

**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 5: Other Aircraft

**P-1 Line Item Number / Title:**  
 V02200 / CV-22 MODS

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401318F **Other Related Program Elements:** 0401318F

**Line Item MDAP/MAIS Code:** 212 **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> )	125.290	19.555	74.874	58.828	-	58.828	63.960	66.420	69.400	71.367	138.289	687.983
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	125.290	19.555	74.874	58.828	-	58.828	63.960	66.420	69.400	71.367	138.289	687.983
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>125.290</b>	<b>19.555</b>	<b>74.874</b>	<b>58.828</b>	<b>-</b>	<b>58.828</b>	<b>63.960</b>	<b>66.420</b>	<b>69.400</b>	<b>71.367</b>	<b>138.289</b>	<b>687.983</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:**

Funding for this exhibit is contained in PE 0401318F.

The CV-22 is a Special Operations Forces (SOF) variant of the the V-22 tiltrotor multi-mission aircraft. The CV-22 provides long range, high speed, critical capability to insert, extract, and resupply special operations forces into politically or militarily denied areas, not currently provided by any other existing aircraft. The designed service life is 10,000 flying hours over 30 years. The CV-22 is part of the V-22 Joint Program. The Navy is the lead service.

The primary modification budgeted in FY16 is the Block C/20 Upgrade.

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**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 5: Other Aircraft

**P-1 Line Item Number / Title:**  
V02200 / CV-22 MODS

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401318F **Other Related Program Elements:** 0401318F

**Line Item MDAP/MAIS Code:** 212 **Item MDAP/MAIS Code(s):**

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)
1 / BLOCK B UPGRADE (Capability Improvement)	P-40a***		- / 73.884	- / 0.162	- / -	- / -	- / -	- / -
2 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 11.840	- / 0.175	- / 1.999	- / 1.999	- / -	- / 1.999
8790 / Block 20 Upgrade (Capability Improvement)	P-3a		- / 39.566	- / 19.218	- / 72.875	- / 56.829	- / -	- / 56.829
<b>Total Gross/Weapon System Cost</b>			<b>- / 125.290</b>	<b>- / 19.555</b>	<b>- / 74.874</b>	<b>- / 58.828</b>	<b>- / -</b>	<b>- / 58.828</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)
1 / BLOCK B UPGRADE (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 74.046
2 / LOW COST MODIFICATIONS (Other)	P-40a***		- / 1.999	- / 1.999	- / 1.999	- / 1.999	- / 5.997	- / 30.006
8790 / Block 20 Upgrade (Capability Improvement)	P-3a		- / 61.961	- / 64.421	- / 67.401	- / 69.368	- / 132.292	- / 583.931
<b>Total Gross/Weapon System Cost</b>			<b>- / 63.960</b>	<b>- / 66.420</b>	<b>- / 69.400</b>	<b>- / 71.367</b>	<b>- / 138.289</b>	<b>- / 687.983</b>

\*\*\* Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

\*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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**Exhibit P-3a, Individual Modification: PB 2016 Air Force** **Date:** February 2015

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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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
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.566	19.218	72.875	56.829	-	56.829	61.961	64.421	67.401	69.368	132.292	583.931
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority <i>(\$ in Millions)</i></b>	<b>39.566</b>	<b>19.218</b>	<b>72.875</b>	<b>56.829</b>	-	<b>56.829</b>	<b>61.961</b>	<b>64.421</b>	<b>67.401</b>	<b>69.368</b>	<b>132.292</b>	<b>583.931</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>	-	-	2.659	2.839	-	2.839	0.890	0.243	-	-	-	6.631
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This modification funds the retrofit of fielded CV-22 aircraft and trainers to Block C/20 configuration, and enhancement of self-deployment capability. The Block C/20 modification program will be implemented in several increments and includes, but is not limited to, efforts that (1) improve operational safety, suitability, and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, and (4) enhance defensive systems and self-deployment capabilities. Block C/20 upgrades are being developed in successive increments, and each increment includes multiple different kits, contracted as separate engineering change proposals. Each kit is developed on a separate timeline and will be installed under this modification program when available. A few of the kits will be developed in time to be incorporated on a limited number of aircraft on the production line; the aircraft fielded earlier will be retrofitted with kits under this modification program. Some of the Block C/20 modifications will have to be retrofitted on the entire fleet of CV-22s. The number of kits to be retrofitted under the Block C/20 modification will total 1697. Only 786 of the 1697 kits require depot level installation and the install schedule reflects only those depot level installs. The other 976 kits will be installed by O-level (organizational level maintenance activity). The first increment is expected to retrofit 34 aircraft and expected to include (but is not limited to) rehosting MV-22 Block C modifications on CV-22 and Communications Co-Site Interference program. These kits will be purchased FY2011 to FY2017 with installations FY2013 through FY2018. A follow-on increment is expected to retrofit 43 aircraft and includes (but is not limited to) communications, situational awareness, and software. These kits will be purchased in FY2013 through FY2019 with installations FY2014 through FY2020. The last increment is expected to retrofit the entire aircraft inventory of 50 aircraft and includes (but is not limited to) improvements to avionics architecture, communications/navigation systems, and modifications to increase engine time on wing. These kits will be purchased in FY2015 through FY2022 with installations FY2016 through 2024. This modification also includes funds to upgrade support equipment, training devices and simulators. The CV-22 platform has Diminishing Manufacturing Sources (DMS) issues and funding is included in this budget line item for DMS resolution. This budget line item also includes funds to upgrade CV-22 weapon system software. Funding for DMS and software is included in the A-kit Nonrecurring Engineering cost category.

**Milestone/Development Status**

RDT&E is funding development activities for the Block C/20 configuration. The Block 20 development contract was awarded in Dec 2007 and is expected to continue through the 31 Dec 2015. The Block C/20 modification consists of three increments and each increment includes several modification upgrades. Block 20 Increments 1 and 2 RDT&E is complete. Block 20 Increment 3 has completed design/development and is conducting flight testing. RDT&E funded by PE 0401318F.

