

UNCLASSIFIED

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

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| Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV |
|--|--|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : B | Program Elements for Code B Items: 0204146N | Other Related Program Elements: 0204146M, 0207142F |
|---|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 198 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total |
|---|-------------------|------------------|----------------|----------------|-------------|----------------|----------------|------------------|------------------|------------------|-------------------|-------------------|
| Procurement Quantity (<i>Units in Each</i>) | 51 | 4 | 4 | 4 | - | 4 | 4 | 8 | 10 | 12 | 272 | 369 |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 11,348.108 | 1,059.114 | 927.568 | 926.942 | - | 926.942 | 896.686 | 1,309.470 | 1,608.201 | 1,732.091 | 35,853.205 | 55,661.385 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | 1,264.430 | 30.699 | 79.016 | 29.400 | - | 29.400 | 48.630 | 91.908 | 111.898 | 126.003 | 3,519.083 | 5,301.067 |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 10,083.678 | 1,028.415 | 848.552 | 897.542 | - | 897.542 | 848.056 | 1,217.562 | 1,496.303 | 1,606.088 | 32,334.122 | 50,360.318 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | 1,295.129 | 79.016 | 29.400 | 48.630 | - | 48.630 | 91.908 | 111.898 | 126.003 | 204.132 | 3,314.951 | 5,301.067 |
| Total Obligation Authority (<i>\$ in Millions</i>) | 11,378.807 | 1,107.431 | 877.952 | 946.172 | - | 946.172 | 939.964 | 1,329.460 | 1,622.306 | 1,810.220 | 35,649.073 | 55,661.385 |

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

| | | | | | | | | | | | | |
|--|-------------|-------------|-------------|-------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Initial Spares (<i>\$ in Millions</i>) | - | 25.809 | 28.200 | 59.914 | - | 59.914 | 58.795 | 42.726 | 35.247 | 38.394 | Continuing | Continuing |
| Flyaway Unit Cost (<i>\$ in Thousands</i>) | 194,797.980 | 167,416.000 | 170,634.500 | 159,497.750 | - | 159,497.750 | 164,968.000 | 139,285.625 | 130,840.300 | 114,678.917 | 123,168.375 | 135,190.772 |
| Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>) | 222,511.922 | 264,778.500 | 231,892.000 | 231,735.500 | - | 231,735.500 | 224,171.500 | 163,683.750 | 160,820.100 | 144,340.917 | 131,813.254 | 150,843.862 |

Description:

Joint Strike Fighter (JSF) program will develop and field a family of aircraft that meets the needs of DoD and allies with the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing (STOVL) variant, and the F-35C Carrier Variant (CV) with optimum commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DoN) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters which has increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and includes superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to one manufacturer for the program. USAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.

Notes:

(1) FY10 and prior quantity and funding for F-35B STOVL and F-35C CV were reported under same BLI (0147). Result is 29 F-35B STOVL aircraft (6 - FY08; 7 - FY09; and 16 - FY10) are included in the BLI 0147 budget. FY11 is the first year F-35B STOVL are reported under BLI 0152. CY Advance Procurement for FY10 F-35B STOVL aircraft was included in the FY10 F-35C CV budget. The Advance Procurement Credit for FY10 F-35B STOVL aircraft was included in the FY11 F-35B STOVL budget.

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

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| Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV |
|--|--|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : B | Program Elements for Code B Items: 0204146N | Other Related Program Elements: 0204146M, 0207142F |
|---|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 198 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Exhibits Schedule | | | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total |
|---------------------------------------|-----------------|-------|--|--|--|--|--|--|
| Title* | Exhibits | ID CD | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) |
| 1 / Joint Strike Fighter-CV | P-5, P-5a, P-21 | | 51 / 11,348.108 | 4 / 1,059.114 | 4 / 927.568 | 4 / 926.942 | - / - | 4 / 926.942 |
| Total Gross/Weapon System Cost | | | 51 / 11,348.108 | 4 / 1,059.114 | 4 / 927.568 | 4 / 926.942 | - / - | 4 / 926.942 |

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

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

Justification:
BASIS FOR FY2016 BUDGET REQUEST: The FY16 budget provides funding for 4 Carrier Variant (CV) F-35C aircraft and associated equipment and support, associated sustainment and logistical requirements for DoN, and Advance Procurement for 4 Carrier Variant (CV) aircraft in FY 17.

