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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	22.089	30.889	37.448	-	37.448	36.047	35.084	27.868	16.433	Continuing	Continuing
675059: Strategic War Planning System (SWPS)	-	10.007	21.155	26.400	-	26.400	28.100	29.000	24.300	12.800	Continuing	Continuing
675282: Joint Navigation Warfare Center (JNWC)	-	8.960	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675368: GSIN (Global Integrated Sensor Network)	-	3.122	9.734	11.048	-	11.048	7.947	6.084	3.568	3.633	Continuing	Continuing
MDAP/MAIS Code(s): N43												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
In FY 2013, 675282, Joint Navigation Warfare Center, efforts were transferred to PE 0105921F, Service Support to STRATCOM Space Activities in order to properly execute program.												
A. Mission Description and Budget Item Justification												
The mission of USSTRATCOM is to establish and provide full-spectrum global strike, coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives, and to provide operational space support, integrated missile defense, Global Command Control Communications and Computers Intelligence Surveillance and Reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. This mission has been defined by the 2002 Unified Command Plan (UCP) changes 1 and 2. To enable completion of these missions, USSTRATCOM is modernizing the Integrated Strategic Planning and Analysis Network (ISPAN) (formerly known as SWPS), developing information systems and techniques to counter and conduct Navigation Warfare (NAVWAR) and establishing a unified national architecture integrating disparate Missile Warning/Missile Defense (MW/MD) systems into a single Internet Protocol (IP)-based system known as the Global Sensor Integrated Network (GSIN) to provide redundant and unambiguous MW/MD data to national leadership. When the ISPAN modernization is complete the system will support the warfighter in both deliberate and adaptive planning environments while allowing the National Command Authorities to employ the full spectrum of kinetic and non-kinetic weapons. The ISPAN system will continue to evolve as weapon systems are matured, new systems are developed, and the threat changes, particularly in the area of worldwide proliferation of Weapons of Mass Destruction (WMD).												
Navigation Warfare (NAVWAR) is a warfighting application of electronic warfare (EW), Information Operations (IO) and space control (SC) employing various techniques and technologies to negate or prevent hostile use of positioning, navigation, and timing (PNT) information and protect unimpeded use of PNT information by U.S., Allied, and Coalition Forces while not unduly disrupting peaceful use outside an area of operation. The Joint Navigation Warfare Center (JNWC) was established to integrate and coordinate NAVWAR PNT capabilities across the mission areas of intelligence, surveillance, reconnaissance, information operations, electronic												

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warfare, and space control. The JNWC is also commissioned to integrate NAVWAR into space operations and assists the warfighter with subject matter expertise to "operationalize" NAVWAR, encouraging the NAVWAR view that the Global Positioning System is a taskable weapons system in addition to being a worldwide PNT service. The JNWC establishes and maintains the Department's premier basis of NAVWAR expertise, and provides subject matter expertise and knowledge support to warfighters, Department decision makers, the Federal Interagency (the Department of Homeland Security and other civil agencies concerned with the Critical National Infrastructure), and the coalition through testing and evaluation; modeling, simulation and analysis; and exercise and training support.

The nation's strategic Command and Control (C2), sensors and mission planning programs cannot rapidly exchange information across multiple missions, creating ambiguity that delays time critical national C2 decision making processes. GSIN establishes a unified national architecture integrating disparate MW/MD systems into a single IP-based system providing redundant and unambiguous MW/MD data to national leadership. GSIN nets together all sensors, from tactical to strategic, including the Nation's most modern and capable assets - taking advantage of their larger numbers, improved algorithms, mobility and forward deployment to provide earlier cross-cueing and expanded decision space when every second counts. GSIN will permit an IP-based User Defined Operational Picture (UDOP) to augment voice conferencing and rapidly build a single, unambiguous missile event picture allowing real-time senior collaboration for nuclear C2 and improved senior leader situational awareness (SA) and decision-making.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	22.791	30.889	11.920	-	11.920
Current President's Budget	22.089	30.889	37.448	-	37.448
Total Adjustments	-0.702	0.000	25.528	-	25.528
• Congressional General Reductions	-	0.000			
• Congressional Directed Reductions	-	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	-	0.000			
• Congressional Directed Transfers	-	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.702	0.000			
• Other Adjustments	0.000	0.000	25.528	-	25.528

Change Summary Explanation

- FY2014, 675059, SWPS increased \$26.4M to continue development of ISPAN Increment 4
- FY2014, 675368, GSIN reduced \$0.9M for higher AF priorities

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM				PROJECT 675059: Strategic War Planning System (SWPS)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
675059: Strategic War Planning System (SWPS)	-	10.007	21.155	26.400	-	26.400	28.100	29.000	24.300	12.800	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

The mission of USSTRATCOM is to establish and provide full-spectrum global strike, coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives, and to provide operational space support, integrated missile defense, Global Command Control Communications and Computers Intelligence Surveillance and Reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. This mission has been defined by the 2002 Unified Command Plan (UCP) changes 1 and 2. To enable these missions, the Integrated Strategic Planning and Analysis Network (ISPAN) (formerly known as SWPS) must be capable of both deliberate and adaptive planning employing the full spectrum of kinetic and non-kinetic weapons. The planning system will continue to evolve as weapon systems are matured, new systems are developed, and the threat changes, particularly in the area of worldwide proliferation of Weapons of Mass Destruction (WMD).

The ISPAN modernization program includes initiation of Course of Action (COA) Development as a service to the DoD enterprise, workflow and decision support development, Combatant Commander (COCOM) Collaboration, User Defined Operational Picture (UDOP), conventional mission planning integration, and Mission Planning Analysis System (MPAS) maintenance and modernization. This includes software coding, integration of multiple internal and external planning applications, as well as developmental and early operational test activities. ISPAN also includes automated data processing equipment (ADPE), software, facilities support, manpower, and training to support the mission objectives of ISPAN, associated deployable and distributed data processing nodes, and subsidiary systems. Activities also include studies and analysis to support both current program planning and execution and future program planning.