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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 / 5					<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS					<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade			
<b>Models of Systems Affected:</b> CV-22				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0401318F					
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>Procurement</b>													
<b>Modification Item 1 of 34: AC Bus Tie Impr</b>													
A Kits													
Recurring													
AC Bus Tie Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.263	- / -	- / 0.263	- / 0.176	- / 0.080	- / -	- / -	- / -	- / 0.519	
<i>Subtotal: AC Bus Tie Impr</i>	- / -	- / -	- / -	- / 0.263	- / -	- / 0.263	- / 0.176	- / 0.080	- / -	- / -	- / -	- / 0.519	
<b>Modification Item 2 of 34: Auto Dependent Surveillance-Broadcast ADSB/Out</b>													
A Kits													
Recurring													
Auto Dependent Surveillance-Broadcast ADSB/ Out:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.126	8 / 2.126	9 / 2.392	8 / 1.544	17 / 3.281	50 / 11.469	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.126	- / 2.126	- / 2.392	- / 1.544	- / 3.281	- / 11.469	
<i>Subtotal: Auto Dependent Surveillance-Broadcast ADSB/Out</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.126	- / 2.126	- / 2.392	- / 1.544	- / 3.281	- / 11.469	
<b>Modification Item 3 of 34: Cock Pit Voice Recorder Kits</b>													
A Kits													
Recurring													
Cock Pit Voice Recorder Kits:INSTALL KITS Group A (Active)	- / -	4 / 0.112	11 / 0.516	11 / 0.389	- / -	11 / 0.389	11 / 0.400	13 / 0.347	- / -	- / -	- / -	50 / 1.764	
<i>Subtotal: Recurring</i>	- / -	- / 0.112	- / 0.516	- / 0.389	- / -	- / 0.389	- / 0.400	- / 0.347	- / -	- / -	- / -	- / 1.764	
<i>Subtotal: Cock Pit Voice Recorder Kits</i>	- / -	- / 0.112	- / 0.516	- / 0.389	- / -	- / 0.389	- / 0.400	- / 0.347	- / -	- / -	- / -	- / 1.764	
<b>Modification Item 4 of 34: Digital Interoperability Improvement Kits</b>													
A Kits													
Recurring													
Digital Interoperability Improvement Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 8.795	40 / 40.180	50 / 48.975	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.795	- / 40.180	- / 48.975	
<i>Subtotal: Digital Interoperability Improvement Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.795	- / 40.180	- / 48.975	
<b>Modification Item 5 of 34: ECP 1001 Gimbal Ring Joint Redesign Kits</b>													
A Kits													

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade					
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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)	
Recurring													
ECP 1001 Gimbal Ring Joint Redesign Kits:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.429	12 / 0.504	12 / 0.504	12 / 0.504	4 / 0.168	50 / 2.109	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	- / 0.504	- / 0.504	- / 0.504	- / 0.168	- / 2.109	
<i>Subtotal: ECP 1001 Gimbal Ring Joint Redesign Kits</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.429	- / 0.504	- / 0.504	- / 0.504	- / 0.168	- / 2.109	
<b>Modification Item 6 of 34:</b> ECP 1020 Rudder Reliability Kits													
A Kits													
Recurring													
ECP 1020 Rudder Reliability Kits:INSTALL KITS Group A (Active)	- / -	12 / 0.028	12 / 0.024	12 / 0.024	- / -	12 / 0.024	8 / 0.016	- / -	- / -	- / -	- / -	44 / 0.092	
<i>Subtotal: Recurring</i>	- / -	- / 0.028	- / 0.024	- / 0.024	- / -	- / 0.024	- / 0.016	- / -	- / -	- / -	- / -	- / 0.092	
<i>Subtotal: ECP 1020 Rudder Reliability Kits</i>	- / -	- / 0.028	- / 0.024	- / 0.024	- / -	- / 0.024	- / 0.016	- / -	- / -	- / -	- / -	- / 0.092	
<b>Modification Item 7 of 34:</b> ECP 1041 BLOS Kits													
A Kits													
Recurring													
ECP 1041 BLOS Kits:INSTALL KITS Group A (Active)	- / -	- / -	11 / 3.575	11 / 3.575	- / -	11 / 3.575	11 / 3.575	11 / 3.575	4 / 1.300	- / -	- / -	48 / 15.600	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 3.575	- / 3.575	- / -	- / 3.575	- / 3.575	- / 3.575	- / 1.300	- / -	- / -	- / 15.600	
<i>Subtotal: ECP 1041 BLOS Kits</i>	- / -	- / -	- / 3.575	- / 3.575	- / -	- / 3.575	- / 3.575	- / 3.575	- / 1.300	- / -	- / -	- / 15.600	
<b>Modification Item 8 of 34:</b> ECP 527R1 Emergency O2 Bottle Gauge Kits													
A Kits													
Recurring													
ECP 527R1 Emergency O2 Bottle Gauge Kits:INSTALL KITS Group A (Active)	19 / 0.016	19 / 0.016	19 / 0.016	6 / 0.005	- / -	6 / 0.005	- / -	- / -	- / -	- / -	- / -	63 / 0.053	
<i>Subtotal: Recurring</i>	- / 0.016	- / 0.016	- / 0.016	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / 0.053	
<i>Subtotal: ECP 527R1 Emergency O2 Bottle Gauge Kits</i>	- / 0.016	- / 0.016	- / 0.016	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / 0.053	
<b>Modification Item 9 of 34:</b> ECP 866R1 Gen 5 Radio Kits													
A Kits													
Recurring													
ECP 866R1 Gen 5 Radio Kits:INSTALL KITS Group A (Active)	- / -	13 / 0.228	13 / 0.022	7 / 0.012	- / -	7 / 0.012	6 / 0.010	- / -	- / -	- / -	- / -	39 / 0.272	
<i>Subtotal: Recurring</i>	- / -	- / 0.228	- / 0.022	- / 0.012	- / -	- / 0.012	- / 0.010	- / -	- / -	- / -	- / -	- / 0.272	
B Kits													

