

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** FY 2018 Army **Date:** May 2017

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** E37300 / Rocket, Hydra 70, All Types

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

**Line Item MDAP/MAIS Code:** N/A

| <b>Resource Summary</b>                                     | <b>Prior Years</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018 Base</b> | <b>FY 2018 OCO</b> | <b>FY 2018 Total</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>To Complete</b> | <b>Total</b>      |
|---|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------|
| Procurement Quantity ( <i>Units in Each</i> )               | -                  | 130,508        | 69,929         | 90,482              | 60,684             | 151,166              | 3,410          | 3,211          | 328            | 3,945          | Continuing         | Continuing        |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )          | -                  | 171.193        | 140.064        | 161.155             | 75.820             | 236.975              | 92.088         | 76.818         | 50.100         | 80.569         | Continuing         | Continuing        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )       | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -                 |
| Net Procurement (P-1) ( <i>\$ in Millions</i> )             | -                  | 171.193        | 140.064        | 161.155             | 75.820             | 236.975              | 92.088         | 76.818         | 50.100         | 80.569         | Continuing         | Continuing        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )       | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -                 |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> ) | -                  | <b>171.193</b> | <b>140.064</b> | <b>161.155</b>      | <b>75.820</b>      | <b>236.975</b>       | <b>92.088</b>  | <b>76.818</b>  | <b>50.100</b>  | <b>80.569</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> ) | - | 1,311.74 | 2,002.95 | 1,781.07 | 1,249.42 | 1,567.65 | 27,005.28 | 23,923.39 | 152,743.90 | 20,423.07 | Continuing | Continuing |

**Description:**

The Hydra-70 Product Office is the executive procurement agent for all services, for all variants of 2.75" rockets. This budget line procures all Hydra-70 rocket types in support of operational, training and war reserve requirements. The system provides combat overmatch capability and ensures the availability of munitions to support combat operations. This system of aerial rockets is used by Army aircraft (AH-64 Apache, H-60 Blackhawk and Special Operations aircraft). The unguided systems perform a number of roles including anti-materiel, anti-personnel, air-to-ground suppression and illumination. The guided system is used to provide increased accuracy over the unguided munitions in precision strikes against lightly armored and soft point targets enabling better conformance to restricted rules of engagement. This Hydra-70 rocket funding also supports the entire Hydra-70 Rocket System to include resolution of obsolescence, safety, insensitive munitions, reliability, weapon integration activities, test sets, engineering changes, production issues and guidance section repair kits.

NOTE: QTY EA

**UNCLASSIFIED**

**Exhibit P-40, Budget Line Item Justification:** FY 2018 Army **Date:** May 2017

**Appropriation / Budget Activity / Budget Sub Activity:** 2034A: Procurement of Ammunition, Army / BA 01: Ammunition / BSA 45: Rockets **P-1 Line Item Number / Title:** E37300 / Rocket, Hydra 70, All Types

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

**Line Item MDAP/MAIS Code:** N/A

| Exhibits Schedule |  |             |       |                | Prior Years                           | FY 2016                               | FY 2017                               | FY 2018 Base                          | FY 2018 OCO                           | FY 2018 Total                         |
|-------------------|--|-------------|-------|----------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Exhibit Type      | Title*   | Subexhibits | ID CD | MDAP/MAIS Code | 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-5               | E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided | P-5a, P-21  |       |                | - / -                                 | 130,019 / 168.203                     | 68,089 / 126.997                      | 88,482 / 98.649                       | 60,603 / 73.000                       | 149,085 / 171.649                     |
| P-5               | E37413 / AMMO-Hydra, Aviation Rocket Procurement, Guided   | P-5a, P-21  |       |                | - / -                                 | 489 / 2.990                           | 1,840 / 13.067                        | 2,000 / 62.506                        | 81 / 2.820                            | 2,081 / 65.326                        |
| <b>P-40</b>       | <b>Total Gross/Weapon System Cost</b>                      |             |       |                | - / -                                 | <b>130,508 / 171.193</b>              | <b>69,929 / 140.064</b>               | <b>90,482 / 161.155</b>               | <b>60,684 / 75.820</b>                | <b>151,166 / 236.975</b>              |

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

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

**Justification:**  
 The Hydra-70 Product Office is the executive procurement agent for all services, for all variants of 2.75 Rockets. This budget activity includes both training standard items and items that may be used in both training and combat. The Fiscal Year (FY) 2018 procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals. FY 2018 Base procurement dollars in the amount of \$161.155 million will procure 88,482 unguided Hydra-70 Rockets and 2,000 guidance sections. FY 2018 OCO funding levels will replace and replenish rockets expended in wartime operations. FY 2018 OCO procurement dollars in the amount of \$75.820 million will procure 60,603 unguided Hydra-70 Rockets and 81 guidance sections. Procurement funding is required in FY 2018 in order to support the new Hydra-70 guided rockets requirements. The Army intends to convert any price advantage created through contract negotiations, other service procurement, and/or Foreign Military Sales (FMS) to increase procurement of 2.75 rockets.