ISPAN Increment 2 develops the next increment of planning tools for ISPAN Collaborative Information Environment (CIE). It builds on capabilities delivered during Block 1 and develops advanced decision support capabilities for senior leader situational awareness through enhanced data analysis and visualization. ISPAN Increment 3 (when directed) will continue the development of expanded planning tools for CIE. ISPAN Increment 4 will modernize the Mission Planning and Analysis System (MPAS), the system that develops Joint Staff Level I through Level IV nuclear and conventional attack options for national and theater requirements. Increment 4 will fulfill MPAS requirements by reducing Crisis Action Planning and Time Sensitive Planning timelines, integrating nuclear and conventional kinetic weapon capabilities with non-kinetic effects, providing the capability to integrate planning and analysis capabilities of future Global Strike weapons, updating the MPAS system to provide the ability to train users in significantly less time, and leveraging new technologies to lower sustainment costs. Increment 4 will consist of three development spirals over a five year period, which includes testing and validation of the new capability.

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This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2012	FY 2013	FY 2014
Title: ISPAN Increment 2 Modernization Description: Funds the next increment of planning tools for the ISPAN Collaborative Information Environment (CIE). Increment 2 continues by building on capabilities delivered in Block 1. Increment 2 will develop advanced decision support capabilities for senior leader situational awareness through enhanced data analysis and visualization, and expand development of services and operational nodes to support Global Information Grid (GIG) Enterprise services and distributed operation. FY 2012 Accomplishments: Continued Increment 2 development effort and enhancing planned capabilities. FY 2013 Plans: Completes Increment 2 development effort FY 2014 Plans: N/A			7.879	2.800	0.000
Title: ISPAN Increment 3 Description: Funds pre-Milestone B risk reduction activities for the next increment of planning tools for the ISPAN CIE. Builds on the capabilities and technology in Block 1 and Increment 2, to achieve a more complete implementation of the joint operation planning process that includes collaborative campaign/contingency planning and integrated COA development to meet the desired crisis action and time sensitive planning timelines. FY 2012 Accomplishments: N/A FY 2013 Plans: Funds pre-Milestone B risk reduction activities for the next increment of planning tools for the ISPAN CIE. Builds on capabilities and technology in Block 1 and Increment 2, to achieve a more complete implementation of the joint operation planning process that includes collaborative campaign/contingency planning and integrated COA development to meet the desired crisis action and time sensitive planning timelines. FY 2014 Plans: N/A			0.000	7.655	0.000
Title: ISPAN Increment 4 (MPAS Modernization)			0.000	8.163	23.827

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
<p>Description: ISPAN Increment 4 MPAS Modernization reduces Crisis Action Planning and Time Sensitive Planning timelines, integrates nuclear and conventional kinetic weapon capabilities with non-kinetic effects, and provides the capability to integrate planning and analysis capabilities of future Global Strike weapons. ISPAN Inc 4 is an evolution of the Block 1 baseline system using proven technologies.</p> <p>FY 2012 Accomplishments: N/A</p> <p>FY 2013 Plans: Funds pre-Milestone B risk reduction activities including studies and analyses to identify the best approach to increase system robustness, enhance plan optimization and improve planning timelines.</p> <p>FY 2014 Plans: Will initiate requirements analysis, design, coding, and test for development of new Mission Planning and Analysis System (MPAS) capabilities. These capabilities include a new Plan Manager to orchestrate the crisis action planning processes. It also includes development of a new Attack Structure Manager capability (which will optimize on-the-shelf plans in reaction to changes in weapons, weapon availability, targets, and environment), a new Strike Option Generator capability (which will automatically generate strike plan options given a set of constraints and priorities), and a new Data Services Layer/Data Layer which will provide access to common services and data external to MPAS. Will also initiate activities for the reengineering of legacy components (e.g. Air Vehicle Planning System, Ballistic Missile Planning System, Aimpoint Construction System, and Plan Quality Review System).</p>			
<p>Title: Program Management Administration</p> <p>Description: Program Management Administration costs support management with engineering and technical for development and implementation of ISPAN increments.</p> <p>FY 2012 Accomplishments: Supported program management with program control, systems engineering, and technical operations for development and implementation of ISPAN Increment 2.</p> <p>FY 2013 Plans: Supports program management with program control, systems engineering, and technical operations for development and implementation of ISPAN Increment 2 and Increment 4.</p> <p>FY 2014 Plans:</p>		2.128	2.537
			2.573