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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade				
Models of Systems Affected: CV-22			Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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>Recurring</b>												
ECP 866R1 Gen 5 Radio Kits:EQUIPMENT Group B (Active)	- / -	13 / 4.551	13 / 4.830	7 / 2.653	- / -	7 / 2.653	6 / 2.274	- / -	- / -	- / -	- / -	39 / 14.308
<i>Subtotal: Recurring</i>	- / -	- / 4.551	- / 4.830	- / 2.653	- / -	- / 2.653	- / 2.274	- / -	- / -	- / -	- / -	- / 14.308
<i>Subtotal: ECP 866R1 Gen 5 Radio Kits</i>	- / -	- / 4.779	- / 4.852	- / 2.665	- / -	- / 2.665	- / 2.284	- / -	- / -	- / -	- / -	- / 14.580
<b>Modification Item 10 of 34: ECP 869 Nose Landing Gear</b>												
<b>A Kits</b>												
<b>Recurring</b>												
ECP 869 Nose Landing Gear:INSTALL KITS Group A (Active)	- / -	14 / 0.091	2 / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.104
<i>Subtotal: Recurring</i>	- / -	- / 0.091	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104
<i>Subtotal: ECP 869 Nose Landing Gear</i>	- / -	- / 0.091	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.104
<b>Modification Item 11 of 34: ECP 873 MCOI Kits</b>												
<b>A Kits</b>												
<b>Recurring</b>												
ECP 873 MCOI Kits:INSTALL KITS Group A (Active)	- / -	- / -	25 / 5.800	25 / 5.400	- / -	25 / 5.400	24 / 5.023	21 / 3.892	6 / 0.066	- / -	- / -	101 / 20.181
<i>Subtotal: Recurring</i>	- / -	- / -	- / 5.800	- / 5.400	- / -	- / 5.400	- / 5.023	- / 3.892	- / 0.066	- / -	- / -	- / 20.181
<i>Subtotal: ECP 873 MCOI Kits</i>	- / -	- / -	- / 5.800	- / 5.400	- / -	- / 5.400	- / 5.023	- / 3.892	- / 0.066	- / -	- / -	- / 20.181
<b>Modification Item 12 of 34: ECP 901 Blk C Kits</b>												
<b>A Kits</b>												
<b>Recurring</b>												
ECP 901 Blk C Kits:INSTALL KITS Group A (Active)	15 / 10.487	- / -	6 / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 14.765
<i>Subtotal: Recurring</i>	- / 10.487	- / -	- / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.765
<i>Subtotal: ECP 901 Blk C Kits</i>	- / 10.487	- / -	- / 4.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.765
<b>Modification Item 13 of 34: ECP 901 Co-Site Kits</b>												
<b>A Kits</b>												
<b>Recurring</b>												
ECP 901 Co-Site Kits:INSTALL KITS Group A (Active)	15 / 7.546	- / -	8 / 4.098	8 / 4.098	- / -	8 / 4.098	3 / 1.537	- / -	- / -	- / -	- / -	34 / 17.279
<i>Subtotal: Recurring</i>	- / 7.546	- / -	- / 4.098	- / 4.098	- / -	- / 4.098	- / 1.537	- / -	- / -	- / -	- / -	- / 17.279
<i>Subtotal: ECP 901 Co-Site Kits</i>	- / 7.546	- / -	- / 4.098	- / 4.098	- / -	- / 4.098	- / 1.537	- / -	- / -	- / -	- / -	- / 17.279
<b>Modification Item 14 of 34: ECP 901R2 Antenna Mounting Kits</b>												
<b>A Kits</b>												

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS						Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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)	
Recurring													
ECP 901R2 Antenna Mounting Kits:INSTALL KITS Group A (Active)	7 / 0.016	8 / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.035	
<i>Subtotal: Recurring</i>	- / 0.016	- / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.035	
<i>Subtotal: ECP 901R2 Antenna Mounting Kits</i>	- / 0.016	- / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.035	
<b>Modification Item 15 of 34:</b> ECP 901R2 Troop Commander Panel Kits													
A Kits													
Recurring													
ECP 901R2 Troop Commander Panel Kits:INSTALL KITS Group A (Active)	7 / 0.006	8 / 0.007	5 / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.018	
<i>Subtotal: Recurring</i>	- / 0.006	- / 0.007	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	
<i>Subtotal: ECP 901R2 Troop Commander Panel Kits</i>	- / 0.006	- / 0.007	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.018	
<b>Modification Item 16 of 34:</b> ECP 906 Fuel Jettison Kits													
A Kits													
Recurring													
ECP 906 Fuel Jettison Kits:INSTALL KITS Group A (Active)	18 / 7.061	8 / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 10.208	
<i>Subtotal: Recurring</i>	- / 7.061	- / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.208	
<i>Subtotal: ECP 906 Fuel Jettison Kits</i>	- / 7.061	- / 3.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.208	
<b>Modification Item 17 of 34:</b> ECP 915 Wiring Harness Kits													
A Kits													
Recurring													
ECP 915 Wiring Harness Kits:INSTALL KITS Group A (Active)	- / -	- / -	11 / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.195	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.195	
<i>Subtotal: ECP 915 Wiring Harness Kits</i>	- / -	- / -	- / 0.195	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.195	
<b>Modification Item 18 of 34:</b> ECP 922 Electrical Power Upgrade CFG/VFG													
A Kits													
Recurring													
ECP 922 Electrical Power Upgrade CFG/VFG:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.162	20 / 4.245	10 / 1.948	50 / 10.355	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.162	- / 4.245	- / 1.948	- / 10.355	

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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 / 5					<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS					<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade			
<b>Models of Systems Affected:</b> CV-22				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0401318F					
<b>Financial Plan</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>	
	<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>	
<i>Subtotal: ECP 922 Electrical Power Upgrade CFG/VFG</i>													
<i>Modification Item 19 of 34: ECP 929 Drive Tube Kits</i>													
A Kits													
Recurring													
ECP 929 Drive Tube Kits:INSTALL KITS Group A (Active)													
<i>Subtotal: Recurring</i>													
<i>Subtotal: ECP 929 Drive Tube Kits</i>													
<i>Modification Item 20 of 34: ECP 935 Mode 5 APX-119 Kits</i>													
A Kits													
Recurring													
ECP 935 Mode 5 APX-119 Kits:INSTALL KITS Group A (Active)													
<i>Subtotal: Recurring</i>													
<i>Subtotal: ECP 935 Mode 5 APX-119 Kits</i>													
<i>Modification Item 21 of 34: ECP 987 Differential Pressure Indicator Kits</i>													
A Kits													
Recurring													
ECP 987 Differential Pressure Indicator Kits:INSTALL KITS Group A (Active)													
<i>Subtotal: Recurring</i>													
<i>Subtotal: ECP 987 Differential Pressure Indicator Kits</i>													
<i>Modification Item 22 of 34: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits</i>													
A Kits													
Recurring													
ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits:INSTALL KITS Group A (Active)													
<i>Subtotal: Recurring</i>													
<i>Subtotal: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits</i>													
<i>Modification Item 23 of 34: ECP901R2 Beefy Cables Retrofit Kits</i>													



