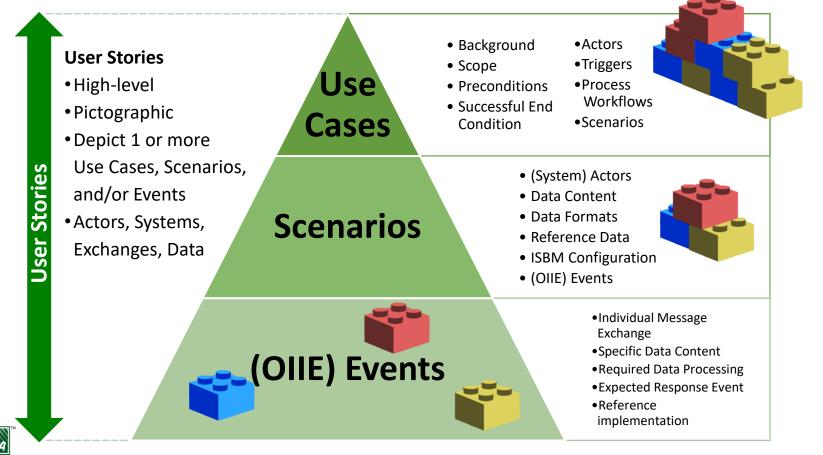
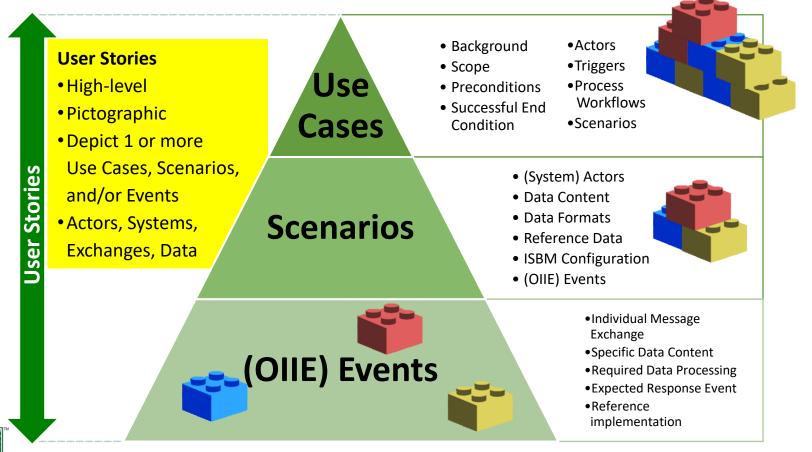


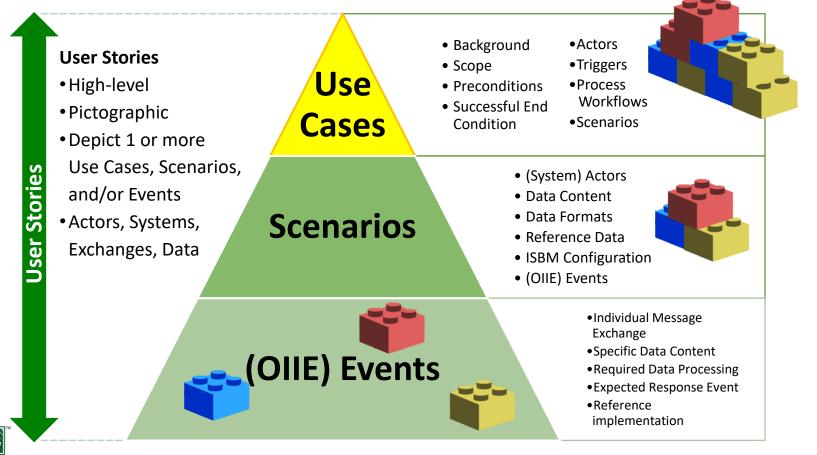
Open Standards for Physical Asset Management

