



Page 181, RDT&E, Navy

|          |  |          |         |          |           |
|----------|--|----------|---------|----------|-----------|
| 0204136N | 180 F/A-18 SQUADRONS                       | decrease | 253,257 | (39,000) | 214,257   |
|          | Fuel Cell Second Source                    |          |         |          | (+1,000)  |
|          | Joint Helmet Mounted Cueing System (JHMCS) |          |         |          | (+10,000) |
|          |  | decrease |         |          | (-50,000) |
| 0204152N | 181 E-2 SQUADRONS                          |          | 20,583  | 10,000   | 30,583    |

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F/A-18E/F

The committee notes that the F/A-18E/F aircraft is currently procured under a multiyear contract, but notes further that the aircraft's F414 propulsion system is not procured under either this contract or a separate multiyear contract. To promote further F/A-18E/F acquisition savings, the committee strongly urges that the Department of the Navy evaluate the benefits of a five-year multiyear procurement structure for the F414 propulsion system beginning in fiscal year 2002.

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F/A-18 improvements

The budget request contained \$253.3 million in PE 24136N for F/A-18 squadrons operational systems development.

Fuel cell second source

The committee understands that the Navy currently has only a single vendor that is qualified to manufacture polyurethane fuel cells for the F/A-18 aircraft. Due to the increased demand for fuel cells for the aircraft and insufficient production capacity, the Navy is not able to meet all operational requirements and is investigating additional manufacturing capability for F/A-18 fuel cells.

The committee recommends an increase of \$1.0 million in PE 24136N for qualification of an additional production source for F/A-18 fuel cells.

**SASC LANGUAGE (Rpt. 107-62)**

Page 55, Aircraft Procurement, Navy

|   |  |    |           |    |           |         |
|---|--|----|-----------|----|-----------|---------|
| 2 | AV-8B (V/STOL)HARRIER (MYP) (AP-CY)      |    |           |    |           |         |
| 3 | F/A-18E/F (FIGHTER) HORNET (MYP)         | 48 | 3,067,522 |    | 15,000    | 48      |
|   | Accelerate IDECM Purchases               |    |           |    | [15,000]  |         |
| 4 | F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY) |    | 88,876    |    |           |         |
| 5 | V-22 (MEDIUM LIFT)                       | 12 | 1,009,881 | -3 | (226,700) | 9       |
|   |  |    |           |    |           | 783,181 |

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|    |              |  |         |  |  |         |
|----|--------------|--|---------|--|--|---------|
| 23 | ADVERSARY    |  | 34,769  |  |  | 34,769  |
| 24 | F-18 SERIES  |  | 193,206 |  |  | 193,206 |
| 25 | H-46 SERIES  |  | 38,664  |  |  | 38,664  |
| 26 | AV-8B SERIES |  | 10,000  |  |  | 10,000  |

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|     |          |  |         |  |          |         |
|-----|----------|--|---------|--|----------|---------|
| 179 | 0101402N | Navy Strategic Communications                            | 4,205   |  | 0        | 4,205   |
| 180 | 0204136N | F/A-18 Squadrons   | 253,257 |  | 27,000   | 280,257 |
|     |          | Joint Helmet Mounted Cueing System (JHMCS) for F/A-18C/D |         |  | [27,000] |         |
| 181 | 0204152N | E-2 Squadrons  | 20,583  |  | 0        | 20,583  |

## **Modernization**

The fiscal year 2002 budget request proposed to decrease spending on upgrades to existing weapons systems and procurement of new systems by \$500.0 million below the fiscal year 2001 enacted level. Significant funding increases for modernization and transformation were deferred pending completion of the Secretary of Defense's defense review and the Quadrennial Defense Review and will instead be reflected in the budget request for fiscal year 2003.

However, the committee notes that the uncertain budget situation raises doubt that funds required for a significant and sustained transformation of U.S. forces will be available in the future without major reductions to current defense programs. The committee urges the administration to address this situation with a clear and sustainable modernization program.

The committee bill would authorize the requested amount for a number of major modernization programs, including development and procurement of new tactical fighter aircraft—\$3.2 billion for the F/A-18E/F Super Hornet and \$3.9 billion for the F-22 Raptor—and \$3.5 billion for the purchase of 15 C-17 strategic airlift aircraft.

