

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft **P-1 Line Item Number / Title:** 0527 / AH-1W Series

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	693.152	6.645	-	-	-	-	-	-	-	-	-	699.797

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the AH-1W aircraft. Modifications prior to FY 1997 were funded in the H-1 Series P-1 line item. FY 2015 projected AH-1W quantities are 128. The AH-1W is a tandem-seat, two-place attack helicopter. The mission of the AH-1W attack helicopter is to provide rotary wing close air support, anti-armor, armed escort, armed/visual reconnaissance, survivability enhancements, and fire support under day/night and adverse weather conditions and special operations support; supporting arms coordination and aeromedical evacuation. The armament of the AH-1W includes the Sidewinder, Hellfire, and Tube-launched Optically-tracked Wire-guided missile systems, a chin-mounted 20mm turret gun, and wide variety of forward-firing and gravity-released external stores. H-1 will continue to upgrade the applicable aircraft sensor and avionics systems and subsystems as well as the weapons rocket delivery system which includes the Advance Precision Kill Weapons System. In addition, air vehicle improvements requiring critical reliability enhancements are incorporated. The platform will continue to fulfill the operational requirements to detect, identify, and destroy tactical-sized armored targets with precision guided munitions during the day, at night, and during adverse weather, as well as providing enhanced conventional weapons delivery by utilizing the system's laser ranging and designating system.

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	P-3a		-	-	1.559	-	-	3.053	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	P-3a		-	-	65.934	-	-	3.592	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / INACTIVE OSIPs	P-3a		-	-	625.659	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft **P-1 Line Item Number / Title:** 0527 / AH-1W Series

ID Code (A=Service Ready, B=Not Service Ready) : A **Program Elements for Code B Items:** **Other Related Program Elements:**

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Total Gross/Weapon System Cost			-	-	693.152	-	-	6.645	-	-	-	-	-	-	-	-	-	-	-	-

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.612
P-3a - 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.526
P-3a - 3 / INACTIVE OSIPs	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	625.659
Total Gross/Weapon System Cost			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	699.797

*For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY 2014-FY 2017 efforts previously budgeted under Budget Line Item (BLI) 0527 are now budgeted under BLI 0532.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series				Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)				

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.559	3.053	-	-	-	-	-	-	-	-	-	4.612
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

This Operational, Safety, and Improvement Program (OSIP) incorporates a number of cost effective changes to the AH-1W, specifically attacking the highest degraders in the H-1 Cost Wise Readiness Integrated Improvement Process and on the Critical Logistics Review lists in order to improve Ready Based Aircraft and Ready For Tasking rates and reduce the total cost ownership. These improvements are a vital element of the H-1 Upgrades program to significantly enhance the strategy of a more ready, more capable and more survivable H-1 force to accomplish the successful fielding of this new capability to the warfighter in support of the Overseas Contingency Operations. The increased readiness and capabilities that will be realized support the tenets of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. Systems improved on the AH-1W will forward fit to the AH-1Z through the H-1 Upgrades Remanufacture program and utilize existing technology to the maximum extent practicable to minimize development and procurement costs and to reduce the time to field the improved systems.

Planned improvements under this OSIP cover airframes, propulsion, survivability, reliability and maintainability, and weight and balance. This OSIP intends to utilize upgrades to existing technology to the maximum extent practicable to minimize development and procurement costs, and to reduce the time to field the improved systems. Safety programs that will be implemented by this OSIP include, but are not limited to, reliability improvements covering non-recurring engineering and eventual replacement of the Direct Current generator, canopy door frame, main rotor gearbox, anti-collision lights, engine mount bearings, main driveshaft, aircraft NiCad battery, weight reduction/gross weight increase initiatives, cold spray magnesium/aluminum improvements, and armor flooring survivability enhancements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Cold Spray Non-Recurring Engineering completed 2Q FY 2012. Procurement began 3Q FY 2012. Canopy door frame modification to AH-1W aircraft began FY 2013.

- Notes:
1. Installs for Canopy Door Frames and Main Rotor Gearbox are Organizational-Level installs.
 2. Starting in FY 2014, all efforts previously budgeted under OSIP 13-12 are budgeted under Budget Line Item 0532 OSIP 13-14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)

Models of Systems Affected: AH-1W	Modification Type: CRITICAL RELIABILITY ENHANCEMENTS	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)

Procurement

Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)												
A Kits												
Recurring												
1.1.1) Canopy Door Frame - Organic	- / -	50 / 1.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 1.955
Subtotal: Recurring	- / 0.000	- / 1.955	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.955
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / -	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
Subtotal: Non-Recurring	- / 0.000	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
B Kits												
Recurring												
2.1.1) Cold Spray - Organic	4 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.500
Subtotal: Recurring	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 0.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.590
Subtotal: Non-Recurring	- / 0.590	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.590
Subtotal: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	4 / 1.090	50 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 3.090
Subtotal: Procurement, All Modification Items	- / 1.090	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.090

