

TEAM BTAS MEMBER



AMSEC LLC

Capabilities:

A large business (a joint venture of SAIC and Northrop Grumman) that has been a prime contractor on Seaport-e since 2004, AMSEC LLC can support 21 of Seaport-e's 22 functional areas. It is currently most involved in naval architecture and marine engineering, electronic systems engineering, vessel system assessments, maintenance engineering and program development, shipyard industrial engineering, and logistics services, and provides direct support in all Navy homeport concentrations and technical centers. AMSEC brings Team BTAS deep and broad reach back in virtually any functional area that a Seaport-e task order could call for.

Point of Contact:

Point of Contact Name	Michael D'Amato
Phone Number	757-226-1114
Email Address	mike_damato@amsec.com

Experience in Service Areas:

Zone	Functional Area	ASC Experience
MID-ATLANTIC ZONE		
Mid-Atlantic Zone (3)	3.1 R&D Support	Development of requirements for open architecture for future ship systems, Operational Requirements Document (ORD) for DD(X), and requirements engineering and analysis for Aegis Ballistic Missile Defense.
Mid-Atlantic Zone (3)	3.2 Engineering Support	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Technical assistance to assess and monitor programs such as Enhanced C4ISR Homeland Security. Operations (ECHO), Joint Battle Management Integration (JBMI), Distributed Collaborative Tools Suite (DCTS), Joint Enroute Mission Planning Rehearsal System - Near Team. (JEMPRS-NT), Multinational Limited Objective Experimentation (MLOE), Network Security Management Correction and Display (NSM C&D) and exercises such as Joint User Interoperability Communication Exercise (JUICE), UV01 (Unified Vision).
Mid-	3.3 Modeling	Dam Neck and Fleet Forces Command N7 tasks to determine Battle Group

Zone	Functional Area	ASC Experience
Atlantic Zone (3)		C4I/Combat Systems modeling and simulation (M&S) architecture for fleet training. Participated in the Virtual At-Sea Training (VAST) evaluation and the Integrated Maritime Portable Acoustic Scoring System (IMPASS) evaluation. Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems. (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include. AN/UYH-3, RD-358, AN/USQ-69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Mathematical models and computer simulations development to predict overall system and ship performance with the goal of increasing operational availability, reduce down time, lower costs and, enhance safety. For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan.
Mid-Atlantic Zone (3)	3.4 Prototyping	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYH-3, RD-358, AN/USQ-69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS).
Mid-Atlantic Zone (3)	3.5 System Design Doc/ Tech Data	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Technical documentation and both hardcopy and electronic technical manual development, to support engineering, prototyping and fielding of hardware systems. Over the last three years we have developed over 2,000 hardcopy technical manuals and over 3,500 electronic technical manuals on this contract in support of NGNN. (Technical Manual, Selected Records, and Ship Information Book development for all NIMITZ class aircraft carriers. For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan.
Mid-Atlantic Zone (3)	3.6 Software	Dam Neck and Fleet Forces Command N7 tasks to determine Battle Group C4I/Combat Systems modeling and simulation (M&S) architecture for fleet training. Participated in the Virtual At-Sea Training (VAST) evaluation and the Integrated Maritime Portable Acoustic Scoring System (IMPASS) evaluation.
Mid-Atlantic Zone (3)	3.7 RM&A	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Mathematical models and computer simulations development to predict overall system and ship performance with the goal of increasing operational availability, reduce down time, lower costs and, enhance safety For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan.
Mid-Atlantic Zone (3)	3.8 HF Engineering Support	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS.) Mathematical models and computer simulations development to predict overall system and ship performance with the goal of

