

# xMCF 3.0 schema and documentation revision 1

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## Amendments since last meeting (11th Dec 2019):

### <femdata> is now complete in definition (issue #18)

- FATXML-ENTITY schema is now available.  
xMCF schema uses the same schema as FATXML to define femdata entities

### New connection types

- <clinch\_rivet\_stud> (Clinchnietbolzen) under Rivets
- <rotav> (Rotationsverbindungen)
  - 'rotational\_speed' added in <units>

### Abaqus properties have names, not PIDs

- Allow <part> to be defined by 'pname' as well as 'pid'.

### Use 'part\_index' as attribute for <partner> (issue #37)

- Could not define contact on <assy> when part label was used.

### Clarification of 'Description of Topology' (issue #42)

- Simplified the text in chapter 2.4, used to explain how xMCF groups connected parts.
- <connection\_group> concept is now more clear

## Open Questions:

### Need a reference URL for FATXML schema (issue #18)

- `<xs:include schemaLocation="FATXML_ENTITY_V1.2_R3.xsd"/>`

### Xerces C++ library for xsd1.1 validation (issue #40)

- Jira ticket [XERCESS-2198](#)
- Sent mail to Apache team

### Is section 'laser' needed? (issue #12)

- *Sections I, V, U, X, Y, HV, HY, Fillet, Radius are used*
- *Section **Laser** is not used in the document.*

### Is 'sheet angle' needed for <i-weld> (issue #39)

- Section 8.2.8.5 Element "sheet\_parameter" lists "sheet\_angle" as parameter for I-Weld in Table 99

### Should version be 3.0r1 or 3.1?

- Raised by Carsten Franke

### <part> instance identifier (issue #24)

stay  
connected



thank you!