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Exhibit P-3a, Individual Modification: PB 2016 Air Force								Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5				P-1 Line Item Number / Title: V02200 / CV-22 MODS				Modification Number / Title: 8790 / Block 20 Upgrade					
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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>A Kits</b>													
Recurring													
ECP901R2 Beefy Cables Retrofit Kits:INSTALL KITS Group A (Active)	7 / 0.036	8 / 0.042	11 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.138	
<i>Subtotal: Recurring</i>	- / 0.036	- / 0.042	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	
<i>Subtotal: ECP901R2 Beefy Cables Retrofit Kits</i>	- / 0.036	- / 0.042	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.138	
<b>Modification Item 24 of 34: ECP901R2 Satcom Egg Beater Antenna Kits</b>													
A Kits													
Recurring													
ECP901R2 Satcom Egg Beater Antenna Kits:INSTALL KITS Group A (Active)	7 / 0.152	8 / 0.179	12 / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 0.604	
<i>Subtotal: Recurring</i>	- / 0.152	- / 0.179	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.604	
<i>Subtotal: ECP901R2 Satcom Egg Beater Antenna Kits</i>	- / 0.152	- / 0.179	- / 0.273	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.604	
<b>Modification Item 25 of 34: Formsprag Clutch Impr</b>													
A Kits													
Recurring													
Formsprag Clutch Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.910	10 / 0.910	10 / 0.910	10 / 0.910	10 / 0.910	50 / 4.550	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 4.550	
<i>Subtotal: Formsprag Clutch Impr</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 0.910	- / 4.550	
<b>Modification Item 26 of 34: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)</b>													
A Kits													
Recurring													
Fwd Looking Infrared Systems Electronics Unit (FLIR SEU):INSTALL KITS Group A (Active)	2 / 0.531	- / -	10 / 0.364	15 / 0.557	- / -	15 / 0.557	10 / 0.379	- / -	- / -	- / -	- / -	37 / 1.831	
<i>Subtotal: Recurring</i>	- / 0.531	- / -	- / 0.364	- / 0.557	- / -	- / 0.557	- / 0.379	- / -	- / -	- / -	- / -	- / 1.831	
<i>Subtotal: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)</i>	- / 0.531	- / -	- / 0.364	- / 0.557	- / -	- / 0.557	- / 0.379	- / -	- / -	- / -	- / -	- / 1.831	
<b>Modification Item 27 of 34: GAU-21 Gun</b>													
A Kits													
Recurring													
GAU-21 Gun:INSTALL KITS Group A (Active)	50 / 1.240	50 / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	100 / 2.980	
<i>Subtotal: Recurring</i>	- / 1.240	- / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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)	
<i>Subtotal: GAU-21 Gun</i>	- / 1.240	- / 1.740	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	
<b>Modification Item 28 of 34:</b> Improved Anti-drive Spacers													
A Kits													
Recurring													
Improved Anti-drive Spacers:INSTALL KITS Group A (Active)	58 / 0.036	72 / 0.046	24 / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 0.098	
<i>Subtotal: Recurring</i>	- / 0.036	- / 0.046	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.098	
<i>Subtotal: Improved Anti-drive Spacers</i>	- / 0.036	- / 0.046	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.098	
<b>Modification Item 29 of 34:</b> Improved Inlet Solution													
A Kits													
Recurring													
Improved Inlet Solution:INSTALL KITS Group A (Active)	- / -	- / -	- / -	3 / 5.250	- / -	3 / 5.250	7 / 12.250	11 / 19.250	16 / 28.000	13 / 22.750	- / -	50 / 87.500	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 12.250	- / 19.250	- / 28.000	- / 22.750	- / -	- / 87.500	
<i>Subtotal: Improved Inlet Solution</i>	- / -	- / -	- / -	- / 5.250	- / -	- / 5.250	- / 12.250	- / 19.250	- / 28.000	- / 22.750	- / -	- / 87.500	
<b>Modification Item 30 of 34:</b> Intel Broadcast Receiver (IBR)													
A Kits													
Recurring													
Intel Broadcast Receiver (IBR):INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	32 / 3.200	18 / 1.800	- / -	- / -	- / -	50 / 5.000	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 1.800	- / -	- / -	- / -	- / 5.000	
<i>Subtotal: Intel Broadcast Receiver (IBR)</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	- / 1.800	- / -	- / -	- / -	- / 5.000	
<b>Modification Item 31 of 34:</b> Life Limited Airframe Components Impr													
A Kits													
Recurring													
Life Limited Airframe Components Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	2 / 0.036	- / -	2 / 0.036	3 / 0.054	3 / 0.054	3 / 0.054	4 / 0.072	35 / 0.630	50 / 0.900	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 0.036	- / -	- / 0.036	- / 0.054	- / 0.054	- / 0.054	- / 0.072	- / 0.630	- / 0.900	
<i>Subtotal: Life Limited Airframe Components Impr</i>	- / -	- / -	- / -	- / 0.036	- / -	- / 0.036	- / 0.054	- / 0.054	- / 0.054	- / 0.072	- / 0.630	- / 0.900	
<b>Modification Item 32 of 34:</b> PRGB Atmospheric Protection Kits													
A Kits													
Recurring													