Support (All Modification Items)

3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / -	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
3.6) Other Support	- / 0.469	- / 0.853	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.322
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.469	- / 1.053	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.522

Installation

Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0527 / AH-1W Series					Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)			
Models of Systems Affected: AH-1W				Modification Type: CRITICAL RELIABILITY ENHANCEMENTS				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Total													
Total Cost (Procurement + Support + Installation)		1.559	3.053	-	-	-	-	-	-	-	-	4.612	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0527 / AH-1W Series			Modification Number / Title: 1 / H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)	
Modification Item 1 of 1: H-1 AIR VEHICLE IMPROVEMENTS (OSIP 012-12)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Not Installed - Canopy Door Frame					Installation Quantity: 50		
Method of Implementation (Organic): Not Installed - Cold Spray					Installation Quantity: 4		

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0527 / AH-1W Series				Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)				

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

This Operational, Safety, and Improvement Program (OSIP) incorporates a number of cost effective changes to the AH-1W, specifically attacking the highest degraders in the H-1 Cost Wise Readiness Integrated Improvement Process and on the Critical Logistics Review lists in order to improve Ready Based Aircraft and Ready For Tasking rates and reduce the total cost ownership. These improvements are a vital element of the H-1 Upgrades program to significantly enhance the strategy of a more ready, more capable and more survivable H-1 force to accomplish the successful fielding of this new capability to the warfighter in support of the Overseas Contingency Operations. The increased readiness and capabilities that will be realized support the tenets of Sea Power 21, specifically operational availability, enhanced capabilities, and interoperability. Systems improved on the AH-1W will forward fit to the AH-1Z through the H-1 Upgrades Remanufacture program and utilize existing technology to the maximum extent practicable to minimize development and procurement costs and to reduce the time to field the improved systems.

Safety programs that will be implemented by this OSIP include, but are not limited to, spatial disorientation issues that will be addressed through aircraft upgrades such as integration of an upgrade to the Cockpit Control System, Heads-Up-Display improvements, Helmet Display and Tracker System (HDTs), Digital System Upgrade, Transponder upgrade, and Tactical Video Data Link (TVDL) system integration/upgrade, and ground and air collision. Avoidance issues will be addressed through integration of systems such as Ground Proximity Warning System, Terrain Awareness Warning System, Mid-Air Conflict Avoidance System, Degraded Visual Environment systems, Digital Interoperability initiatives, Obstacles Avoidance System, and Military Flight Operations Quality Assurance. Aircrew safety system upgrades include incorporation of the AN/ALE-47 Countermeasures Chaff Containers. This OSIP also addresses improvements to H-1 series helicopters' weapons systems to support and improve mission success, to include missile, rocket, and gun reliability and accuracy. These weapon systems include air-to-ground missile, Advanced Precision Kill Weapon System, Hellfire, 20MM Gun, launchers, turrets, and 20MM Linkless Feed System (LFS). The LFS ammo can/feeder assembly addresses the highest reliability degrader in the gun system. Additional weapons modifications that will significantly increase the accuracy and reliability of this critical weapons system and enhance the survivability of the flight crew include improved laser pointers (including mounting), an improved turret test console, and improved barrels. This OSIP addresses the United States Marine Corps' operational requirement to detect, identify, and destroy tactical-sized armored targets with precision guided munitions during day, night, and adverse weather conditions. The Night Targeting System (NTS) and Night Targeting System Upgrade (NTSU) provide a night/adverse weather Forward-Looking InfraRed and laser designator for Tube-launched Optically-tracked Wire-guided (TOW) missile and Hellfire capability. In addition, NTS/NTSU provides enhanced conventional weapons delivery by utilizing the systems laser ranging system. Additional NTS/NTSU improvements will include Weapons Repairable Assembly modifications to improve reliability, maintainability, and systems stabilization. NTS/NTSU obsolescence improvements will include, but are not limited to, integration of a Digital Video Recorder (DVR), incorporation of the Mission Data Loader functionality within the DVR, and integration of a Color Multi-Functional Display. Additionally, this OSIP will provide enhanced situational awareness and reduced workload through digital updates and digital interoperability to existing cockpit capabilities.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FY 2012 HDTs contract was awarded 4Q 2012 following the completion of Full Rate Production Decision Review and Integrated Logistics Assessment. Production LFS contract awarded 3Q 2013.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Note:
1. Starting in FY 2014, all efforts previously budgeted under OSIP 13-12 are budgeted under Budget Line Item 0532 OSIP 16-12.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Models of Systems Affected: AH-1W	Modification Type: SAFETY/SURVIVABILITY/READINESS/COMBAT EFFECTIVENESS	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)