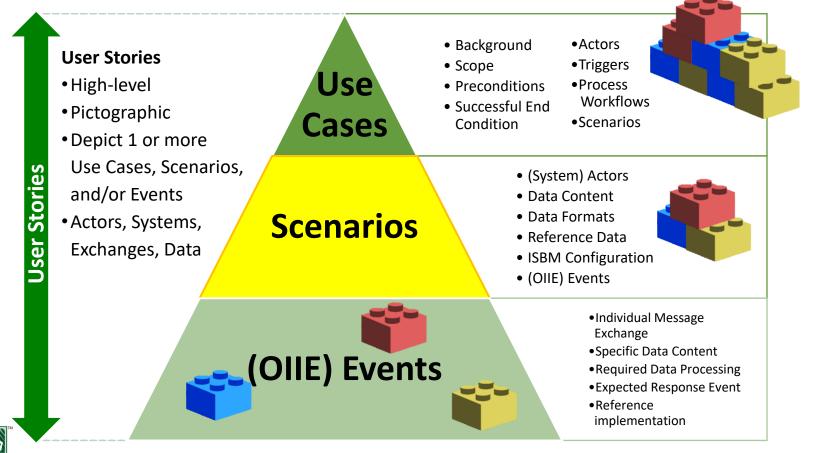
OIIE Use Case Architecture Overview

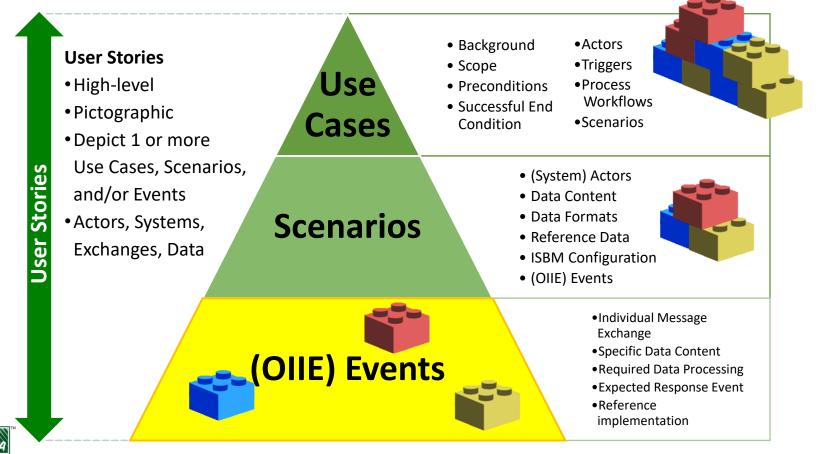
Karamjit Kaur, Matt Selway University of South Australia