To sustain Navy modernization, the committee authorizes \$3.0 billion for three DDG-51 Arleigh Burke class destroyers, \$2.3 billion for one SSN-774 Virginia class attack submarine, and \$370.8 million for one T-AKE auxiliary cargo and ammunition ship. To sustain Army modernization, the committee authorizes \$662.6 million for production of the interim armored vehicle, \$590.2 million for upgrades to the M-1 Abrams tank, and \$467.4 million to procure medium tactical vehicles to replace the Army's aging fleet of medium trucks.

*Page 76, Aircraft Procurement, Navy*

## **Multiyear procurement authority for F/A-18E/F aircraft engines (sec. 122)**

The committee recommends a provision that would provide authority for the Secretary of the Navy to enter into a multiyear contract for the procurement of F/A-18E/F engines.

The budget request included \$3.2 billion to continue buying F/A-18E/F aircraft under a multiyear procurement program.

The Navy has not requested authority to enter into any multiyear contracts to buy the engines for these aircraft. Nevertheless, the Navy has informed the committee that the Department would be able to save money by expanding the multiyear contracting approach to cover the engines. The Navy estimates that it could save roughly \$40 million over the next five years by acquiring the engine under a multiyear contract. Since it is clear that the Navy will be buying the F/A-18E/F aircraft in any case, the committee believes that the Congress should provide the Secretary of the Navy authority to obtain these savings. The committee believes that, if the Navy chooses to proceed on this matter, the Navy and the contractor should work to achieve even greater savings than the current estimates.

*Page 80, Procurement, Other Navy Programs*

## **Navy Aircraft**

### **Integrated defensive electronic countermeasures**

The budget request included \$3.1 billion for the procurement of 48 F/A-18E/F aircraft, of which \$52.1 million would be to buy integrated defensive electronic countermeasures (IDECM) radio frequency countermeasures (RFCM) systems, also known as the AN/ALQ-214. The Navy plan supported by the budget involves outfitting new F/A-18E/F aircraft with only two IDECM RFCM sets of equipment for every three new aircraft. Such a situation will cause Navy wings to "cross-deck" equipment to ensure that deployed carrier air wings have full complements of equipment. This situation could cause at least two problems: (1) non-deployed squadrons will

not have enough equipment with which to train; and (2) these squadrons will be cannibalizing aircraft to move the IDECM RFCM equipment among those aircraft.

The committee recommends an increase of \$15.0 million for the procurement of additional IDECM RFCM equipment for F/A-18E/F aircraft.

*Page 176, RDT&E, Navy*

**Joint air-to-surface standoff missile**

The budget request included \$1.9 million in PE 64312N for continued Navy unique testing for the joint air-to-surface standoff missile (JASSM). Carrier operability is one of the key performance parameters against which the JASSM program is being measured.

Although the Navy has not programmed any funds to integrate JASSM on a particular aircraft, there are several Navy candidate platforms for the missile once the Air Force completes the development phase. JASSM offers the potential of improved performance and lower cost than alternative weapons that the Navy could em-ploy.

The committee believes the missile has reached a maturity level sufficient to begin serious integration tasks on Navy plat-forms, particularly the F/A-18E/F.

The committee recommends an increase of \$8.1 million in PE 64312N to begin JASSM integration efforts on the F/A-18E/F, for a total authorization of \$10.0 million.

*Page 179, RDT&E, Navy*

**Joint helmet mounted cueing system**

The budget request included \$253.3 million in PE 24136N for operational systems development of the F/A-18 series of aircraft, including \$136.6 million for F/A-18 improvements. The budget request supports finishing integration tasks for outfitting the F/A-18E/F aircraft with the joint helmet mounted cueing system (JHMCS).

The budget request, however, included no funding for integrating the JHMCS into the F/A-18C/D aircraft.

The JHMCS system, when combined with the new AIM-9X air-to-air missile, has the potential to offer significant qualitative advantage to our aircraft in air-to-air combat. The JHMCS system also has the potential to enhance flexibility for air crews in cueing weapons and sensors in the stressful air-to-ground tactical environment.

The Marine Corps has indicated that an additional \$27.0 million would permit the Department of the Navy to complete integrating JHMCS into the F/A-18C/D. This would be particularly important to the Marine Corps, since the Marine Corps will not be operating the F/A-18E/F aircraft.