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Exhibit P-5, Cost Analysis: PB 2016 Navy **Date:** February 2015

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| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV |
|---|--|--|

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

| Resource Summary | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total |
|--|-------------------|------------------|----------------|----------------|-------------|----------------|
| Procurement Quantity (Units in Each) | 51 | 4 | 4 | 4 | - | 4 |
| Gross/Weapon System Cost (\$ in Millions) | 11,348.108 | 1,059.114 | 927.568 | 926.942 | - | 926.942 |
| Less PY Advance Procurement (\$ in Millions) | 1,264.430 | 30.699 | 79.016 | 29.400 | - | 29.400 |
| Net Procurement (P1) (\$ in Millions) | 10,083.678 | 1,028.415 | 848.552 | 897.542 | - | 897.542 |
| Plus CY Advance Procurement (\$ in Millions) | 1,295.129 | 79.016 | 29.400 | 48.630 | - | 48.630 |
| Total Obligation Authority (\$ in Millions) | 11,378.807 | 1,107.431 | 877.952 | 946.172 | - | 946.172 |

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

| | | | | | | |
|---|-------------|-------------|-------------|-------------|---|-------------|
| Initial Spares (\$ in Millions) | - | 25.809 | 28.200 | 59.914 | - | 59.914 |
| Gross/Weapon System Unit Cost (\$ in Thousands) | 222,511.922 | 264,778.500 | 231,892.000 | 231,735.500 | - | 231,735.500 |

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

| Cost Elements | Prior Years | | | FY 2014 | | | FY 2015 | | | FY 2016 Base | | | FY 2016 OCO | | | FY 2016 Total | | |
|---------------------------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| Flyaway Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 1.1.1) Airframe/CFE ⁽¹⁾ | | | | | | | | | | | | | | | | | | |
| (1) | 105,695.275 | 51 | 5,390.459 | 104,269.500 | 4 | 417.078 | 98,048.750 | 4 | 392.195 | 91,869.250 | 4 | 367.477 | - | - | - | 91,869.250 | 4 | 367.477 |
| 1.1.2) CFE Electronics | 28,708.941 | 51 | 1,464.156 | 22,926.250 | 4 | 91.705 | 21,588.000 | 4 | 86.352 | 19,727.000 | 4 | 78.908 | - | - | - | 19,727.000 | 4 | 78.908 |
| 1.1.4) Engines/Eng Acc ⁽¹⁾ | 24,174.098 | 51 | 1,232.879 | 13,898.750 | 4 | 55.595 | 13,747.000 | 4 | 54.988 | 13,019.250 | 4 | 52.077 | - | - | - | 13,019.250 | 4 | 52.077 |
| 1.1.7) Rec Flyaway ECO | 5,805.725 | 51 | 296.092 | 2,822.000 | 4 | 11.288 | 2,667.750 | 4 | 10.671 | 2,492.250 | 4 | 9.969 | - | - | - | 2,492.250 | 4 | 9.969 |
| Subtotal: Recurring Cost | - | - | 8,383.586 | - | - | 575.666 | - | - | 544.206 | - | - | 508.431 | - | - | - | - | - | 508.431 |
| Non Recurring Cost | | | | | | | | | | | | | | | | | | |
| 1.2.1) Non- Recur Cost ⁽²⁾ | - | - | 1,289.739 | - | - | 67.290 | - | - | 112.283 | - | - | 104.842 | - | - | - | - | - | 104.842 |
| 1.2.2) Ancillary Equip | - | - | 261.372 | - | - | 26.708 | - | - | 26.049 | - | - | 24.718 | - | - | - | - | - | 24.718 |
| Subtotal: Non Recurring Cost | - | - | 1,551.111 | - | - | 93.998 | - | - | 138.332 | - | - | 129.560 | - | - | - | - | - | 129.560 |
| Subtotal: Flyaway Cost | - | - | 9,934.697 | - | - | 669.664 | - | - | 682.538 | - | - | 637.991 | - | - | - | - | - | 637.991 |
| Support Cost | | | | | | | | | | | | | | | | | | |
| 2.1) Airframe PGSE | - | - | 161.123 | - | - | 56.800 | - | - | 56.768 | - | - | 59.915 | - | - | - | - | - | 59.915 |
| 2.2) Engine PGSE | - | - | 122.010 | - | - | 33.151 | - | - | 16.576 | - | - | 19.221 | - | - | - | - | - | 19.221 |
| 2.3) Avionics PGSE | - | - | 180.911 | - | - | 56.794 | - | - | 39.265 | - | - | 48.730 | - | - | - | - | - | 48.730 |
| 2.4) Pec Trng Eq | - | - | 231.093 | - | - | 67.734 | - | - | 0.185 | - | - | 33.201 | - | - | - | - | - | 33.201 |
| 2.5) Pub/Tech Eq | - | - | 84.216 | - | - | 20.691 | - | - | 20.425 | - | - | 17.037 | - | - | - | - | - | 17.037 |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy | | | | | | | | | | | | Date: February 2015 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | | | | | | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | | | | | | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | | | MDAP/MAIS Code: | | | | | |