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Exhibit P-3a, Individual Modification: PB 2016 Air Force										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5					P-1 Line Item Number / Title: V02200 / CV-22 MODS					Modification Number / Title: 8790 / Block 20 Upgrade			
Models of Systems Affected: CV-22				Modification Type: Capability Improvement				Related RDT&E PEs: 0401318F					
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)	
PRGB Atmospheric Protection Kits:INSTALL KITS Group A (Active)	- / -	8 / 0.179	12 / 0.269	12 / 0.269	- / -	12 / 0.269	- / -	- / -	- / -	- / -	- / -	32 / 0.717	
<i>Subtotal: Recurring</i>	- / -	- / 0.179	- / 0.269	- / 0.269	- / -	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / 0.717	
<i>Subtotal: PRGB Atmospheric Protection Kits</i>	- / -	- / 0.179	- / 0.269	- / 0.269	- / -	- / 0.269	- / -	- / -	- / -	- / -	- / -	- / 0.717	
<b>Modification Item 33 of 34: Prop Rotor Hub Spring &amp; Drive Link Impr</b>													
A Kits													
Recurring													
Prop Rotor Hub Spring & Drive Link Impr:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.820	12 / 0.820	12 / 0.820	14 / 0.957	50 / 3.417	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.820	- / 0.820	- / 0.820	- / 0.957	- / 3.417	
<i>Subtotal: Prop Rotor Hub Spring &amp; Drive Link Impr</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.820	- / 0.820	- / 0.820	- / 0.957	- / 3.417	
<b>Modification Item 34 of 34: Swashplate Actuator Mod</b>													
A Kits													
Recurring													
Swashplate Actuator Mod:INSTALL KITS Group A (Active)	- / -	12 / 0.084	12 / 0.086	8 / 0.058	- / -	8 / 0.058	- / -	- / -	- / -	- / -	- / -	32 / 0.228	
<i>Subtotal: Recurring</i>	- / -	- / 0.084	- / 0.086	- / 0.058	- / -	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / 0.228	
<i>Subtotal: Swashplate Actuator Mod</i>	- / -	- / 0.084	- / 0.086	- / 0.058	- / -	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / 0.228	
<i>Subtotal: Procurement, All Modification Items</i>	- / 27.127	- / 11.167	- / 25.647	- / 23.534	- / -	- / 23.534	- / 33.566	- / 34.565	- / 39.325	- / 40.734	- / 49.172	- / 284.837	
<b>Support (All Modification Items)</b>													
GROUP A: TOTAL NONRECURRING	- / -	- / 1.779	- / 16.589	- / 18.991	- / -	- / 18.991	- / 17.803	- / 17.959	- / 18.118	- / 19.781	- / 25.263	- / 86.283	
Data	- / -	- / -	- / 12.500	- / 12.318	- / -	- / 12.318	- / 12.500	- / -	- / -	- / -	- / -	- / 17.318	
SIM/TRAINER	8 / 10.050	- / -	6 / 9.655	3 / 6.389	- / -	3 / 6.389	3 / 2.560	5 / 5.550	3 / 3.566	3 / 2.747	8 / 7.854	39 / 48.371	
SUPPORT-EQUIP	- / 10.189	- / 1.007	- / 12.360	- / 12.025	- / -	- / 12.025	- / 12.030	- / 12.033	- / 12.173	- / 12.216	- / 16.919	- / 20.952	
OTHER GOVT	- / -	- / 12.747	- / 11.240	- / 10.230	- / -	- / 10.230	- / 10.497	- / 10.831	- / 10.820	- / 10.947	- / 33.523	- / 100.835	
<i>Subtotal: Support</i>	8 / 10.239	- / 5.533	6 / 42.344	3 / 29.953	- / -	3 / 29.953	3 / 25.390	5 / 26.373	3 / 24.677	3 / 25.691	8 / 73.559	39 / 263.759	
<b>Installation</b>													
<b>Modification Item 1 of 34: AC Bus Tie Impr</b>	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519	
<b>Modification Item 3 of 34: Cock Pit Voice Recorder Kits</b>	- / -	- / -	4 / 0.032	11 / 0.088	- / -	11 / 0.088	11 / 0.088	11 / 0.088	13 / 0.104	- / -	- / -	50 / 0.400	
<b>Modification Item 5 of 34: ECP 1001 Gimbal Ring Joint Redesign Kits</b>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	12 / 0.360	12 / 0.360	16 / 0.480	50 / 1.500	
<b>Modification Item 6 of 34: ECP 1020 Rudder Reliability Kits</b>	- / -	- / -	12 / 0.275	12 / 0.275	- / -	12 / 0.275	12 / 0.275	8 / 0.183	- / -	- / -	- / -	44 / 1.008	
<b>Modification Item 7 of 34: ECP 1041 BLOS Kits</b>	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	11 / 0.506	11 / 0.506	11 / 0.506	4 / 0.184	- / -	48 / 2.208	