"In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities."

**UNCLASSIFIED**

|  |  |   |
|--|--|---|
| <b>Exhibit P-5, Cost Analysis: FY 2018 Army</b>                                  |  | <b>Date:</b> May 2017   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types | <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |

|   |                        |
|---|------------------------|
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : | <b>MDAP/MAIS Code:</b> |
|---|------------------------|

| <b>Resource Summary</b>   | <b>Prior Years</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018 Base</b> | <b>FY 2018 OCO</b> | <b>FY 2018 Total</b> |
|---|--------------------|----------------|----------------|---------------------|--------------------|----------------------|
| Procurement Quantity ( <i>Units in Each</i> )   | -                  | 130,019        | 68,089         | 88,482              | 60,603             | 149,085              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )  | -                  | 168.203        | 126.997        | 98.649              | 73.000             | 171.649              |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )   | -                  | -              | -              | -                   | -                  | -                    |
| Net Procurement (P-1) ( <i>\$ in Millions</i> )   | -                  | 168.203        | 126.997        | 98.649              | 73.000             | 171.649              |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )   | -                  | -              | -              | -                   | -                  | -                    |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )   | -                  | <b>168.203</b> | <b>126.997</b> | <b>98.649</b>       | <b>73.000</b>      | <b>171.649</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> )  | -                  | -              | -              | -                   | -                  | -                    |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )  | -                  | 1,293.68       | 1,865.16       | 1,114.90            | 1,204.56           | 1,151.35             |

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

| <b>Cost Elements</b>                     | <b>Prior Years</b>       |                      |                             | <b>FY 2016</b>           |                      |                             | <b>FY 2017</b>           |                      |                             | <b>FY 2018 Base</b>      |                      |                             | <b>FY 2018 OCO</b>       |                      |                             | <b>FY 2018 Total</b>     |                      |                             |
|--|--------------------------|----------------------|-----------------------------|--------------------------|----------------------|-----------------------------|--------------------------|----------------------|-----------------------------|--------------------------|----------------------|-----------------------------|--------------------------|----------------------|-----------------------------|--------------------------|----------------------|-----------------------------|
|  | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) | <b>Unit Cost</b><br>(\$) | <b>Qty</b><br>(Each) | <b>Total Cost</b><br>(\$ M) |
| <b>Flyaway Cost</b>                      |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |
| <b>Recurring Cost</b>                    |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |
| Complete Round <sup>(†)</sup>            | -                        | -                    | -                           | 987.90                   | 130,019              | 128.446                     | 1,369.81                 | 68,089               | 93.269                      | 934.95                   | 88,482               | 82.726                      | 1,052.84                 | 60,603               | 63.805                      | 982.87                   | 149,085              | 146.531                     |
| <i>Subtotal: Recurring Cost</i>          | -                        | -                    | -                           | -                        | -                    | <b>128.446</b>              | -                        | -                    | <b>93.269</b>               | -                        | -                    | <b>82.726</b>               | -                        | -                    | <b>63.805</b>               | -                        | -                    | <b>146.531</b>              |
| <i>Subtotal: Flyaway Cost</i>            | -                        | -                    | -                           | -                        | -                    | <b>128.446</b>              | -                        | -                    | <b>93.269</b>               | -                        | -                    | <b>82.726</b>               | -                        | -                    | <b>63.805</b>               | -                        | -                    | <b>146.531</b>              |
| <b>Support Cost</b>                      |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |                          |                      |                             |
| Component Eng Spt (Other Gov't Agencies) | -                        | -                    | -                           | -                        | -                    | 27.360                      | -                        | -                    | 21.124                      | -                        | -                    | 11.679                      | -                        | -                    | 5.453                       | -                        | -                    | 17.132                      |
| Prod/Sys Engineering/Program Management  | -                        | -                    | -                           | -                        | -                    | 12.397                      | -                        | -                    | 12.604                      | -                        | -                    | 4.244                       | -                        | -                    | 3.742                       | -                        | -                    | 7.986                       |
| <i>Subtotal: Support Cost</i>            | -                        | -                    | -                           | -                        | -                    | <b>39.757</b>               | -                        | -                    | <b>33.728</b>               | -                        | -                    | <b>15.923</b>               | -                        | -                    | <b>9.195</b>                | -                        | -                    | <b>25.118</b>               |
| <b>Gross/Weapon System Cost</b>          | -                        | -                    | -                           | <b>1,293.68</b>          | <b>130,019</b>       | <b>168.203</b>              | <b>1,865.16</b>          | <b>68,089</b>        | <b>126.997</b>              | <b>1,114.90</b>          | <b>88,482</b>        | <b>98.649</b>               | <b>1,204.56</b>          | <b>60,603</b>        | <b>73.000</b>               | <b>1,151.35</b>          | <b>149,085</b>       | <b>171.649</b>              |