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B. Accomplishments/Planned Programs (\$ in Millions)								FY 2012	FY 2013	FY 2014	
Will support program management operations to include program control, cost estimating, systems engineering, and technical operations for development and implementation of ISPAN Increment 4. Will provide required acquisition reporting products (i.e. cost estimates, engineering analysis, required documentation) at various key program timeline requirements.											
Accomplishments/Planned Programs Subtotals								10.007	21.155	26.400	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• OPAF: BA07: Line Item # 833140: <i>Strategic War Planning System</i>	13.240	9.197	11.023		11.023	7.037	7.192	7.289	7.420	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
ISPAN will develop and modernize strategic planning tools for the combatant commanders using an evolutionary acquisition strategy with development contracts that are negotiated and awarded in a competitive environment.											
E. Performance Metrics											
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>						PROJECT 675059: <i>Strategic War Planning System (SWPS)</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ISPAN Increment 2 Modernization	C/CPAF	Lockheed Martin Integrated Systems:Papillion, NE	-	7.565	Oct 2011	2.800	Dec 2012	0.000		-		0.000	Continuing	Continuing	164.783
ISPAN Increment 3	C/CPAF	TBD:TBD,	-	0.000		5.213	May 2013	0.000		-		0.000	Continuing	Continuing	TBD
ISPAN Increment 4 (MPAS Modernization)	TBD	TBD:TBD,	-	0.000		10.700	May 2013	23.513	Apr 2014	-		23.513	Continuing	Continuing	TBD
Subtotal			0.000	7.565		18.713		23.513		0.000		23.513			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Responsible Test Organization	Various	Various:Various,	-	0.239	Oct 2011	0.239	Oct 2012	0.239	Oct 2013	-		0.239	Continuing	Continuing	TBD
Certification and Accreditation	MIPR	JTIC:Ft Hichuaha, AZ	-	0.075	Oct 2011	0.075	Oct 2012	0.075	Oct 2013	-		0.075	Continuing	Continuing	TBD
Subtotal			0.000	0.314		0.314		0.314		0.000		0.314			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FFRDC Support	C/T&M	Mitre Corp:Offutt AFB, NE	-	0.795	Oct 2011	0.795	Oct 2012	0.795	Oct 2013	-		0.795	Continuing	Continuing	TBD

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>				PROJECT 675059: <i>Strategic War Planning System (SWPS)</i>					

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	C/Various	Various:Various,	-	1.333	Oct 2011	1.333	Oct 2012	1.778	Oct 2013	-		1.778	Continuing	Continuing	TBD
Subtotal			0.000	2.128		2.128		2.573		0.000		2.573			

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	10.007	21.155	26.400	0.000	26.400			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

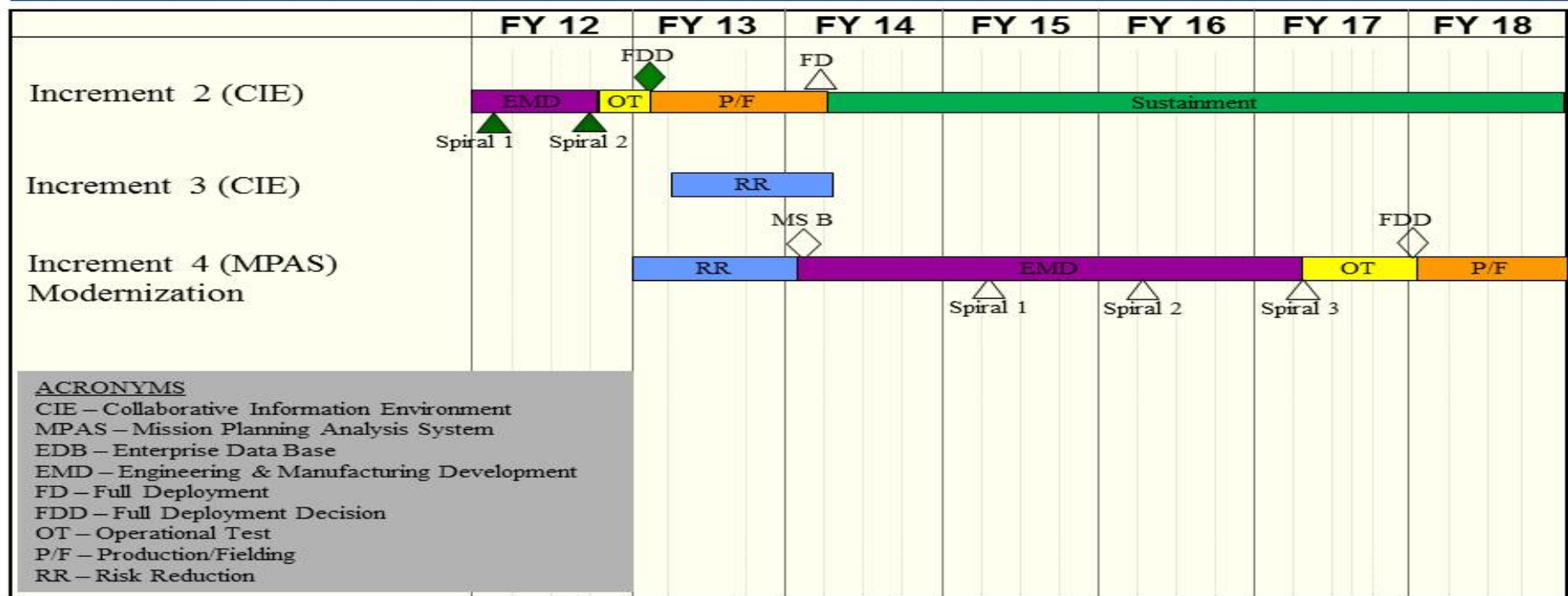
PE 0101313F: Strat War Planning System -
USSTRATCOM

PROJECT

675059: Strategic War Planning System
(SWPS)



ISPAN Schedule



Concept
 Design / Development
 Production / Fielding
 Integration / Test
 Sustainment

Integrity - Service - Excellence

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675059: <i>Strategic War Planning System (SWPS)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ISPAN Increment 2 (CIE) Design/Development	1	2012	3	2012
ISPAN Increment 2 (CIE) Spiral 2 Delivery	3	2012	3	2012
ISPAN Increment 2 (CIE) OT	3	2012	1	2013
ISPAN Increment 2 (CIE) FDD	1	2013	1	2013
ISPAN Increment 2 (CIE) FD	1	2014	1	2014
ISPAN Increment 3 Risk Reduction	2	2013	2	2014
ISPAN Increment 4 (MPAS) Risk Reduction	1	2013	1	2014
ISPAN Increment 4 (MPAS) Milestone B	1	2014	1	2014
ISPAN Increment 4 (MPAS) Spiral 1 Delivery	2	2015	2	2015
ISPAN Increment 4 (MPAS) Spiral 2 Delivery	2	2016	2	2016
ISPAN Increment 4 (MPAS) Spiral 3 Delivery	2	2017	2	2017
ISPAN Increment 4 (MPAS) FDD	1	2018	1	2018

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM				PROJECT 675282: Joint Navigation Warfare Center (JNWC)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
675282: Joint Navigation Warfare Center (JNWC)	-	8.960	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

In FY 2013, 675282, Joint Navigation Warfare Center, efforts transferred to PE 0105921F, Service Support to STRATCOM Space Activities (O&M).

