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**Exhibit P-40, Budget Line Item Justification:** PB 2017 Navy **Date:** February 2016

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604270N, 0604279N
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<b>Line Item MDAP/MAIS Code:</b> 418	<b>Item MDAP/MAIS Code(s):</b> N/A
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Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1,110.143	79.452	56.935	57.034	7.060	64.094	61.000	80.208	81.668	83.023	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	1,110.143	79.452	56.935	57.034	7.060	64.094	61.000	80.208	81.668	83.023	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>1,110.143</b>	<b>79.452</b>	<b>56.935</b>	<b>57.034</b>	<b>7.060</b>	<b>64.094</b>	<b>61.000</b>	<b>80.208</b>	<b>81.668</b>	<b>83.023</b>	<b>Continuing</b>	<b>Continuing</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 Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The Air Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all DoN and Marine Corps tactical, rotary and other fixed-wing aircraft. The AECM Program is divided into the following threat related groupings: (1) Active Jammers (2) Infrared (IR) Decoys (3) associated impulse cartridges (4) Chaff Countermeasures and (5) F-35 Countermeasures.

**ACTIVE JAMMERS:** Current Active Jammer is ALE-55 Fiber Optic Towed Decoy (FOTD) and is part of the ALE-50 program. The FOTD, when integrated with the rest of the F/A-18E/F Electronic Warfare (EW) suite (i.e., ALQ-214, ALR-67(V)3, ALE-47 and ALE-50), the associated cockpit controls, displays and other avionics significantly improves the survivability of the host aircraft in a Radio Frequency (RF) threat environment. The FOTD is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) Block 3 (IB-3) program. ALE-55 Milestone (MS) III was conducted July 2011. Initial Operational Capability (IOC) was achieved July 2011. FOTD was developed utilizing RDT&E,N PE 0604270N, Project Unit 2175. The GEN-X active RF decoy is dispensed from the ALE-47 system and protects all Navy and Marine Corps fixed wing aircraft from modern surface-to-air and air-to-air threats.

**IR DECOYS:** The MJU-49/32/38 are currently used by all aircraft except the KC130J/T to provide self protection from surface to air/air to air IR missiles. The MJU-61 and MJU-64 are used on the KC-130J/T, UC-35D, UC-12W and F-35 aircraft to provide self protection from surface to air/air to air IR missiles. The SM-875 is a dedicated, low cost training device. The MJU-61 is a low cost F-35 training device. The MJU-57 provides a kinematic IR Countermeasure to defeat specific Man-Portable Air Defense Systems (MANPADS). Procurement of MJU-66 advanced spectral countermeasure began in FY 2013 in support of KC-130J/T and UC-35D. The MJU-67 Multi-spectral flare provides an enhanced spectral signature required for DoN aircraft self-protection against accelerated proliferation of MANPADS including the threat addressed in JUONS #SO-0010.

**IMPULSE CARTRIDGES:** Used to propel the self-protection devices away from the aircraft. The CCU-136 is used by all airframes except the KC-130J/T, UC-12W and UC-35D. The CCU-145 is used on KC-130J/T, UC-35D, UC-12W and F-35.

**CHAFF COUNTERMEASURES:** The RR-129 is the operational round used on all Navy aircraft platforms. The RR-144 is a dedicated training round used on all airframes except the USMC KC-130J/T, UC-12W and UC-35D. The RR-144 training round does not interfere with Federal Aviation Administration (FAA) tracking radars. The RR-170 is the operational round procured in support of the KC-130J/T, UC-12W and UC-35D.

**F-35 COUNTERMEASURES:** Includes all unique countermeasures that provide self-protection for the Joint Strike Fighter (JSF) aircraft, specifically ALE-70, MJU-68, MJU-69 and CCU-168. In addition to F-35 unique countermeasures, MJU-61 and MJU-64 are also used for F-35 self-protection.

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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A	<b>Other Related Program Elements:</b> 0604270N, 0604279N
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<b>Line Item MDAP/MAIS Code:</b> 418	<b>Item MDAP/MAIS Code(s):</b> N/A
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Exhibits Schedule				Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Exhibit Type	Title*	Subexhibits	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)
P-40a	Air Expendable Countermeasures	P-5a, P-21		- / 1,110.143	- / 79.451	- / 56.935	- / 57.032	- / 7.060	- / 64.092
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>- / 1,110.143</b>	<b>- / 79.452</b>	<b>- / 56.935</b>	<b>- / 57.034</b>	<b>- / 7.060</b>	<b>- / 64.094</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

**Justification:**

FY 2017 decrease by \$3.1 million to Air Expendable Countermeasures (AECM) as required for the Department of the Navy to comply with the Bipartisan Budget Act of 2015.

FY 2017 baseline funding is required to procure Active Jammers, Infrared (IR) Decoys, Impulse Cartridges, Chaff Countermeasures, F-35 Countermeasures and associated support for DoN and Marine Corps tactical, rotary and other fixed-wing aircraft to meet Fleet inventory levels requirements, based on Naval Munitions Requirements Process (NMRP) combat requirement. These proven countermeasure devices provide pre-emptive or terminal and reactive self-protection for all Navy and Marine Corps strike, assault, rotary wing, and other fixed wing aircraft from Radio Frequency (RF) or IR guided missile attack and other advanced threats.

In accordance with Operational Requirement Document (ORD): # 512-88-89 dated 28 May 99, Air Expendable Countermeasures program is tasked with maintaining an operationally effective mixture of countermeasures that can degrade and/or neutralize the effectiveness of current and/or projected threats and provide pre-emptive, area and point source devices that must be compatible with Night Vision Goggles (NVG). ORD: # 512-88-89 mandates Product Improvement Program (PIP) and Production Engineering Support (PES) to ensure expendables are cost effective, environmentally friendly and Hazards of Electromagnetic Radiation to Ordnance (HERO) safe.

Total funding in FY 2017 is based on a minimum level to meet inventory objectives NMRP Combat Requirement (CR), and is well below Total Munitions Requirement (TMR).