Zone	Functional Area	ASC Experience
		increasing operational availability, reduce down time, lower costs and, enhance safety For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan.
Mid-Atlantic Zone (3)	3.9 System Safety	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS).
Mid-Atlantic Zone (3)	3.10 CM Support	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS).
Mid-Atlantic Zone (3)	3.11 Quality Assurance (QA)	Support Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS).
Mid-Atlantic Zone (3)	3.12 IS/IA/IT	Information systems development, information assurance, and information technology support, including providing security management and computer system assessment design, data collection, and technical documentation to ensure compliance. Technical assistance to assess and monitor programs such as Enhanced C4ISR Homeland Security Operations (ECHO), Joint Battle Management Integration (JBMI), Distributed Collaborative Tools Suite (DCTS), Joint Enroute Mission Planning Rehearsal System – Near Team (JEMPRS-NT), Multinational Limited Objective Experimentation (MLOE), Network Security Management Correction and Display (NSM C&D) and exercises such as Joint User Interoperability Communication Exercise (JUICE), UV01 (Unified Vision)
Mid-Atlantic Zone (3)	3.13 Ship Inactivation/ Disposal	AMSEC provides Port Engineer services for Naval Sea Systems Command for ship maintenance management and work execution including inactivation.
Mid-Atlantic Zone (3)	3.14 Inter-operability/ T&E/Trials	Interoperability test and evaluation support providing analysis for the Distributive Engineering Plant (DEP) and performing Battle Group Interoperability testing. We also support individual ship testing for Command Decision Systems and Advanced Combat Direction System (ACDS) testing.
Mid-Atlantic Zone (3)	3.15 Measure Facilities	Supported the in-service engineering agent mission for tactical and non-tactical computers and display systems for the Navy, as well as development of future capabilities for fleet commands in the Tidewater area .
Mid-Atlantic Zone (3)	3.16 Acquisition Logistics	For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan. All logistics support to NGNN for construction of CVN 76, CVN 77 and refueling of CVN 69 using the Real time Outfitting Management Information System (ROMIS) as an integral part of the warehouse and supply support operations.
Mid-Atlantic Zone (3)	3.17 Supply & Provisioning	For CVN 21, updating the PSMD and providing MP&T workload reduction support, updating shipboard Integrated Data Environment (IDE) plan, updating total ship RM&A analysis and developing a Maintenance Plan. All logistics support to NGNN for construction of CVN 76, CVN 77 and refueling of CVN 69 using the Real time Outfitting Management Information System (ROMIS) as an integral part of the warehouse and supply support operations.

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Mid-Atlantic Zone (3)	3.18 Training	Dam Neck and Fleet Forces Command N7 tasks to determine Battle Group C4I/Combat Systems modeling and simulation (M&S) architecture for fleet training. Participated in the Virtual At-Sea Training (VAST) evaluation and the Integrated Maritime Portable Acoustic Scoring System (IMPASS) evaluation Sea Launched Attack Missile Exercise (SLAMEX) training for the East Coast. This effort entails conducting 48 exercises annually, providing cruise missile and C4I training to Navy ships and staffs. Also conducting GCCS-M Watch Officer training, Joint Force Air Component Commander (JFACC) training, and C4I training.
Mid-Atlantic Zone (3)	3.19 In-Service Eng	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Support of the search radar ISEA at Dam Neck as a subcontractor to EG&G for SPS 73 radar program planning, administration, and installation and checkout support, including ten successful installations over the last year.
Mid-Atlantic Zone (3)	3.20 Program Support	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Support of the search radar ISEA at Dam Neck as a subcontractor to EG&G for SPS 73 radar program planning, administration, and installation and checkout support, including ten successful installations over the last year.
	3.21 Administrative Support	Design, prototype, fabrication, test, integration and installation of replacement Peripheral Emulation Systems (PES) to replace legacy systems that are out of production or require intensive manpower or maintenance. Replaced systems include AN/UYPH-3, RD-358, AN/USQ- 69, TT-624, OJ-172 (DEAC), and AN/UYPK-7 systems. We have also prototyped other systems including Command Table for Ship Self Defense System (SSDS). Support of the search radar ISEA at Dam Neck as a subcontractor to EG&G for SPS 73 radar program planning, administration, and installation and checkout support, including ten successful installations over the last year.
GULF COAST ZONE		
Gulf Coast Zone (4)	3.1 R&D Support	Development and integration of a software segment for the Expeditionary Warfare Decision Support System (EDSS) is also planned to support planning for amphibious operations in the littoral areas.
Gulf Coast Zone (4)	3.2 Engineering Support	Lead systems engineer and software developer for the Navy's mine warfare tactical decision aid. MEDAL integrates the models and algorithms developed by NSWC Panama City into a planning and simulation tool that is Defense Information Infrastructure (DII) Common Operating Environment (COE) compliant and is a segment of the Global Command and Control System (GCCS). Decision aid work extended to the Joint Countermine Application (JCA). The JCA extended the MEDAL baseline into the very shallow water/surf zone and inland to support Army/Marine Corps countermine operations. Development and integration of a software segment for the Expeditionary Warfare Decision Support System (EDSS) is also planned to support planning for amphibious operations in the littoral areas. Data base design/implementation and sensor interface development for two Defense Threat Reduction Agency (DTRA) networked sensor demonstrations. System engineering design support and software engineering design and implementation for the Advanced Mine Simulation System (AMISS).
Gulf Coast	3.3 Modeling	Reviewed/developed/modified AutoCAD drawings for NSWCDD-SSES cognizant HM&E systems relevant to installation or alteration resulting from Machinery