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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 / 5					<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS					<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade			
<b>Models of Systems Affected:</b> CV-22				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0401318F					
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>Modification Item 9 of 34:</b> ECP 866R1 Gen 5 Radio Kits	- / -	- / -	13 / 0.130	13 / 0.130	- / -	13 / 0.130	7 / 0.071	6 / 0.062	- / -	- / -	- / -	39 / 0.393	
<b>Modification Item 10 of 34:</b> ECP 869 Nose Landing Gear	- / -	- / -	14 / 0.099	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	16 / 0.113	
<b>Modification Item 11 of 34:</b> ECP 873 MCOI Kits	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	25 / 0.583	24 / 0.583	21 / 0.538	6 / 0.048	- / -	101 / 2.335	
<b>Modification Item 12 of 34:</b> ECP 901 Blk C Kits	4 / 0.690	3 / 0.535	8 / 1.147	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	21 / 3.232	
<b>Modification Item 13 of 34:</b> ECP 901 Co-Site Kits	4 / 0.222	11 / 0.543	- / -	8 / 0.378	- / -	8 / 0.378	8 / 0.378	3 / 0.147	- / -	- / -	- / -	34 / 1.668	
<b>Modification Item 14 of 34:</b> ECP 901R2 Antenna Mounting Kits	- / -	7 / 0.050	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.096	
<b>Modification Item 15 of 34:</b> ECP 901R2 Troop Commander Panel Kits	- / -	7 / 0.044	8 / 0.064	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	20 / 0.138	
<b>Modification Item 16 of 34:</b> ECP 906 Fuel Jettison Kits	9 / 1.288	9 / 1.181	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.967	
<b>Modification Item 17 of 34:</b> ECP 915 Wiring Harness Kits	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431	
<b>Modification Item 19 of 34:</b> ECP 929 Drive Tube Kits	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	8 / 0.203	8 / 0.207	8 / 0.211	22 / 0.761	52 / 1.532	
<b>Modification Item 22 of 34:</b> ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	6 / 0.044	6 / 0.044	6 / 0.044	- / -	- / -	24 / 0.176	
<b>Modification Item 23 of 34:</b> ECP901R2 Beefy Cables Retrofit Kits	- / -	7 / 0.141	8 / 0.144	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	26 / 0.361	
<b>Modification Item 24 of 34:</b> ECP901R2 Satcom Egg Beater Antenna Kits	- / -	7 / 0.024	8 / 0.018	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	27 / 0.066	
<b>Modification Item 29 of 34:</b> Improved Inlet Solution	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	7 / 0.700	11 / 1.100	16 / 1.600	13 / 1.300	50 / 5.000	
<b>Modification Item 31 of 34:</b> Life Limited Airframe Components Impr	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	3 / 0.540	3 / 0.540	3 / 0.540	39 / 7.020	50 / 9.000	
<b>Modification Item 34 of 34:</b> Swashplate Actuator Mod	- / -	- / -	- / -	12 / 0.071	- / -	12 / 0.071	12 / 0.074	8 / 0.047	- / -	- / -	- / -	32 / 0.192	
<i>Subtotal: Installation</i>	17 / 2.200	51 / 2.518	102 / 4.884	158 / 3.342	- / -	158 / 3.342	121 / 3.005	113 / 3.483	85 / 3.399	49 / 2.943	90 / 9.561	786 / 35.335	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	<b>39.566</b>	<b>19.218</b>	<b>72.875</b>	<b>56.829</b>	<b>-</b>	<b>56.829</b>	<b>61.961</b>	<b>64.421</b>	<b>67.401</b>	<b>69.368</b>	<b>132.292</b>	<b>583.931</b>	

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 1 of 34:** AC Bus Tie Impr

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Oct 2015	Oct 2016	Oct 2017		
Delivery Dates			Dec 2015	Dec 2016	Dec 2017		

**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	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	- / -	- / -	- / -	- / -	- / -	24 / 0.263
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	18 / 0.176	- / -	- / -	- / -	- / -	18 / 0.176
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.080	- / -	- / -	- / -	8 / 0.080
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	24 / 0.263	- / -	24 / 0.263	18 / 0.176	8 / 0.080	- / -	- / -	- / -	50 / 0.519

**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	-	-	-	-	-	-	-	-	6	6	6	6	4	4	5	5	2	2	2	2	-	-	-	-	-	-	-	-	-	-	50
Out	0	-	-	-	-	-	-	-	-	-	5	5	5	5	6	6	6	4	2	2	4	-	-	-	-	-	-	-	-	-	-	50

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 2 of 34:** Auto Dependent Surveillance-Broadcast ADSB/Out

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Mar 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates				Mar 2018	Jan 2019	Jan 2020	Jan 2021

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 50
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 3 of 34:** Cock Pit Voice Recorder Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	Mar 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	
Delivery Dates	Sep 2015	Mar 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019	

**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	- / -	- / -	4 / 0.032	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.032
FY 2015	- / -	- / -	- / -	11 / 0.088	- / -	11 / 0.088	- / -	- / -	- / -	- / -	- / -	11 / 0.088
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.088	- / -	- / -	- / -	- / -	11 / 0.088
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.088	- / -	- / -	- / -	11 / 0.088
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.104	- / -	- / -	13 / 0.104
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.032	11 / 0.088	- / -	11 / 0.088	11 / 0.088	11 / 0.088	13 / 0.104	- / -	- / -	50 / 0.400

**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	-	-	-	-	-	-	-	4	-	3	4	4	2	3	3	3	2	3	3	3	3	3	3	4	-	-	-	-	-	50
Out	0	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	-	-	-	-	50

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 4 of 34:** Digital Interoperability Improvement Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 50
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 5 of 34:** ECP 1001 Gimbal Ring Joint Redesign Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates				Dec 2017	Dec 2018	Dec 2019	Dec 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	- / -	- / -	- / -	10 / 0.300
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.360	- / -	- / -	12 / 0.360
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.360	- / -	12 / 0.360
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 0.480	16 / 0.480
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.300	12 / 0.360	12 / 0.360	16 / 0.480	50 / 1.500

**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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	16	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	3	3	3	3	3	3	3	3	16	50

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 6 of 34:** ECP 1020 Rudder Reliability Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014	Apr 2015	Apr 2016	Apr 2017			
Delivery Dates	Nov 2014	Nov 2015	Nov 2016	Nov 2017			

**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	- / -	- / -	12 / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.275
FY 2015	- / -	- / -	- / -	12 / 0.275	- / -	12 / 0.275	- / -	- / -	- / -	- / -	- / -	12 / 0.275
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.275	- / -	- / -	- / -	- / -	12 / 0.275
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.183	- / -	- / -	- / -	8 / 0.183
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 0.275	12 / 0.275	- / -	12 / 0.275	12 / 0.275	8 / 0.183	- / -	- / -	- / -	44 / 1.008

**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	-	-	-	-	-	-	4	8	3	3	3	3	3	3	3	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	44
Out	0	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	-	-	-	-	-	-	-	-	44

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 7 of 34:** ECP 1041 BLOS Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Apr 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	
Delivery Dates		Apr 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019	

**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	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	- / -	- / -	- / -	- / -	- / -	11 / 0.506
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	- / -	- / -	11 / 0.506
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	- / -	11 / 0.506
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.506	- / -	- / -	11 / 0.506
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.184	- / -	4 / 0.184
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	11 / 0.506	- / -	11 / 0.506	11 / 0.506	11 / 0.506	11 / 0.506	4 / 0.184	- / -	48 / 2.208

