| Date:\* | 2019-05-15 |
| Reason for Change/s:\* | Typo correction |
| CR against: Release\* | Rel-2 |
| CR against: WI\* | Active <Work Item number>  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-0004 v2.21.0 |
| Clauses \* | 7.5.1.2.9 |
| 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 |
| Other TS/TR(s) impacted | None |
| 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 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

This contribution addresses:

* Attribute name of <timeSeries> resource

Current specification in “Notification for missing Time Series Data” procedure mentions wrong name as *currentMissingDataNr* of <timeSeries> resource instead of *missingDataCurrentNr* (based on TS-0001).

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

##### Notification for the missing Time Series Data

When an AE wants to be informed of the number of missing data points in a given renewable time duration, the AE should request the creation of a *<subscription>* resource and set the *missingData* in the *eventNotificationCriteria* conditions to specify the reporting policy. This enables the AE to keep track of the number of missing data points and the corresponding time-stamps over a predefined but renewable duration (i.e. the "duration" of the *missingData*).

***Originator (Hosting CSE)****:*

No change from the procedures in clause 7.2.2.1 except the following addition in Step 1.0:

* When the first missing data point is detected (i.e. a detection of the first discontinuous time-stamp), following the creation of the subscription, the Hosting CSE shall start a timer, and keep counting the number of the missing data points. The timer is set according to the "duration" in the *missingData*. The reporting policy is governed by the rules below:
* If the total number of missing data points becomes equal to or greater than the "number" specified in *missingData* conditionbefore the timer expires, a NOTIFY request shall be sent with the *missingDataList* and *missingDataCurrentNr* included in the NOTIFY request. The missing data points counter shall continue counting while the timer continues to run (since it did not expire). Initiating NOTIFY request to report missing data points shall follow the same logic described above until the timer expires (see next bullet for behaviour when the timer expires).
* If the timer expires, the timer is restarted, and the missing data points counter is reset back to 0.
* The renewal of the timer and the missing data points counter upon timer expiry shall continue until such time as the subscription is cancelled or terminated. Once a subscription is terminated, a final NOTIFY request is sent out with the current number of missing data points and the timer is stopped.
* If no missing data points have been detected at all during the life time of a subscription, then no timer shall be started at all. But once a timer is started triggered by the first missing data point, then the above rules in the previous bullets shall apply.

No change for the remaining steps from the procedures in clause 7.5.1.2.2.

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