Zone	Functional Area	ASC Experience
Zone (4)		Alteration.
Gulf Coast Zone (4)	3.4 Prototyping	Developed design drawings, including Ship Installation Drawings (SIDs) for installation of shipboard systems including prototype systems/equipment. Performed equipment functional analyses to determine failure/removal rates, part level essentialities, etc. (Level of analysis dependent upon complexity of each system / equipment addition and/or change).
Gulf Coast Zone (4)	3.5 System Design Doc/ Tech Data	Reviewed existing/developed new Technical Documentation for NSWCCD-SSES cognizant HM&E ship system(s) to ensure the proper lifecycle logistics support information was available before deployed or re-deployed after a ship or machinery alteration (MACHALT) has occurred.
Gulf Coast Zone (4)	3.6 Software	Lead systems engineer and software developer for the Navy's mine warfare tactical decision aid MEDAL. integrates the models and algorithms developed by NSWC Panama City into a planning and simulation tool that is Defense Information Infrastructure (DII) Common Operating Environment (COE) compliant and is a segment of the Global Command and Control System (GCCS). Decision aid work extended to the Joint Countermine Application (JCA). The JCA extended the MEDAL baseline into the very shallow water/surf zone and inland to support Army/Marine Corps countermine operations. Development and integration of a software segment for the Expeditionary Warfare Decision Support System (EDSS) is also planned to support planning for amphibious operations in the littoral areas. Software development support to the ALWSE-ES project. Data base design/implementation and sensor interface development for two Defense Threat Reduction Agency (DTRA) networked sensor demonstrations. System engineering design support and software engineering design and implementation for the Advanced Mine Simulation System (AMISS).
Gulf Coast Zone (4)	3.7 RM&A	Evaluated the supportability adequacy of submitted engineering data for provisioning/supply source data, technical documentation, and all associated technical/logistics documentation to ensure proper installation and life-cycle maintenance/support.
Gulf Coast Zone (4)	3.8 HF Engineering Support	Assessed Manpower, Personnel, and Training (MPT) impacts for all new / modified NSWCCDSSES cognizant ship machinery, systems, and equipment. Demonstrated how the proposed changes will meet the MP&T requirements necessary to operate and maintain the new system in its intended environment and how this approach shall achieve the supportability requirements of the platform. It is to be installed upon along with the shore-based infrastructure established to support today's MP&T requirements.
Gulf Coast Zone (4)	3.9 System Safety	Performed equipment functional analyses to determine failure/removal rates, part level essentialities, etc. (Level of analysis dependent upon complexity of each system / equipment addition and/or change.)
Gulf Coast Zone (4)	3.10 CM Support	Provided provisioning, configuration management, and configuration status accounting functions as required in accordance with NAVSEA Technical Specifications.
Gulf Coast Zone (4)	3.11 Quality Assurance (QA)	Evaluated the supportability adequacy of submitted engineering data for provisioning/supply source data, technical documentation, and all associated technical/logistics documentation to ensure proper installation and life-cycle maintenance/support.
Gulf Coast Zone (4)	3.12 IS/IA/IT	Provided information technology consulting services and software development as required by NSWCCD-SSES to include services for digital product data management, electronic publishing, automated content tagging, technical/training data integration efforts, and Technical Data Knowledge Management (TDKM) support services.
Gulf Coast Zone (4)	3.13 Ship Inactivation/ Disposal	Provides engineering and technical services to the South Florida Testing Facility located in Dania Beach FL. Support includes test support, ranging operations for fleet units, test vessel mobilization and demobilization, maintenance and