**OCO:**

FY 2017 Overseas Contingency Operations (OCO) funding supports requirements set forth in a Joint Urgent Operational Need Statement (JUONS) for self-protection against accelerated proliferation of advanced Man-Portable Air Defense Systems (MANPADS). These operations are in support of Operation Inherent Resolve.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy																Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures						Aggregated Items Title: Air Expendable Countermeasures <sup>(1)</sup>								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<b>1) ACTIVE JAMMERS</b>																				
1.1) ALE-50 (AAED)	A		-	-	54.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) ALE-55 (FOTD) (2)(†)	A		88,534.13	1,421	125.807	70,186.00	283	19.863	70,788.00	284	20.104	73,762.45	261	19.252	-	-	-	73,762.45	261	19.252
1.3) TECHNICAL SUPPORT (ACTIVE JAMMER)	A		-	-	0.728	-	-	0.730	-	-	0.836	-	-	0.852	-	-	-	-	-	0.852
<b>Subtotal: 1) ACTIVE JAMMERS</b>			-	-	<b>180.630</b>	-	-	<b>20.593</b>	-	-	<b>20.940</b>	-	-	<b>20.104</b>	-	-	-	-	-	<b>20.104</b>
<b>2) IR DECOYS</b>																				
2.1) MJU-32 <sup>(3)(†)</sup>	A		111.44	468,366	52.197	-	-	-	55.81	40,709	2.272	-	-	-	-	-	-	-	-	-
2.2) MJU-38 <sup>(4)(†)</sup>	A		139.26	305,874	42.597	54.94	10,611	0.583	56.04	20,735	1.162	-	-	-	-	-	-	-	-	-
2.3) MJU-49	A		563.39	370,391	208.673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) MJU-55	A		-	-	20.105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MJU-57 <sup>(†)</sup>	A		360.27	197,105	71.011	148.57	17,594	2.614	151.54	19,461	2.949	154.57	6,857	1.060	-	-	-	154.57	6,857	1.060
2.6) MJU-61 <sup>(5)(†)</sup>	A		88.92	26,193	2.329	93.14	19,476	1.814	95.00	9,337	0.887	96.90	19,508	1.890	-	-	-	96.90	19,508	1.890
2.7) MJU-64 <sup>(6)(†)</sup>	A		90.79	80,508	7.309	90.78	67,327	6.112	92.40	16,147	1.492	92.85	872	0.081	-	-	-	92.85	872	0.081
2.8) MJU-66 <sup>(7)(†)</sup>	A		128.69	38,332	4.933	128.69	19,746	2.541	134.27	19,044	2.557	137.77	18,872	2.600	-	-	-	137.77	18,872	2.600
2.9) MJU-67 <sup>(8)(†)</sup>	A		309.45	5,261	1.628	369.09	9,220	3.403	-	-	-	398.02	13,763	5.478	398.02	17,738	7.060	398.02	31,501	12.538
2.10) SM875 <sup>(†)</sup>	A		41.62	1,086,612	45.226	23.00	310,144	7.133	23.00	520,900	11.981	23.00	134,783	3.100	-	-	-	23.00	134,783	3.100
<b>Subtotal: 2) IR DECOYS</b>			-	-	<b>456.008</b>	-	-	<b>24.200</b>	-	-	<b>23.300</b>	-	-	<b>14.209</b>	-	-	<b>7.060</b>	-	-	<b>21.269</b>
<b>3) IMPULSE CARTRIDGES</b>																				
3.1) CCU-136 <sup>(†)</sup>	A		9.81	4,736,948	46.459	3.77	628,912	2.371	3.85	626,493	2.412	3.92	406,122	1.592	-	-	-	3.92	406,122	1.592
3.2) CCU-145 <sup>(9)(†)</sup>	A		6.93	1,113,046	7.709	5.05	254,059	1.283	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: 3) IMPULSE CARTRIDGES</b>			-	-	<b>54.168</b>	-	-	<b>3.654</b>	-	-	<b>2.412</b>	-	-	<b>1.592</b>	-	-	-	-	-	<b>1.592</b>
<b>4) CHAFF COUNTERMEASURES</b>																				
4.1) RR-129 <sup>(10)(†)</sup>	A		12.32	253,110	3.118	12.71	90,086	1.145	13.15	135,589	1.783	13.92	39,224	0.546	-	-	-	13.92	39,224	0.546
4.2) RR-144 <sup>(11)(†)</sup>	A		33.80	560,010	18.926	14.99	79,185	1.187	15.58	36,393	0.567	-	-	-	-	-	-	-	-	-
4.3) RR-170 <sup>(12)(†)</sup>	A		15.55	29,072	0.452	3.99	29,574	0.118	4.14	28,261	0.117	-	-	-	-	-	-	-	-	-
4.4) RR-188	A		-	-	0.121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal: 4) CHAFF COUNTERMEASURES</b>			-	-	<b>22.617</b>	-	-	<b>2.450</b>	-	-	<b>2.467</b>	-	-	<b>0.546</b>	-	-	-	-	-	<b>0.546</b>
<b>5) F-35 COUNTERMEASURES <sup>(13)</sup></b>																				
5.1) ALE-70 <sup>(14)(†)</sup>	A		56,938.56	472	26.875	54,653.00	120	6.558	-	-	-	56,850.58	72	4.093	-	-	-	56,850.58	72	4.093
5.2) MJU-68 <sup>(†)</sup>	A		2,193.37	4,194	9.199	2,425.00	415	1.006	-	-	-	2,522.97	1,261	3.181	-	-	-	2,522.97	1,261	3.181

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy** **Date:** February 2016

**Appropriation / Budget Activity / Budget Sub Activity:** 1508N / 01 / 1 **P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures **Aggregated Items Title:** Air Expendable Countermeasures <sup>(1)</sup>