Therefore, the committee recommends an increase of \$27.0 million in PE 24136N for integration of JHMCS on the F/A-18C/D aircraft, a total authorization of \$280.3 million.

**CASC LANGUAGE (Rpt. 107-333)**

*Page 435, Aircraft Procurement, Navy*

|  |    |           |    |           |    |           |          |    |           |
|--|----|-----------|----|-----------|----|-----------|----------|----|-----------|
| F/A-18E/F (FIGHTER) HORNET (MYP)         | 48 | 3,067,522 | 48 | 3,067,522 | 48 | 3,082,522 | 13,000   | 48 | 3,080,522 |
| Accelerate IDECM Purchases               |    |           |    |           |    | [15,000]  | [13,000] |    |           |
| F/A-18E/F (FIGHTER) HORNET (MYP) (AF CY) |    | 88,876    |    | 88,876    |    | 88,876    |          |    | 88,876    |

|    |             |         |         |         |         |
|----|-------------|---------|---------|---------|---------|
| 24 | F-18 SERIES | 193,206 | 193,206 | 193,206 | 193,206 |
| 25 | F-18 SERIES | 193,206 | 193,206 | 193,206 | 193,206 |

|     |          |  |         |          |          |          |
|-----|----------|--|---------|----------|----------|----------|
| 180 | 0204136N | Reduction to Support Higher Transformation Priorities                  |         | [1,000]  |          |          |
|     |          | F/A-18 Squadrons   | 253,257 | 214,257  | 280,257  | 253,257  |
|     |          | Fuel Cell Second Source  |         | [1,000]  |          |          |
|     |          | Joint Helmet Mounted Cueing System (JHMCS) for F/A-18 & Other Aircraft |         | [10,000] |          |          |
|     |          | JHMCS for F/A-18C/D  |         |          | [27,000] |          |
|     |          | JHMCS for F/A-18 Aircraft  |         |          |          | [10,000] |
|     |          | Reduction to Support Higher Transformation Priorities                  |         | [50,000] |          | [10,000] |

*Multiyear procurement authority for F/A-18E/F aircraft engines (sec. 122)*

The Senate bill contained a provision (sec. 122) that would authorize the Secretary of the Navy to enter a multiyear contract for procurement of F/A-18E/F aircraft engines in accordance with section 2306b of title 10, United States Code.

The House amendment contained no similar provision.

The House recedes with an amendment that would require the Secretary to certify that each of the conditions listed in subsection (a) of section 2306b of title 10, United States Code, has been satisfied. The provision would also require that this multiyear procurement contract could not be entered into until 30 days after the aforementioned certification has been transmitted.

The Navy procures engines for F/A-18E/F aircraft directly from the engine contractor and provides the engines to the prime airframe contractor as government-furnished equipment. The Navy is currently procuring the F/A-18E/F airframe under a multiyear contract that covers the fiscal years from 2000 to 2004. The conferees understand that this provision would authorize a multiyear procurement contract that may not cover exactly the same time period as that for the airframe itself. The conferees believe that the Secretary of the Navy should, if he chooses to enter into a multiyear contract for these engines, consider synchronizing the time periods of the contracts for these two items.

**HAC LANGUAGE (Rpt. 107-298)**

|  |         |         |         |
|--|---------|---------|---------|
| F/A-18 SERIES  | 43,041  | 04,041  | 110,000 |
| Additional Litening II Pods  |         |         | +15,000 |
| F-18 SERIES  | 193,206 | 185,206 | -8,000  |
| Delayed prior year obligations   |         |         | -10,000 |
| PRISM (Note: only for procurement, integration and test of photo reconnaissance strike module for F/A-18C/D and F/A-18E/F) |         |         | +2,000  |
| AH-1W SFRIFS   | 10,821  | 17,821  | +7,000  |

