

SURVIAC Success Story

Naval Missile Defense

http://iac.dtic.mil/surviac

Customer:	Chief of Naval Op	perations, Deputy fo	or Ballistic Missile Defense (OPNAV N86F)
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Challenge:

The proliferation of ballistic missile threats compelled the Department of Defense to develop sea, air and land-based capabilities to defend against missile threats. In doing so, the Missile Defense Agency leveraged the Navy's existing Aegis Weapon System onboard cruisers and destroyers to provide a sea-based ballistic missile defense capability as part of a layered defense. They also developed a Sea-Based X-band (SBX) radar capability, which the Navy was designated as the lead military service. The service application of Doctrine, Organization, Training, materiel, Logistics, Personnel and Facilities (DOTmLPF) – to include survivability and vulnerability considerations – lagged the acquisition process especially in regards to SBX. The challenge facing the Navy was to ensure service-based warfighting capabilities were not compromised by integrating the new capabilities into the fleet.

Approach:

SURVIAC quickly established a Navy synchronization process with Navy operational commands ensuring visibility and information sharing across the Navy's numbered fleets and components in this rapidly evolving mission area. SURVIAC surveyed warfighter stakeholders, developed prioritized capability lists, and assessed newly-developed ballistic missile defense capabilities. SURVIAC then developed transition/transfer criteria that remained aligned to combatant commander ballistic missile defense needs – ensuring an ability to influence development of sea-based Aegis ballistic missile defense capabilities in the context of this joint mission area – and prioritized those aspects of the multitude of joint ballistic missile defense efforts. In addition, SURVIAC conducted extensive coordination and analysis with acquisition and warfighter stakeholders as well as logisticians – on ship force protection – to provide the Navy with an assessment on implementation of the new phased adaptive approach for ballistic missile defense.

Value:

SURVIAC recommended new acquisition and warfighter processes, procedures, capability assessments, and analytical underpinnings for this mission area. These recommendations enabled OPNAV N86F to make informed decisions on the risks and effectiveness of the Navy missile defense capacity and capability in support of high combatant commander demand as well as highlight Navy missile defense capability needs. This directly influences key global missile defense capability, tactics, and CONOPS.

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