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.3) MJU-69 <sup>(tt)</sup>	A		2,322.43	3,700	8.593	2,425.00	415	1.006	-	-	-	2,522.97	1,261	3.181	-	-	-	2,522.97	1,261	3.181
5.4) CCU-168 <sup>(tt)</sup>	A		318.90	3,810	1.215	305.70	415	0.127	-	-	-	318.05	1,261	0.401	-	-	-	318.05	1,261	0.401
<b>Subtotal: 5) F-35 COUNTERMEASURES</b>			-	-	<b>45.882</b>	-	-	<b>8.697</b>	-	-	-	-	-	<b>10.856</b>	-	-	-	-	-	<b>10.856</b>
<b>6) INTEGRATED LOGISTICS SUPPORT</b>																				
6.1) ACTIVE JAMMERS	A		-	-	2.617	-	-	0.256	-	-	0.218	-	-	0.230	-	-	-	-	-	0.230
6.2) IR DECOYS	A		-	-	16.703	-	-	2.558	-	-	0.807	-	-	0.823	-	-	-	-	-	0.823
6.3) IMPULSE CARTRIDGES	A		-	-	1.460	-	-	0.050	-	-	0.096	-	-	0.098	-	-	-	-	-	0.098
6.4) CHAFF COUNTERMEASURES	A		-	-	0.988	-	-	0.124	-	-	0.053	-	-	0.054	-	-	-	-	-	0.054
6.5) F-35 COUNTERMEASURES	A		-	-	0.690	-	-	0.325	-	-	-	-	-	0.586	-	-	-	-	-	0.586
<b>Subtotal: 6) INTEGRATED LOGISTICS SUPPORT</b>			-	-	<b>22.458</b>	-	-	<b>3.313</b>	-	-	<b>1.174</b>	-	-	<b>1.791</b>	-	-	-	-	-	<b>1.791</b>
<b>7) PRODUCTION ENGINEERING SUPPORT</b>																				
7.1) ACTIVE JAMMERS	A		-	-	29.287	-	-	0.725	-	-	0.565	-	-	0.571	-	-	-	-	-	0.571
7.2) IR DECOYS <sup>(15)</sup>	A		-	-	63.002	-	-	3.880	-	-	1.570	-	-	1.648	-	-	-	-	-	1.648
7.3) IMPULSE CARTRIDGES	A		-	-	5.069	-	-	0.150	-	-	0.164	-	-	0.167	-	-	-	-	-	0.167
7.4) CHAFF COUNTERMEASURES	A		-	-	2.459	-	-	0.300	-	-	0.066	-	-	0.067	-	-	-	-	-	0.067
7.5) F-35 COUNTERMEASURES	A		-	-	6.896	-	-	0.797	-	-	-	-	-	0.844	-	-	-	-	-	0.844
<b>Subtotal: 7) PRODUCTION ENGINEERING SUPPORT</b>			-	-	<b>106.713</b>	-	-	<b>5.852</b>	-	-	<b>2.365</b>	-	-	<b>3.297</b>	-	-	-	-	-	<b>3.297</b>
<b>8) PRODUCT IMPROVEMENT PROGRAM</b>																				
8.1) IR DECOYS	A		-	-	88.103	-	-	4.876	-	-	0.700	-	-	2.009	-	-	-	-	-	2.009
8.2) IMPULSE CARTRIDGES	A		-	-	11.951	-	-	0.240	-	-	0.170	-	-	0.288	-	-	-	-	-	0.288
8.3) CHAFF COUNTERMEASURES	A		-	-	0.623	-	-	0.080	-	-	0.015	-	-	0.015	-	-	-	-	-	0.015
8.4) F-35 COUNTERMEASURES	A		-	-	-	-	-	-	-	-	-	-	-	0.409	-	-	-	-	-	0.409
<b>Subtotal: 8) PRODUCT IMPROVEMENT PROGRAM</b>			-	-	<b>100.677</b>	-	-	<b>5.196</b>	-	-	<b>0.885</b>	-	-	<b>2.721</b>	-	-	-	-	-	<b>2.721</b>
<b>9) ACCEPTANCE TEST &amp; EVALUATION</b>																				
9.1) IR DECOYS	A		-	-	100.005	-	-	5.050	-	-	2.649	-	-	1.159	-	-	-	-	-	1.159

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**Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2017 Navy** **Date:** February 2016

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures	<b>Aggregated Items Title:</b> Air Expendable Countermeasures <sup>(1)</sup>
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2015			FY 2016			FY 2017 Base			FY 2017 OCO			FY 2017 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
9.2) IMPULSE CARTRIDGES	A		-	-	15.456	-	-	0.240	-	-	0.159	-	-	0.162	-	-	-	-	-	0.162
9.3) CHAFF COUNTERMEASURES	A		-	-	5.029	-	-	0.106	-	-	0.133	-	-	0.135	-	-	-	-	-	0.135
9.4) F-35 COUNTERMEASURES	A		-	-	0.500	-	-	0.100	-	-	0.451	-	-	0.460	-	-	-	-	-	0.460
<b>Subtotal: 9) ACCEPTANCE TEST &amp; EVALUATION</b>			-	-	<b>120.990</b>	-	-	<b>5.496</b>	-	-	<b>3.392</b>	-	-	<b>1.916</b>	-	-	-	-	-	<b>1.916</b>
<b>Total</b>			-	-	<b>1,110.143</b>	-	-	<b>79.451</b>	-	-	<b>56.935</b>	-	-	<b>57.032</b>	-	-	<b>7.060</b>	-	-	<b>64.092</b>

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

<sup>(†)</sup> indicates the presence of a P-5a

**Footnotes:**

- <sup>(1)</sup> (a) Unit costs for hardware in FY15 - FY17 reflect either escalated actual unit cost or actual pricing in contract options. (b) Deliveries funded by different fiscal year appropriations occasionally overlap (P21 Delivery Schedule) to ensure inventory goals are met without exceeding maximum production rates.
- <sup>(2)</sup> ALE-55 FY 2016-FY 2017 (Full Rate Production) ALE-55 unit prices and technical support updated to reflect negotiated contract values.
- <sup>(3)</sup> MJU-32 FY 2016 quantities reduced in addition to F-35 Countermeasures. FY 2017 quantities reduced to align inventory with Naval Munitions Requirements Process (NMRP) levels in accordance with Navy priorities.
- <sup>(4)</sup> MJU-38 FY 2016 quantities reduced in addition to F-35 Countermeasures. FY 2017 quantities reduced to align inventory with Naval Munitions Requirements Process (NMRP) levels in accordance with Navy priorities.
- <sup>(5)</sup> MJU-61 FY 2015 quantities increased from PB 2016 due to revised OCO requirements. FY 2017 quantities increased based on requirement for use of MJU-61 as a low cost F-35 training flare; inventory is currently well below NMRP Total Munitions Requirement.
- <sup>(6)</sup> MJU-64 FY 2015 quantities increased from PB 2016 due to revised OCO requirements. FY 2017 quantities reduced to realign baseline funds in support of F-35 Countermeasure requirements.
- <sup>(7)</sup> MJU-66 FY 2016-FY 2017 unit cost increase above inflation is based on actual contract 3 year IDIQ pricing, base contract/pricing valid thru FY 2017.
- <sup>(8)</sup> MJU-67 FY 2017 unit cost increase due to raw materials management from foreign supplier and cost incurred to resolve reliability following bullet impact test failures.
- <sup>(9)</sup> CCU-145 FY 2016-FY 2017 baseline quantities reduced to align inventory with NMRP levels in accordance with Navy priorities.
- <sup>(10)</sup> RR-129 FY 2016-FY 2017 unit cost increase above inflation due to actual contract 3 year IDIQ pricing, base contract/pricing valid thru FY 2017.
- <sup>(11)</sup> RR-144 FY 2016 unit costs increased above inflation due to actual contract; 3 year IDIQ pricing, base contract/pricing valid thru FY 2017.
- <sup>(12)</sup> RR-170 FY 2016 unit costs increased above inflation due to actual contract; 3 year IDIQ pricing, base contract/pricing valid thru FY 2017.
- <sup>(13)</sup> F-35 Countermeasures - All F-35 procurements eliminated in FY16 in accordance with congressional action. Total F-35 hardware items and associated support were not sufficient to fulfill congressional action, therefore IR Decoys (MJU-32/38) were also reduced.
- <sup>(14)</sup> ALE-70 FY 2015 quantities increased from PB 2016 to accommodate F-35B IOC. FY 2017 quantity change from PB 2016 due to revised F-35B delivery schedule.
- <sup>(15)</sup> 7.2 (PES IR Decoys) Increase above inflation from FY 2016 to FY 2017 required to support increased MJU-61 and MJU-67 production quantities.