A. Mission Description and Budget Item Justification

Navigation Warfare (NAVWAR) is deliberate defensive and offensive action to assure and prevent positioning, navigation, and timing (PNT) information through coordinated employment of space, cyberspace, and electronic warfare (EW) operations. The term NAVWAR is sometimes equated with "PNT Superiority". The Joint Navigation Warfare Center (JNWC) was established by DEPSECDEF Memo, 17 November 2004, as the DoD Center of Excellence, tasked to integrate and coordinate NAVWAR PNT capabilities across electronic spectrum, cyberspace, and space operations. NAVWAR leverages various techniques and technologies from these mission areas to negate or prevent hostile use of PNT information and protect unimpeded use of PNT information by U.S., Allied, and Coalition Forces while not unduly disrupting peaceful use outside an area of operation. The JNWC develops and maintains the Department's premier collection of NAVWAR knowledge, and provides subject matter expertise support to warfighters, Department decision makers, the Federal Interagency (the Department of Homeland Security and other civil agencies concerned with the Critical National Infrastructure), and the Coalition. NAVWAR expertise is developed in part by execution of PNT Operational Field Assessments (POFAs), modeling and simulation, analysis, and exercise and training support. In recent years, the Global Positioning System (GPS) has become one of the most critical enablers of modern advanced technology warfare. In an era where everything from advanced weapons systems and networks to basic goods and services are tracked, guided or disciplined by PNT systems such as GPS, NAVWAR is an ever increasing capability of interest and concern, especially if PNT systems are interrupted or lost. Likewise, as Global Navigation Satellite Systems (GNSS) proliferate, it becomes necessary to consider not only denying adversary use of GPS but also negating adversary use of alternate GNSS systems for PNT. The primary mission of the JNWC is to provide joint warfighter NAVWAR support through three broad mission areas:

a. Warfighter Operational Support - The JNWC applies knowledge of PNT vulnerabilities, prevention capabilities, and system operations to integrate NAVWAR as an element of warfighting operations. The JNWC provides reach-back capabilities to assist in resolving NAVWAR issues, address situations involving degradation or denial of PNT capabilities, and recommend actions to mitigate effects of both hostile and non-hostile events. The JNWC develops and maintains current information for the warfighter and theater commanders to include assessments of adversary capabilities, assessments of coalition capabilities and limitations, and other topics of special interest. The JNWC also provides subject matter expertise and knowledge support to Department acquisition and policy decision makers, the Federal Interagency (the Department of Homeland Security and other civil agencies concerned with the Critical National Infrastructure), and the coalition.

