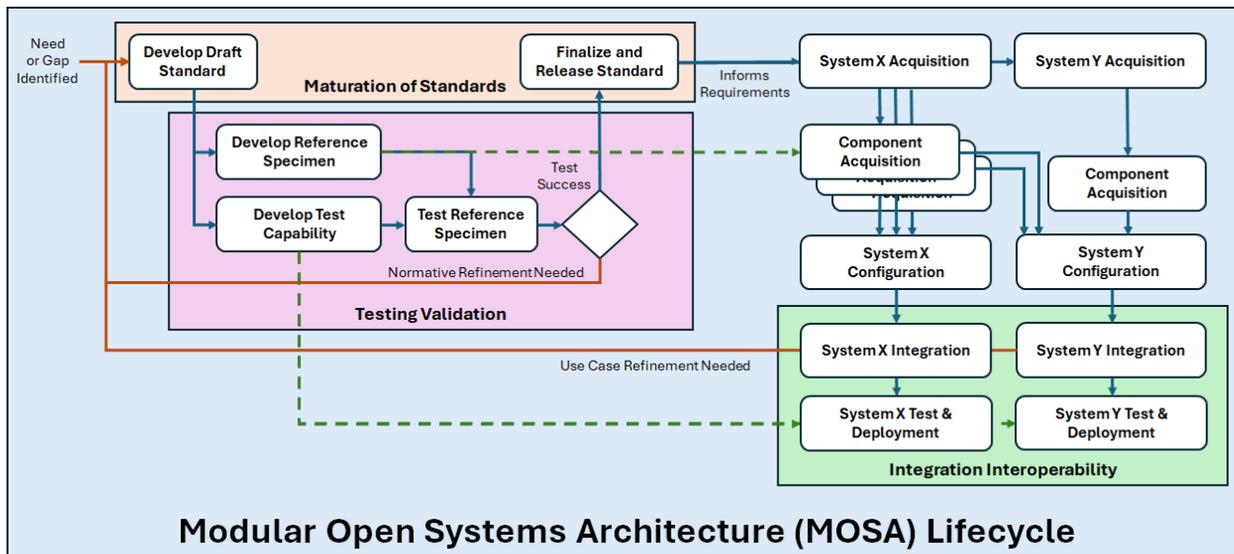


Aspen Consulting Group’s open architecture research and development capability includes three major areas of expertise: **Maturation of Standards**, **Integration Interoperability** and **Testing Validation**. These three expertise areas enable a successful MOSA standards lifecycle, as depicted in the figure below, with high confidence while minimizing cost, schedule and risk for implementers and project / program stakeholders.



**Maturation of Standards** entails the research and development of technical engineering documentation and models that stipulate normative requirements for components and systems while also providing ease of comprehension and insight for implementers. The documentation and models must be clear and complete in normative as they are instrumental in forming resultant expectations while not necessarily directly influencing all design implementation decisions.

**Integration Interoperability** entails the integration of components into systems and the ability for component reuse in varying systems purposed for a specific mission capability or capabilities (multi-mission materiel solutions). Interoperability sets the foundation for rapid integration into additional systems and platforms.

**Testing Validation** entails the development of standards-based reference design specimens, comprehensive test criterion, detailed test plans, software and/or hardware test tools and controlled test report artifacts. When these items are maintained and controlled by the government, vendors and system integrators are able to implement and self-test prior to any formal (government witnessed) test events with high confidence for success.