(†) indicates the presence of a P-5a

**UNCLASSIFIED**

|  |  |  |  |  |  |  |   |  |  |  |  |
|--|--|--|--|--|--|--|---|--|--|--|--|
| <b>Exhibit P-5a, Procurement History and Planning: FY 2018 Army</b>              |  |  |  |  |  |  | <b>Date: May 2017</b>   |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |  |  |  | <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |  |  |  |  |

| Cost Elements                 | O<br>C<br>O | FY   | Contractor and Location          | Method/Type<br>or<br>Funding Vehicle | Location of PCO      | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i> | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP Issue<br>Date |
|-------------------------------|-------------|------|----------------------------------|--------------------------------------|----------------------|---------------|------------------------------|----------------------|--------------------------|------------------------|-------------------------------|-------------------|
| Complete Round <sup>(†)</sup> |             | 2016 | General Dynamics / Williston, VT | C / FFP                              | Redstone Arsenal, AL | Jul 2016      | Dec 2017                     | 130,019              | 987.90                   | Y                      |                               | Apr 2013          |
| Complete Round <sup>(†)</sup> |             | 2017 | General Dynamics / Williston, VT | C / FFP                              | Redstone Arsenal, AL | Mar 2017      | Sep 2018                     | 68,089               | 1,369.81                 | Y                      |                               | Apr 2013          |
| Complete Round <sup>(†)</sup> |             | 2018 | General Dynamics / Williston, VT | C / FFP                              | Redstone Arsenal, AL | Mar 2018      | Sep 2019                     | 149,085              | 982.87                   | Y                      |                               | Apr 2013          |

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

**Remarks:**

- QTY EA for delivery schedule.
- Contractor minimum sustainment rate for the total of all variants is 80,000 rockets annually.
- FY17 & FY18 are contract option years.
  
- Other services and FMS customers are shown on the P-21 delivery schedule.

**UNCLASSIFIED**

|  |  |   |
|--|--|---|
| <b>Exhibit P-21, Production Schedule: FY 2018 Army</b>                           |  | <b>Date:</b> May 2017   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types                      |
|  |  | <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |

| Cost Elements<br><i>(Units in Thousands)</i> |          |             |              |                |                                | Fiscal Year 2016             |                    |       |       |       |       |       |       |       |       |       |       |       | Fiscal Year 2017 |                    |       |       |       |       |       |       |       |       |       |                |  | BALANCE |  |
|--|----------|-------------|--------------|----------------|--------------------------------|------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--|---------|--|
| O C O  | M F R #  | FY          | SERVICE      | PROC QTY       | ACCEP T<br>TO 1<br>OCT<br>2015 | BAL<br>DUE<br>AS OF<br>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          |  |         |  |
| Complete Round                               |          |             |              |                |                                |                              |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       |                |  |         |  |
|  | 1        | 2016        | ARMY         | 130.019        | .000                           | 130.019                      |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 130.019        |  |         |  |
|  | 1        | 2016        | NAVY (+)     | 28.939         | .000                           | 28.939                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 28.939         |  |         |  |
|  | 1        | 2016        | FMS (+)      | 103.595        | .000                           | 103.595                      |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 103.595        |  |         |  |
|  | 1        | 2016        | AF (+)       | 24.492         | .000                           | 24.492                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 24.492         |  |         |  |
|  | <b>1</b> | <b>2016</b> | <b>Total</b> | <b>287.045</b> | <b>.000</b>                    | <b>287.045</b>               |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | <b>287.045</b> |  |         |  |
|  | 1        | 2017        | ARMY         | 68.089         | .000                           | 68.089                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 68.089         |  |         |  |
|  | 1        | 2017        | NAVY (+)     | 32.808         | .000                           | 32.808                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 32.808         |  |         |  |
|  | 1        | 2017        | FMS (+)      | 140.404        | .000                           | 140.404                      |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 140.404        |  |         |  |
|  | 1        | 2017        | AF (+)       | 6.497          | .000                           | 6.497                        |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 6.497          |  |         |  |
|  | <b>1</b> | <b>2017</b> | <b>Total</b> | <b>247.798</b> | <b>.000</b>                    | <b>247.798</b>               |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | <b>247.798</b> |  |         |  |
|  | 1        | 2018        | ARMY         | 149.085        | .000                           | 149.085                      |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 149.085        |  |         |  |
|  | 1        | 2018        | NAVY (+)     | 60.760         | .000                           | 60.760                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 60.760         |  |         |  |
|  | 1        | 2018        | FMS (+)      | 47.234         | .000                           | 47.234                       |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 47.234         |  |         |  |
|  | 1        | 2018        | AF (+)       | 1.429          | .000                           | 1.429                        |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | 1.429          |  |         |  |
|  | <b>1</b> | <b>2018</b> | <b>Total</b> | <b>258.508</b> | <b>.000</b>                    | <b>258.508</b>               |                    |       |       |       |       |       |       |       |       |       |       |       |                  |                    |       |       |       |       |       |       |       |       |       | <b>258.508</b> |  |         |  |
|  |          |             |              |                |                                |                              | 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          |  |         |  |