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APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675282: <i>Joint Navigation Warfare Center (JNWC)</i>
<p>b. Test, Training, Exercises, and Experiments - This JNWC mission area is the centerpiece for maintaining NAVWAR currency of information for the warfighter. The JNWC conducts annual NAVWAR field test events, and provides NAVWAR technical assistance for training, exercises and experiments. The JNWC, as part of this effort, maintains Integrated Joint NAVWAR Test Roadmaps and current intelligence products on adversary NAVWAR capabilities and Coalition NAVWAR capabilities and vulnerabilities. JNWC GYPSY field test events focus on fielded operational systems and capabilities to integrate NAVWAR and PNT operations, to baseline current NAVWAR electronic protection, support, and attack capabilities, and to assist warfighters optimize and deconflict theater/tactical assets. JNWC FORTUNE field test events are more engineering focused and are used to evaluate specific NAVWAR capabilities or vulnerabilities, and to reduce engineering risk for GYPSY events. Test, training, exercise and experiment activities: 1) prepare the joint warfighter for operations in current and rapidly evolving NAVWAR threat environments; 2) establish priorities, standardized operational procedures for tactics, techniques, and procedures; 3) test electronic attack CONOPs to endure deconfliction and optimization with other operations to mitigate blue force fratricide; and 4) evolve standardized test methods.</p> <p>c. Navigation Warfare Information Analysis Center (IAC) - The JNWC develops and maintains methods, standards, models and simulations used in NAVWAR analysis and operates the NAVWAR Information Analysis Center (IAC). JNWC evaluates new models for accuracy and applicability to specific situations and rapidly evolving threat environments. It also develops and maintains standard test methodologies created solely by the U.S. as well as test methods developed in collaboration with coalition partners. These standard methodologies ensure data sharing is efficient and effective, and ensures accurate feedback to the operational communities. The JNWC, as part of this effort, manages the GPS EA Frequency Clearance process and conducts independent analysis and verification of EA frequency clearance requests. It also maintains and upgrades the Global Positioning System Reliability Prediction Model (GPS-RPM) frequency clearance model as required and conducts modeling and simulation exercises on GPS interference to include test and exercise threat laydowns for DoD organizations unable to perform their own modeling. The NAVWAR IAC serves as a source of NAVWAR information and technical expertise for DoD researchers, engineers, program managers, warfighters, testers, and others. It collects, analyzes, synthesizes, and disseminates scientific and technical information in clearly defined specialized subject areas. It promotes standardization by: 1) providing in-depth analyses; 2) creating products that respond to technical inquiries; 3) preparing state-of-the-art reports, handbooks, and databases; 4) conducting technology assessments; and 5) supporting the exchange of information within the NAVWAR community. Activities also include studies and analysis to support both current program planning and execution and future program planning.</p> <p>This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.</p>			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
Title: NAVWAR Ops Support		2.244	0.000
Description: NAVWAR Operational Warfighter Support			
FY 2012 Accomplishments: Continued COCOM reachback analysis support to develop adversary, threat and intel assessments.			
FY 2013 Plans:			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675282: <i>Joint Navigation Warfare Center (JNWC)</i>
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
N/A			
FY 2014 Plans: N/A			
Title: NAVWAR Test, Training, Exercises and Experiments Description: PNT Operational Field Assessments (FORTUNE) FY 2012 Accomplishments: Funds supported Field Tests, NATO trials, U.S. PNT Tests, Exercises and Experiments. FY 2013 Plans: N/A FY 2014 Plans: N/A		3.662	0.000
Title: NAVWAR Modeling, Simulation, Tools and Methods Description: Funds support the Information Analysis Center (IAC) to develop Global Positioning System Reliability Prediction Model (GPS-RPM) Upgrades, GPS frequency clearance evaluations, modeling and simulation methodologies, standards and analyses. FY 2012 Accomplishments: Continued support for the IAC, will develop additional GPS-RPM Upgrades, GPS frequency clearance evaluations, modeling and simulation methodologies, standards and analyses. FY 2013 Plans: N/A FY 2014 Plans: N/A		3.054	0.000
Accomplishments/Planned Programs Subtotals		8.960	0.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675282: <i>Joint Navigation Warfare Center (JNWC)</i>
<p><u>D. Acquisition Strategy</u></p> <p>NAVWAR will investigate, test, and simulate potential threats and mitigation strategies for preventing the hostile use of Positioning, Navigation and Timing (PNT) information through the use of competitive contracts and selective employment of government agencies.</p> <p><u>E. Performance Metrics</u></p> <p>Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM						PROJECT 675282: Joint Navigation Warfare Center (JNWC)			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
NAVWAR Warfighter Operational Support	C/T&M	Overlook Systems Technologies Inc.:Vienna VA; Kirtland AFB, NM	-	2.244	Dec 2011	0.000		0.000		-		0.000	Continuing	Continuing	TBD
NAVWAR Modeling, Simulation, Tools & Methods	C/CPAF	Overlook Systems Technologies Inc.:Vienna VA; Kirtland AFB, NM	-	3.054	Dec 2011	0.000		0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	5.298		0.000		0.000		0.000		0.000			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FORTUNE and GYPSY field tests, NATO trials, US Tests, Exercises and Experiments	PO	Multiple Gov Agencies:Vienna VA; Kirtland AFB, NM	-	3.662	Dec 2011	0.000		0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	3.662		0.000		0.000		0.000		0.000			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force										DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM				PROJECT 675282: Joint Navigation Warfare Center (JNWC)				
	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	8.960		0.000		0.000		0.000		0.000			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

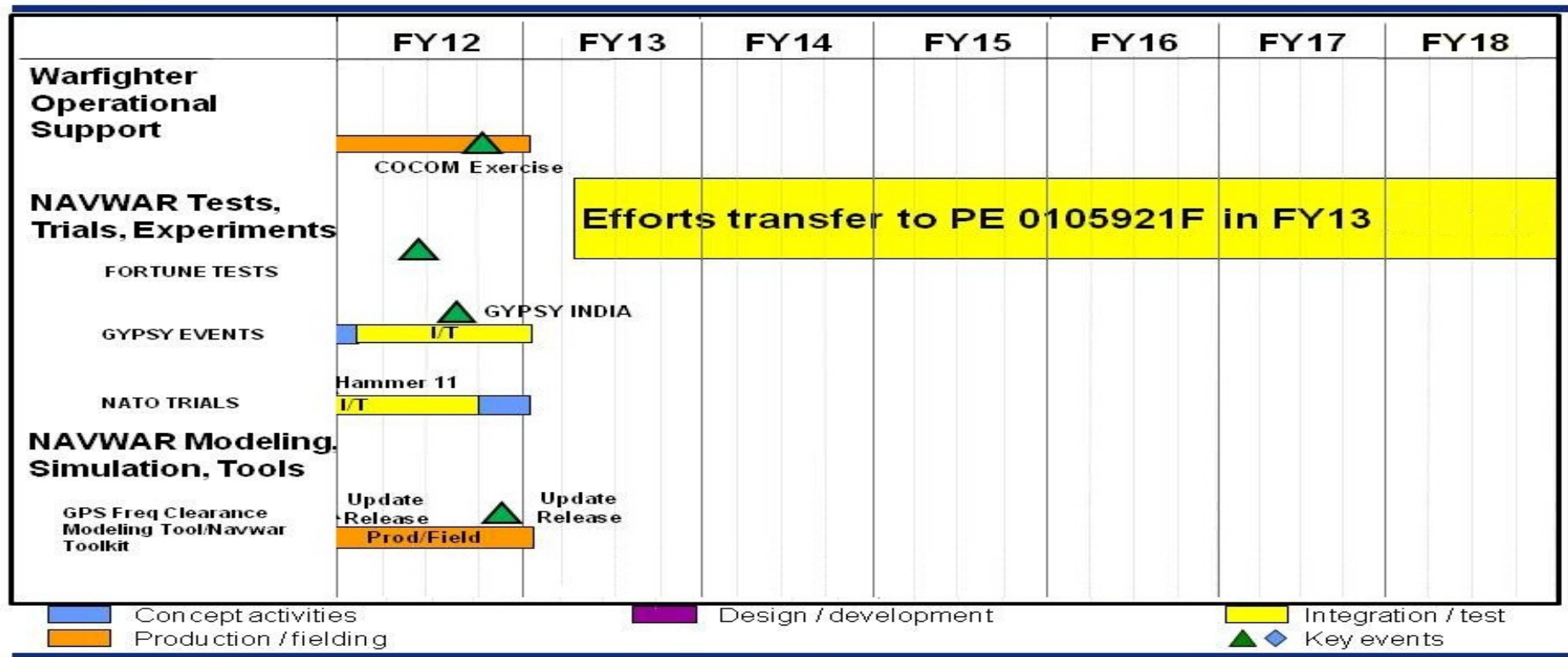
PE 0101313F: Strat War Planning System -
USSTRATCOM