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

| Cost Elements | Prior Years | | | FY 2014 | | | FY 2015 | | | FY 2016 Base | | | FY 2016 OCO | | | FY 2016 Total | | |
|---------------------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| 2.6) Other ILS | - | - | 313.328 | - | - | 95.166 | - | - | 56.417 | - | - | 55.837 | - | - | - | - | - | 55.837 |
| 2.7) Misc Support | - | - | 4.013 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.8) Prod Eng Supt | - | - | 316.717 | - | - | 59.114 | - | - | 55.394 | - | - | 55.010 | - | - | - | - | - | 55.010 |
| <i>Subtotal: Support Cost</i> | - | - | <i>1,413.411</i> | - | - | <i>389.450</i> | - | - | <i>245.030</i> | - | - | <i>288.951</i> | - | - | - | - | - | <i>288.951</i> |
| Gross/Weapon System Cost | 222,511.922 | 51 | 11,348.108 | 264,778.500 | 4 | 1,059.114 | 231,892.000 | 4 | 927.568 | 231,735.500 | 4 | 926.942 | - | - | - | 231,735.500 | 4 | 926.942 |

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

Footnotes:

- (1) Airframe Unit Recurring Flyaway (URF) is directly affected by USAF, USN and International Partners quantity profile changes year over year. Prior to FY11 STOVL and CV aircraft were combined under BLI 0147, of the 51 prior year aircraft total, 29 were STOVL.
- (2) Non-recurring Costs include such items as DoN share of Production Non-Recurring Tooling per the Joint Strike Fighter (JSF) Production, Sustainment, and Follow-on-Development Memorandum of Understanding (MOU) between the U.S. and eight partner nations cooperating in the production, sustainment and follow-on development of the JSF. In addition, it includes funding for Diminishing Manufacturing, concurrency engineering, technical assistance and Cost Reduction Initiatives (CRI).