**UNCLASSIFIED**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                       |  |   |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------|--|---|--|--|--|--|--|--|--|--|--|
| <b>Exhibit P-21, Production Schedule: FY 2018 Army</b>                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Date: May 2017</b> |  |   |  |  |  |  |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  |  |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |  |  |  |  |  |  |  |                       |  | <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |  |  |  |  |  |  |  |  |  |

| Cost Elements<br><i>(Units in Thousands)</i> |                  |              |                |             | Fiscal Year 2018  |  |                    |              |              |              |              |              |              |               |               |               |               |               | Fiscal Year 2019 |               |                    |               |               |               |               |               |               |               |             |               |                |  | B<br>A<br>L<br>A<br>N<br>C<br>E |  |  |
|--|------------------|--------------|----------------|-------------|---|--|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|----------------|--|---------------------------------|--|--|
| O<br>C<br>C<br>O                             | M<br>F<br>R<br># | FY           | SERVICE        | PROC<br>QTY | ACCEP<br>T<br>P<br>R<br>I<br>O<br>R<br>T<br>O<br>1<br>O<br>C<br>T<br>2<br>0<br>1<br>7 | BAL<br>D<br>U<br>E<br>A<br>S<br>O<br>F<br>1<br>O<br>C<br>T | Calendar Year 2018 |              |              |              |              |              |              |               |               |               |               |               |                  |               | Calendar Year 2019 |               |               |               |               |               |               |               |             |               |                |  |                                 |  |  |
|  |                  |              |                |             |   |  | O<br>C<br>T        | N<br>O<br>V  | D<br>E<br>C  | J<br>A<br>N  | F<br>E<br>B  | M<br>A<br>R  | A<br>P<br>R  | M<br>A<br>Y   | J<br>U<br>N   | J<br>U<br>L   | A<br>U<br>G   | S<br>E<br>P   | O<br>C<br>T      | N<br>O<br>V   | D<br>E<br>C        | J<br>A<br>N   | F<br>E<br>B   | M<br>A<br>R   | A<br>P<br>R   | M<br>A<br>Y   | J<br>U<br>N   | J<br>U<br>L   | A<br>U<br>G | S<br>E<br>P   |                |  |                                 |  |  |
| Complete Round                               |                  |              |                |             |   |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             |               |                |  |                                 |  |  |
| 1  | 2016             | ARMY         | 130.019        | .000        | 130.019   | -  | -                  | 3.334        | 3.326        | 3.334        | 3.334        | 3.334        | 3.334        | 3.334         | 19.334        | 19.334        | 19.334        | 22.870        | 25.817           | -             | -                  | -             |               |               |               |               |               |               |             | .000          |                |  |                                 |  |  |
| 1  | 2016             | NAVY (+)     | 28.939         | .000        | 28.939  | -  | -                  | -            | -            | -            | -            | -            | -            | 18.422        | -             | 9.411         | 1.106         | -             | -                | -             | -                  | -             |               |               |               |               |               |               |             | .000          |                |  |                                 |  |  |
| 1  | 2016             | FMS (+)      | 103.595        | .000        | 103.595   | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | -             | .299          | -                | 33.120        | 39.988             | 30.188        |               |               |               |               |               |               |             | .000          |                |  |                                 |  |  |
| 1  | 2016             | AF (+)       | 24.492         | .000        | 24.492  | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | 4.500         | 7.561         | 7.517         | 4.914            | -             | -                  | -             |               |               |               |               |               |               |             | .000          |                |  |                                 |  |  |
