# xMCF 3.0 schema and documentation revision 1 (amendment)

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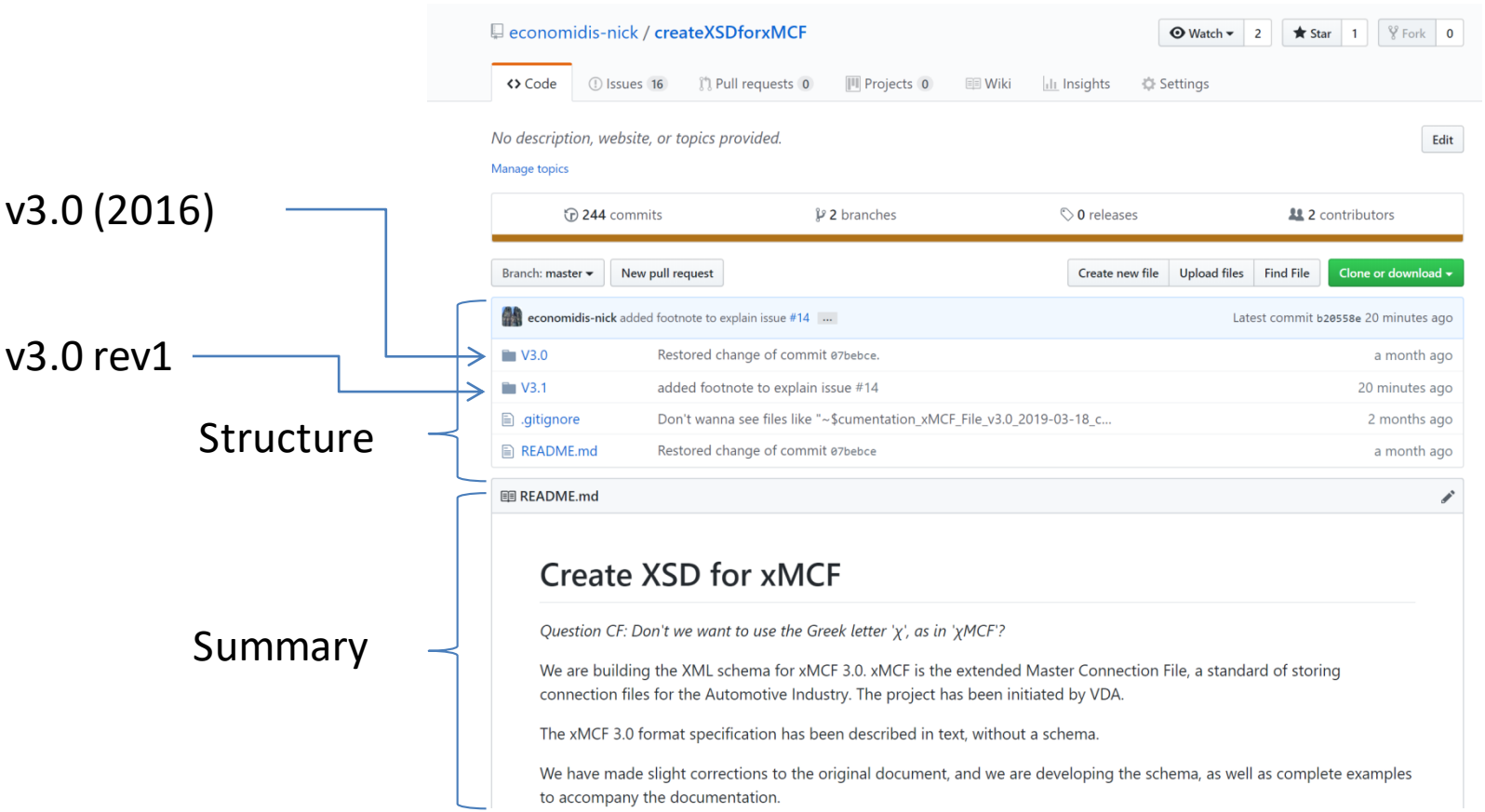
# How to access it on Github

Hosted page:

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



# 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:
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## Abaqus does not have PIDs

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  ```