

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** PB 2016 Air Force **Date:** February 2015

**Appropriation / Budget Activity / Budget Sub Activity:**  
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /  
BSA 2: Tactical Aircraft **P-1 Line Item Number / Title:**  
F2232B / Increment 3.2b

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0605213F **Other Related Program Elements:** 0605213F

**Line Item MDAP/MAIS Code:** 474 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529	-	355.463
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	28.500	-	28.500	-	-	-	-	-	28.500
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	-	69.325	-	69.325	79.091	144.831	13.187	20.529	-	326.963
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	28.500	-	-	-	-	-	-	-	-	28.500
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>28.500</b>	<b>69.325</b>	-	<b>69.325</b>	<b>79.091</b>	<b>144.831</b>	<b>13.187</b>	<b>20.529</b>	-	<b>355.463</b>

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

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

**Description:**

Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22's geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 capability. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B capabilities.

In addition to the aforementioned hardware modifications and integration requirements, Increment 3.2B will develop, certify and integrate a new platform operational flight program to ensure the system interoperability and performance of all increment-level developments.

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22.

The FY2016 funding request was reduced by \$60.131 million to account for the availability of prior execution balances.

Increment 3.2B FY15 Advance Procurement was for the purchase of long lead parts.

Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	28.500	69.325	-	69.325	79.091	110.171	13.187	15.228

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>Program Elements for Code B Items:</b> 0605213F	<b>Other Related Program Elements:</b> 0605213F
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<b>Line Item MDAP/MAIS Code:</b> 474	<b>Item MDAP/MAIS Code(s):</b>
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		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
<b>Secondary Distribution</b>	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	34.660	-	5.301
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	<b>28.500</b>	<b>69.325</b>	-	<b>69.325</b>	<b>79.091</b>	<b>144.831</b>	<b>13.187</b>	<b>20.529</b>

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b
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ID Code (A=Service Ready, B=Not Service Ready) :	Program Elements for Code B Items: 0605213F	Other Related Program Elements: 0605213F
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Line Item MDAP/MAIS Code: 474	Item MDAP/MAIS Code(s):
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B (Capability Improvement)	P-3a		- / 0.000	- / -	- / -	- / 97.825	- / -	- / 97.825
<b>Total Gross/Weapon System Cost</b>			<b>- / -</b>	<b>- / -</b>	<b>- / -</b>	<b>- / 97.825</b>	<b>- / -</b>	<b>- / 97.825</b>

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B (Capability Improvement)	P-3a		- / 79.091	- / 144.831	- / 13.187	- / 20.529	- / -	- / 355.463
<b>Total Gross/Weapon System Cost</b>			<b>- / 79.091</b>	<b>- / 144.831</b>	<b>- / 13.187</b>	<b>- / 20.529</b>	<b>- / -</b>	<b>- / 355.463</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

**Justification:**  
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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<b>Exhibit P-3a, Individual Modification: PB 2016 Air Force</b>										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 2				<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b						<b>Modification Number / Title:</b> 11100 / INCREMENT 3.2B		

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	97.825	-	97.825	79.091	144.831	13.187	20.529	-	355.463
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	28.500	-	28.500	-	-	-	-	-	28.500
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	69.325	-	69.325	79.091	144.831	13.187	20.529	-	326.963
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	28.500	-	-	-	-	-	-	-	-	28.500
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	-	<b>28.500</b>	<b>69.325</b>	-	<b>69.325</b>	<b>79.091</b>	<b>144.831</b>	<b>13.187</b>	<b>20.529</b>	-	<b>355.463</b>
<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> )	-	-	-	2.934	-	2.934	4.470	7.782	-	-	-	15.186
Gross/Weapon System Unit Cost ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22. The schedule of the retrofit program is estimated and will not be final until development nears completion and a proposal is received to accomplish the effort. The Increment 3.2B modification is a New Start in FY15 with Advance Procurement dollars. Kit installations will be accomplished by contractor field teams. Increment 3.2B also includes Mission Support Requirements.