Zone	Functional Area	ASC Experience
		engineering design. AMSEC is a subcontractor to AMS to provide Port Engineer services for Naval Sea Systems Command for ship maintenance management and work execution including inactivation.
Gulf Coast Zone (4)	3.14 Inter-operability/T&E/Trials	Project technical writing support for mine countermeasures war games Search-Classify- Map (SCM) UUV performance assessment. Provide NAVSEA 04 Battle Group Action Officer support for interoperability of battle groups.
Gulf Coast Zone (4)	3.16 Acquisition Logistics	New maintenance profiles based on 43 month operational cycles including inclusion in the TOC reduction management plan. Total Operating Cost/ILS elements and documentation development.
Gulf Coast Zone (4)	3.17 Supply & Provisioning	Evaluated the supportability adequacy of submitted engineering data for provisioning/supply source data, technical documentation, and all associated technical/logistics documentation to ensure proper installation and life-cycle maintenance/support.
Gulf Coast Zone (4)	3.18 Training	Developed new and/or modified existing training products to reflect installed HM&E systems. Training curriculum will be delivered as defined by the customer and ranges from standup familiarization to detailed operator and maintenance instruction using enhanced multimedia capabilities. Coordinated efforts between NSWCCD-SSES and other training commands, such as the Fleet Training Center (FTC) and Navy Professional Development Command (NPDC) and others as appropriate and requested by the customer. Provided life cycle logistics support in the review/develop/modification of training materials for e-learning, computer-based training and instructor-led training to reflect NSWCCD-SSES furnished (ECPs, S/A, WP, etc) information. Provided multimedia/video production services.
Gulf Coast Zone (4)	3.19 In-Service Eng	Lead systems engineer and software developer for the Navy's mine warfare tactical decision aid MEDAL. Integrates the models and algorithms developed by NSWC Panama City into a planning and simulation tool that is Defense Information Infrastructure (DII) Common Operating Environment (COE) compliant and is a segment of the Global Command and Control System (GCCS). Support shipboard assessments described earlier for FTSC/LANT. Support CVN 67 under the CEMAT contract and NAVSHIPSO RM&A efforts for all ships. AMSEC provided pre-installation, installation, test, and training for smart ship installations on USS HUE CITY in Mayport.
Gulf Coast Zone (4)	3.20 Program Support	Lead systems engineer and software developer for the Navy's mine warfare tactical decision aid MEDAL. Integrates the models and algorithms developed by NSWC Panama City into a planning and simulation tool that is Defense Information Infrastructure (DII) Common Operating Environment (COE) compliant and is a segment of the Global Command and Control System (GCCS) Project technical writing support for mine countermeasures war games.
Gulf Coast Zone (4)	3.21 Administrative Support	Provided services for confidential technical data to include storage, retrieval and electronic publishing and distribution of confidential technical manuals.
MIDWEST ZONE		
Mid-West Zone (5)	3.1 R&D Support	After September 11, points of contact were identified in SAIC's Homeland Security Task Force for chemical/biological information, and access was provided to the SAIC secure Center for Counterterrorism and Technology Analysis website. NSWC Crane and SAIC managers developed a joint proposal to add swimmer detection to NSWC Crane's IROS3 XE "Integrated Remote Optical Siting and Surveillance System (IROS3)". Ten years of DARPA, JPL, and ARL research in Micro Electro Mechanical System (MEMS) has been made available to support NSWC Crane's nanotechnology applications in anti-tamper devices, smart fuses, safety and arming devices, micro power sources (batteries), RF devices, and failure detection systems.
Mid-West Zone (5)	3.2 Engineering	After September 11, points of contact were identified in SAIC's Homeland Security Task Force for chemical/biological information, and access was provided to the SAIC secure Center for Counterterrorism and Technology Analysis website. NSWC

