SURVIAC Success Story

Analysis for Satellite Communications (SATCOM) Roadmaps

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Customer:	DoD Chief Information Officer (CIO) Command, Control, Communications & Computers & Information Infrastructure (C4II) Directorate
Challenge:	DoD CIO C4II provides strategic direction, policy guidance and oversight to DoD operations through effective research, definition, prioritization, acquisition, governance, management and implementation of C4II capabilities. The components, systems and programs that collectively provide SATCOM services to warfighters are procured and supported by various Services & agencies. Often there is limited insight as to how their individual project schedules and capabilities – to include changes to either – impact the end-to-end communications capability. SURVIAC identified and prepared a set of synchronization matrices, associated findings and recommendations that capture individual components and show interrelationships among them, helping C4II accomplish its SATCOM mission.
Approach:	SURVIAC developed a repeatable and efficient data collection and integration process integrating terminal fielding information from the National Security SATCOM Systems Synchronization Roadmap (NS4R) with space, control, ground/teleport and baseband segment system and program technical capabilities and project schedules. The data is compiled into a single capability snapshot – synchronization architectures that display interrelationships, critical paths and capability gaps over the future years defense program (FYDP) and beyond (currently to FY31). SURVIAC publishes four synchronization architecture products twice each year based on current status of the individual systems and programs as presented in the Component's Program Objective Memorandum submissions and the President's Budget Request. The four sync architectures cover Narrowband, Protected, Wideband Military SATCOM, & Wideband Commercial SATCOM.
Value:	SURVIAC's analysis results in the generation of findings and recommendations presented to and discussed with the stakeholder community twice each year at C4II-sponsored SATCOM Synchronization Architecture Working Group (SSAWG) forums. C4II, with concurrence of the stakeholders, assigns problems to the appropriate technical or decision making body for resolution, thereby ensuring delivery of a cohesive SATCOM capability for the warfighter. Improvement to U.S. SATCOM and MILSATCOM enhances the availability of communications to more than 31,000 military personnel deployed to contingency operations in Afghanistan and Iraq and another 160 stationed in 150 countries around the world.

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