Procurement

Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)												
A Kits												
Recurring												
1.1.1) ANVIS HUD - NonOrganic ⁽¹⁾	75 / 4.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 4.798
1.1.3) Tactical Video Data Link - NonOrganic	15 / 0.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.576
Subtotal: Recurring	- / 5.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.374
Non-Recurring												
1.2.1) Installation Kits N/R - Organic	- / 2.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.080
Subtotal: Non-Recurring	- / 2.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.080
B Kits												
Recurring												
2.1.1) ANVIS HUD - Organic	75 / 11.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	75 / 11.491
2.1.2) Linkless Feed System - Organic ⁽²⁾	81 / 15.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 15.013
2.1.3) Linkless Feed Loader - Organic	22 / 0.227	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.227
2.1.4) Tactical Video Data Link - Organic	15 / 0.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.864
Subtotal: Recurring	- / 27.595	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.595
Non-Recurring												
2.2.1) Installation Equipment N/R - Organic	- / 11.864	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.735
Subtotal: Non-Recurring	- / 11.864	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.735
Subtotal: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	283 / 46.913	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	283 / 47.784
Subtotal: Procurement, All Modification Items	- / 46.913	- / 0.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.784

Support (All Modification Items)

3.1) Engineering Change Orders	- / 0.473	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.473
3.2) Data	- / 0.495	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.495
3.3) Training Equipment	4 / 2.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.275
3.4) Support Equipment	8 / 3.470	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.470
3.5) ILS	- / 3.263	- / 0.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.426
3.6) Interim Contractor Support	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.250

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0527 / AH-1W Series					Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)			
Models of Systems Affected: AH-1W				Modification Type: SAFETY/SURVIVABILITY/ READINESS/COMBAT EFFECTIVENESS				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
3.7) Other Support	- / 2.643	- / 0.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.594	
<i>Subtotal: Support</i>	- / 12.869	- / 1.114	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.983	
Installation													
<i>Modification Item 1 of 1:</i> H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)	- / 6.152	- / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.759	
<i>Subtotal: Installation</i>	- / 6.152	- / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.759	
Total													
Total Cost (Procurement + Support + Installation)	65.934	3.592	-	-	-	-	-	-	-	-	-	69.526	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Elbit Systems Limited - ANVIS HUD	Manufacturer Location: >Israel
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 6

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012						
Delivery Dates	Apr 2013						

Manufacturer Name: Elbit Systems Limited - Tactical Video Data Link	Manufacturer Location: >Israel
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 2

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: ANVIS HUD

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	24 / 5.567	27 / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 7.174
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	24 / 5.567	27 / 1.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 7.174

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Field Mod Team : Installation Name: ANVIS HUD

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	24	-	-	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Out	24	-	-	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51

Method of Implementation: Contractor Field Mod Team : Installation Name: Tactical Video Data Link

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	15 / 0.585	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.585
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	15 / 0.585	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.585

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

Method of Implementation (Organic): Not Installed - ANVIS HUD **Installation Quantity:** 75

Method of Implementation (Organic): Not Installed - Linkless Feed System **Installation Quantity:** 81

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 2 / H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)
Modification Item 1 of 1: H-1 SENSORS AND WEAPONS IMPROVEMENTS (OSIP 013-12)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - Linkless Feed Loader		Installation Quantity: 22
Method of Implementation (Organic): Not Installed - Tactical Video Data Link		Installation Quantity: 15
Method of Implementation (Organic): Not Installed - Training Equipment		Installation Quantity: 4
Method of Implementation (Organic): Not Installed - Support Equipment		Installation Quantity: 8

Footnotes:

- (1) ANVIS HUD Installation Kits from FY 2011 (qty 8) and FY 2012 (qty 16) OSIP 13-00 completed in FY 2012. Due to aircraft availability FY 2012 OCO installation kits (qty 27) are being installed in FY 2013. Total kits installed under this OSIP is (qty of 51). Remaining FY 2012 OCO installation kits (qty 24) will complete in FY 2014. These FY 2014 installs will be reflected in BLI 0532 OSIP 16-12.
- (2) Prior year (FY 2011) Linkless Feed Systems were awarded in May 2013 at FY 2011 pricing, allowing a procurement of 81 vice 62.

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Exhibit P-3a, Individual Modification: PB 2015 Navy	Date: March 2014
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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0527 / AH-1W Series	Modification Number / Title: 3 / INACTIVE OSIPs
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	625.659	-	-	-	-	-	-	-	-	-	-	625.659

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0527 / AH-1W Series					Modification Number / Title: 3 / INACTIVE OSIPSSs			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> INACTIVE OSIPSSs													
A Kits													
Recurring													
1.1.1) New Cost Element - Organic	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
<i>Subtotal: Recurring</i>	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
<i>Subtotal: INACTIVE OSIPSSs</i>	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
<i>Subtotal: Procurement, All Modification Items</i>	- / 625.659	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 625.659	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	625.659	-	-	-	-	-	-	-	-	-	-	625.659	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0527 / AH-1W Series		Modification Number / Title: 3 / INACTIVE OSIPSS		
Modification Item 1 of 1: INACTIVE OSIPSS							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		