Zone	Functional Area	ASC Experience
	Support	Crane and SAIC managers developed a joint proposal to add swimmer detection to NSWC Crane's IROS3 XE "Integrated Remote Optical Siting and Surveillance System (IROS3"). Ten years of DARPA, JPL, and ARL research in Micro Electro Mechanical System (MEMS) has been made available to support NSWC Crane's nanotechnology applications in anti-tamper devices, smart fuses, safety and arming devices, micro power sources (batteries), RF devices, and failure detection systems. Redesign, prototype, and test of a state-of-the art controller for the GAU-2B/A 762 mm minigun because of parts obsolescence and high repair costs. As a result, a reliability improvement ECP was submitted to NAVICP who determined the design met the Buy Our Spares Smart program's criterion of 2:1 return on investment. A Mobile C2 system, was designed, built, tested and fielded to support the USMC First Marine Expeditionary SAIC used in-house rapid prototyping capability for several of the subsystems.
Mid-West Zone (5)	3.3 Modeling	Redesign, prototype, and test of a state-of-the art controller for the GAU-2B/A 762 mm minigun because of parts obsolescence and high repair costs As a result, a reliability improvement ECP was submitted to NAVICP who determined the design met the Buy Our Spares Smart program's criterion of 2:1 return on investment
Mid-West Zone (5)	3.4 Prototyping	Redesign, prototype, and test of a state-of-the art controller for the GAU-2B/A 762 mm minigun because of parts obsolescence and high repair costs. As a result, a reliability improvement ECP was submitted to NAVICP who determined the design met the Buy Our Spares Smart program's criterion of 2:1 return on investment.
Mid-West Zone (5)	3.5 System Design Doc/ Tech Data	The SAIC software team provides support for various military programs. One example is the development of the IUADP, which functions as a consolidated stores management system.
Mid-West Zone (5)	3.6 Software	The SAIC software team provides support for various military programs. One example is the development of the IUADP, which functions as a consolidated stores management system.
Mid-West Zone (5)	3.7 RM&A	In support of the Marine Corps Ammunition Logistics Branch's Mine Clearing System ISEA assignments, we visited every active and reserve unit to investigate, inspect, repair, or replace deployed equipment.
Mid-West Zone (5)	3.8 HF Engineering Support	In support of the Marine Corps Ammunition Logistics Branch's Mine Clearing System ISEA assignments, we visited every active and reserve unit to investigate, inspect, repair, or replace deployed equipment.
Mid-West Zone (5)	3.9 System Safety	In support of the Marine Corps Ammunition Logistics Branch's Mine Clearing System ISEA assignments, we visited every active and reserve unit to investigate, inspect, repair, or replace deployed equipment .
Mid-West Zone (5)	3.10 CM Support	Support on the contract included completion of 58 IPDS installations on various classes of ships including FFG, DDG, CG, DD, CVN, LPD, AOE, and LHA class ships. Support on the contract included thirteen TISS installations on non CORT FFG-7 ships. Developed ICDs to support these installations.
Mid-West Zone (5)	3.11 Quality Assurance (QA)	In support of the Marine Corps Ammunition Logistics Branch's Mine Clearing System ISEA assignments, we visited every active and reserve unit to investigate, inspect, repair, or replace deployed equipment. Support on the contract included thirteen TISS installations on non CORT FFG-7 ships. Developed ICDs to support these installations. Support on the contract included completion of 58 IPDS installations on various classes of ships including FFG, DDG, CG, DD, CVN, LPD, AOE, and LHA class ships.
Mid-West Zone (5)	3.12 IS/IA/IT	After September 11, points of contact were identified in SAIC's Homeland Security Task Force for chemical/biological information, and access was provided to the SAIC secure Center for Counterterrorism and Technology Analysis website.
Mid-West Zone (5)	3.14 Inter-operability/ T&E/Trials	Redesign, prototype, and test of a state-of-the art controller for the GAU-2B/A 762 mm minigun because of parts obsolescence and high repair costs. As a result, a reliability improvement ECP was submitted to NAVICP who determined the design met the Buy Our Spares Smart program's criterion of 2:1 return on investment.