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures				Aggregated Items: Air Expendable Countermeasures <sup>(1)</sup>				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
<b>1) ACTIVE JAMMERS</b>												
1.2) ALE-55 (FOTD) <sup>(2)(†)</sup>		2015	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Nov 2014	Dec 2015	283	70,186.00	Y		Jun 2014
1.2) ALE-55 (FOTD) <sup>(2)(†)</sup>		2016	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Dec 2015	Dec 2016	284	70,788.00	Y		Jun 2015
1.2) ALE-55 (FOTD) <sup>(2)(†)</sup>		2017	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Nov 2016	Dec 2017	261	73,762.45	Y		Jun 2015
<b>2) IR DECOYS</b>												
2.1) MJU-32 <sup>(3)</sup>		2016	TBD <sup>(16)</sup> / TBD	C / IDIQ	NAVSUP WSS	May 2016	Nov 2016	40,709	55.81	Y		Dec 2015
2.2) MJU-38 <sup>(4)</sup>		2015	ARMTEC DEFENSE, INC. / Camden, Arkansas	C / FFP	NAVSUP WSS	Oct 2015	May 2016	10,611	54.94	Y		Mar 2015
2.2) MJU-38 <sup>(4)</sup>		2016	ARMTEC DEFENSE, INC. / Camden, Arkansas	C / FFP	NAVSUP WSS	May 2016	Oct 2016	20,735	56.04	Y		Mar 2015
2.5) MJU-57 <sup>(†)</sup>	✓	2014	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Dec 2013	Apr 2015	42,932	153.06	Y		Dec 2011
2.5) MJU-57 <sup>(†)</sup>	✓	2015	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Mar 2015	Sep 2015	17,594	148.57	Y		Dec 2011
2.5) MJU-57 <sup>(†)</sup>		2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Oct 2016	8,513	151.54	Y		Dec 2011
2.5) MJU-57 <sup>(†)</sup>	✓	2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Oct 2016	10,948	151.54	Y		Dec 2011
2.5) MJU-57 <sup>(†)</sup>		2017	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2017	Oct 2017	6,857	154.57	Y		Dec 2011
2.6) MJU-61 <sup>(5)(†)</sup>	✓	2015	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Mar 2015	Jul 2015	19,476	93.14	Y		Jan 2013
2.6) MJU-61 <sup>(5)(†)</sup>		2016 <sup>(17)</sup>	TBD <sup>(18)</sup> / TBD	C / IDIQ	CRANE, IN	Jun 2016	Mar 2017	8,842	95.00	Y		Jan 2016
2.6) MJU-61 <sup>(5)(†)</sup>	✓	2016	TBD <sup>(18)</sup> / TBD	C / IDIQ	CRANE, IN	Jun 2016	Mar 2017	495	95.00	Y		Jan 2016
2.6) MJU-61 <sup>(5)(†)</sup>		2017	TBD <sup>(18)</sup> / TBD	C / IDIQ	CRANE, IN	Jun 2017	Jan 2018	19,508	96.90	Y		Jan 2016
2.7) MJU-64 <sup>(6)</sup>	✓	2013	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Oct 2015	21,788	90.78	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>		2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Oct 2015	38,309	90.78	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>	✓	2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Oct 2015	20,411	90.78	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jul 2015	Apr 2016	397	90.78	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>	✓	2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jul 2015	Apr 2016	66,930	90.78	Y		Apr 2014

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy										Date: February 2016		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures				Aggregated Items: Air Expendable Countermeasures <sup>(1)</sup>				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.7) MJU-64 <sup>(6)</sup>		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2016	Mar 2017	11,363	92.40	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>	✓	2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2016	Mar 2017	4,784	92.40	Y		Apr 2014
2.7) MJU-64 <sup>(6)</sup>		2017	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2017	Mar 2018	872	92.85	Y		Apr 2014
2.8) MJU-66 <sup>(7)(f)</sup>		2013	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Aug 2014	Jun 2015	18,975	128.69	Y		Oct 2013
2.8) MJU-66 <sup>(7)(f)</sup>		2014	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Aug 2014	Aug 2015	19,357	128.69	Y		Oct 2013
2.8) MJU-66 <sup>(7)(f)</sup>		2015 <sup>(19)</sup>	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Jun 2015	Sep 2016	19,746	128.69	Y		Oct 2013
2.8) MJU-66 <sup>(7)(f)</sup>		2016	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Jun 2016	Dec 2016	19,044	134.27	Y		Oct 2013
2.8) MJU-66 <sup>(7)(f)</sup>		2017	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Jun 2017	Dec 2017	18,872	137.77	Y		Oct 2013
2.9) MJU-67 <sup>(8)(f)</sup>		2014	Esterline Defense Technologies / Camden, AR	MIPR	DOTC	Mar 2014	Sep 2014	5,261	309.50	Y		Dec 2013
2.9) MJU-67 <sup>(8)(f)</sup>		2015 <sup>(20)</sup>	Esterline Defense Technologies / Camden, AR	MIPR	DOTC	Sep 2015	Mar 2016	9,220	369.09	Y		Dec 2013
2.9) MJU-67 <sup>(8)(f)</sup>		2017	Esterline Defense Technologies / Camden, AR	SS / BOA	CRANE, IN	Jun 2017	Feb 2018	13,763	398.02	Y		Jan 2016
2.9) MJU-67 <sup>(8)(f)</sup>	✓	2017	Esterline Defense Technologies / Camden, AR	SS / BOA	CRANE, IN	Jun 2017	Feb 2018	17,738	398.02	Y		Jan 2016
2.10) SM875 <sup>(f)</sup>	✓	2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2014	Nov 2014	460,695	23.00	Y		Jul 2013
2.10) SM875 <sup>(f)</sup>	✓	2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2015	Nov 2015	310,144	23.00	Y		Jul 2013
2.10) SM875 <sup>(f)</sup>		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2016	Nov 2016	172,174	23.00	Y		Jul 2013
2.10) SM875 <sup>(f)</sup>	✓	2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2016	Nov 2016	348,726	23.00	Y		Jul 2013
2.10) SM875 <sup>(f)</sup>		2017	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2017	Oct 2017	134,783	23.00	Y		Jul 2013
<b>3) IMPULSE CARTRIDGES</b>												
3.1) CCU-136 <sup>(f)</sup>		2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	423,933	3.67	Y		Dec 2011
3.1) CCU-136 <sup>(f)</sup>	✓	2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	998,976	3.67	Y		Dec 2011