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy | | | | | | | Date: February 2015 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | | | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | | | | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV | | | | |

| Cost Elements | 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 (\$ K) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|---------------------------------------|-------------|-------------|---|--------------------------------------|-----------------|---------------|------------------------------|---------------|---------------------|------------------------|-------------------------------|----------------------|
| 1.1.1) Airframe/CFE ^(†) | | 2011 (3) | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Aug 2011 | Oct 2013 | 7 | 123,111.000 | Y | | May 2010 |
| 1.1.1) Airframe/CFE ^(†) | | 2012 | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Sep 2013 | Jun 2014 | 7 | 119,850.000 | Y | | Apr 2012 |
| 1.1.1) Airframe/CFE ^(†) | | 2013 | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Sep 2013 | Jun 2015 | 4 | 115,750.000 | Y | | Apr 2012 |
| 1.1.1) Airframe/CFE ^(†) | | 2014 | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Nov 2014 | Nov 2016 | 4 | 104,269.500 | Y | | Jan 2013 |
| 1.1.1) Airframe/CFE ^(†) | | 2015 | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Oct 2015 | Nov 2017 | 4 | 98,048.750 | Y | | Jan 2014 |
| 1.1.1) Airframe/CFE ^(†) | | 2016 | LOCKHEED MARTIN ⁽⁴⁾ / FT WORTH | SS / FPIF | NAVAIR | Mar 2016 | Jan 2018 | 4 | 91,869.250 | Y | | Jan 2015 |
| 1.1.4) Engines/Eng Acc ^(†) | | 2012 (5) | UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT | SS / FPIF | NAVAIR | Oct 2013 | Oct 2013 | 7 | 13,785.429 | Y | | Oct 2011 |
| 1.1.4) Engines/Eng Acc ^(†) | | 2013 | UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT | SS / FPIF | NAVAIR | Sep 2014 | Apr 2015 | 4 | 13,749.750 | Y | | Jun 2012 |
| 1.1.4) Engines/Eng Acc ^(†) | | 2014 | UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT | SS / FPIF | NAVAIR | Sep 2014 | Jan 2016 | 4 | 13,898.750 | Y | | Mar 2013 |
| 1.1.4) Engines/Eng Acc ^(†) | | 2015 | UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT | SS / FPIF | NAVAIR | May 2015 | Aug 2016 | 4 | 13,747.000 | Y | | Mar 2014 |
| 1.1.4) Engines/Eng Acc ^(†) | | 2016 | UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT | SS / FPIF | NAVAIR | May 2016 | May 2017 | 4 | 13,019.250 | Y | | Mar 2015 |

^(†) indicates the presence of a P-21

Footnotes:

⁽³⁾ Award date is based on UCA award and not contract definitization after negotiations.

⁽⁴⁾ Max Capacity only applies through FY16. Additional capacity will be added each year to meet production requirements.

⁽⁵⁾ (1) Engine delivery is 1 per aircraft. (2) FY 10 and prior costs are for both CV & STOVL variants combined. (3) FY 11 and beyond costs are for CV variant of JSF

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Exhibit P-21, Production Schedule: PB 2016 Navy **Date:** February 2015

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| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV |
|---|--|--|

| Cost Elements <i>(Units in Each)</i> | | | | | Fiscal Year 2013 | | | | | | | | | | | | | Fiscal Year 2014 | | | | | | | | | | | | | | | | | | | |
|---|------------------|------|---------|------------------|---|--|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|---|--|---|-----|---|
| O C C # | M F R # | FY | SERVICE | PROC QTY | ACCEP T P R I O R T O 1 O C T 2 0 1 2 | BAL D U E A S O F 1 O C T | Calendar Year 2013 | | | | | | | | | | | | | Calendar Year 2014 | | | | | | | | | | | | | | | | | |
| | | | | | | | 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 A L | | | | | | |
| 1.1.1) Airframe/CFE ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2011 | NAVY | 7 | - | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | - | 1 | 1 | 1 | 1 | | | | | | | | | - | | |
| | 1 | 2012 | NAVY | 7 | - | 7 | | | | | | | | | | | | A - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | | | | 4 | | |
| | 1 | 2013 | NAVY | 4 | - | 4 | | | | | | | | | | | | A - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | 4 | | |
| | 1 | 2014 | NAVY | 4 | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| | 1 | 2015 | NAVY | 4 ⁽⁶⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| | 1 | 2016 | NAVY | 4 ⁽⁷⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 1.1.4) Engines/Eng Acc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2012 | NAVY | 7 | - | 7 | | | | | | | | | | | | A1 | 1 | - | 1 | - | 1 | 1 | 1 | 1 | | | | | | | | | - | | |
| | 2 | 2013 | NAVY | 4 | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | A - | 4 |
| | 2 | 2014 | NAVY | 4 | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | A - | 4 |
| | 2 | 2015 | NAVY | 4 ⁽⁸⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| | 2 | 2016 | NAVY | 4 ⁽⁹⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| | | | | | | | 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 A L | | | | | | |