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Mid-West Zone (5)	3.15 Measure Facilities	Supports NSWC Crane's major test facilities including the Lake Glendora Test Facility, the Environmental Test Facility, and indoor/outdoor firing ranges to support ordnance and weapon systems evaluations and environmental/operational testing. Support on the contract included thirteen TISS installations on non CORT FFG-7 ships Developed ICDs to support these installations.
Mid-West Zone (5)	3.16 Acquisition Logistics	Technical material support at NAVICP for EA- 6B, and AN/ALQ-99 Development of ILS Plans, User Logistics Support Summaries, and Maintenance Plans for AN/USQ-113(V)3 Radio Countermeasures Set. Provided Consolidation Allowance List and Aviation Equipment Consolidated List reviews.
Mid-West Zone (5)	3.17 Supply & Provisioning	Support on the contract included completion of 58 IPDS installations on various classes of ships including FFG, DDG, CG, DD, CVN, LPD, AOE, and LHA class ships.
Mid-West Zone (5)	3.18 Training	Support on the contract included completion of 58 IPDS installations on various classes of ships including FFG, DDG, CG, DD, CVN, LPD, AOE, and LHA class ships.
Mid-West Zone (5)	3.19 In-Service Eng	Support on the contract included completion of 58 IPDS installations on various classes of ships including FFG, DDG, CG, DD, CVN, LPD, AOE, and LHA class ships. Support on the contract included thirteen TISS installations on non CORT FFG-7 ships. Developed ICDs to support these installations.
Mid-West Zone (5)	3.20 Program Support	NSWC Crane and SAIC managers developed a joint proposal to add swimmer detection to NSWC Crane's IROS3 XE "Integrated Remote Optical Siting and Surveillance System (IROS3)". Mechanical engineering to support repackaging of electronic systems such as IROS3 and AN/ALE-47 improved flight line payload simulator. Performed design, prototype and installation of battery thermal test cells. Design review and prototyping of an electronic remote detonating device for special operations. Conducted overall management for the development of the Marine Corps Antenna (MCA) prototype.
Mid-West Zone (5)	3.21 Administrative Support	In support of the Marine Corps Ammunition Logistics Branch's Mine Clearing System ISEA assignments, we visited every active and reserve unit to investigate, inspect, repair, or replace deployed equipment.
SOUTHWEST ZONE		
Southwest Zone (6)	3.1 R&D Support	Performed analysis using nonlinear dynamics and stochastic resonance processing techniques to enhance theoretical and operational performance of electromagnetic sensor designs, increase electromagnetic noise reduction and signal extraction processing, and increase multi-element acoustic array target detection performance.
Southwest Zone (6)	3.2 Engineering Support	Direct support for Cruiser Conversion and Destroyer Modernization test and evaluation management planning. This work involves coordination with all NAVSEA and fleet activities, and includes full-up-round support for the MK 92 Fire Control System. Redesigned the command and control system consisting of a commercial telecommunications link and a signal processing system to display and analyze data from wet-end hardware. Developed test procedures and test support tools and equipment, conducted integration, deployment, operations, and recovery tests on small fiber optic cables. Performed analysis using nonlinear dynamics and stochastic resonance processing techniques to enhance theoretical and operational performance of electromagnetic sensor designs, increase electromagnetic noise reduction and signal extraction processing, and increase multi-element acoustic array target detection performance.
Southwest Zone (6)	3.3 Modeling	Support for the MK 41 VLS launcher includes all aspects technical documentation support, modeling and simulation for selected missile canister components and other in-service engineering functions Employed modeling and simulation to assist in performing reliability and maintainability allocations, assessments, and analysis.
Southwest	3.4 Prototyping	Supported NSWC Port Hueneme for all variants of the Standard Missile Program,