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Exhibit P-5a, Procurement History and Planning: PB 2017 Navy								Date: February 2016				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					Aggregated Items: Air Expendable Countermeasures <sup>(1)</sup>				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1) CCU-136 <sup>(†)</sup>		2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	Jun 2015	Apr 2016	300,265	3.77	Y		Dec 2011
3.1) CCU-136 <sup>(†)</sup>	✓	2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	Jun 2015	Apr 2016	328,647	3.77	Y		Dec 2011
3.1) CCU-136 <sup>(†)</sup>		2016	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2016	Mar 2017	407,012	3.85	Y		Dec 2011
3.1) CCU-136 <sup>(†)</sup>	✓	2016	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2016	Mar 2017	219,481	3.85	Y		Dec 2011
3.1) CCU-136 <sup>(†)</sup>		2017	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2017	Mar 2018	406,122	3.92	Y		Dec 2011
3.2) CCU-145 <sup>(9)</sup>		2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	271,385	4.98	Y		Dec 2011
3.2) CCU-145 <sup>(9)</sup>	✓	2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	59,251	4.98	Y		Dec 2011
3.2) CCU-145 <sup>(9)</sup>		2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	Jun 2015	Apr 2016	254,059	5.05	Y		Dec 2011
<b>4) CHAFF COUNTERMEASURES</b>												
4.1) RR-129 <sup>(10)(†)</sup>		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Feb 2015	May 2015	90,086	12.71	Y		Jun 2013
4.1) RR-129 <sup>(10)(†)</sup>		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Mar 2016	Jun 2016	135,589	13.15	Y		Jun 2013
4.1) RR-129 <sup>(10)(†)</sup>		2017	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Mar 2017	Jun 2017	39,224	13.92	Y		Jun 2013
4.2) RR-144 <sup>(11)</sup>		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Feb 2015	May 2015	79,185	14.99	Y		Jun 2013
4.2) RR-144 <sup>(11)</sup>		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2016	Jul 2016	36,393	15.58	Y		Jun 2013
4.3) RR-170 <sup>(12)</sup>		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Feb 2015	May 2015	29,574	3.99	Y		Jun 2013
4.3) RR-170 <sup>(12)</sup>		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2016	Jul 2016	28,261	4.14	Y		Jun 2013
<b>5) F-35 COUNTERMEASURES</b>												
5.1) ALE-70 <sup>(14)(†)</sup>		2014	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Apr 2014	Jun 2015	132	60,656.00	Y		Mar 2013
5.1) ALE-70 <sup>(14)(†)</sup>		2015	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Apr 2015	Jun 2016	120	54,653.00	Y		Mar 2013
5.1) ALE-70 <sup>(14)(†)</sup>		2017	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	May 2017	Jun 2018	72	56,850.58	Y		Nov 2016
5.2) MJU-68 <sup>(†)</sup>		2014 <sup>(21)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Mar 2017	1,619	2,425.00	Y		Nov 2014
5.2) MJU-68 <sup>(†)</sup>		2015 <sup>(22)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Mar 2017	415	2,425.00	Y		Nov 2014



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<b>Exhibit P-5a, Procurement History and Planning: PB 2017 Navy</b>								<b>Date:</b> February 2016				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures				<b>Aggregated Items:</b> Air Expendable Countermeasures <sup>(1)</sup>				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.2) MJU-68 <sup>(†)</sup>		2017	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	May 2017	Mar 2018	1,261	2,522.97	Y		Nov 2016
5.3) MJU-69 <sup>(†)</sup>		2014 <sup>(23)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Mar 2017	1,619	2,425.00	Y		Nov 2014
5.3) MJU-69 <sup>(†)</sup>		2015 <sup>(24)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Mar 2017	415	2,425.00	Y		Nov 2014
5.3) MJU-69 <sup>(†)</sup>		2017	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	May 2017	Mar 2018	1,261	2,522.97	Y		Nov 2016
5.4) CCU-168		2014 <sup>(25)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Oct 2016	1,553	305.70	Y		Nov 2014
5.4) CCU-168		2015 <sup>(26)</sup>	BAE SYSTEMS / NASHUA, NH	SS / Letter	NAVSUP WSS	May 2016	Oct 2016	415	305.70	Y		Nov 2014
5.4) CCU-168		2017	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	May 2017	Oct 2017	1,261	318.05	Y		Nov 2016

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

- <sup>(16)</sup> MJU-32 FY16 annual production rates TBD pending contract award.
- <sup>(17)</sup> MJU-61 - Competitive contract awards to industry beginning in FY16.
- <sup>(18)</sup> MJU-61 FY16 annual production rates TBD pending contract award.
- <sup>(19)</sup> MJU-66 FY15 delivery delay due to First Article Test failure. Contractor to accelerate production to return to original contracted delivery schedule.
- <sup>(20)</sup> MJU-67 FY15 contract award changed from PB16 following resolution of reliability concerns following bullet impact test failures and raw materials management concerns from foreign supplier. Multi-spectral flare required to meet the Joint Urgent Operation Need Statement (JUONS) #SO-0010 for DoN aircraft self-protection against Man-portable air-defense systems (MANPADs) and accelerated proliferation of advanced threats.
- <sup>(21)</sup> MJU-68 FY14 contractor's proposal submission delayed until Sep 2015 to incorporate Lot Acceptance failure corrective actions. Delay in contract award due to extensive changes in Technical Data Package (TDP) and adjustment in contracting strategy required to mitigate further delays.
- <sup>(22)</sup> MJU-68 FY15 contract award combined with FY14.
- <sup>(23)</sup> MJU-69 FY14 contractor's proposal submission delayed until Sep 2015 to incorporate Lot Acceptance failure corrective actions. Delay in contract award due to extensive changes in Technical Data Package (TDP) and adjustment in contracting strategy required to mitigate further delays.
- <sup>(24)</sup> MJU-69 FY15 contract award combined with FY14.
- <sup>(25)</sup> CCU-168 FY14 contractor's proposal submission delayed until Sep 2015 to incorporate Lot Acceptance failure corrective actions. Delay in contract award due to extensive changes in Technical Data Package (TDP) and adjustment in contracting strategy required to mitigate further delays.
- <sup>(26)</sup> CCU-168 FY15 contract award combined with FY14.

