



2019
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 26 - 29, 2019

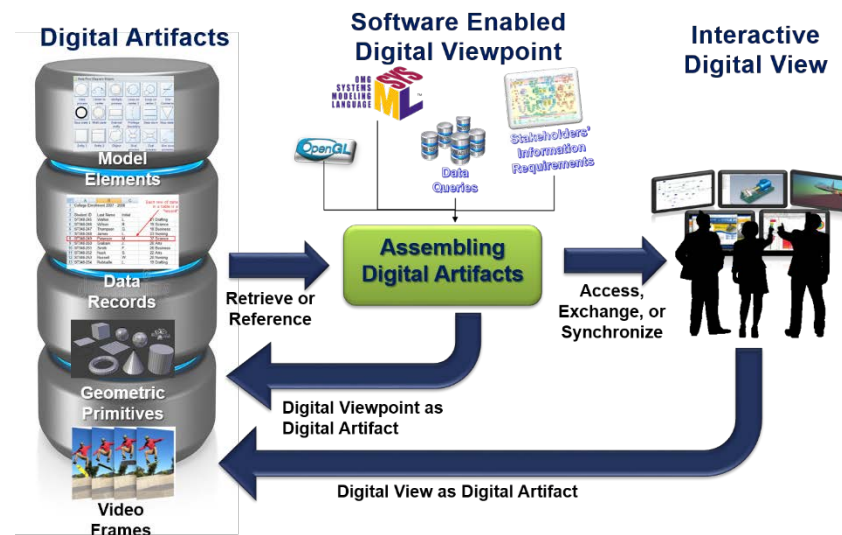
Digital Engineering Information Exchange Standards Framework (DEIX-SF)

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Need for DEIX-SF



- No Industry-wide agreement on standards or conventions to enable a universal exchange of digital artifacts between buyers and suppliers in a global supply chain
 - More than tool integration and data exchange



“How do we request and receive a set of data that conveys actionable information?”

DEIX-SF Scope



DEIX – SF Scope:

- Develop guidance that references existing, revising, or pending standards that facilitate the sharing of model-centric information.
- Identify gaps and collaborate with other groups to address them. (ie, TIMLM WG, PDES, etc)

Some Standards for considerations:

- MBSE standards for PEDS (Product Data Exchange using STEP)
 - Conducting a survey of standards for “Archival and retrieval” of MBSE information
- MOSSEC (Modeling and Simulation information in a collaborative Systems Engineering Context)
 - Standards to improve decision making for complex products



DEIX-SF Path Forward



During IW:

- *Identify applicable standards or gaps* during break out discussions on Digital View point Models (DVM) and Digital Information Exchange Model (DEIXM)

After IW:

- *Summarize* discussions, recommended standards and gaps collected during IW
- Create a *draft standards framework* by:
 - Search other candidate standards for considerations
 - Collaborate with DVM and DEIXM to identify standard needs to facilitate seamless exchanges
 - Analyze standard needs and compare with candidate standards to determine acceptability, overlap and gaps
- *Review* draft stands framework with DEIX community