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Exhibit P-21, Production Schedule: PB 2016 Navy **Date:** February 2015

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| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV |
|---|--|--|

| Cost Elements <i>(Units in Each)</i> | | | | | | Fiscal Year 2015 | | | | | | | | | | | | | Fiscal Year 2016 | | | | | | | | | | | | | | | | | |
|---|------------------|------|---------|------------------|--|------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|---|---|---|
| O C C O | M F R # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2014 | BAL DUE AS OF 1 OCT | Calendar Year 2015 | | | | | | | | | | | | | Calendar Year 2016 | | | | | | | | | | | | | | | | |
| | | | | | | | 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 A L | | | | | |
| 1.1.1) Airframe/CFE ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2011 | NAVY | 7 | 7 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| | 1 | 2012 | NAVY | 7 | 3 | 4 | - | 1 | 1 | - | 2 | | | | | | | | | | | | | | | | | | | | | | | | | - |
| | 1 | 2013 | NAVY | 4 | - | 4 | - | - | - | - | - | - | - | 1 | - | - | 1 | - | 1 | - | 1 | - | 1 | | | | | | | | | | | | | - |
| | 1 | 2014 | NAVY | 4 | - | 4 | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | |
| | 1 | 2015 | NAVY | 4 ⁽⁶⁾ | - | 4 | | | | | | | | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | |
| | 1 | 2016 | NAVY | 4 ⁽⁷⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 1.1.4) Engines/Eng Acc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | 2012 | NAVY | 7 | 7 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | |
| | 2 | 2013 | NAVY | 4 | - | 4 | - | - | - | - | - | - | 1 | - | 2 | 1 | | | | | | | | | | | | | | | | | | | | - |
| | 2 | 2014 | NAVY | 4 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | 1 | - | - | - | 1 | | | | - | |
| | 2 | 2015 | NAVY | 4 ⁽⁸⁾ | - | 4 | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | |
| | 2 | 2016 | NAVY | 4 ⁽⁹⁾ | - | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| | | | | | | | | 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 A L | | | | |

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Exhibit P-21, Production Schedule: PB 2016 Navy **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 **P-1 Line Item Number / Title:** 0147 / Joint Strike Fighter CV **Item Number / Title [DODIC]:** 1 / Joint Strike Fighter-CV

| Cost Elements <i>(Units in Each)</i> | | | | | | Fiscal Year 2017 | | | | | | | | | | | | Fiscal Year 2018 | | | | | | | | | | | | | |
|---|------------------|------|---------|------------------|--|------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| O C C # | M F R # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2016 | BAL DUE AS OF 1 OCT | Calendar Year 2017 | | | | | | | | | | | | Calendar Year 2018 | | | | | | | | | | | | B A L |
| | | | | | | | 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 | |
| 1.1.1) Airframe/CFE ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 2011 | NAVY | 7 | 7 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 2012 | NAVY | 7 | 7 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 2013 | NAVY | 4 | 4 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | 2014 | NAVY | 4 | - | 4 | - | 1 | - | 1 | - | 1 | - | - | 1 | | | | | | | | | | | | | | | | |
| 1 | | 2015 | NAVY | 4 ⁽⁶⁾ | - | 4 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | | | | | |
| 1 | | 2016 | NAVY | 4 ⁽⁷⁾ | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | 1 | - | 1 | | | |
| 1.1.4) Engines/Eng Acc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prior Years Deliveries: 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2012 | NAVY | 7 | 7 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2013 | NAVY | 4 | 4 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2014 | NAVY | 4 | 4 | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2015 | NAVY | 4 ⁽⁸⁾ | 1 | 3 | 1 | - | 1 | - | 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | 2016 | NAVY | 4 ⁽⁹⁾ | - | 4 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 1 | - | 1 | - | 1 | | | | | |
| | | | | | | | 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 A L |