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Exhibit P-21, Production Schedule: PB 2017 Navy Date: February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures <sup>(1)</sup>
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Items <i>(Units in Thousands)</i>						Fiscal Year 2014											Fiscal Year 2015											B A L A N C E				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014											Calendar Year 2015														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P	
<b>1) ACTIVE JAMMERS</b>																																
1.2) ALE-55 (FOTD) <sup>(2)</sup>																																
Prior Years Deliveries: 1421																																
	1	2015	NAVY	.283	-	.283																										.283
	1	2016	NAVY	.284	-	.284																									.284	
	1	2017	NAVY	.261	-	.261																									.261	
<b>2) IR DECOYS</b>																																
2.5) MJU-57																																
Prior Years Deliveries: 154173																																
✓	2	2014	NAVY	42.932	-	42.932				A -																					6.932	
✓	2	2015	NAVY	17.594	-	17.594																	A -								17.326	
	2	2016	NAVY	8.513	-	8.513																									8.513	
✓	2	2016	NAVY	10.948	-	10.948																									10.948	
	2	2017	NAVY	6.857	-	6.857																									6.857	
2.6) MJU-61 <sup>(5)</sup>																																
Prior Years Deliveries: 26193																																
✓	3	2015	NAVY	19.476	-	19.476																	A -							14.607		
	4	2016	NAVY	8.842	-	8.842																									8.842	
✓	4	2016	NAVY	.495	-	.495																									.495	
	4	2017	NAVY	19.508	-	19.508																									19.508	
2.8) MJU-66 <sup>(7)</sup>																																
	5	2013	NAVY	18.975	-	18.975																									-	
	5	2013	AF <sup>(†)</sup>	62.468	-	62.468																									62.468	
<b>5</b>	<b>2013</b>	<b>Total</b>		<b>81.443</b>	<b>-</b>	<b>81.443</b>																									<b>62.468</b>	
	5	2014	NAVY	19.357	-	19.357																									4.732	
	5	2014	AF <sup>(†)</sup>	16.800	-	16.800																									16.800	
<b>5</b>	<b>2014</b>	<b>Total</b>		<b>36.157</b>	<b>-</b>	<b>36.157</b>																									<b>21.532</b>	
	5	2015	NAVY	19.746	-	19.746																									19.746	
	5	2015	AF <sup>(†)</sup>	100.800	-	100.800																									100.800	
<b>5</b>	<b>2015</b>	<b>Total</b>		<b>120.546</b>	<b>-</b>	<b>120.546</b>																									<b>120.546</b>	
	5	2016	NAVY	19.044	-	19.044																									19.044	
	5	2017	NAVY	18.872	-	18.872																									18.872	





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**Exhibit P-21, Production Schedule: PB 2017 Navy** **Date:** February 2016

**Appropriation / Budget Activity / Budget Sub Activity:** 1508N / 01 / 1 **P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures **Aggregated Items:** Air Expendable Countermeasures <sup>(1)</sup>

Items (Units in Thousands)					Fiscal Year 2016																Fiscal Year 2017												BALANCE			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016																Calendar Year 2017													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
<b>1) ACTIVE JAMMERS</b>																																				
1.2) ALE-55 (FOTD) <sup>(2)</sup>																																				
Prior Years Deliveries: 1421																																				
	1	2015	NAVY	.283	-	.283	-	-	.025	.025	.025	.025	.025	.025	.025	.025	.025	.025	.008																-	
	1	2016	NAVY	.284	-	.284			A -	-	-	-	-	-	-	-	-	-	-			.023	.023	.023	.024	.024	.024	.024	.024	.024	.024	.024	.047			
	1	2017	NAVY	.261	-	.261													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.261			
<b>2) IR DECOYS</b>																																				
2.5) MJU-57																																				
Prior Years Deliveries: 154173																																				
✓	2	2014	NAVY	42.932	36.000	6.932	3.600	3.332																										-		
✓	2	2015	NAVY	17.594	.268	17.326	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.326																		-	
	2	2016	NAVY	8.513	-	8.513									A -	-	-	-	-	3.600	3.600	1.313												-		
✓	2	2016	NAVY	10.948	-	10.948									A -	-	-	-	-	3.600	3.600	3.748												-		
	2	2017	NAVY	6.857	-	6.857																					A -	-	-	-	-	-	-	6.857		
2.6) MJU-61 <sup>(5)</sup>																																				
Prior Years Deliveries: 26193																																				
✓	3	2015	NAVY	19.476	4.869	14.607	1.623	1.623	1.623	1.623	1.623	1.623	1.623	1.623	1.623																			-		
	4	2016	NAVY	8.842	-	8.842										A -	-	-	-	-	-	-	-	-	-	.207	.785	.785	.785	.785	.785	.785	.785	3.925		
✓	4	2016	NAVY	.495	-	.495									A -	-	-	-	-	-	-	-	-	-	.495									-		
	4	2017	NAVY	19.508	-	19.508																						A -	-	-	-	-	-	19.508		
2.8) MJU-66 <sup>(7)</sup>																																				
	5	2013	NAVY	18.975	18.975	-	-	-	-	-	-	-	-	-	-																				-	
	5	2013	AF <sup>(4)</sup>	62.468	-	62.468	3.668	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400																					-
	<b>5</b>	<b>2013</b>	<b>Total</b>	<b>81.443</b>	<b>18.975</b>	<b>62.468</b>	<b>3.668</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>																					-
	5	2014	NAVY	19.357	14.625	4.732	4.732	-	-	-	-	-	-	-	-																					-
	5	2014	AF <sup>(4)</sup>	16.800	-	16.800	-	-	-	-	-	-	-	-	-	8.400	8.400																			-
	<b>5</b>	<b>2014</b>	<b>Total</b>	<b>36.157</b>	<b>14.625</b>	<b>21.532</b>	<b>4.732</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8.400</b>	<b>8.400</b>																			-
	5	2015	NAVY	19.746	-	19.746	-	-	-	-	-	-	-	-	-	-	-	2.727	8.400	8.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
	5	2015	AF <sup>(4)</sup>	100.800	-	100.800	-	-	-	-	-	-	-	-	-	-	-	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400		-
	<b>5</b>	<b>2015</b>	<b>Total</b>	<b>120.546</b>	<b>-</b>	<b>120.546</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11.127</b>	<b>16.800</b>	<b>17.019</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>	<b>8.400</b>		-
	5	2016	NAVY	19.044	-	19.044										A -	-	-	-	-	-	-	-	1.664	1.580	1.580	1.580	1.580	1.580	1.580	1.580	1.580	1.580	1.580	1.580	3.160
	5	2017	NAVY	18.872	-	18.872																						A -	-	-	-	-	-	-	18.872	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						



