



Foundations Special Interest Group

June 2, 2022

Definition:

Foundations AB SIG is a Special Interest Group (SIG) chartered within the Architecture Board. Participation is open to all OMG Members. As a SIG, it cannot publish documents other than Discussion Papers, and must refer RFI, RFP, and Specifications processes to appropriate Subgroups.

Mission:

To host discussions, perform analysis, and provide input to the AB and advise OMG membership concerning the central technologies and techniques used to define the OMG specification ecosystem.

Scope:

As many of the OMG specifications share fundamental concepts (e.g. models and ontologies), as expressed in common descriptions, definitions, and syntax (collectively 'common technologies'(*)), and as there is a stated goal of interoperability within the OMG specification ecosystem at multiple levels, the following goals will be within the scope of the Foundations AB SIG.

- To undertake analysis of common technologies used within the OMG specification ecosystem and catalog
- To consider common technologies in the pursuit of harmonization, interoperability, modularity, and reusability of specification definitions
- To identify gaps of capability and possible barriers with regards to harmonization, interoperability, modularity, and reusability and advise on potential solutions
- To facilitate the management of references to specifications external to the OMG specification ecosystem
- To curate the OMG specification ecosystem from the perspective of use of common technologies, specifically to advise Subgroups on achieving best practices within OMG Specifications

- To engage with – or advise OMG members in engagement with – industry and external organizations to educate on the common technologies of note used within OMG, and best practices of use
- To coordinate and inform the education of OMG members and industry, including but not limited to: mentoring, workshops, training, production of videos
- To establish goals and requirements for future foundational common technologies as may be needed
- To assist in the creation of Statement of Purpose of Benefit for common technologies suitable for use in education of OMG members, and industry at large
- To facilitate coordination with external peer organizations regarding the topics and goals defined in this charter

(*) Examples of current ‘common technologies’ within the OMG specification ecosystem include but are not limited to: XMI, MOF, OWL, RDF, UML Profiles, SysML, IDL, and potentially KerML.

Acting Co-Chairs:

Manfred Koethe (88Solutions)

Sean McCormick (US Navy)

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