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**Department of Defense
Fiscal Year (FY) 2013 President's Budget Submission**

February 2012



Office of Secretary Of Defense

Justification Book

Defense Production Act Purchases

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Office of Secretary Of Defense • President's Budget Submission FY 2013 • Procurement

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Defense-Wide
FY 2013 President's Budget
Exhibit P-1 FY 2013 President's Budget
Total Obligational Authority
(Dollars in Thousands)

26 Jan 2012

Appropriation: Defense Production Act Purchases

Budget Activity -----	FY 2011 Actuals -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
01. Defense Production Act Purchases	34,156	169,964		169,964
Total Defense Production Act Purchases	34,156	169,964		169,964

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Defense-Wide
FY 2013 President's Budget
Exhibit P-1 FY 2013 President's Budget
Total Obligational Authority
(Dollars in Thousands)

26 Jan 2012

Appropriation: Defense Production Act Purchases

Budget Activity -----	FY 2013 Base -----	FY 2013 OCO -----	FY 2013 Total -----
01. Defense Production Act Purchases	89,189		89,189
Total Defense Production Act Purchases	89,189		89,189

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Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 0360D: Defense Production Act Purchases

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Office of Secretary Of Defense **Date:** February 2012

Appropriation / Budget Activity / Budget Sub Activity: 0360D : Defense Production Act Purchases / BA 1 : Defense Production Act Purchases / BSA 10 : Defense Production Act Purchases	P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0902199D8Z						Other Related Program Elements:					
Resource Summary	Prior Years	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total
Procurement Quantity (Each)	1	16	10	9	-	9	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (\$ in Millions)	110.569	34.156	169.964	89.189	-	89.189	14.369	14.492	15.836	16.079	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	110.569	34.156	169.964	89.189	-	89.189	14.369	14.492	15.836	16.079	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	110.569	34.156	169.964	89.189	-	89.189	14.369	14.492	15.836	16.079	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Title III of the Defense Production Act (DPA) provides the DoD with a powerful tool to ensure the timely creation and availability of domestic production capabilities for technologies that have the potential for wide-ranging impact on the operational capabilities and technological superiority of U.S. defense systems. Title III is unique in that it is the sole DoD program focused on creating, maintaining, protecting, expanding or restoring domestic production capacity to strengthen domestic industry and to establish the industrial base capacity for essential national defense capabilities.

The Defense Production Act (DPA) is authorized by 50 U.S.C. App. 2061 et seq. This budget includes essential transformational initiatives, using the authorities of Title III of the DPA. Requested funding will be used for continuation of eight projects. These are multi-year projects that will incentivize domestic sources to establish, strengthen, and expand domestic industrial base capabilities for key technologies that support transformational initiatives and maintain the technological superiority of U.S. defense systems. Brief descriptions of these projects are provided below.

The Gallium Nitride (GaN) Radar and Electronic Warfare Monolithic Microwave Integrated Circuits (MMIC) project is expanding domestic sources for critical high power radar system antenna elements and electronic warfare systems. The expansion will address advanced technology elements. Unique authorities of the DPA Title III program will enable expansion of production capacity for low cost, high power electronic circuit elements critical to Missile Defense Agency and Service radar, electronic warfare, and missile systems.

The National Security Space (NSS) Industrial & Supply Base (ISB) Risk Mitigation Program was developed by the DoD to formulate a systematic process to fund mitigation efforts to rectify shortcomings in the space industrial and supply base (SISB). The objective is to ensure access to critical technologies and capabilities in the quality, quantity, and timeframes required to support U.S. Government space programs. Projects in this Program are addressing cross-platform, multi-agency/service requirements using the authorities of Title III of the Defense Production Act. Specific technologies to be addressed will be identified in FY 2012 through FY 2017. To date, six multi-year project technologies have been identified for funding through FY 2017. The technical requirements for a seventh project being initiated in FY 2012 will be identified and a contract/agreement awarded during FY 2012. The six projects addressed within these exhibits are:

- Cadmium Zinc Telluride (CdZnTe) Substrate Production
- Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability
- Space Qualified Solar Cell Supply Chain
- Traveling Wave Tube Amplifiers (TWTA)
- Complementary Metal Oxide Semiconductor (CMOS) Focal Plane Arrays (FPA) for Visible Sensors for Star Trackers
- Lithium Ion Batteries for Space (included as a Program Increase in the FY 2011 Defense Appropriations Act, and will be executed as an increase to the existing Title III project)
- NSS ISB: Advanced Projects

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Office of Secretary Of Defense	Date: February 2012
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Appropriation / Budget Activity / Budget Sub Activity: 0360D : Defense Production Act Purchases / BA 1 : Defense Production Act Purchases / BSA 10 : Defense Production Act Purchases	P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0902199D8Z	Other Related Program Elements:
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Funding for the Alternative Energy from Organic Sources project was included as a Program Increase in the FY 2011 Defense Appropriations Act.

Funding for the Program Investments Strengthening the Nation's Industrial Base project was included as a Program Increase in the FY 2012 Consolidated Appropriations Act, (P.L. 112-74). The Appropriations Conference Report language recognizes the critical role that the Defense Production Act program serves in strengthening the Nation's industrial base. Congress directed the Under Secretary of Defense (Acquisition, Technology and Logistics) to award this funding to multiple projects using full and open competition and to notify the congressional defense committees not later than 30 days in advance of this funding being obligated.

Advanced Drop-In Biofuel Production project funds in FY 2013 enable the Department to execute a DPA Title III project, building upon previous efforts and investments by the Navy and other agencies, with the principal objective being a government-industry partnership for the construction or retrofit of multiple domestic commercial or pre-commercial scale advanced drop-in biofuel plants and refineries. These plants will have the capability to produce ready, drop-in replacement advanced biofuels meeting military specifications at a price competitive with petroleum in geographically diverse locations for ready market access, while having no significant impact on the supply of agricultural commodities for the production of food.

Title III Production Base Investment Assessments and Activities is funded to address the full spectrum of analyses and investment planning necessary to execute planning and analyses involved with the on-going and future projects executed within the Department of Defense and in association/collaboration with other Departments.

In accordance with the provisions of the Defense Production Act of 1950, as amended (50 U.S.C. App. 2061 et seq.), notification to Congress of the intent of the Department of Defense to execute the above described projects to correct domestic industrial base shortfalls for technologies and/or materials essential for the execution of the national security strategy of the United States will be provided via letter notification before the referenced projects are initiated.

Item Schedule		ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Item Nomenclature*	Exhibits		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Defense Production Act Purchases	P5, P5A		-	1	110.569	-	16	34.156	-	10	169.964	-	9	89.189	-	-	-	-	9	89.189
Total Gross/Weapon System Cost					110.569			34.156			169.964			89.189			-			89.189

*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P18 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P10.

Justification:

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Exhibit P-5, Cost Analysis: PB 2013 Office of Secretary Of Defense														Date: February 2012									
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10						P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases								Item Nomenclature (Item Number, Item Name, DODIC): 1 - Defense Production Act Purchases									
Resource Summary						Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
Procurement Quantity (Each)						1			16			10			9			-			9		
Gross/Weapon System Cost (\$ in Millions)						110.569			34.156			169.964			89.189			-			89.189		
Less PY Advance Procurement (\$ in Millions)						-			-			-			-			-			-		
Net Procurement (P1) (\$ in Millions)						110.569			34.156			169.964			89.189			-			89.189		
Plus CY Advance Procurement (\$ in Millions)						-			-			-			-			-			-		
Total Obligation Authority (\$ in Millions)						110.569			34.156			169.964			89.189			-			89.189		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																							
Initial Spares (\$ in Millions)						-			-			-			-			-			-		
Gross/Weapon System Unit Cost (\$ in Millions)						-			-			-			-			-			-		
Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total						
		Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)				
Hardware - National Security Space (NSS) Industrial & Supply Base (ISB) Risk Mitigation Program Cost																							
Non Recurring Cost																							
† NSS ISB: Lithium Ion Batteries for Space		-	-	-	2.387	1	2.387	-	-	-	-	-	-	-	-	-	-	-	-	-			
† NSS ISB: Cadmium Zinc Telluride (CdZnTe) Substrate Production		-	-	-	2.900	1	2.900	2.900	1	2.900	1.900	1	1.900	-	-	-	1.900	1	1.900				
† NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability		-	-	-	0.600	2	1.200	0.600	2	1.200	0.600	2	1.200	-	-	-	0.600	2	1.200				
† NSS ISB: Space Qualified Solar Cell Supply Chain		-	-	-	0.500	1	0.500	1.000	1	1.000	1.000	1	1.000	-	-	-	1.000	1	1.000				
† NSS ISB: Traveling Wave Tube Amplifiers		-	-	-	1.310	1	1.310	1.310	1	1.310	1.320	1	1.320	-	-	-	1.320	1	1.320				
† NSS ISB: Comp Metal Oxide Semiconductor Focal Plane Arrays for Visible Sensors for Star Trackers		-	-	-	1.800	1	1.800	1.800	1	1.800	1.800	1	1.800	-	-	-	1.800	1	1.800				
† NSS ISB: Advanced Projects		-	-	-	0.743	1	0.743	0.290	1	0.290	1.280	1	1.280	-	-	-	1.280	1	1.280				

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Exhibit P-5, Cost Analysis: PB 2013 Office of Secretary Of Defense														Date: February 2012					
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10							P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases							Item Nomenclature (Item Number, Item Name, DODIC): 1 - Defense Production Act Purchases					
Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)
Total Non Recurring Cost				0.000			10.840			8.500			8.500			0.000			8.500
Total Hardware - National Security Space (NSS) Industrial & Supply Base (ISB) Risk Mitigation Program Cost				0.000			10.840			8.500			8.500			0.000			8.500
Hardware Cost																			
Non Recurring Cost																			
† Lithium Ion Space Battery Production		13.143	1	13.143	0.766	1	0.766	0.770	1	0.770	-	-	-	-	-	-	-	-	-
† Title III Production Base Investment Assessments and Activities		-	-	-	-	-	-	-	-	-	5.658	1	5.658	-	-	-	5.658	1	5.658
† Alternative Fuels from Organic Sources		-	-	-	3.182	1	3.182	-	-	-	-	-	-	-	-	-	-	-	-
† Beryllium Supply Industrial Base Production Initiative		68.000	1	68.000	6.859	1	6.859	-	-	-	-	-	-	-	-	-	-	-	-
† Advanced Drop-In Biofuel Production		-	-	-	-	-	-	-	-	-	70.000	1	70.000	-	-	-	70.000	1	70.000
† Program Investments Strengthening the Nation's Industrial Base		-	-	-	-	-	-	150.000	1	150.000	-	-	-	-	-	-	-	-	-
Total Non Recurring Cost				81.143			10.807			150.770			75.658			0.000			75.658
Total Hardware Cost				81.143			10.807			150.770			75.658			0.000			75.658
Hardware - Gallium Nitride (GaN) Monolithic Microwave Integrated Circuit (MMIC) Cost																			
Non Recurring Cost																			
† GaN Radar & Electronic Warfare MMICs		16.747	1	16.747	4.515	2	9.031	4.186	2	8.373	2.515	2	5.031	-	-	-	2.515	2	5.031
† GaN Advanced Electronic Warfare MMICs		5.679	1	5.679	1.489	1	1.489	2.321	1	2.321	-	-	-	-	-	-	-	-	-
† GaN X-Band MMICs		7.000	1	7.000	1.989	1	1.989	-	-	-	-	-	-	-	-	-	-	-	-
Total Non Recurring Cost				29.426			12.509			10.694			5.031			0.000			5.031
Total Hardware - Gallium Nitride (GaN) Monolithic				29.426			12.509			10.694			5.031			0.000			5.031

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Exhibit P-5, Cost Analysis: PB 2013 Office of Secretary Of Defense																Date: February 2012			
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10								P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases								Item Nomenclature (Item Number, Item Name, DODIC): 1 - Defense Production Act Purchases			