AIRCRAFT PROCUREMENT, NAVY

| COMBAT AIRCRAFT                               |    |           |    |           |    |
|---|----|-----------|----|-----------|----|
| F/A-18E/F (FIGHTER) HORNET (MYP).....         | 48 | 3,067,522 | 48 | 3,067,522 | -- |
| F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY)..... | -- | 88,876    | -- | 88,876    | -- |
| V-22 (MEDIUM LIFT).....                       | 12 | 1,009,881 | 9  | 790,881   | -3 |
| V-22 (MEDIUM LIFT) (AP-CY).....               | -- | 48,428    | -- | 48,428    | -- |

|                  |    |         |    |         |        |
|------------------|----|---------|----|---------|--------|
| F-14 SERIES..... | -- | 7,209   | -- | 7,209   | --     |
| ADVERSARY.....   | -- | 34,769  | -- | 34,769  | --     |
| F-18 SERIES..... | -- | 193,206 | -- | 185,206 | -8,000 |
| H-46 SERIES..... | -- | 38,664  | -- | 38,664  | --     |
| H-46 SERIES..... | -- | 10,821  | -- | 17,821  | +7,000 |

|   |  |         |  |         |         |
|---|--|---------|--|---------|---------|
| SUBMARINE ACOUSTIC WARFARE DEVELOPMENT.....               |  | 770     |  | 770     |         |
| NAVY STRATEGIC COMMUNICATIONS.....                        |  | 4,205   |  | 4,205   |         |
| F/A-18 SQUADRONS.....                                     |  | 253,257 |  | 233,257 | -20,000 |
| E-2 SQUADRONS.....  |  | 20,583  |  | 20,583  |         |
| FLEET TELECOMMUNICATIONS (TACTICAL).....                  |  | 21,136  |  | 25,136  | +4,000  |
| TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)..... |  | 76,036  |  | 76,036  |         |

Contains no language.

**SAC LANGUAGE, (Rpt. 107-109)**

|  |    |           |    |           |          |
|--|----|-----------|----|-----------|----------|
| COMBAT AIRCRAFT:                                 |    |           |    |           |          |
| 3 F/A-18E/F (FIGHTER) HORNET (MYP) .....         | 48 | 3,067,522 | 48 | 3,032,522 | —35,000  |
| 4 F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY) ..... |    | 88,876    |    | 88,876    |          |
| 5 V-22 (MEDIUM LIFT) .....                       | 12 | 1,009,881 | 9  | 790,881   | —226,700 |
| 23 ADVERSARY .....                               |    | 34,769    |    | 34,769    |          |
| 24 F-18 SERIES .....                             |    | 193,206   |    | 254,106   | —60,900  |
| 25 H-46 SERIES .....                             |    | 38,664    |    | 38,664    |          |

|   |  |           |  |           |          |
|---|--|-----------|--|-----------|----------|
| 3 F/A-18E/F (FIGHTER) HORNET (MYP) .....            |  | 3,067,522 |  | 3,032,522 | —35,000  |
| Excessive Growth: Ancillary Support Equipment ..... |  |           |  |           | —35,000  |
| 5 V-22 (MEDIUM LIFT) .....                          |  | 1,009,881 |  | 790,881   | —226,700 |
| 24 F-18 SERIES .....                                |  | 193,206   |  | 254,106   | —60,900  |
| Excessive Growth: SLMP and MIDS .....               |  |           |  |           | —3,500   |
| AT FLIR .....                                       |  |           |  |           | —30,000  |
| ECP-583 .....                                       |  |           |  |           | —34,400  |
| 28 SH-60 SERIES .....                               |  | 1,735     |  | 7,735     | 6,000    |

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|   |         |         |        |
|---|---------|---------|--------|
| 179 NAVY STRATEGIC COMMUNICATIONS ..... | 4,205   | 4,205   | .....  |
| 180 F/A-18 SQUADRONS .....              | 253,257 | 260,257 | —7,000 |
| 181 F-2 SQUADRONS .....                 | 20 583  | 20 583  |        |

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|  |         |         |        |
|--|---------|---------|--------|
| 180 F/A-18 SQUADRONS .....               | 253,257 | 260,257 | —7,000 |
| F/A-18E/F SHARP pods .....               |         |         | —7,000 |
| 181 INTEGRATED SURVEILLANCE SYSTEM ..... | 20 583  | 20 583  | 10 000 |

Contains no language.