| <b>1</b>                                     | <b>2016</b>      | <b>Total</b> | <b>287.045</b> | <b>.000</b> | <b>287.045</b>  | -  | -                  | <b>3.334</b> | <b>3.326</b> | <b>3.334</b> | <b>3.334</b> | <b>3.334</b> | <b>3.334</b> | <b>21.756</b> | <b>19.334</b> | <b>33.245</b> | <b>28.001</b> | <b>30.686</b> | <b>30.731</b>    | <b>33.120</b> | <b>39.988</b>      | <b>30.188</b> | -             | -             | -             | -             | -             | -             | -           | <b>.000</b>   |                |  |                                 |  |  |
| 1  | 2017             | ARMY         | 68.089         | .000        | 68.089  | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | 5.675         | 5.674         | 5.674            | 5.674         | 5.674              | 5.674         | 5.674         | 5.674         | 5.674         | 5.674         | 5.674         | 5.674         | 5.674       | .000          |                |  |                                 |  |  |
| 1  | 2017             | NAVY (+)     | 32.808         | .000        | 32.808  | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | 2.734         | 2.734         | 2.734            | 2.734         | 2.734              | 2.734         | 2.734         | 2.734         | 2.734         | 2.734         | 2.734         | 2.734         | 2.734       | .000          |                |  |                                 |  |  |
| 1  | 2017             | FMS (+)      | 140.404        | .000        | 140.404   | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | 11.704        | 11.700        | 11.700           | 11.700        | 11.700             | 11.700        | 11.700        | 11.700        | 11.700        | 11.700        | 11.700        | 11.700        | 11.700      | .000          |                |  |                                 |  |  |
| 1  | 2017             | AF (+)       | 6.497          | .000        | 6.497   | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | .542          | .542          | .542             | .542          | .542               | .541          | .541          | .541          | .541          | .541          | .541          | .541          | .541        | .000          |                |  |                                 |  |  |
| <b>1</b>                                     | <b>2017</b>      | <b>Total</b> | <b>247.798</b> | <b>.000</b> | <b>247.798</b>  | -  | -                  | -            | -            | -            | -            | -            | -            | -             | -             | -             | <b>20.655</b> | <b>20.650</b> | <b>20.650</b>    | <b>20.650</b> | <b>20.650</b>      | <b>20.649</b> | <b>20.649</b> | <b>20.649</b> | <b>20.649</b> | <b>20.649</b> | <b>20.649</b> | <b>20.649</b> | -           | <b>.000</b>   |                |  |                                 |  |  |
| 1  | 2018             | ARMY         | 149.085        | .000        | 149.085   |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             | 12.424        | 136.661        |  |                                 |  |  |
| 1  | 2018             | NAVY (+)     | 60.760         | .000        | 60.760  |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             | 5.063         | 55.697         |  |                                 |  |  |
| 1  | 2018             | FMS (+)      | 47.234         | .000        | 47.234  |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             | 3.936         | 43.298         |  |                                 |  |  |
| 1  | 2018             | AF (+)       | 1.429          | .000        | 1.429   |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             | .120          | 1.309          |  |                                 |  |  |
| <b>1</b>                                     | <b>2018</b>      | <b>Total</b> | <b>258.508</b> | <b>.000</b> | <b>258.508</b>  |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             | <b>21.543</b> | <b>236.965</b> |  |                                 |  |  |
|  |                  |              |                |             |   |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             |               |                |  |                                 |  |  |
|  |                  |              |                |             |   |  |                    |              |              |              |              |              |              |               |               |               |               |               |                  |               |                    |               |               |               |               |               |               |               |             |               |                |  |                                 |  |  |