**Milestone/Development Status**

Development efforts continue through FY17. FY18 and out includes reoccurring software maintenance costs accounted for in RDT&E.

<b>Secondary Distribution</b>		<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	28.500	69.325	-	69.325	79.091	110.171	13.187	15.228
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	34.660	-	5.301
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	-	<b>97.825</b>	-	<b>97.825</b>	<b>79.091</b>	<b>144.831</b>	<b>13.187</b>	<b>20.529</b>

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<b>Exhibit P-3a, Individual Modification: PB 2016 Air Force</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 2					<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b					<b>Modification Number / Title:</b> 11100 / INCREMENT 3.2B			
<b>Models of Systems Affected:</b> F-22				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0605213F					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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)	
<b>RDT&amp;E PE #</b>													
0605213F	- / 529.291	- / 88.268	- / 173.647	- / 140.640	- / -	- / 140.640	- / 72.467	- / 1.399	- / 1.426	- / 1.452	- / -	- / 1,008.590	
<b>Procurement</b>													
<i>Modification Item 1 of 1: Inc 3.2B Kits</i>													
A Kits													
Recurring													
Inc 3.2B Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	35 / 0.800	- / -	35 / 0.800	36 / 0.900	72 / 1.600	- / -	- / -	- / -	143 / 3.300	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.800	- / -	- / 0.800	- / 0.900	- / 1.600	- / -	- / -	- / -	- / 3.300	
B Kits													
Recurring													
Inc 3.2B Kits:EQUIPMENT Group B (Active)	- / -	- / -	- / -	35 / 91.192	- / -	35 / 91.192	36 / 73.620	52 / 90.060	- / -	- / -	- / -	123 / 254.872	
Inc 3.2B Kits:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 34.660	- / -	- / -	- / -	20 / 34.660	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 91.192	- / -	- / 91.192	- / 73.620	- / 124.720	- / -	- / -	- / -	- / 289.532	
<i>Subtotal: Inc 3.2B Kits</i>	- / -	- / -	- / -	- / 91.992	- / -	- / 91.992	- / 74.520	- / 126.320	- / -	- / -	- / -	- / 292.832	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 91.992	- / -	- / 91.992	- / 74.520	- / 126.320	- / -	- / -	- / -	- / 292.832	
<b>Support (All Modification Items)</b>													
Data	- / -	- / -	- / -	- / 1.700	- / -	- / 1.700	- / 1.800	- / 3.300	- / 0.221	- / 0.400	- / -	- / 7.421	
PMA - Other Gov't Costs	- / -	- / -	- / -	- / 4.133	- / -	- / 4.133	- / 2.771	- / 5.711	- / 0.816	- / 1.048	- / -	- / 14.479	
<i>Subtotal: Support</i>	- / -	- / -	- / -	- / 5.833	- / -	- / 5.833	- / 4.571	- / 9.011	- / 1.037	- / 1.448	- / -	- / 21.900	
<b>Installation</b>													
<i>Modification Item 1 of 1: Inc 3.2B Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>97.825</b>	<b>-</b>	<b>97.825</b>	<b>79.091</b>	<b>144.831</b>	<b>13.187</b>	<b>20.529</b>	<b>-</b>	<b>355.463</b>	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 2	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b	<b>Modification Number / Title:</b> 11100 / INCREMENT 3.2B

**Modification Item 1 of 1:** Inc 3.2B Kits

**Manufacturer Information**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Fort Worth, TX
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 24

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016	Jan 2017	Jan 2018		
Delivery Dates			Jan 2018	Jan 2019	Jan 2020		

**Installation Information**

**Method of Implementation:** Contract Field Team

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	- / -	- / -	- / -	35 / 9.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 12.150	- / -	- / -	36 / 12.150
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 19.081	- / -	72 / 19.081
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 9.500	36 / 12.150	72 / 19.081	- / -	143 / 40.731

**Installation Schedule**

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	12	9	9	9	9	9	18	18	18	18	-	143
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	12	9	9	9	9	9	18	18	18	18	-	143

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**Exhibit P-40, Advance Procurement Budget Line Item Justification:** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b
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<b>Program Elements for Code B Items:</b> 0605213F	<b>Other Related Program Elements:</b> 0605213F
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	28.500	-	-	-	-	-	-	-	-	28.500
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	28.500	-	-	-	-	-	-	-	-	28.500
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	-	-	<b>28.500</b>	-	-	-	-	-	-	-	-	<b>28.500</b>

**Description:**

F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (See the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advance procurement (AP) funds support the procurement of long-lead components and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2013.