**CAC LANGUAGE (Rpt. 107-350)**

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|   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| COMBAT AIRCRAFT                               |           |           |           |           |
| F/A-18E/F (FIGHTER) HORNET (MYP).....         | 3,067,522 | 3,067,522 | 3,032,522 | 3,037,522 |
| F/A-18E/F (FIGHTER) HORNET (MYP) (AP-CY)..... | 88,876    | 88,876    | 88,876    | 88,876    |
| V-22 (MEDIUM LIFT) .....                      | 1 000 884 | 700 884   | 700 184   | 700 184   |

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|                  |         |         |         |         |
|------------------|---------|---------|---------|---------|
| F-18 SERIES..... | 193,206 | 185,206 | 254,106 | 230,706 |
|------------------|---------|---------|---------|---------|

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|   |           |           |           |           |
|---|-----------|-----------|-----------|-----------|
| 3 F/A - 18 E/F (FIGHTER) HORNET (MYP)   | 3,067,552 | 3,067,552 | 3,032,522 | 3,037,552 |
| Excessive Growth: Ancillary Support Equipment   |           |           | -35,000   | -30,000   |
| 2 V-22 (MEDIUM LIFT)  | 1 000 884 | 700 884   | 700 184   | 700 184   |
| 24 F-18 SERIES  | 193,206   | 185,206   | 254,106   | 230,706   |
| Delayed prior year obligations  |           | -10,000   |           | -5,000    |
| Excessive Growth: SLMP and MIDS   |           |           | -3,500    | -3,500    |
| PRISM (Note: only for procurement, integration and test of photo reconnaissance strike module for F/A-18C/D and F/A. 18E/F) |           | +2,000    |           | +1,000    |
| AT FLIR   |           |           | +30,000   | +21,000   |
| ECP-583   |           |           | +34,400   | +24,000   |

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|                       |         |         |         |         |
|-----------------------|---------|---------|---------|---------|
| F/A-18 SQUADRONS..... | 253,257 | 233,257 | 260,257 | 259,257 |
| F-2 SQUADRONS.....    | 20 583  | 20 583  | 20 583  | 20 583  |

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|  |                |                |                |                |
|--|----------------|----------------|----------------|----------------|
| <b>167 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT</b>                   | <b>12,693</b>  | <b>17,893</b>  | <b>12,693</b>  | <b>16,493</b>  |
| (Note: Only for projects in support of Time Critical Strike.)        |                | +1,200         |                | +1,000         |
| (Note: Only for a limited demonstration of Radiant Argon on F/A-18.) |                | +4,000         |                | +2,800         |
| <b>180 F/A-18 SQUADRONS</b>  | <b>253,257</b> | <b>233,257</b> | <b>260,257</b> | <b>259,257</b> |
| Authorization Reduction  |                | -20,000        |                | 0              |
| SHARP Pods for shortfall due to accelerated deployment schedule      |                |                | +7,000         | +6,000         |
|  | <b>253,257</b> | <b>233,257</b> | <b>260,257</b> | <b>259,257</b> |

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|  |               |               |               |               |
|--|---------------|---------------|---------------|---------------|
| <b>211 MANNED RECONNAISSANCE SYSTEMS</b>   | <b>29,232</b> | <b>43,232</b> | <b>29,232</b> | <b>33,232</b> |
| (a) (Note: Shared Reconnaissance Pod (SHARP) \$6,000,000 provided in PE020+136N F/A Squadrons)   |               | +7,000        |               | 0             |
| (b) (Note: \$4,000,000 only to accelerate the introduction of the Advanced Multiband Receiver System (AMCSS) on special project aircraft.) |               | +7,000        |               | +4,000        |

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**TACTICAL INPUT SEGMENT (TIS) AND NAVY INPUT STATION (NAVIS)**

In an effort to assist the Navy in ensuring an on-time delivery of a next generation real-time reconnaissance imagery receiving and display system, the conferees recommend that within amounts appropriated to the Office of Naval Research, up to \$2,000,000 may be made available to build additional Navy Input Stations (NAVIS) ground stations that meet emergent operational requirements and provide risk mitigation for the Tactical Input Segment (TIS). In addition, the conferees direct the Navy to continue to integrate the technologies developed in NAVIS into the TIS architecture to ensure the best capabilities of both systems are delivered to the Fleet in time for the first F/A-18 SHARP deployment. The conferees believe that combining such technologies will best serve the tactical precision strike requirements for the Navy now and in the future.