

VMAP: A new Interface Standard for Integrated Virtual Material Modelling in Manufacturing Industry

Material Data Exchange Interface Standard Community
2nd meeting (web)

31 January 2019 at 16:30 (CET)

Summary of Meeting

Place: Webex meeting

Attendees: Klaus Wolf, KlausW, (Fraunhofer SCAI, VMAP project),
Gino Duffett, GinoD, (NAFEMS, VMAP project)

18 people in total (from Project 6, External 12)

17 entities in total (from Project 6, External 11)

1. GinoD welcomed all attendees and outlined the Agenda; see pdf document attached, slide 2
2. KlausW presented a reminder of the project use cases, consortium and timescale; see pdf document attached, slides 3-5.
3. KlausW then resented a project update outlining progress that had been made since the last meeting including definitions, software, verification examples, etc. See pdf document attached, slides 6-24.
4. GinoD presented the contacts that VMAP had made with Modelica/FMI, LOTAR/STEP and EMMC; see pdf document attached, slides 25-26.
5. GinoD also outlined the sessions that VMAP have planned for the NAFEMS World Congress VMAP track, see pdf document attached, slides 27-29. He is looking for interesting presentations and volunteers to provide short 5 minute “seed” presentations for the discussions session.
Action: ALL to propose, and possibly provide, a “seed” presentation for the NWC19 VMAP discussions session. Please contact GinoD directly.
6. Discussion and Q & A:
 - 6.1. LOTAR and STEP standards are good, much work has been done and these are evolving. ISO SMRL (STEP) can be obtained for 352 CHF.

- 6.2. It should be possible to purchase these standards and use Part 104 definitions, reproducing as necessary but it is recommended to obtain permission from ISO in writing.
Action: DavidL offered to follow up on copyright issues related to re-using ISO 10303-104 FEA within VMAP.
- 6.3. Part 26 has Express mappings of HDF5 so modernization of the STEP standards is being worked on.
- 6.4. David Leal presented his ideas on the assignment of material data within the STEP standard, looking at where future work should be focussed. See the slide that he presented in the pdf document attached, slide 31.
7. GinoD briefly outlined the Organizational preparation related to the VMAP Standardization Community, see pdf document attached, slides 32-34. He made particular note that:
- 7.1. Need to decide on a name.
Action: ALL please send proposal for a name.
- 7.2. Modelica Association agreements and rules have been offered to VMAP and we are considering using these as a starting point.
Action: ALL please send any agreement/rule considerations, issues and/or objections.
- 7.3. Looking for ideas for participation and interaction between Community and VMAP project.
Action: ALL please send ideas for personal and group participation and interaction.
- 7.4. Members should confirm their participation and then we will insert their company name and logo on the VMAP Community website (or not, according to their preference). To date there are 4 companies listed, 2 from the project.
Action: ALL to confirm their participation in the VMAP community with an email that can be inserted into the general email (only important emails will be sent out).
8. GinoD proposed the following meetings (see pdf document attached, slide 35):
- 8.1. The next meeting would be in about 3-4 months but this may overlap with the NWC19 so we may consider to have a face-to-face meeting for Community members attending the conference.
- 8.2. There will definitely be a face-to-face VMAP Community meeting in Germany during October or November.
- 8.3. Doodle polls will be sent out to determine availability and dates.
Action: GinoD to arrange next meetings shortly.
9. AOB:
- 9.1. Please contact GinoD or KlausW with any ideas, issues and/or comments via the contacts provided on the slide 36 of the attached pdf document.
10. GinoD and KlausW thanked everybody for their participation and closed the meeting.
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Documents attached:

Presentation provided at the meeting "20180920 VMAP Community Meeting presentation".

Agenda:

1. Welcome [GinoD]
2. Project progress to date [KlausW]
3. Report on possible collaborations and interactions:
FMI, LOTAR, STEP, EMMC ... [KlausW]
4. Q&A ... [KlausW, GinoD]
5. VMAP Symposium at NWC19:
presentations, discussions, use cases, technical workshop ... [GinoD]
6. Community:
name, community interaction with VMAP project, agreements ... [GinoD, KlausW]
7. Next meeting [GinoD]
8. AOB

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