Cost Elements († indicates the presence of a P-5A)	ID CD	Prior Years			FY 2011			FY 2012			FY 2013 Base			FY 2013 OCO			FY 2013 Total		
		Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Quantity (Each)	Total Cost (\$ M)
Microwave Integrated Circuit (MMIC) Cost																			
Gross Weapon System Cost				110.569			34.156			169.964			89.189			-			89.189

Remarks:
 The National Security Space (NSS) Industrial & Supply Base (ISB) Risk Mitigation Program was developed by the DoD to formulate a systematic process to fund mitigation efforts to rectify shortcomings in the space industrial and supply base (SISB). The objective is to ensure access to critical technologies and capabilities in the quality, quantity, and timeframes required to support U.S. Government space programs. Projects in this Program are addressing cross-platform, multi-agency/service requirements using the authorities of Title III of the Defense Production Act. Specific technologies to be addressed will be identified in FY 2013 through FY 2017. To date, six multi-year project technologies have been identified for funding through FY 2017.

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Office of Secretary Of Defense										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10				P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases					Item Nomenclature: 1 - Defense Production Act Purchases			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
NSS ISB: Lithium Ion Batteries for Space		2011	Quallion, Inc / Sylmar, CA	C / Various	WPAFB, Dayton, OH	Jan 2012	Mar 2013	1	2.387	N		
NSS ISB: Cadmium Zinc Telluride (CdZnTe) Substrate Production		2011	TBD / TBD	C / Various	WPAFB, Dayton, OH	May 2012	Aug 2012	1	2.900	N		
NSS ISB: Cadmium Zinc Telluride (CdZnTe) Substrate Production		2012	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	2.900	N		
NSS ISB: Cadmium Zinc Telluride (CdZnTe) Substrate Production		2013	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	1.900	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA2		2011	Jazz Semiconductor Inc / Newport Beach, CA	C / Various	WPAFB, Dayton, OH	Jan 2012	Feb 2013	1	0.600	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA1		2011	ON Semiconductor / Pocatello, ID	C / Various	WPAFB, Dayton, OH	Sep 2011	Jan 2012	1	0.600	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA2		2012	Jazz Semiconductor Inc / Newport Beach, CA	C / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	0.250	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA1		2012	ON Semiconductor / Pocatello, ID	C / Various	WPAFB, Dayton, OH	Jan 2012	Jan 2013	1	0.250	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA2		2013	Jazz Semiconductor Inc / Newport Beach, CA	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	0.600	N		
NSS ISB: Read Out Integrated Circuit (ROIC) Foundry Improvement and Sustainability, TIA1		2013	ON Semiconductor / Pocatello, ID	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	0.600	N		
NSS ISB: Space Qualified Solar Cell Supply Chain		2011	Sylarus Technologies, LLC / St. George, UT	SS / Various	WPAFB, Dayton, OH	Mar 2012	Mar 2013	1	0.500	N		
NSS ISB: Space Qualified Solar Cell Supply Chain		2012	Sylarus Technologies, LLC / St. George, UT	SS / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	1.000	N		
NSS ISB: Space Qualified Solar Cell Supply Chain		2013	Sylarus Technologies, LLC / St. George, UT	SS / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	1.000	N		
NSS ISB: Traveling Wave Tube Amplifiers		2011	L-3 Comm Electron Tech Inc / Torrance, CA	SS / Various	WPAFB, Dayton, OH	Sep 2011	Jan 2012	1	1.310	N		
NSS ISB: Traveling Wave Tube Amplifiers		2012	L-3 Comm Electron Tech Inc / Torrance, CA	SS / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	1.310	N		
NSS ISB: Traveling Wave Tube Amplifiers		2013	L-3 Comm Electron Tech Inc / Torrance, CA	SS / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	1.320	N		
NSS ISB: Comp Metal Oxide Semiconductor Focal Plane Arrays for Visible Sensors for Star Trackers		2011	TBD / TBD	C / Various	WPAFB, Dayton, OH	Mar 2012	Oct 2012	1	1.800	N		

