

Case Study: An Exploration of Services: Exploration Systems Mission Directorate Segment Architecture

The Challenge

Addressing Exploration Systems Mission Directorate (ESMD) management challenges through the use of Enterprise Architecture as a strategic management tool.

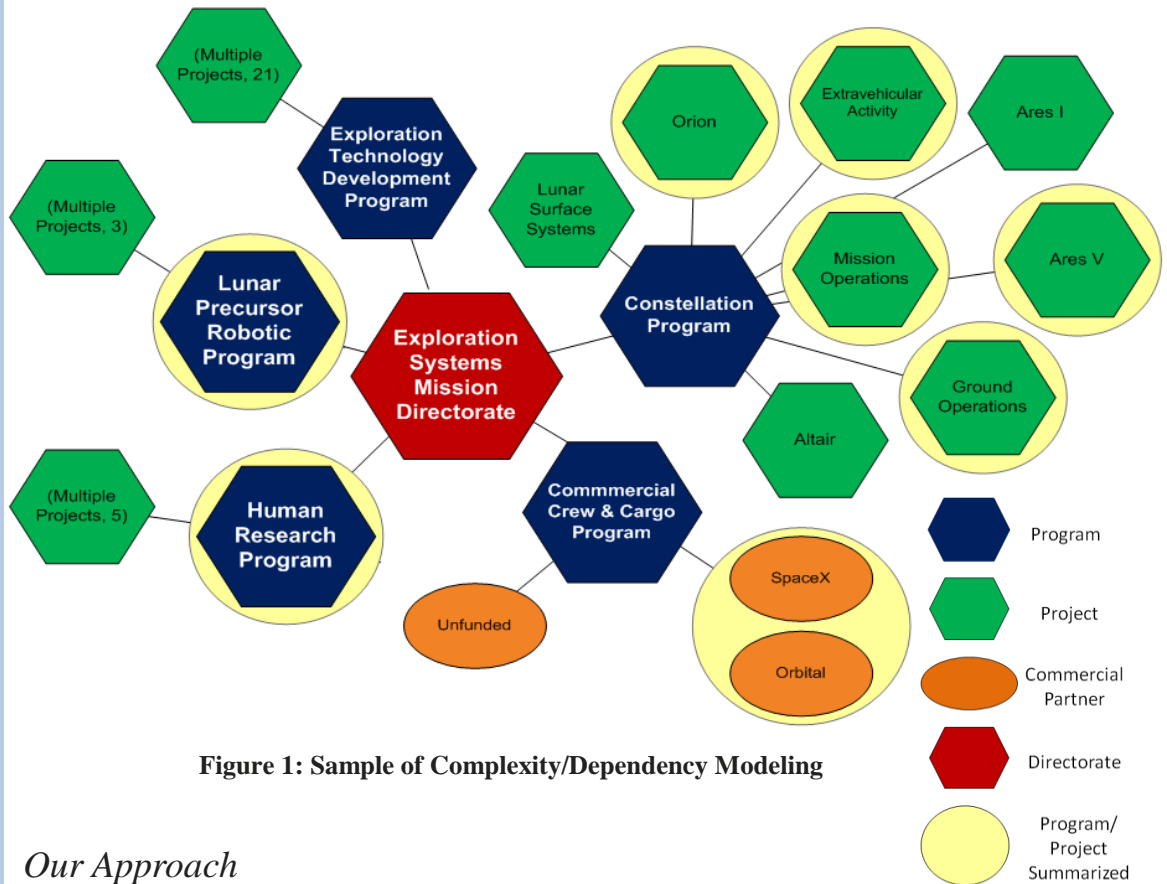


Figure 1: Sample of Complexity/Dependency Modeling

Our Approach

Following our successful business architecture *Proof of Concept* test for two ESMD multi-billion dollar projects- Orion and Ares- *Information Dynamics* assembled and led an ESMD multi-disciplinary team charged with helping the Directorate make more efficient use of NASA Center functionality through providing a clear understanding of the linked dependencies between program and project requirements. We documented the specific services provided by each of the NASA Centers for the programs and projects that comprised the Constellation Program.

Outcomes

The ESMD Segment Architecture provided a clear line-of-sight from ESMD programs and project requirements to the services provided by NASA Centers. The resulting research, which encompassed more than 260 sources, was utilized by ESMD in their post Augustine Commission reorganization.

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