PDM - IF

Status and Progress
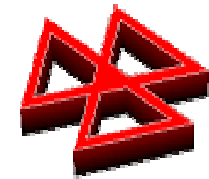
PDM
Implementor Forum

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PDM-IF
Accomplishments

- **New Test Environment established**
  - *files presently checked with respect to PDM schema 1.2 (optionally + recommended practice rules).*
  - *access to the test environment is allowed to any members of PDES or Prostep or any participant to PDM-IF (access protected by login/password)*

- **PDM Schema Usage Guide 4.3 released**

- **Reissuing of the October test campaign with updated content**

- **New responsibilities**
  - *Heike Halkenhäußer, PROSTEP*
  - *Pascal Huau, GOSET for PDES, Inc.*

PDM-IF
Test Environment

- **Web-based validation of PDM STEP files installed**

- **Usage Guide Based Rule Schema**
  - *PDM Schema 1.2 extension*
  - *Mandatory constraints defined in the Usage Guide are implemented as EXPRESS global rules*

- **Test Environment checks the rules and provides detailed reports**

- **Will be used by CAx-IF, too**
  - *AP214 IS Schema checking*

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Test Environment - Web Interface

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Testing at PDM-IF in 2002

- **Round 9C**
  - *Approval mechanism*
  - *PDM data with / without document management information*
  - *OEM specific features*
    - **Change History**
    - **Geometry Structure**
    - **Document Decomposition**
    - **Supplied Part/Document Identification**

- **Validation of files with the new test environment**

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New Strategy for PDM-IF Testing

- **Discussed and agreed on at the PDM-IF meeting in Asheville, March 2002**

- **Testing based on real use cases for data exchange between manufacturer and supplier**

  - *OEM provide 7 or 8 scenarios for the exchange of assembly data*

  - *Ability to export and import the files is tested*

  - *Test criteria are*

    - **Conformance to PDM Schema and PDM Schema Usage Guide**

    - **Ability of the receiver to import the files and to work with the imported data**

- **Letter has been send out to PDM-IF members to explain the new test strategy and ask for participation**

- **Consider PDM Benchmark in 2003/4**

  - *to raise vendor interest in PDM-IF participation*

PDM-IF
Proposed Test Scenarios

- **Use Case A: Establishing the collaboration between OEM and supplier**

- **Use Case B: Supplier delivers a change in part design**

- **Use Case C1: Supplier delivers a change in assembly design addition of a component**

- **Use Case C2: Supplier delivers a change in assembly design removal of a component**

- **Use Case C3: Supplier delivers a change in assembly design changes of component locations within an assembly**

- **Use Case C4: Supplier delivers a change in assembly design shape and position change with impact on other part**

- **Use Case D1: OEM notifies supplier about changes within the shared area**

- **Use Case D2: OEM notifies supplier about changes within the shared area and requests a change**

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Schedules

- **1 July, 2002:**   **Identification of test participants**

- **July, 2002 to 7 October, 2002: Test rallye**

- **8-10 October, 2002: PDM-IF Meeting in Darmstadt**

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