**UNCLASSIFIED**

|  |  |   |
|--|--|---|
| <b>Exhibit P-21, Production Schedule: FY 2018 Army</b>                           |  | <b>Date:</b> May 2017   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types                      |
|  |  | <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |

| Cost Elements<br><i>(Units in Thousands)</i> |             |              |                |                | Fiscal Year 2020           |                     |                    |               |               |               |               |               |               |               |               |       |       | Fiscal Year 2021 |       |                    |       |       |       |       |       |       |       |             |             |       | BALANCE |  |  |
|--|-------------|--------------|----------------|----------------|----------------------------|---------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------|-------|------------------|-------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------------|-------------|-------|---------|--|--|
| O C C O                                      | M F R #     | FY           | SERVICE        | PROC QTY       | ACCEPT PRIOR TO 1 OCT 2019 | BAL DUE AS OF 1 OCT | Calendar Year 2020 |               |               |               |               |               |               |               |               |       |       |                  |       | Calendar Year 2021 |       |       |       |       |       |       |       |             |             |       |         |  |  |
|  |             |              |                |                |                            |                     | 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 |         |  |  |
| Complete Round                               |             |              |                |                |                            |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             |             |       |         |  |  |
| 1  | 2016        | ARMY         | 130.019        | 130.019        | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2016        | NAVY (+)     | 28.939         | 28.939         | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2016        | FMS (+)      | 103.595        | 103.595        | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2016        | AF (+)       | 24.492         | 24.492         | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| <b>1</b>                                     | <b>2016</b> | <b>Total</b> | <b>287.045</b> | <b>287.045</b> | <b>.000</b>                | -                   | -                  | -             | -             | -             | -             | -             | -             | -             | -             | -     | -     | -                | -     | -                  | -     | -     | -     | -     | -     | -     | -     | -           | <b>.000</b> |       |         |  |  |
| 1  | 2017        | ARMY         | 68.089         | 68.089         | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2017        | NAVY (+)     | 32.808         | 32.808         | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2017        | FMS (+)      | 140.404        | 140.404        | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2017        | AF (+)       | 6.497          | 6.497          | .000                       |                     |                    |               |               |               |               |               |               |               |               |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| <b>1</b>                                     | <b>2017</b> | <b>Total</b> | <b>247.798</b> | <b>247.798</b> | <b>.000</b>                | -                   | -                  | -             | -             | -             | -             | -             | -             | -             | -             | -     | -     | -                | -     | -                  | -     | -     | -     | -     | -     | -     | -     | -           | <b>.000</b> |       |         |  |  |
| 1  | 2018        | ARMY         | 149.085        | 12.424         | 136.661                    | 12.424              | 12.424             | 12.424        | 12.424        | 12.424        | 12.424        | 12.424        | 12.423        | 12.423        | 12.423        |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2018        | NAVY (+)     | 60.760         | 5.063          | 55.697                     | 5.063               | 5.063              | 5.063         | 5.063         | 5.063         | 5.063         | 5.063         | 5.064         | 5.064         | 5.064         |       |       |                  |       |                    |       |       |       |       |       |       |       |             | .000        |       |         |  |  |
| 1  | 2018        | FMS (+)      | 47.234         | 3.936          | 43.298                     | 3.936               | 3.936              | 3.936         | 3.936         | 3.936         | 3.936         | 3.936         | 3.936         | 3.937         | 3.937         |       |       |                  |       |                    |       |       |       |       |       |       |       | .000        |             |       |         |  |  |
| 1  | 2018        | AF (+)       | 1.429          | .120           | 1.309                      | .119                | .119               | .119          | .119          | .119          | .119          | .119          | .119          | .119          | .119          |       |       |                  |       |                    |       |       |       |       |       |       |       | .000        |             |       |         |  |  |
| <b>1</b>                                     | <b>2018</b> | <b>Total</b> | <b>258.508</b> | <b>21.543</b>  | <b>236.965</b>             | <b>21.542</b>       | <b>21.542</b>      | <b>21.542</b> | <b>21.542</b> | <b>21.542</b> | <b>21.542</b> | <b>21.543</b> | <b>21.542</b> | <b>21.543</b> | <b>21.543</b> | -     | -     | -                | -     | -                  | -     | -     | -     | -     | -     | -     | -     | <b>.000</b> |             |       |         |  |  |
|  |             |              |                |                |                            | 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       |       |         |  |  |

**UNCLASSIFIED**

|   |  |  |
|---|--|--|
| <b>Exhibit P-21, Production Schedule:</b> FY 2018 Army  |  | <b>Date:</b> May 2017  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45                  |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |
| <b>Item Number / Title [DODIC]:</b><br>E37412 / AMMO-Hydra, Aviation Rocket Procurement, Unguided |  |  |

| MFR Ref # | Manufacturer Name - Location     | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months) |                 |                   |                   |                    |                 |                   |                   |
|-----------|----------------------------------|--------------------------------|----------------|--------------|-------------------------------|-----------------|-------------------|-------------------|--------------------|-----------------|-------------------|-------------------|
|           |                                  | MSR For 2018                   | 1-8-5 For 2018 | MAX For 2018 | 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         | General Dynamics - Williston, VT | 80,000                         | 250,000        | 350,000      | 7                             | 6               | 18                | 24                | 7                  | 6               | 18                | 24                |

**Remarks:**  
Production rates for MSR, 1-8-5 and Max are actual quantities. System will not validate with below instructions.

(‡) 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).