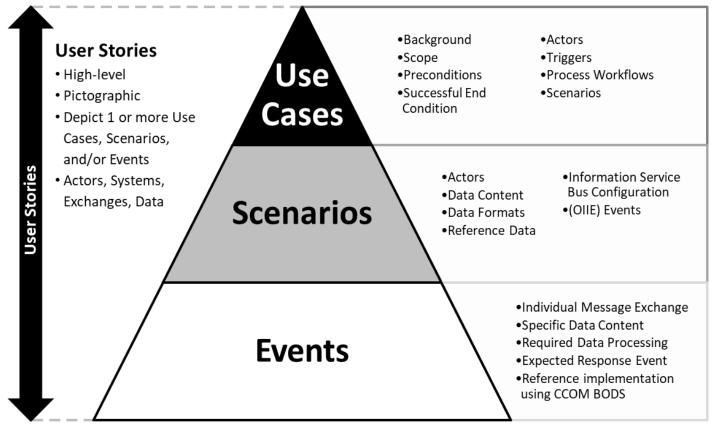






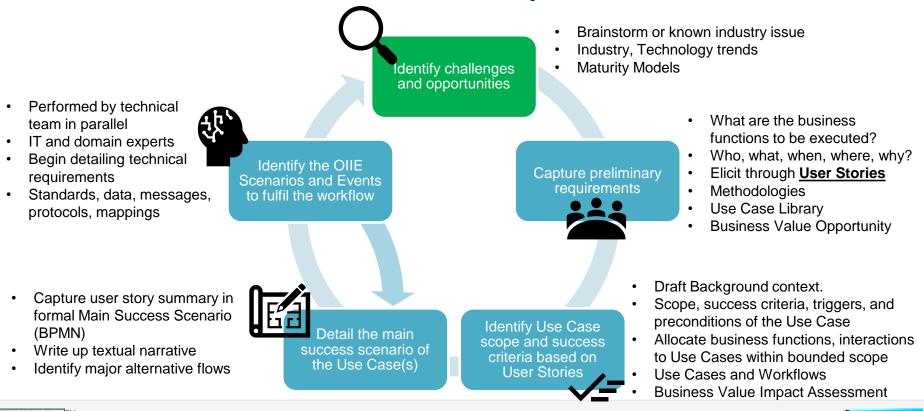


ISO/TS 18101-1:2019





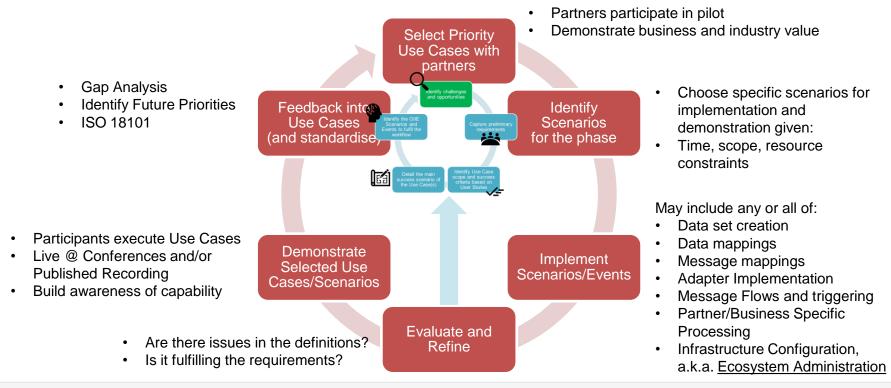
OIIE Use Case Development Process





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OIIE Use Case Piloting Process





OIIE Use Cases

Cross Project Activities	Capital Projects	Complete/ Commission/ Startup	Operate/ Maintain	Decommission/ Dispose
Opportunistic Handover of Structured Digital Assets			Sustained Life-cycle Digital Asset Management	
OIIE Use Case 1: Information handovers to O&M				
OIIE Use Case 2: Recurring Engineering Updates to O & M				
			OIIE Use Case 3: Field Changes to Plant/Fac	ility engineering
OIIE Use Case 4: Enterprise Product Data Library Management (tied to ISDDs)				
OIIE Use Case 5: Asset Installation/Removal Updates				
			OIIE Use Case 6: Preventive Maintenance Triggering	
			OIIE Use Case 7: Condition Based Maintenance Triggering	
			OIIE Use Case 8: Early Warning Notifications	
			OIIE Use Case 9: Incident Management/Accountability	
			OIIE Use Case 10: Automated Provisioning	of O & M systems
OIIE Use Case 11: Enterprise RDL Management				
OIIE Use Case 12: RFI and RFI Response (Models Meeting Requirements and Model Information, Green and Brown Field)				
		OIIE Use Case 13: Lockout/Tagout		
_			OIIE Use Case 14: CBM Data Acquisition	
MIMOSA	OIIE Use Case 15: Capital Project Asset Insta			

Resources

 Visit <u>openoandm.org/standards/</u> and <u>mimosa.org/open-industrial-</u> interoperability-ecosystem-oiie/oiie-use-cases/

Standards × +					
\leftarrow \rightarrow C \triangle $$ openoandm.org/standards/					
Аррз					
	[™] Öpen⊖&M Internet	OpenO&M is a nonprofit organization dedicated to the development and use of a harmonized set of standards for the exchange of Operations & Maintenance (O&M) data			
	About OpenO&M	Standards and Specifications			
	Members	The OpenO&M Technical Committee has published the following specifications:			
	Standards & Specifications	ISBM OpenO&M implementation Specification for ISA-95 Message Service Model (ISBM) 2.0 (final) OpenO&M Web Service Information Service Bus Model (ws-ISBM) 1.0 (final)			
	Resources	Service Directory			
	Contact	OpenO&M Service Directory 1.0 (final) CIR OpenO&M Web Service Common Interoperability Registry (ws-CIR) 1.0 (candidate) Open Industrial Interoperability Ecosystem™ (OIIE) Specification (under development) OIIE™ Use Case Architecture Description OIIE™ Use Cases Catalog (Caution - Hyperlinked files does not open in Safari browser) OIIE™ Use Cases Bundle (Feb 2021) - Use Cases, Scenarios, and Events will be incrementally added to the bundle as they are developed.			
		The OIIE [™] specifications are an outgrowth of the OpenO&M Initiative which has been collaboratively developed by members of the initiative. Early R&D stages were documented on the MIMOSA website but are now being migrated here. The OIIE specification is the basis for the ISO 18101 series of standards.			
		For more information about the OpenO&M Technical Committee and the background of the standards, see the MIMOSA website.			

