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| CHANGE REQUEST |
| Meeting ID:\* | SDS 40 |
| Source:\* | Bob Flynn, Convida Wireless , Bob.Flynn@convidawireless.com |
| Date:\* | 2019-07-05 |
| Reason for Change/s:\* | Enforcement of uniqueness for <timeSeriesInstance> attribute |
| CR against: Release\* | Rel-2 |
| CR against: WI\* | [ ]  Active <Work Item number> [x]  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 v2.22.0 |
| Clauses \* | 7.4.39.2.1 |
| Type of change: \* | [ ]  Editorial change[ ]  Bug Fix or Correction[x]  Change to existing feature or functionality[ ]  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

Companion to SDS-2019-(247/248/289)-TS0001\_Time\_Series\_Attribute\_Uniqueness where that contribution makes the *dataGenerationTime* attribute of <timeSeriesInstance> resource unique so that no two <timeSeriesInstance> resources have the same *dataGenerationTime* value.

In TS-0004 I add the checks to the <timeSeriesInstance> CREATE to make the check for this and return a conflict error.

NOTE – the *dataGenerationTime* can not be duplicated – the change in value can be any different timestamp value.

-------------------------------------------------- Start of Change 1--------------------------------------------------

##### 7.4.39.2.1 Create

***Originator:***

No change from the generic procedures in clause 7.2.2.1 with the following exception:

The Originator shall maintain an internal counter to generate *sequenceNr* which is increased by one. When the *sequenceNr* reaches to the *maxNrOfInstances* of the direct parent <timeSeries> resource, it shall be set to one.

***Receiver:***

Primitive specific operation on Recv-6.5 "Create/Update/Retrieve/Delete/Notify operation is performed":

1. Steps for Create procedure of <timeSeriesInstance> resource shall be same as that steps of <contentInstance> resource described in clause 7.4.7.2.1, except <container> resource in that procedure would correspond to <timeSeries> resource and <contentInstance> resource would correspond to <timeSeriesInstance> resource.
2. The Hosting CSE shall first check for the presence of any other <timeSeriesInstance> resource having a *dataGenerationTime* attribute that equals the one specified in the request and that has the same parent as the new resource being created. If such a resource exists, then the Hosting CSE shall reject the request with a ***Response Status Code*** indicating "CONFLICT" error.

No other changes from the generic procedures in clause 7.2.2.2.

-------------------------------------------------- End of Change 1---------------------------------------------------