**UNCLASSIFIED**

|  |  |   |
|--|--|---|
| <b>Exhibit P-5, Cost Analysis: FY 2018 Army</b>                                  |  | <b>Date:</b> May 2017   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types | <b>Item Number / Title [DODIC]:</b><br>E37413 / AMMO-Hydra, Aviation Rocket Procurement, Guided |

|   |                        |
|---|------------------------|
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : | <b>MDAP/MAIS Code:</b> |
|---|------------------------|

| <b>Resource Summary</b>                                   | <b>Prior Years</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018 Base</b> | <b>FY 2018 OCO</b> | <b>FY 2018 Total</b> |
|---|--------------------|----------------|----------------|---------------------|--------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i>               | -                  | 489            | 1,840          | 2,000               | 81                 | 2,081                |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>          | -                  | 2.990          | 13.067         | 62.506              | 2.820              | 65.326               |
| Less PY Advance Procurement <i>(\$ in Millions)</i>       | -                  | -              | -              | -                   | -                  | -                    |
| Net Procurement (P-1) <i>(\$ in Millions)</i>             | -                  | 2.990          | 13.067         | 62.506              | 2.820              | 65.326               |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>       | -                  | -              | -              | -                   | -                  | -                    |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i> | -                  | <b>2.990</b>   | <b>13.067</b>  | <b>62.506</b>       | <b>2.820</b>       | <b>65.326</b>        |

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

|  |   |          |          |           |           |           |
|--|---|----------|----------|-----------|-----------|-----------|
| Initial Spares <i>(\$ in Millions)</i>               | - | -        | -        | -         | -         | -         |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i> | - | 6,114.52 | 7,101.63 | 31,253.00 | 34,814.81 | 31,391.64 |

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

| <b>Cost Elements</b>            | <b>Prior Years</b> |               |                      | <b>FY 2016</b>    |               |                      | <b>FY 2017</b>    |               |                      | <b>FY 2018 Base</b> |               |                      | <b>FY 2018 OCO</b> |               |                      | <b>FY 2018 Total</b> |               |                      |
|---------------------------------|--------------------|---------------|----------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------|---------------------|---------------|----------------------|--------------------|---------------|----------------------|----------------------|---------------|----------------------|
|                                 | Unit Cost<br>(\$)  | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)   | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)  | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)    | Qty<br>(Each) | Total Cost<br>(\$ M) |
| <b>Flyaway Cost</b>             |                    |               |                      |                   |               |                      |                   |               |                      |                     |               |                      |                    |               |                      |                      |               |                      |
| <b>Recurring Cost</b>           |                    |               |                      |                   |               |                      |                   |               |                      |                     |               |                      |                    |               |                      |                      |               |                      |
| Complete Round <sup>(t)</sup>   | -                  | -             | -                    | 6,114.52          | 489           | 2.990                | 6,707.07          | 1,840         | 12.341               | 28,888.00           | 2,000         | 57.776               | 28,888.89          | 81            | 2.340                | 28,888.03            | 2,081         | 60.116               |
| <i>Subtotal: Recurring Cost</i> | -                  | -             | -                    | -                 | -             | 2.990                | -                 | -             | 12.341               | -                   | -             | 57.776               | -                  | -             | 2.340                | -                    | -             | 60.116               |
| <i>Subtotal: Flyaway Cost</i>   | -                  | -             | -                    | -                 | -             | 2.990                | -                 | -             | 12.341               | -                   | -             | 57.776               | -                  | -             | 2.340                | -                    | -             | 60.116               |
| <b>Support Cost</b>             |                    |               |                      |                   |               |                      |                   |               |                      |                     |               |                      |                    |               |                      |                      |               |                      |
| Prod/Sys Eng/Prog Mgt           | -                  | -             | -                    | -                 | -             | -                    | -                 | -             | 0.584                | -                   | -             | 4.730                | -                  | -             | 0.480                | -                    | -             | 5.210                |
| Component Eng Spt (OGAs)        | -                  | -             | -                    | -                 | -             | -                    | -                 | -             | 0.142                | -                   | -             | -                    | -                  | -             | -                    | -                    | -             | -                    |
| <i>Subtotal: Support Cost</i>   | -                  | -             | -                    | -                 | -             | -                    | -                 | -             | 0.726                | -                   | -             | 4.730                | -                  | -             | 0.480                | -                    | -             | 5.210                |
| <b>Gross/Weapon System Cost</b> | -                  | -             | -                    | 6,114.52          | 489           | 2.990                | 7,101.63          | 1,840         | 13.067               | 31,253.00           | 2,000         | 62.506               | 34,814.81          | 81            | 2.820                | 31,391.64            | 2,081         | 65.326               |

