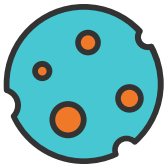


## Case Study (Mission and Mission Support)

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The Parnin Group conducted an organizational assessment to identify the ideal organization to lead the mission of U.S. space traffic management and coordination.

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Our assessment included an evaluation of organizational and technical capabilities of several U.S. Federal Agencies.

### BACKGROUND

Space is becoming increasingly congested with an ever increasing launch of satellite assets and growing space debris. In this scenario, space traffic management is a critical mission that requires not only technical capability but an organizational capacity and operating model that enables the lead agency to work in a collaborative partnership between public and private sector.

# APPROACH

As a starting point, the Parnin Group developed a detailed list of technical and functional capabilities required to perform the space traffic management function successfully. We validated the list using a comprehensive stakeholder engagement strategy. We developed an analytical framework, with criteria to assess and evaluate candidate organizations, in addition to developing a future state operating model to describe the critical roles of integration and coordination.

# OUTCOME

Our work was instrumental in identifying the best suited organization to effectively lead and coordinate space traffic management.

Since a comprehensive list did not exist earlier, our detailed research on tasks and capabilities was useful in establishing a baseline assessment of the required mission objectives to perform SSA and STM - which was used to evaluate the candidate organization's technical and functional capacity and capability.

We developed an operating model that serves to describe the future state - a network-based ecosystem that fosters public-private collaboration, with a shared platform to coordinate actions and capabilities.

Finally, the analytical framework developed to assess and evaluate the candidate organizations, not only provides a transparent view of our criteria and evaluation but serves as a transferable product that can be reapplied as the environment evolves.