**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	-	-	-	-	-	-	-	-	-	3	4	4	2	3	3	3	2	3	3	3	2	3	3	3	2	2	-	-	-	48
Out	0	-	-	-	-	-	-	-	-	-	-	-	3	2	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	9	48

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 8 of 34:** ECP 527R1 Emergency O2 Bottle Gauge Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jul 2014	Jul 2015	Jul 2016				
Delivery Dates	Oct 2014	Oct 2015	Oct 2016				

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 63
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 9 of 34:** ECP 866R1 Gen 5 Radio Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017			

**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	- / -	- / -	13 / 0.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.130
FY 2015	- / -	- / -	- / -	13 / 0.130	- / -	13 / 0.130	- / -	- / -	- / -	- / -	- / -	13 / 0.130
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.071	- / -	- / -	- / -	- / -	7 / 0.071
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.062	- / -	- / -	- / -	6 / 0.062
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	13 / 0.130	13 / 0.130	- / -	13 / 0.130	7 / 0.071	6 / 0.062	- / -	- / -	- / -	39 / 0.393

**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	-	-	-	-	-	4	4	5	3	3	3	4	2	2	2	1	2	1	2	1	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 10 of 34:** ECP 869 Nose Landing Gear

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Jun 2014	Jun 2015					
Delivery Dates	Oct 2014	Oct 2015					

**Installation Information**

**Method of Implementation:** Contractor Facility

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	- / -	- / -	14 / 0.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.099
FY 2015	- / -	- / -	- / -	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	2 / 0.014
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	14 / 0.099	2 / 0.014	- / -	2 / 0.014	- / -	- / -	- / -	- / -	- / -	16 / 0.113

**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	-	-	-	-	4	4	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Out	0	-	-	-	-	-	4	4	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 11 of 34:** ECP 873 MCOI Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Apr 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	
Delivery Dates		Apr 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019	

**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	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	- / -	- / -	- / -	- / -	- / -	25 / 0.583
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	25 / 0.583	- / -	- / -	- / -	- / -	25 / 0.583
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.583	- / -	- / -	- / -	24 / 0.583
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.538	- / -	- / -	21 / 0.538
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.048	- / -	6 / 0.048
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	25 / 0.583	- / -	25 / 0.583	25 / 0.583	24 / 0.583	21 / 0.538	6 / 0.048	- / -	101 / 2.335

**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	-	-	-	-	-	-	-	-	5	5	7	8	5	5	7	8	5	5	7	7	6	6	5	4	2	2	2	-	-	101
Out	0	-	-	-	-	-	-	-	-	-	-	-	6	5	5	7	8	5	5	7	7	6	6	5	4	2	2	2	2	17	101

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 12 of 34:** ECP 901 Blk C Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014					
Delivery Dates	Dec 2014	Dec 2015					

**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	4 / 0.690	3 / 0.535	8 / 1.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.372
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	6 / 0.860
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.690	3 / 0.535	8 / 1.147	6 / 0.860	- / -	6 / 0.860	- / -	- / -	- / -	- / -	- / -	21 / 3.232

**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	4	1	1	1	-	2	2	2	2	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	0	2	2	1	1	1	2	2	2	2	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21



**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 13 of 34:** ECP 901 Co-Site Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing				Manufacturer Location: Amarillo TX			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
<b>Dates</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
Contract Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Delivery Dates	Dec 2014	Dec 2015	Dec 2016	Dec 2017			

**Installation Information**

**Method of Implementation:** Contract Field Team

<b>Installation Cost</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>
	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	4 / 0.222	11 / 0.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.765
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	8 / 0.378	- / -	8 / 0.378	- / -	- / -	- / -	- / -	- / -	8 / 0.378
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.378	- / -	- / -	- / -	- / -	8 / 0.378
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.147	- / -	- / -	- / -	3 / 0.147
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	4 / 0.222	11 / 0.543	- / -	8 / 0.378	- / -	8 / 0.378	8 / 0.378	3 / 0.147	- / -	- / -	- / -	34 / 1.668

**Installation Schedule**

	<b>PYS</b>	<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>				<b>FY 2020</b>				<b>TC</b>	<b>Tot</b>	
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>			
In	4	3	3	3	2	-	-	-	-	2	2	2	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	34
Out	0	2	2	2	2	2	2	2	1	-	2	2	2	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	34

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 14 of 34:** ECP 901R2 Antenna Mounting Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

**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	- / -	7 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.050
FY 2014	- / -	- / -	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.046
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.050	8 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.096

**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	-	2	2	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	0	-	-	2	2	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 15 of 34:** ECP 901R2 Troop Commander Panel Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

**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	- / -	7 / 0.044	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.044
FY 2014	- / -	- / -	8 / 0.064	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.064
FY 2015	- / -	- / -	- / -	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	5 / 0.030
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.044	8 / 0.064	5 / 0.030	- / -	5 / 0.030	- / -	- / -	- / -	- / -	- / -	20 / 0.138

**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	-	2	2	3	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Out	0	-	-	2	2	3	2	2	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 16 of 34:** ECP 906 Fuel Jettison Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014						
Delivery Dates	Dec 2014						

**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	9 / 1.288	9 / 1.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 2.469
FY 2014	- / -	- / -	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.498
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 1.288	9 / 1.181	8 / 2.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 4.967

**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	9	3	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	4	4	3	3	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 17 of 34:** ECP 915 Wiring Harness Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Feb 2015					
Delivery Dates		May 2015					

**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	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	11 / 0.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.431

**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	-	-	-	-	-	-	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	0	-	-	-	-	-	-	-	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 18 of 34:** ECP 922 Electrical Power Upgrade CFG/VFG

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates						Dec 2018	Dec 2019
Delivery Dates						Dec 2019	Dec 2020

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 50
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 19 of 34:** ECP 929 Drive Tube Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates			Jun 2016	Mar 2017	Mar 2018	Mar 2019	Mar 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	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	- / -	- / -	- / -	- / -	6 / 0.150
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.203	- / -	- / -	- / -	8 / 0.203
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.207	- / -	- / -	8 / 0.207
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.211	- / -	8 / 0.211
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.211	8 / 0.211
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.550	14 / 0.550
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.150	8 / 0.203	8 / 0.207	8 / 0.211	22 / 0.761	52 / 1.532