(t) indicates the presence of a P-5a

**UNCLASSIFIED**

|  |  |  |  |  |  |  |   |  |  |  |  |  |
|--|--|--|--|--|--|--|---|--|--|--|--|--|
| <b>Exhibit P-5a, Procurement History and Planning: FY 2018 Army</b>              |  |  |  |  |  |  | <b>Date: May 2017</b>   |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |  |  |  | <b>Item Number / Title [DODIC]:</b><br>E37413 / AMMO-Hydra, Aviation Rocket Procurement, Guided |  |  |  |  |  |

| Cost Elements                 | O<br>C<br>O | FY   | Contractor and Location  | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i> | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP Issue<br>Date |
|-------------------------------|-------------|------|--------------------------|--------------------------------------|-----------------|---------------|------------------------------|----------------------|--------------------------|------------------------|-------------------------------|-------------------|
| Complete Round <sup>(†)</sup> |             | 2016 | BAE Systems / Nashua, NH | SS / FFP                             | Pax River, MD   | Aug 2016      | Jan 2017                     | 489                  | 6,114.52                 |                        |                               |                   |
| Complete Round <sup>(†)</sup> |             | 2017 | BAE Systems / Nashua, NH | SS / FFP                             | Pax River, MD   | Mar 2017      | Oct 2017                     | 1,840                | 6,707.07                 |                        |                               |                   |
| Complete Round <sup>(†)</sup> |             | 2018 | BAE Systems / Nashua, NH | SS / FFP                             | Pax River, MD   | May 2018      | Oct 2018                     | 2,081                | 28,888.03                |                        |                               |                   |

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

**Remarks:**

- QTY EA for delivery schedule.
- FY17 & FY18 are contract option years.



**UNCLASSIFIED**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| <b>Exhibit P-21, Production Schedule: FY 2018 Army</b>                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Date: May 2017</b> |  |  |  |  |   |  |  |  |  |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45 |  |  |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |  |  |  |  |                       |  |  |  |  | <b>Item Number / Title [DODIC]:</b><br>E37413 / AMMO-Hydra, Aviation Rocket Procurement, Guided |  |  |  |  |  |  |  |  |  |

| Cost Elements<br><i>(Units in Each)</i> |                  |      |         |             |   | Fiscal Year 2018   |                    |             |             |             |             |             |             |             |             | Fiscal Year 2019 |                    |             |             |             |             |             |             |             |             | B<br>A<br>L<br>A<br>N<br>C<br>E |             |             |             |             |             |
|---|------------------|------|---------|-------------|---|--|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| O<br>C<br>C<br>O                        | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEP<br>T<br>P<br>R<br>I<br>O<br>R<br>T<br>O<br>1<br>O<br>C<br>T<br>2<br>0<br>1<br>7 | BAL<br>D<br>U<br>E<br>A<br>S<br>O<br>F<br>1<br>O<br>C<br>T | Calendar Year 2018 |             |             |             |             |             |             |             |             |                  | Calendar Year 2019 |             |             |             |             |             |             |             |             |                                 |             |             |             |             |             |
|   |                  |      |         |             |   |  | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L      | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R |                                 | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |
| Complete Round                          |                  |      |         |             |   |  |                    |             |             |             |             |             |             |             |             |                  |                    |             |             |             |             |             |             |             |             |                                 |             |             |             |             |             |
| 1                                       |                  | 2016 | ARMY    | 489         | 489   | 0  |                    |             |             |             |             |             |             |             |             |                  |                    |             |             |             |             |             |             |             |             |                                 |             |             |             | 0           |             |
| 1                                       |                  | 2017 | ARMY    | 1,840       | 0   | 1,840  | 153                | 153         | 153         | 153         | 153         | 153         | 153         | 154         | 154         | 154              | 154                |             |             |             |             |             |             |             |             |                                 |             |             |             |             | 0           |
| 1                                       |                  | 2018 | ARMY    | 2,081       | 0   | 2,081  |                    |             |             |             |             |             |             |             |             |                  |                    |             |             |             |             |             |             |             |             |                                 |             |             |             |             | 0           |
|   |                  |      |         |             |   |  | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L      | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y                     | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |             |

**UNCLASSIFIED**

|   |  |  |
|---|--|--|
| <b>Exhibit P-21, Production Schedule:</b> FY 2018 Army  |  | <b>Date:</b> May 2017  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>2034A / 01 / 45                |  | <b>P-1 Line Item Number / Title:</b><br>E37300 / Rocket, Hydra 70, All Types |
| <b>Item Number / Title [DODIC]:</b><br>E37413 / AMMO-Hydra, Aviation Rocket Procurement, Guided |  |  |

| MFR Ref # | Manufacturer Name - Location | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months) |                 |                   |                   |                    |                 |                   |                   |    |
|-----------|------------------------------|--------------------------------|----------------|--------------|-------------------------------|-----------------|-------------------|-------------------|--------------------|-----------------|-------------------|-------------------|----|
|           |                              | MSR For 2018                   | 1-8-5 For 2018 | MAX For 2018 | 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     | 200                            | 1,000          | 10,000       | 0                             | 0               | 0                 | 0                 | 0                  | 0               | 2                 | 11                | 13 |

**Remarks:**  
Guidance systems are procured on a Navy contract.

"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).