Zone	Functional Area	ASC Experience
Zone (6)		<p>providing inservice engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Support for the MK 41 VLS launcher includes all aspects technical documentation support, modeling and simulation for selected missile canister components and other in-service engineering functions. Wired and tested the acoustic array interface board, power connections, and data connections. Populated and tested the E-field sensor board, molded and tested the E-field cable harness, and wired the magnetic array interface board Performed mathematical modeling and software simulation of propagation of biological and chemical particles through the air.</p>
Southwest Zone (6)	3.5 System Design Doc/ Tech Data	<p>Provided test and evaluation support for the USS KENNEDY Road to OPEVAL and for the NIMITZ and REAGAN Strike Groups. This support included test documentation, Configuration Control Board (CCB) chairmanship and participation, underway test event scheduling and coordination with all units. Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Redesigned the command and control system consisting of a commercial telecommunications link and a signal processing system to display and analyze data from wet-end hardware. Support for the MK 41 VLS launcher includes all aspects of technical documentation support, modeling and simulation for selected missile canister components and other in-service engineering functions. Supports all Self Defense Test Ship (SDTS) live fire events, providing event scheduling, live fire test documentation and analysis and analysis and development of exhibits supporting the SDTS.</p>
Southwest Zone (6)	3.6 Software	<p>Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Performed mathematical modeling and software simulation of propagation of biological and chemical particles through the air. Performed Weapons Assessment Model (WAM) software development from inception using a PC, through UNIX and to C++ object orientation to enable effective long-term maintenance for three Navy systems. Performed software programming using Access, SQL, and Visual Basic SSI designs program database applications for document control, inventory, parts configuration, and missile build-up. They develop interface programming for various legacy, flat and non-relational databases to exchange data with state of- the-art relational object-oriented databases and migrate data developed in legacy software programs to state-of-the-art database tools.</p>
Southwest Zone (6)	3.7 RM&A	<p>Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Employed modeling and simulation to assist in performing reliability and maintainability allocations, assessments, and analysis.</p>
Southwest Zone (6)	3.8 HF Engineering Support	<p>Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes.</p>
Southwest Zone (6)	3.9 System Safety	<p>Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes.</p>

