ManTIS DTF
Manufacturing
Technology and
Industrial **S**ystems
Domain **T**ask **F**orce

TC Meeting Date: 2021-06-18
Reporting Chair: Uwe Kaufmann
Group page (URL): www.omg.org/mantis
Group email: mantis@omg.org

- **Highlights / presentations from this Meeting:**
  - GfSE activities update on SpecIF and MoTIF
    (Uwe Kaufmann, GfSE)
    http://doc.omg.org/mantis/2021-06-01

  - SpecIF (Specification Integration Faclility):
    - Simply: extension of ReqIF (Requirements Interchange Format) to also include and link models (e.g. SysML)
    - SpecIF not limited to a File Format but will also support Linked Data concepts like OSLC
    - SpecIF v1.1 release ahead, planned for end of June 2021
    - See also: https://specif.de and https://github.com/GfSE

  - MoTIF (Model Transformation and Integration Facility):
    - No progress since March '21
    - TBD: Elaboration of a draft RFP

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OBJECT MANAGEMENT GROUP ®

- **Highlights / presentations from this Meeting:**
  – Universal Safety Format (USF) – ideas from SAFE4i project for a RFP/RFC
    (Bertil Muth, HOOD GmbH; Alexander Viehl, FZI)
    http://doc.omg.org/mantis/2021-06-02
    - Will define the USF as a language and a transformation (UTF)
    - Objective: automatic code generation to enhance safety critical software
    - Relationship to RAAML (Risc Analysis and Assessment Modeling Language) identified
  – Discussion of Product Knowledge Framework (PKF) RFI:
    - Further response received from MONDRAGON University, will be present and discussed in September meeting   http://doc.omg.org/mantis/2021-03-01
    - Further contemplated on an Upper Ontology for PKF that would align with OMG's MOF
    - Extended response deadline to Sep. 2022
    - Next:
      – Review IIC Whitepaper "Characteristics of IIoT Information Models" and possibly reach out to the author(s)

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- **Deliverables from this Meeting:**
  - Technology Adoption Recommendation(s)
    - N/A
  - RFP/RFI/RFC Recommendation(s) or Other Recommendation(s)
    - N/A

- **Future Deliverables (In-Process):**
  - Technology Adoptions
    - N/A
  - RFP/RFI Recommended or Other Recommendations
    - Model Transformation & Integration Facility - MoTIF RFP

- **Liaisons**
  - **ISO TC 184 SC4 (aka STEP)**

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- **Agenda Items and Interest for the Next Meeting(s):**

  – September 2021

    - USF + UTL progress report (Bertil Muth, Alexander Viehl)

    - System Assurance presentation (Ben Calloni, SysA CoChair)

    - MoTIF – Model Transformation & Integration Facility RFP / RFC

    - Product Knowledge Framework (PKF) RFI progress

      – Reach out to IIC Whitepaper on IIOT Information models

    - MODDALS – Univ. of Mondragon response to PKF RFI

    - Reach-out to related groups: INCOSE DEIXWG, prostep ivip SysML Workflow Forum and Implementer Forum, etc.

  – March 2021 (moved from Dec.)

    - OMG Information Day - "How Modern PLM Systems Interact in Enterprise IT Environments" (Sponsored by CONTACT Software)
      – Postponed to next F2F OMG Meeting

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- ## Long term plans / reach out:

  - Themes of interest to discuss in ManTIS:

    - digital master / digital twin – update from DT consortium?
      - Chairs Webcon planned with Digital Twin Consortium's Manufacturing WG

    - Updates from ISO TC 184 SC4 (STEP community)

    - Logistics Modeling RFP / RFC