PROJECT

675282: Joint Navigation Warfare Center
(JNWC)



NAVWAR Program Schedule



Current as of 1 Aug 12

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675282: <i>Joint Navigation Warfare Center (JNWC)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Warfighter Operational Support Combatant Command Exercise	4	2012	4	2012
FORTUNE Field Test 2	2	2012	2	2012
GYPSY INDIA Field Test	3	2012	3	2012
GPS Frequency Clearance Modeling Tool Update Release 2	4	2012	4	2012

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM				PROJECT 675368: GSIN (Global Integrated Sensor Network)			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
675368: GSIN (Global Integrated Sensor Network)	-	3.122	9.734	11.048	-	11.048	7.947	6.084	3.568	3.633	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The mission of USSTRATCOM is to establish and provide full-spectrum, global strike, coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives, and to provide operational space support, integrated missile defense, Global Command Control Communications and Computers Intelligence Surveillance and Reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. This mission has been defined by the 2002 Unified Command Plan (UCP) changes 1 and 2, the CJCS Plan ORD and the USSTRATCOM Plan ORD. GSIN nets together selected systems and sensors, from tactical to strategic, including the Nation's most modern and capable assets, taking advantage of their larger numbers, improved algorithms, mobility and forward deployment to provide earlier cross-cueing and expanded decision space when every second counts. GSIN will enable a User Defined Operating Picture (UDOP) to provide a single, unambiguous missile event picture allowing real-time senior collaboration for nuclear C2, improved senior leader situational awareness (SA), and decision-making.												
The Nation's strategic C2, sensors and mission planning programs cannot rapidly exchange information across multiple missions, creating ambiguity that delays time critical national C2 decision making processes. GSIN establishes a unified schema integrating disparate Missile Warning/Missile Defense (MW/MD) data into a single exposed data set providing redundant and unambiguous MW/MD data to national leadership. GSIN enables existing sensors to provide data in net-centric formats consumable by other authorized systems and mission areas, thus reducing the need to acquire more sensors. Activities also include studies and analysis to support both current program planning, execution, and future program planning.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production fielding in the current or subsequent fiscal year.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: GSIN Increments 2 - Schema, Configuration Control, Technical Outreach									2.048	1.208	0.000	
Description: Continue to develop a common, XML net-enabled data schema to integrate Missile Warning, Missile Defense Sensor data for DISA Secret and below interoperability. Develop configuration control processes and procedures to manage the XML schema and associated XML messaging and services. Develop technical outreach for potential new GSIN data consumers and providers. Upgrade GSIN capabilities as DISA Enterprise Services evolve.												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM	PROJECT 675368: GSIN (Global Integrated Sensor Network)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Continued development of a common, XML net-enabled data schema to integrate Missile Warning, Missile Defense Sensor data for DISA Secret and below interoperability. Develop configuration control processes and procedures to manage the XML schema and associated XML messaging and services. Develop technical outreach to potential GSIN data consumers and providers. Upgrade GSIN capabilities as DISA Enterprise Services evolve. FY 2013 Plans: Continues incremental development of common, XML net-enabled data schema to integrate Missile Warning, Missile Defense Sensor data for DISA Secret and below interoperability. Begin technical support of Space Situational Awareness data. Develop and modify configuration control processes and procedures to manage the XML schema and associated XML messaging and services. Continue to develop technical outreach to potential GSIN data consumers and providers. Upgrade GSIN capabilities as DISA Enterprise Services evolve. FY 2014 Plans: N/A				
Title: GSIN Increment 3 - Launch Characterization, Data Services, and Data Integration Description: Support integration of Space Situational Awareness sensor data into the DoD Metadata Registry (MDR) and other appropriate registries/catalogs. Continue development of integrated Missile Warning and Missile Defense visualization and data software services to enable the display of data in a common operating picture. Conduct studies and demonstrations of data correlation, launch event characterization and assessment services for risk reduction evaluations. Continue modifications to data services. Continue studies to include demonstration and evaluation of Resource Broker and Space Situational Awareness capabilities. Minor enhancements and modifications to MD and MW data exposure services based on changes to common XML schema and DISA Enterprise Services. FY 2012 Accomplishments: Initiated efforts to support integration of Space Situational Awareness sensor data into the DoD Metadata Registry (MDR) and other appropriate registries/catalogs. Continued development of integrated Missile Warning and Missile Defense visualization and data software services to enable the display of data in a common operating picture. Conducted studies and demonstrations of data correlation, launch event characterization and assessment services for risk reduction evaluations. FY 2013 Plans: Support integration of Space Situational Awareness sensor data into the DoD Metadata Registry (MDR) and other appropriate registries/catalogs. Continue development of integrated Missile Warning and Missile Defense visualization and data software		0.474	1.321	0.400