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Exhibit P-21, Production Schedule: PB 2017 Navy Date: February 2016

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Table with columns: O C O #, M F R #, FY, SERVICE, PROC QTY, ACCEPT PRIOR TO 1 OCT 2015, BAL DUE AS OF 1 OCT, Fiscal Year 2016 (OCT-SEP), Fiscal Year 2017 (OCT-SEP), BALANCE. Rows include items for 2014, 2015, 2017 and summary rows for MJU-68 and MJU-69.

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**Exhibit P-21, Production Schedule: PB 2017 Navy** **Date:** February 2016

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures	<b>Aggregated Items:</b> Air Expendable Countermeasures <sup>(1)</sup>
---------------------------------------------------------------------------------	-------------------------------------------------------------------------------	---------------------------------------------------------------------------

Items <i>(Units in Thousands)</i>					Fiscal Year 2018													Fiscal Year 2019													B A L A N C E		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
<b>1) ACTIVE JAMMERS</b>																																	
1.2) ALE-55 (FOTD) <sup>(2)</sup>																																	
Prior Years Deliveries: 1421																																	
	1	2015	NAVY	.283	.283	-																							-				
	1	2016	NAVY	.284	.237	.047	.024	.023																					-				
	1	2017	NAVY	.261	-	.261	-	-	.022	.022	.022	.022	.022	.022	.022	.022	.021	.021	.021										-				
<b>2) IR DECOYS</b>																																	
2.5) MJU-57																																	
Prior Years Deliveries: 154173																																	
✓	2	2014	NAVY	42.932	42.932	-																							-				
✓	2	2015	NAVY	17.594	17.594	-																							-				
	2	2016	NAVY	8.513	8.513	-																							-				
✓	2	2016	NAVY	10.948	10.948	-																							-				
	2	2017	NAVY	6.857	-	6.857	2.286	2.286	2.285																				-				
2.6) MJU-61 <sup>(5)</sup>																																	
Prior Years Deliveries: 26193																																	
✓	3	2015	NAVY	19.476	19.476	-																							-				
	4	2016	NAVY	8.842	4.917	3.925	.785	.785	.785	.785	.785																		-				
✓	4	2016	NAVY	.495	.495	-																							-				
	4	2017	NAVY	19.508	-	19.508	-	-	-	1.625	1.625	1.625	1.625	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626	1.626		-				
2.8) MJU-66 <sup>(7)</sup>																																	
	5	2013	NAVY	18.975	18.975	-																							-				
	5	2013	AF <sup>(4)</sup>	62.468	62.468	-																							-				
	<b>5</b>	<b>2013</b>	<b>Total</b>	<b>81.443</b>	<b>81.443</b>	-																							-				
	5	2014	NAVY	19.357	19.357	-																							-				
	5	2014	AF <sup>(4)</sup>	16.800	16.800	-																							-				
	<b>5</b>	<b>2014</b>	<b>Total</b>	<b>36.157</b>	<b>36.157</b>	-																							-				
	5	2015	NAVY	19.746	19.746	-																							-				
	5	2015	AF <sup>(4)</sup>	100.800	100.800	-																							-				
	<b>5</b>	<b>2015</b>	<b>Total</b>	<b>120.546</b>	<b>120.546</b>	-																							-				
	5	2016	NAVY	19.044	15.884	3.160	1.580	1.580																					-				
	5	2017	NAVY	18.872	-	18.872	-	-	1.572	1.572	1.572	1.572	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573	1.573		-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			



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**Exhibit P-21, Production Schedule: PB 2017 Navy** **Date:** February 2016

**Appropriation / Budget Activity / Budget Sub Activity:** 1508N / 01 / 1 **P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures **Aggregated Items:** Air Expendable Countermeasures <sup>(1)</sup>

Items <i>(Units in Thousands)</i>					Fiscal Year 2018														Fiscal Year 2019												BALANCE		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
2.9) MJU-67 <sup>(8)</sup>																																	
	6	2014	NAVY	5.261	5.261	-																							-				
	6	2015	NAVY	9.220	9.220	-																							-				
	6	2016	NAVY	13.763	-	13.763	-	-	-	-	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	.563	-				
✓	6	2017	NAVY	17.738	-	17.738	-	-	-	-	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.238	-					
2.10) SM875																																	
Prior Years Deliveries: 625917																																	
✓	7	2014	NAVY	460.695	460.695	-																						-					
✓	7	2015	NAVY	310.144	310.144	-																						-					
	7	2016	NAVY	172.174	168.960	3.214	3.214																					-					
✓	7	2016	NAVY	348.726	319.666	29.060	29.060																					-					
	7	2017	NAVY	134.783	-	134.783	9.042	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	11.431	-						
3) IMPULSE CARTRIDGES																																	
3.1) CCU-136																																	
Prior Years Deliveries: 3314039																																	
	8	2014	NAVY	423.933	423.933	-																						-					
✓	8	2014	NAVY	998.976	998.976	-																						-					
	8	2015	NAVY	300.265	300.265	-																						-					
✓	8	2015	NAVY	328.647	328.647	-																						-					
	8	2016	NAVY	407.012	237.419	169.593	33.917	33.917	33.917	33.917	33.925																	-					
✓	8	2016	NAVY	219.481	151.200	68.281	21.600	21.600	21.600	2.446	1.035																	-					
	8	2017	NAVY	406.122	-	406.122	-	-	-	-	-	33.843	33.843	33.843	33.843	33.843	33.843	33.844	33.844	33.844	33.844	33.844	33.844	33.844	33.844	33.844	-						
4) CHAFF COUNTERMEASURES																																	
4.1) RR-129 <sup>(10)</sup>																																	
Prior Years Deliveries: 253110																																	
	9	2015	NAVY	90.086	90.086	-																						-					
	9	2016	NAVY	135.589	135.589	-																						-					
	9	2017	NAVY	39.224	13.200	26.024	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	2.924	-						
5) F-35 COUNTERMEASURES																																	
5.1) ALE-70 <sup>(14)</sup>																																	
Prior Years Deliveries: 340																																	
	10	2014	NAVY	.132	.132	-																						-					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

