

xMCF 3.0 schema and documentation revision 1 (amendment)

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How to access it on Github

Hosted page:

<https://github.com/economidis-nick/createXSDforxMCF>

v3.0 (2016)

v3.0 rev1

Structure

Summary

The screenshot shows the GitHub repository page for 'createXSDforxMCF' by 'economidis-nick'. The repository has 244 commits, 2 branches, 0 releases, and 2 contributors. The 'Code' tab is selected, showing a list of files and folders. The files listed are V3.0, V3.1, .gitignore, and README.md. The README.md file is expanded, showing the title 'Create XSD for xMCF' and the content. The content includes a question about the Greek letter 'x', a description of the project, and a statement about the format specification.

economidis-nick / createXSDforxMCF

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No description, website, or topics provided. Edit

Manage topics

244 commits 2 branches 0 releases 2 contributors

Branch: master New pull request Create new file Upload files Find File Clone or download

economidis-nick added footnote to explain issue #14 Latest commit b20558e 20 minutes ago

File	Commit	Time
V3.0	Restored change of commit 07bebc.	a month ago
V3.1	added footnote to explain issue #14	20 minutes ago
.gitignore	Don't wanna see files like "~\$cumentation_xMCF_File_v3.0_2019-03-18_c...	2 months ago
README.md	Restored change of commit 07bebc	a month ago

README.md

Create XSD for xMCF

Question CF: Don't we want to use the Greek letter 'x', as in 'xMCF'?

We are building the XML schema for xMCF 3.0. xMCF is the extended Master Connection File, a standard of storing connection files for the Automotive Industry. The project has been initiated by VDA.

The xMCF 3.0 format specification has been described in text, without a schema.

We have made slight corrections to the original document, and we are developing the schema, as well as complete examples to accompany the documentation.

Amendments since last meeting (29th May 2019):

Chapter 5.2.1.1 Finite Element specific data <femdata>

- Simplification of the way FE <entity> is defined
- xMCF schema is ready to bind to FATXML schema

Chapter 5.3.1.3 Special Topological Situations

- Clarification of grouping of joints in <connected_to>
- Introduction of <stacking> element
 - For self connecting joints
 - For keeping the order of connected parts

Chapter 7.5.1 Introduction (bolts & screws)

- Re-stated the bolts-vs-screw definition (wiki)

Chapter 7.5.2 Contacts & Friction (for bolts & screws)

- Removed the competing definition
- Encouraged the use of definition of chapter 5.3.2.5

TO DOs:

Official location of xMCF v3.0r1 schema file

- Current location of xsd is:
<https://github.com/economidis-nick/createXSDforxMCF>
- Passing ownership of the repository

Abaqus does not have PIDs

- `<connected_to>`
 `<part index='1' pid='100' /> <!-- not suitable for abaqus -->`

stay
connected



thank you!

For Dr. Zhang:

Output using both label & pid

```
<connected_to>
  <assy index="1">
    <part label="PART_01" pid="100">
    <part label="PART_01" pid="101">
    <part label="PART_01" pid="102">
  </assy>
  ..
</connected_to>

<connected_to>
  <assy index="1"> <!-- same part, but different contents -->
    <part label="PART_01" pid="100">
    <part label="PART_01" pid="101">
  </assy>
  ..
</connected_to>
```

For Dr. Zhang:

Why /How to output p

- Current location of xsd is:
<https://github.com/economidis-nick/createXSDforxMCF>
- Passing ownership of the repository

Abaqus does not have PIDs

- `<connected_to>`
 `<part index='1' pid='100' />` `<!-- not suitable for abaqus -->`