**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	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	22	52
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	24	52

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 20 of 34:** ECP 935 Mode 5 APX-119 Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Mar 2014	Jun 2015					
Delivery Dates	Apr 2014	Jul 2015					

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 25
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**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 21 of 34:** ECP 987 Differential Pressure Indicator Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Feb 2015	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Jan 2020
Delivery Dates		Feb 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019	Jan 2021

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 157
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 22 of 34:** ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

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

**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	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	- / -	- / -	- / -	- / -	- / -	6 / 0.044
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.044	- / -	- / -	- / -	- / -	6 / 0.044
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.044	6 / 0.044	- / -	- / -	12 / 0.088
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	6 / 0.044	- / -	6 / 0.044	6 / 0.044	6 / 0.044	6 / 0.044	- / -	- / -	24 / 0.176

**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	-	-	-	-	-	-	-	-	-	2	2	2	-	2	2	2	-	2	2	2	-	2	2	2	-	-	-	-	-	24
Out	0	-	-	-	-	-	-	-	-	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	-	-	-	-	-	-	24

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 23 of 34:** ECP901R2 Beefy Cables Retrofit Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014					
Delivery Dates	Dec 2014	Dec 2015					

**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	- / -	7 / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.141
FY 2014	- / -	- / -	8 / 0.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.144
FY 2015	- / -	- / -	- / -	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	11 / 0.076
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.141	8 / 0.144	11 / 0.076	- / -	11 / 0.076	- / -	- / -	- / -	- / -	- / -	26 / 0.361

**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	-	2	2	3	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	0	-	-	2	2	3	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 24 of 34:** ECP901R2 Satcom Egg Beater Antenna Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013	Dec 2014	Dec 2015				
Delivery Dates	Dec 2014	Dec 2015	Dec 2016				

**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	- / -	7 / 0.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.024
FY 2014	- / -	- / -	8 / 0.018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.018
FY 2015	- / -	- / -	- / -	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	12 / 0.024
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	7 / 0.024	8 / 0.018	12 / 0.024	- / -	12 / 0.024	- / -	- / -	- / -	- / -	- / -	27 / 0.066

**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	-	2	2	3	2	2	2	2	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	0	-	-	2	2	3	2	2	2	2	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 25 of 34:** Formsprag Clutch Impr

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Feb 2017	Feb 2018	Feb 2019	Feb 2020
Delivery Dates				Feb 2018	Feb 2019	Feb 2020	Feb 2021

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 50
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**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 26 of 34:** Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Mar 2015	Dec 2015	Dec 2016			
Delivery Dates		Mar 2016	Dec 2016	Dec 2017			

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 37
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**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 27 of 34:** GAU-21 Gun

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Aug 2014						
Delivery Dates	Aug 2015						

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 100
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**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 28 of 34:** Improved Anti-drive Spacers

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014	Apr 2015					
Delivery Dates	Apr 2015	Apr 2016					

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 154
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**UNCLASSIFIED**

<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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 29 of 34:** Improved Inlet Solution

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Mar 2016	Dec 2016	Dec 2017	Dec 2018	Dec 2019
Delivery Dates			Mar 2017	Dec 2017	Dec 2018	Dec 2019	Dec 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	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	- / -	- / -	- / -	- / -	3 / 0.300
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.700	- / -	- / -	- / -	7 / 0.700
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.100	- / -	- / -	11 / 1.100
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.600	- / -	16 / 1.600
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.300	13 / 1.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.300	7 / 0.700	11 / 1.100	16 / 1.600	13 / 1.300	50 / 5.000

**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	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	2	1	3	3	3	2	4	4	4	4	4	13	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	2	2	1	3	3	3	2	4	4	4	4	17	50

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 30 of 34:** Intel Broadcast Receiver (IBR)

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates				Mar 2017	Mar 2018		
Delivery Dates				Mar 2018	Mar 2019		

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 50
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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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 31 of 34:** Life Limited Airframe Components Impr

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Apr 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates			Apr 2017	Jan 2018	Jan 2019	Jan 2020	Jan 2021

**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	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	- / -	- / -	- / -	- / -	2 / 0.360
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	- / -	- / -	3 / 0.540
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	- / -	3 / 0.540
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.540	- / -	3 / 0.540
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.720	4 / 0.720
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 6.300	35 / 6.300
Total	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.360	3 / 0.540	3 / 0.540	3 / 0.540	39 / 7.020	50 / 9.000

**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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	-	1	1	1	-	1	1	1	39	50
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	-	1	1	1	-	1	1	40	50

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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 32 of 34:** PRGB Atmospheric Protection Kits

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime ( <i>in Months</i> ): 2	Production Leadtime ( <i>in Months</i> ): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014	May 2015	May 2016				
Delivery Dates	Sep 2015	May 2016	May 2017				

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 32
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<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force	<b>Date:</b> February 2015
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade
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**Modification Item 33 of 34:** Prop Rotor Hub Spring & Drive Link Impr

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
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Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Dec 2017	Dec 2018	Dec 2019
Delivery Dates					Dec 2018	Dec 2019	Dec 2020

**Installation Information**

<b>Method of Implementation (Organic):</b> Org/Intermediate	<b>Installation Quantity:</b> 0
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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 / 5	<b>P-1 Line Item Number / Title:</b> V02200 / CV-22 MODS	<b>Modification Number / Title:</b> 8790 / Block 20 Upgrade

**Modification Item 34 of 34:** Swashplate Actuator Mod

**Manufacturer Information**

Manufacturer Name: Bell-Boeing	Manufacturer Location: Amarillo TX
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Oct 2013	Oct 2014	Oct 2015				
Delivery Dates	Oct 2014	Oct 2015	Oct 2016				

**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	- / -	- / -	- / -	12 / 0.071	- / -	12 / 0.071	- / -	- / -	- / -	- / -	- / -	12 / 0.071
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.074	- / -	- / -	- / -	- / -	12 / 0.074
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.047	- / -	- / -	- / -	8 / 0.047
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<b>Total</b>	- / -	- / -	- / -	12 / 0.071	- / -	12 / 0.071	12 / 0.074	8 / 0.047	- / -	- / -	- / -	32 / 0.192

**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	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-