Zone	Functional Area	ASC Experience
		Ordnance safety assessments, ordnance safety briefs, and post-loadout assist visits. We also ensure that handling and transporting of weapons is performed using the correct equipment and provide OJT as needed.
Southwest Zone (6)	3.10 CM Support	Provided test and evaluation support for the USS KENNEDY Road to OPEVAL and for the NIMITZ and REAGAN Strike Groups. This support included test documentation, Configuration Control Board (CCB) chairmanship and participation, underway test event scheduling and coordination with all units. Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Provided configuration management of IT hardware, software and digital knowledge. As part of this effort, manages, supports and maintains 30 LANs in six geographically disperse locations using processes that are ISO 9000 registered.
Southwest Zone (6)	3.11 Quality Assurance (QA)	Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes.
Southwest Zone (6)	3.12 IS/IA/IT	Provided test and evaluation support for the USS KENNEDY Road to OPEVAL and for the NIMITZ and REAGAN Strike Groups. This support included test documentation, Configuration Control Board (CCB) chairmanship and participation, underway test event scheduling and coordination with all units. Provided configuration management of IT hardware, software and digital knowledge. As part of this effort, manages, supports and maintains 30 LANs in six geographically disperse locations using processes that are ISO 9000 registered.
Southwest Zone (6)	3.13 Ship Inactivation/ Disposal	AMSEC contracted with NAVSHIPSO for USS CONSTELLATION deactivation in San Diego.
Southwest Zone (6)	3.14 Interoperability/T&E/Trials	Provided test and evaluation support for the USS KENNEDY Road to OPEVAL and for the NIMITZ and REAGAN Strike Groups. This support included test documentation, Configuration Control Board (CCB) chairmanship and participation, underway test event scheduling and coordination with all units. Direct support for Cruiser Conversion and Destroyer Modernization test and evaluation management planning. This work involves coordination with all NAVSEA and fleet activities, and includes full-up-round support for the MK 92 Fire Control System Supports all Self Defense Test Ship (SDTS) live fire events, providing event scheduling, live fire test documentation and analysis and development of exhibits supporting the SDTS. Developed test procedures and test support tools and equipment, conducted integration, deployment, operations, and recovery tests on small fiber optic cables. Performed near real-time analysis of fleet tests from the missile to force level using embedded data collection systems, special purpose instrumentation, distributed network architecture and rigorous application of standard criteria.
Southwest Zone (6)	3.15 Measure Facilities	For NUWC Keyport in San Diego, AMSEC provides technical support in testing underway fleet units including SESEF, FORACS, SCIUR, MSF and SCORE.
Southwest Zone (6)	3.16 Acquisition Logistics	Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Perform reviews of software and hardware engineering for logistics impacts. SSI also assists in the development of Engineering Change Proposals (ECPs) for weapon systems and develops engineering drawings using AutoCAD software to depict the physical configuration of systems and equipment.
Southwest Zone (6)	3.17 Supply & Provisioning	Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system

Zone	Functional Area	ASC Experience
		components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. Perform reviews of software and hardware engineering for logistics impacts. SSI also assists in the development of Engineering Change Proposals (ECPs) for weapon systems and develops engineering drawings using AutoCAD software to depict the physical configuration of systems and equipment.
Southwest Zone (6)	3.18 Training	Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in-service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. With the Air Force Flight Test Center at Edwards Air Force Base, SSI personnel develop classroom training materials, scenario-based training exercises, and hands-on training exercises using the Instructional Systems Design (ISD) method, for all military personnel stationed at EAFB. They develop curriculum, conduct logistics required to execute training, and provide instruction in support of deployment skills, anti-terrorism techniques, and war skills training.
Southwest Zone (6)	3.19 In-Service Eng	Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes. AMSEC provides technicians to conduct CS/IC switchboard, installations, grooms, repairs, ship checks, surveys and emergent CASREP response in all ship classes.
Southwest Zone (6)	3.20 Program Support	Direct support for Cruiser Conversion and Destroyer Modernization test and evaluation management planning. This work involves coordination with all NAVSEA and fleet activities, and includes full-up-round support for the MK 92 Fire Control System. Supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in-service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes.
Southwest Zone (6)	3.21 Administrative Support	Direct support for Cruiser Conversion and Destroyer Modernization test and evaluation management planning. This work involves coordination with all NAVSEA and fleet activities, and includes full-up-round support for the MK 92 Fire Control System. Under N63394-98-D-1106, supported NSWC Port Hueneme for all variants of the Standard Missile Program, providing in-service engineering, test and evaluation of missile system components; and the development of all technical documentation in paper and digital formats, and design and development of test sets and prototypes.