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Exhibit P-21, Production Schedule: PB 2016 Navy **Date:** February 2015

| | | |
|---|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV |
|---|--|--|

| MFR Ref # | MFR Name - Location | Production Rates (Each / Year) | | | Procurement Leadtime (Months) | | | | | | | |
|-----------|--|--------------------------------|----------------|--------------|-------------------------------|-----------------|---------|-------------------|--------------------|-----------------|---------|-------------------|
| | | MSR For 2016 | 1-8-5 For 2016 | MAX For 2016 | Initial | | | | Reorder | | | |
| | | | | | ALT Prior to Oct 1 | ALT After Oct 1 | Mfg PLT | Total After Oct 1 | ALT Prior to Oct 1 | ALT After Oct 1 | Mfg PLT | Total After Oct 1 |
| 1 | LOCKHEED MARTIN ⁽⁴⁾ - FT WORTH | 2 | 3 | 7 | 8 | 6 | 22 | 28 | - | 6 | 21 | 27 |
| 2 | UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT | 2 | 3 | 7 | 8 | 4 | 17 | 21 | - | 7 | 12 | 19 |

"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:

- ⁽⁴⁾ Max Capacity only applies through FY16. Additional capacity will be added each year to meet production requirements.
- ⁽⁶⁾ FY15 Airframe QTY increased by 2.
- ⁽⁷⁾ FY16 Airframe QTY increased by 2.
- ⁽⁸⁾ FY15 Engine QTY increased by 2.
- ⁽⁹⁾ FY16 Engine QTY increased by 2.

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

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV |
|--|--|

| | |
|--|---|
| Program Elements for Code B Items: 0204146N | Other Related Program Elements: 0204146M, 0207142F |
|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 198 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total |
|---|------------------|---------------|---------------|---------------|-------------|---------------|---------------|----------------|----------------|----------------|------------------|------------------|
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,295.129 | 79.016 | 29.400 | 48.630 | - | 48.630 | 91.908 | 111.898 | 126.003 | 204.132 | 3,314.951 | 5,301.067 |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 1,295.129 | 79.016 | 29.400 | 48.630 | - | 48.630 | 91.908 | 111.898 | 126.003 | 204.132 | 3,314.951 | 5,301.067 |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,295.129 | 79.016 | 29.400 | 48.630 | - | 48.630 | 91.908 | 111.898 | 126.003 | 204.132 | 3,314.951 | 5,301.067 |

Description:

Joint Strike Fighter (JSF) program is developing and fielding a family of aircraft that meets the needs of DoD and allies, with the F-35A Conventional Take Off and Landing (CTOL) variant, F-35B Short Take-Off and Vertical Landing (STOVL) variant and F-35C Carrier Variant (CV). The aircraft will have optimum commonality among three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between Department of Navy (DoN) and Department of Air Force (DAF) and currently resides with the Navy. The F-35 is next generation of strike fighters to command and maintain global air superiority. Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY 2017 JSF aircraft buy.

Note: Prior to FY11, F-35B USMC variant was reported against Budget Line Item 0147. The F-35B USMC variant now reports under Budget Line Item 0152. CY Advance Procurement for FY10 F-35B STOVL aircraft was included in the FY10 F-35C CV budget. The Advance Procurement Credit for FY10 F-35B STOVL aircraft was included in the FY11 F-35B STOVL budget.