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**Exhibit P-21, Production Schedule: PB 2017 Navy** **Date:** February 2016

**Appropriation / Budget Activity / Budget Sub Activity:**  
1508N / 01 / 1

**P-1 Line Item Number / Title:**  
0182 / Air Expendable Countermeasures

**Aggregated Items:**  
Air Expendable Countermeasures (1)

Items (Units in Thousands)						Fiscal Year 2018														Fiscal Year 2019											BALANCE	
OCO #	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
10		2014	AF (+)	.104	.104	-																								-		
10		2014	<b>Total</b>	<b>.236</b>	<b>.236</b>	-																								-		
10		2015	NAVY	.120	.120	-																								-		
10		2015	AF (+)	.466	.466	-																								-		
10		2015	<b>Total</b>	<b>.586</b>	<b>.586</b>	-																								-		
10		2017	NAVY	.072	-	.072	-	-	-	-	-	-	-	.040	.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10		2017	AF (+)	.192	-	.192	-	-	-	-	-	-	-	-	-	.020	.020	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019	-		
10		2017	<b>Total</b>	<b>.264</b>	-	<b>.264</b>	-	-	-	-	-	-	-	<b>.040</b>	<b>.032</b>	<b>.020</b>	<b>.020</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	<b>.019</b>	-			
5.2) MJU-68																																
Prior Years Deliveries: 2575																																
11		2014	NAVY	1.619	1.619	-	-	-	-	-	-	-	-																	-		
11		2014	AF (+)	2.060	.810	1.250	.250	.250	.250	.250	.250	.250	.250																	-		
11		2014	<b>Total</b>	<b>3.679</b>	<b>2.429</b>	<b>1.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>																	-		
11		2015	NAVY	.415	.415	-	-	-	-	-	-	-	-																	-		
11		2015	AF (+)	2.250	1.250	1.000	.250	.250	.250	.250	.250	.250	.250																	-		
11		2015	<b>Total</b>	<b>2.665</b>	<b>1.665</b>	<b>1.000</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>																	-		
11		2017	NAVY	1.261	-	1.261	-	-	-	-	.250	.250	.250	.250	.250	.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11		2017	AF (+)	2.525	-	2.525	-	-	-	-	-	-	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.275	.275	-		
11		2017	<b>Total</b>	<b>3.786</b>	-	<b>3.786</b>	-	-	-	-	-	<b>.250</b>	<b>.250</b>	<b>.500</b>	<b>.500</b>	<b>.500</b>	<b>.261</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.275</b>	<b>.275</b>	-			
5.3) MJU-69																																
Prior Years Deliveries: 2081																																
12		2014	NAVY	1.619	1.619	-	-	-	-	-	-	-	-																	-		
12		2014	AF (+)	2.060	.810	1.250	.250	.250	.250	.250	.250	.250	.250																	-		
12		2014	<b>Total</b>	<b>3.679</b>	<b>2.429</b>	<b>1.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>																	-		
12		2015	NAVY	.415	.415	-	-	-	-	-	-	-	-																	-		
12		2015	AF (+)	2.250	1.250	1.000	.250	.250	.250	.250	.250	.250	.250																	-		
12		2015	<b>Total</b>	<b>2.665</b>	<b>1.665</b>	<b>1.000</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>																	-		
12		2017	NAVY	1.261	-	1.261	-	-	-	-	.250	.250	.250	.250	.250	.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12		2017	AF (+)	2.525	-	2.525	-	-	-	-	-	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.250	.275	.275	-		
12		2017	<b>Total</b>	<b>3.786</b>	-	<b>3.786</b>	-	-	-	-	-	<b>.250</b>	<b>.250</b>	<b>.500</b>	<b>.500</b>	<b>.500</b>	<b>.261</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.250</b>	<b>.275</b>	<b>.275</b>	-			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

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<b>Exhibit P-21, Production Schedule:</b> PB 2017 Navy		<b>Date:</b> February 2016
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1508N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0182 / Air Expendable Countermeasures
		<b>Aggregated Items:</b> Air Expendable Countermeasures <sup>(1)</sup>

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2017	1-8-5 For 2017	MAX For 2017	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	BAE SYSTEMS - NASHUA, NH	72	360	600	-	3	13	16	-	2	13	15
2	CRANE ARMY AMMUNITION ACTIVITY - CRANE, IN	12,000	86,400	129,000	-	-	-	-	-	7	6	13
3	CRANE ARMY AMMUNITION ACTIVITY - CRANE, IN	12,000	86,400	129,000	-	14	3	17	-	7	4	11
4	TBD <sup>(18)</sup> - TBD	-	-	-	-	9	9	18	-	9	7	16
5	ALLOY SURFACES, INC. - ASTON, PA	15,000	100,800	201,600	-	11	6	17	-	9	6	15
6	Esterline Defense Technologies - Camden, AR	5,000	20,000	35,000	-	6	6	12	-	9	8	17
7	ARMTEC DEFENSE, INC. - COACHELLA, CA	66,000	230,400	537,600	-	8	6	14	-	7	6	13
8	CAPCO, INC - GRAND JUNCTION, CO	220,000	1,296,000	1,555,200	-	9	9	18	-	8	10	18
9	ARMTEC DEFENSE, INC. - COACHELLA, CA	100,000	345,600	1,409,650	-	6	6	12	-	6	3	9
10	BAE SYSTEMS - NASHUA, NH	120	360	3,600	-	8	13	21	-	7	13	20
11	BAE SYSTEMS - NASHUA, NH	1,000	3,000	12,000	-	8	10	18	-	8	10	18
12	BAE SYSTEMS - NASHUA, NH	1,000	3,000	12,000	-	8	10	18	-	8	10	18

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

<sup>(18)</sup> MJU-61 FY16 annual production rates TBD pending contract award.

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