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**Exhibit P-40, Advance Procurement Budget Line Item Justification:** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b
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<b>Program Elements for Code B Items:</b> 0605213F	<b>Other Related Program Elements:</b> 0605213F
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<b>Line Item MDAP/MAIS Code:</b> 474	<b>Item MDAP/MAIS Code(s):</b>
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B	P-10		- / -	- / -	- / 28.500	- / -	- / -	- / -
<b>Total Gross/Weapon System Cost</b>			- / -	- / -	- / 28.500	- / -	- / -	- / -

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
11100 / INCREMENT 3.2B	P-10		- / -	- / -	- / -	- / -	- / -	- / 28.500
<b>Total Gross/Weapon System Cost</b>			- / -	- / -	- / -	- / -	- / -	- / 28.500

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

**Justification:**  
 The \$28.500M Advance Procurement (AP) of long-lead components and special test equipment/diminishing manufacturing source items mitigates the production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the FY16 procurement of the initial 35 F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) kits.



**UNCLASSIFIED**

**Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification):** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 2	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b	<b>P-3a Number / Title:</b> 11100 / INCREMENT 3.2B
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<b>First System (2016) Award Date:</b> January 2016	<b>First System (2016) Completion Date:</b> January 2018	<b>Interval Between Systems:</b> 2 Months
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	Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2014 <i>(Each)</i>	FY 2015 <i>(Each)</i>	FY 2016 <i>(Each)</i>	FY 2017 <i>(Each)</i>	FY 2018 <i>(Each)</i>	FY 2019 <i>(Each)</i>	FY 2020 <i>(Each)</i>	To Complete <i>(Each)</i>	Total <i>(Each)</i>
<b>INCREMENT 3.2B</b>											
Quantity	36	-	-	-	-	-	-	-	-	-	-

	When Rqd <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2014 <i>(\$ M)</i>	FY 2015 <i>(\$ M)</i>	FY 2016 <i>(\$ M)</i>	FY 2017 <i>(\$ M)</i>	FY 2018 <i>(\$ M)</i>	FY 2019 <i>(\$ M)</i>	FY 2020 <i>(\$ M)</i>	To Complete <i>(\$ M)</i>	Total <i>(\$ M)</i>
<b>CFE</b>											
Equipment	12	-	-	28.500	-	-	-	-	-	-	28.500
<i>Total: CFE</i>		-	-	28.500	-	-	-	-	-	-	28.500
<b>Total Advance Procurement/Obligation Authority</b>		-	-	<b>28.500</b>	-	-	-	-	-	-	<b>28.500</b>

**UNCLASSIFIED**

**Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification):** PB 2016 Air Force **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 2	<b>P-1 Line Item Number / Title:</b> F2232B / Increment 3.2b	<b>P-3a Number / Title:</b> 11100 / INCREMENT 3.2B
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Cost Elements	QPA <i>(Each)</i>	FY 2016					Total Cost Request <i>(\$ M)</i>
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ M)</i>	Contract Forecast Date	2016 Qty <i>(Each)</i>	For FY	
<b>CFE</b>							
Equipment	-						-
<i>Total: CFE</i>							-
<b>Total Advance Procurement/Obligation Authority</b>							-

**Description:**  
 F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (ie., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (see the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advanced Procurement (AP) funds support the procurement of long-lead component and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2013.

The FY15 budget fully funds the F-22 Increment 3.2B AP requirement.

The Increment 3.2B modification is a New Start in FY15 with the Advance Procurement of long lead components.