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

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV |
|--|--|

| | |
|--|---|
| Program Elements for Code B Items: 0204146N | Other Related Program Elements: 0204146M, 0207142F |
|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 198 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Exhibits Schedule | | | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total |
|---------------------------------------|----------|-------|--|--|--|--|--|--|
| Title* | Exhibits | ID CD | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) | Quantity / Total Cost (Each) / (\$ M) |
| 1 / Joint Strike Fighter-CV | P-10 | | - / 1,295.129 | - / 79.016 | - / 29.400 | - / 48.630 | - / - | - / 48.630 |
| Total Gross/Weapon System Cost | | | - / 1,295.129 | - / 79.016 | - / 29.400 | - / 48.630 | - / - | - / 48.630 |

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

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

Justification:

BASIS FOR FY 2016 BUDGET REQUEST:

FY16 Advance Procurement funding is requested for long-lead requirements associated with procurement of 4 Carrier Variant (CV) JSF aircraft in FY17.

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|--|--|---|--|---------------------------------|--|---|--|
| Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2016 Navy | | | | | Date: February 2015 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | | | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | | | P-5 Number / Title: 1 / Joint Strike Fighter-CV | |
| First System (2016) Award Date: January 2014 | | First System (2016) Completion Date: January 2014 | | | Interval Between Systems: 0 Months | | |
| Joint Strike Fighter-CV | | Production Leadtime <i>(Months)</i> | Prior Years <i>(Each)</i> | FY 2014 <i>(Each)</i> | FY 2015 <i>(Each)</i> | FY 2016 <i>(Each)</i> | |
| Quantity | | | 51 | 4 | 4 | 4 | |
| Cost Element | | When Rqd <i>(Months)</i> | Prior Years <i>(\$ M)</i> | FY 2014 <i>(\$ M)</i> | FY 2015 <i>(\$ M)</i> | FY 2016 <i>(\$ M)</i> | |
| CFE | | | | | | | |
| CFE- Airframe Termination Liability | | 0 | 1,165.457 | 69.539 | 27.040 | 44.021 | |
| Total: CFE | | | 1,165.457 | 69.539 | 27.040 | 44.021 | |
| GFE | | | | | | | |
| G.F.E Engines Termination Liability | | 0 | 129.672 | 9.477 | 2.360 | 4.609 | |
| Total: GFE | | | 129.672 | 9.477 | 2.360 | 4.609 | |
| Total Advance Procurement/Obligation Authority | | | 1,295.129 | 79.016 | 29.400 | 48.630 | |

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|--|-----------------------|---|--|-----------------------------------|----------------------------|---|--|
| Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2016 Navy | | | | | | Date: February 2015 | |
| Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1 | | | P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV | | | P-5 Number / Title: 1 / Joint Strike Fighter-CV | |
| FY 2016 | | | | | | | |
| Cost Elements | QPA (Each) | Production Leadtime (Months) | Unit Cost (\$ K) | Contract Forecast Date | 2016 Qty (Each) | For FY | Total Cost Request (\$ M) |
| CFE | | | | | | | |
| CFE- Airframe Termination Liability | 1 | | | | | | 44.021 |
| <i>Total: CFE</i> | | | | | | | 44.021 |
| GFE | | | | | | | |
| G.F.E Engines Termination Liability | 1 | | | | | | 4.609 |
| <i>Total: GFE</i> | | | | | | | 4.609 |
| Total Advance Procurement/Obligation Authority | | | | | | | 48.630 |

Description:
 Advance procurement funding in FY2013 will support Airframe and Engine Termination Liability, long-lead parts, and materials necessary to protect the delivery schedule of the FY14 JSF aircraft buy.
 Note: PLT reflects the total lead time necessary to support FY 14 production.
 Note: T.L. is Termination Liability