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM	PROJECT 675368: GSIN (Global Integrated Sensor Network)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
services to enable the display of data in a common operating picture. Conduct studies and demonstrations of data correlation, launch event characterization and assessment services for risk reduction evaluations. Continue modifications to data services. Continue studies to include demonstration and evaluation of Space Situational Awareness capabilities. FY 2014 Plans: Will support integration of Space Situational Awareness sensor data into the DoD Metadata Registry (MDR) and other appropriate registries/catalogs. Continues development of integrated Missile Warning and Missile Defense visualization and data software services to enable the display of data in a common operating picture. Conducts studies and demonstrations of data correlation, launch event characterization and assessment services for risk reduction evaluations. Continues modifications to data services. Continues studies to include demonstration and evaluation of Resource Broker and Space Situational Awareness capabilities. Complete Minor enhancements and modifications to MD and MW data exposure services based on changes to common XML schema and DISA Enterprise Services.				
Title: GSIN Increment 4 - Exposure of SSA Data from Commercial, Owner-Operator, and Allied Non-Traditional Sensors (NDPP) Description: Design, develop, expose and integrate SSA data from Commercial, Owner-Operator, and Allied non-traditional sensors into space production systems and the Global Information Grid. Develop implementation plans to mature data exposure capabilities. FY 2012 Accomplishments: N/A FY 2013 Plans: Design and develop the exposure of SSA data from Commercial, Owner-Operator, and Allied non-traditional sensors into space production systems and the Global Information Grid. FY 2014 Plans: Continues to develop, expose and integrate SSA data from Commercial, Owner-Operator, and Allied non-traditional sensors into space production systems. Develop implementation plans to mature data exposure capabilities.		0.000	2.580	3.850
Title: GSIN Increment 5 - TPY-2 SSA, Schema, Configuration Control, Technical Outreach, Data Integration Description: Design, develop, test, expose and integrate SSA data from the missile defense AN/TPY-2 sensor into space production systems and the Global Information Grid. Develop implementation plans to mature data exposure capabilities. Continue to develop configuration control processes and procedures to manage the XML schema and associated XML messaging and services. Continue to develop technical outreach for potential new GSIN data consumers and providers. Upgrade GSIN capabilities as DISA Enterprise Services evolve. Conduct data integration, studies and demonstrations of data correlation, launch event characterization and assessment services for risk reduction evaluations.		0.000	3.765	5.913

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0101313F: Strat War Planning System - USSTRATCOM	PROJECT 675368: GSIN (Global Integrated Sensor Network)		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: N/A				
FY 2013 Plans: Initiates design and development activities for the exposure of SSA data from the missile defense AN/TPY-2 sensor into space production systems and the Global Information Grid.				
FY 2014 Plans: Continues development activities for the exposure and integration of SSA data from the missile defense AN/TPY-2 sensor into space production systems and the Global Information Grid. Continues development of configuration control processes and procedures to manage the XML schema and associated XML messaging and services. Continues development of technical outreach for potential new GSIN data consumers and providers. Upgrades GSIN capabilities as DISA Enterprise Services evolve.				
Title: SME Support		0.400	0.410	0.420
Description: Provide missile warning, missile defense, space, intelligence Subject Matter Expert Support.				
FY 2012 Accomplishments: Provided missile warning, missile defense, space, intelligence Subject Matter Expert Support.				
FY 2013 Plans: Provides missile warning, missile defense, space, and intelligence Subject Matter Expert Support.				
FY 2014 Plans: Will continue to provide missile warning, missile defense, space, and intelligence Subject Matter Expert Support.				
Title: Program Management Administration		0.200	0.450	0.465
Description: Provide program management operations to support GSIN program.				
FY 2012 Accomplishments: N/A				
FY 2013 Plans: N/A				
FY 2014 Plans: Will provide program management operations to support GSIN program.				
Accomplishments/Planned Programs Subtotals		3.122	9.734	11.048

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675368: <i>GSIN (Global Integrated Sensor Network)</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy GSIN will use existing contract vehicles to manage, develop and modernize the combined Space Situational Awareness/Missile Warning/Missile Defense data exposure architecture and solution. These contract vehicles are already in place and available.		
E. Performance Metrics Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>						PROJECT 675368: <i>GSIN (Global Integrated Sensor Network)</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Data Correlation, Visualization Architecture, Data Filtering Studies	C/CPAF	MIT/LL:Boston, MA	-	0.474	Nov 2011	1.121	May 2013	0.400	Mar 2014	-		0.400	Continuing	Continuing	TBD
Common Schema, Configuration and Control	C/CPFF	BAH:Omaha, NE	-	1.796	Oct 2011	1.208	May 2013	0.600	Mar 2014	-		0.600	Continuing	Continuing	TBD
Expose Space Situational Awareness Data-- Commercial, Owner/ Operator, Allied	C/CPAF	Lockheed Martin:Colorado Springs, CO	-	0.000		2.280	Jun 2013	3.350	May 2014	-		3.350	Continuing	Continuing	TBD
Expose Space Situational Awareness Data - AN/TPY-2 Sensor	C/CPAF	Raytheon:Woburn, MA	-	0.000		2.478	Jun 2013	3.697	May 2014	-		3.697	Continuing	Continuing	TBD
Expose Space Situational Awareness Data - AN/TPY-2 Sensor (2)	C/CPAF	Lockheed Martin:Huntsville, AL	-	0.000		0.900	Jun 2013	1.100	May 2014	-		1.100	Continuing	Continuing	TBD
Subtotal			0.000	2.270		7.987		9.147		0.000		9.147			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
MW, MD, Space Subject Matter Expert Support	C/CPFF	Various:Omaha, NE	-	0.400	Aug 2012	0.410	May 2013	0.420	May 2014	-		0.420	Continuing	Continuing	TBD
Subtotal			0.000	0.400		0.410		0.420		0.000		0.420			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
GSIN Testing	C/CPAF	Various:Omaha, NE	-	0.252	Mar 2012	0.887	Mar 2013	1.016	Jan 2014	-		1.016	Continuing	Continuing	TBD
Subtotal			0.000	0.252		0.887		1.016		0.000		1.016			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>				PROJECT 675368: <i>GSIN (Global Integrated Sensor Network)</i>					

Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration	C/FFP	Various:Omaha, NE	-	0.200	Jan 2012	0.450	Sep 2013	0.465	Sep 2014	-		0.465	Continuing	Continuing	TBD
Subtotal			0.000	0.200		0.450		0.465		0.000		0.465			

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	3.122	9.734	11.048	0.000	11.048			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force
BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0101313F: Strat War Planning System -
USSTRATCOM

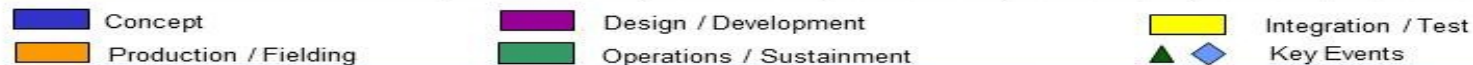
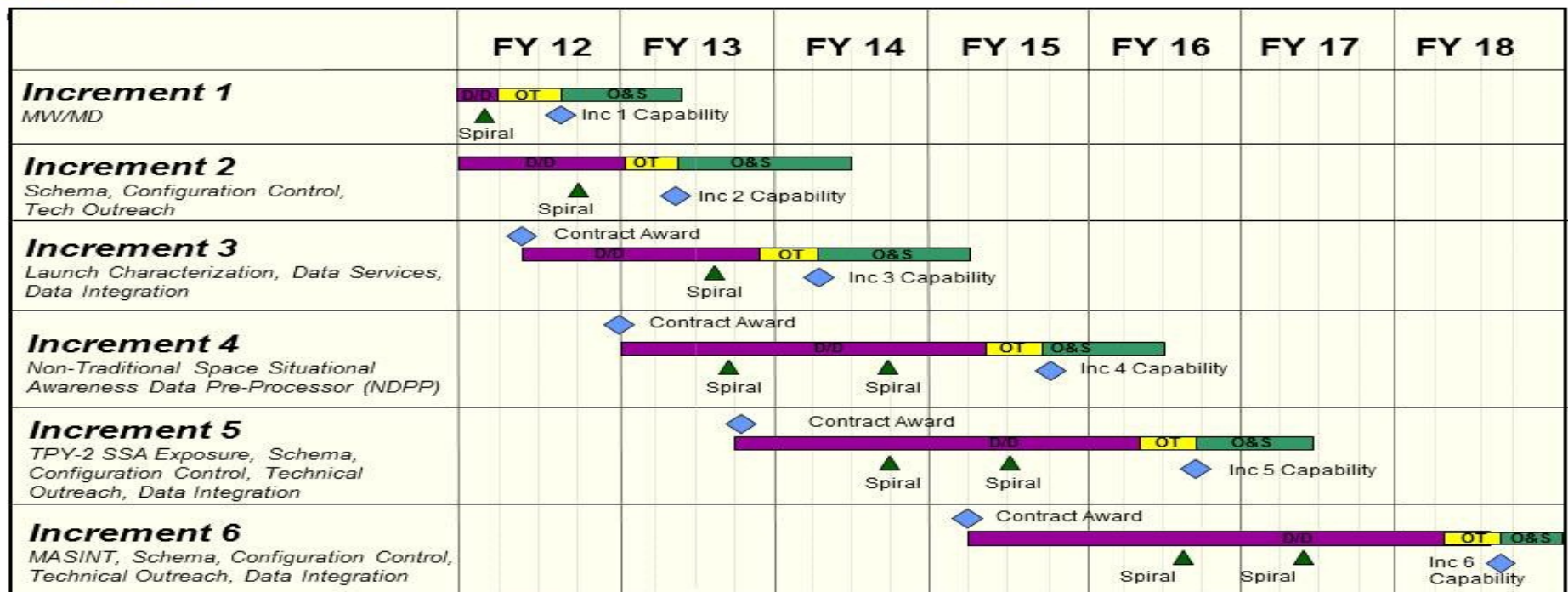
PROJECT

675368: GSIN (Global Integrated Sensor
Network)



U.S. AIR FORCE

GSIN Schedule



Integrity - Service - Excellence

1

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0101313F: <i>Strat War Planning System - USSTRATCOM</i>	PROJECT 675368: <i>GSIN (Global Integrated Sensor Network)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment 1 Spiral Delivery	1	2012	1	2012
Increment 1 Capability Delivered	3	2012	3	2012
Increment 2 Spiral Delivery	4	2012	4	2012
Increment 2 Capability Delivered	2	2013	2	2013
Increment 3 Contract Award	2	2012	2	2012
Increment 3 Spiral Delivery	3	2013	3	2013
Increment 3 Capability Delivered	2	2014	2	2014
Increment 4 Contract Award	1	2013	1	2013
Increment 4 Spiral 1 Delivery	3	2013	3	2013
Increment 4 Spiral 2 Delivery	3	2014	3	2014
Increment 4 Capability Delivered	4	2015	4	2015
Increment 5 Contract Award	4	2013	4	2013
Increment 5 Spiral 1 Delivery	4	2014	4	2014
Increment 5 Spiral 2 Delivery	3	2015	3	2015
Increment 5 Capability Delivered	3	2016	3	2016
Increment 6 Contract Award	1	2015	1	2015
Increment 6 Spiral 1 Delivery	3	2016	3	2016
Increment 6 Spiral 2 Delivery	2	2017	2	2017
Increment 6 Capability Delivered	3	2018	3	2018