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| CHANGE REQUEST |
| Meeting ID:\* |  RDM #58 |
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| Date:\* | 2023-02-20 |
| Reason for Change/s:\* | TS-0023 Applying coming changes to XSD schemata provisioning |
| CR against: Release\* | Release 4 |
| CR against: WI\* | [ ]  Active WI-xxxx[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-0023, V4.12.0 |
| Clauses \* | 6.5 |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Impacted other TS/TR(s) |  |
| 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 [x]  |
| 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 CR proposes necessary changes for the XSD definition section. For release 4 the URIs and format of identifier of XSD schemata changes.

The new method uses Git tags to point to a specific release of the XSD schemata. This means that the version number moves from the filename to the XSD path.

Change 1 applies the changes to the XSD file and repository structure.

**R01**:

Changed the version number to the release number as with other XSD naming conventions.

### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start of Change 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

6.5 XSD definitions

6.5.1 Introduction

The present clause specifies how to name the files which define data types in XSD for Device and SubDevice models, ModuleClasss, Actions and enumerated types.

Various SDT domains correspond to different vertical, economic domains (*Agriculture, Smart City, Health, Home, Industry, Public Safety, Railway, Vehicular*), they contain devices and modules that are specific to these domains.

The *Management* domain contains transversal Device Management modules, *Metadata* domain contains transversal meta-information modules, *Horizontal* is only for enumerated types and *Common* is the domain that gathers devices and modules that do not pertain to a specific domain but are re-usable anywhere.

The following Table 6.5.1-1 defines the short names for XML name spaces and domain namespace prefixes.

**Table 6.5.1‑1: SDT Domains, XML name spaces, and prefixes**

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| --- | --- | --- | --- |
| **Domain** | **XML Name Space** | **Domain Prefix** | **Namespace value** |
| Agriculture | xmlns:agd | AGD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release Number](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease%20Number)>/agriculturedomain" |
| City | xmlns:cid | CID | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release Number>/citydomain](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease%20Number%3E/citydomain) |
| Common | xmlns:cod | COD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/commondomain |
| Health | xmlns:hed | HED | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/healthdomain |
| Home | xmlns:hod | HOD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/homedomain |
| Horizontal | xmlns:hd | HD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/horizontaldomain |
| Industry | xmlns:ind | IND | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/industrydomain |
| Management | xmlns:mad | MAD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/managementdomain |
| Metadata | xmlns:mdd | MDD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/metadatadomain |
| PublicSafety | xmlns:psd | PSD | https://git.onem2m.org/XMLSchemas/ts-0023/tree/< Release Number>/publicsafetydomain |
| Railway | xmlns:rad | RAD | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/railwaydomain |
| Vehicular | xmlns:ved | VED | [https://git.onem2m.org/XMLSchemas/ts-0023/tree/<Release](https://git.onem2m.org/XMLSchemas/ts-0023/tree/%3CRelease) Number>/vehiculardomain |

Note: <Release Number> is a placeholder that corresponds to the version of the present document, ie. “R4”.

6.5.2 XSD definitions for Device models

The XSD definitions for Device models are specified upon the following rule.

* Rule: [Domain Prefix]-[device name].xsd.

For example, the XSD definition for deviceAirConditioner specified in TS-0023 shall be “HOD-deviceAirConditioner.xsd”.

6.5.3 XSD definitions for ModuleClasses

The XSD definitions for ModuleClass are specified upon the following rule.

* Rule: [Domain Prefix]-mod-[ModuleClass name].xsd.

For example, the XSD definition for alarmSpeaker specified in TS-0023 shall be “COD-mod-alarmSpeaker.xsd”.

6.5.4 XSD definitions for Actions

The XSD definitions for Actions are specified upon the following rule.

* Rule: [Domain Prefix]-act-[action name].xsd.

For example, the XSD definition for activateClockTimer specified in TS-0023 shall be “HOD-act- activateClockTimer.xsd”.

6.5.5 XSD definitions for SubDevices

The XSD definitions for SubDeices are specified upon the following rule.

* Rule: [Domain Prefix]-[SubDevice name].xsd.

For example, the XSD definition for subDeviceCuff specified in TS-0023 shall be “COD-subDeviceCuff.xsd”.

6.5.6 XSD definitions for Enumerated Types

The XSD definitions for enumerated types are specified upon the following rule.

* Rule: HD-enumerationTypes.xsd.

This file contains the definitions of all enumerated types.

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