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Office of Secretary Of Defense										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10				P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases						Item Nomenclature: 1 - Defense Production Act Purchases		
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
NSS ISB: Comp Metal Oxide Semiconductor Focal Plane Arrays for Visible Sensors for Star Trackers		2012	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	1.800	N		
NSS ISB: Comp Metal Oxide Semiconductor Focal Plane Arrays for Visible Sensors for Star Trackers		2013	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	1.800	N		
NSS ISB: Advanced Projects		2011	TBD / TBD	C / Various	WPAFB, Dayton, OH	Dec 2012	Dec 2013	1	0.740	N		
NSS ISB: Advanced Projects		2012	TBD / TBD	C / Various	WPAFB, Dayton, OH	Dec 2012	Dec 2013	1	0.290	N		
NSS ISB: Advanced Projects		2013	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jul 2013	Jul 2014	1	1.280	N		
Lithium Ion Space Battery Production		2011	Quallion / Sylmar, CA	C / Various	WPAFB, Dayton, OH	Jan 2012	Jan 2013	1	0.766	N		
Lithium Ion Space Battery Production		2012	Quallion / Sylmar, CA	C / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	0.770	N		
Title III Production Base Investment Assessments and Activities		2013	TBD / TBD	C / Various	WPAFB, Dayton, OH	Mar 2013	Mar 2014	1	5.658	N		
Alternative Fuels from Organic Sources		2011	TBD / TBD	C / Various	Dayton, OH	Dec 2012	Dec 2013	1	2.387	N		
Beryllium Supply Industrial Base Production Initiative		2011	Materion Corporation / Mayfield Heights, OH	SS / Various	WPAFB, Dayton, OH	Nov 2011	Jan 2012	1	6.859	N		
Advanced Drop-In Biofuel Production		2013	TBD / TBD	C / Various	WPAFB, Dayton, OH	Sep 2013	Sep 2015	1	70.000	N		
Program Investments Strengthening the Nation's Industrial Base		2012	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	150.000	N		
GaN Radar & Electronic Warfare MMICs, TIA2		2011	TriQuint, Inc / Richardson, TX	C / Various	WPAFB, Dayton, OH	Jan 2011	Jan 2012	1	4.516	N		
GaN Radar & Electronic Warfare MMICs, TIA1		2011	Cree / Durham, NC	C / Various	WPAFB, Dayton, OH	Jan 2011	Jan 2012	1	4.515	N		
GaN Radar & Electronic Warfare MMICs, TIA2		2012	TriQuint, Inc / Richardson, TX	C / Various	WPAFB, Dayton, OH	May 2012	Jan 2013	1	4.187	N		
GaN Radar & Electronic Warfare MMICs, TIA1		2012	Cree / Durham, NC	C / Various	WPAFB, Dayton, OH	May 2012	Jan 2013	1	4.186	N		
GaN Radar & Electronic Warfare MMICs, TIA2		2013	TriQuint, Inc / Richardson, TX	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	2.516	N		
GaN Radar & Electronic Warfare MMICs, TIA1		2013	Cree / Durham, NC	C / Various	WPAFB, Dayton, OH	Jan 2013	Jan 2014	1	2.515	N		
GaN Advanced Electronic Warfare MMICs, TIA1		2011	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jul 2012	Mar 2013	1	1.489	N		

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Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Office of Secretary Of Defense										Date: February 2012		
Appropriation / Budget Activity / Budget Sub Activity: 0360D / BA 1 / BSA 10				P-1 Line Item Nomenclature: Title3 - Defense Production Act Purchases					Item Nomenclature: 1 - Defense Production Act Purchases			
Cost Elements († indicates the presence of a P-21)	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
GaN Advanced Electronic Warfare MMICs, TIA1		2012	TBD / TBD	C / Various	WPAFB, Dayton, OH	Jul 2012	Jan 2013	1	2.321	N		
GaN X-Band MMICs		2011	Raytheon Inc / Andover, MD	C / Various	WPAFB, Dayton, OH	Jan 2011	Jan 2012	1	1.989	N		

Remarks: