

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

07 - Operational System Development

0207133F F-16 SQUADRONS

2671

| COST (\$ in Thousands) | FY 2002 Actual | FY 2003 Estimate | FY 2004 Estimate | FY 2005 Estimate | FY 2006 Estimate | FY 2007 Estimate | FY 2008 Estimate | FY 2009 Estimate | Cost to Complete | Total Cost |
|----------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| 2671 F-16 Squadrons | 107,035 | 81,639 | 87,478 | 99,867 | 111,954 | 120,079 | 111,450 | 113,519 | Continuing | TBD |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(U) **A. Mission Description**

The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a fixed-wing, high performance, single-engine fighter aircraft. In its 25-year history, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions such as close air support, combat air patrol, forward air control, battle air interdiction (day/night and all-weather) and suppression of enemy air defenses (SEAD). Also during these years the aircraft has evolved in its capabilities to exploit the advances made in computer, avionics systems, engine, and structures technologies. The F-16 has been selected by more than 20 air forces around the world. Foreign military sales production will continue well into the 21st century. The F-16 System Program Office (SPO) develops, integrates, and qualifies systems to enhance the overall performance of the F-16 mission.

The F-16 program develops enhanced combat capability in both the air-to-ground and air-to-air role. Several modifications to improve the F-16's combat capabilities have been combined into a single modification known as the Common Configuration Implementation Program (CCIP) to save significant costs during the production phase. CCIP will modify all Block 40 and Block 50 F-16 aircraft; Block 50 is the lead platform. CCIP integrates several programs under one umbrella and allows incorporation of Modular Mission Computer, color displays, Link 16, Joint Helmet Mounted Cueing System (JHMCS), and Air-to-Air Interrogator (AAI) onto the F-16:

a. The main driver for CCIP will be the Link 16 program. Link 16 is a data link that connects main components of a battle arena to maintain awareness and to share battle management data. The Link 16 program designs the appropriate Group A (hardware mounted permanently on aircraft) to incorporate existing Group B (hardware that is easily removed from airplane) developed by the Multifunctional Information Distribution System (MIDS) Office and adapted for use on the F-16.

b. To enhance the display of the Link 16 data, the current black and white display will be replaced with a Color Multifunction Display (CMFD).

c. To have sufficient computing power in the Block 40/50 aircraft to operate Link 16 and to allow the cost savings by using a common Operational Flight Program, the General Avionics Computer (GAC) must be replaced with the Modular Mission Computer (MMC). The MMC is an upgraded version of the computer that was developed for the EPAF Mid-life Update program. The F-16 SPO is developing MMC upgrades for USAF requirements. The MMC will extend the cost effective life of the F-16 through replacement of three Line Replaceable Units and the addition of significant memory and processing growth provisions.

d. JHMCS incorporates a man-mounted, ejection capable helmet mounted display system, with the capability to cue and verify cueing of high off-axis sensors and weapons including the AIM-9x. The F-16 JHMCS program will integrate the following government furnished equipment with the F-16: flight helmet with display optics, image source, helmet tracker transducer w/attached cable, graphics processor/video hardware and software to drive the display, helmet tracker hardware and software. The integration will interface with aircraft computers, weapons and sensor hardware and will provide software to integrate the JHMCS functions with other

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Exhibit R-2 (PE 0207133F)

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(U) A. Mission Description Continued

onboard systems.

Note: The flight test increase reflects the amount of OFP work required for the CCIP modification.

Other modifications which are being or will be developed during the FYDP:

- a. Advanced Weapons Integration will integrate Joint Direct Attack Munition (JDAM), Joint Stand-off Weapon (JSOW) and Wind Corrected Munition Dispenser (WCMD) and other smart weapons into the Block 30, Block 40, and Block 50 F-16. This task also includes performing risk reduction activities on advanced weapon integration.
- b. Global Positioning System (GPS) Integration adds GPS capability to the Block 30 and supports testing of GPS changes to other F-16 Blocks. The F-16 development efforts are complemented by comprehensive Operational Flight Program (OFP) upgrades and flight tests.
- c. Integrate the targeting pod on the Block 50/52 and transition the HARM Targeting System (HTS) pod to the left inlet hardpoint. This will allow the F-16 Block 50 to perform the SEAD/DEAD mission.
- d. The Air-to-Air Interrogator (AAI) consists of a single unit interrogator/transponder, a beam forming network, fuselage-mounted array antenna elements, and a lower interrogator antenna. The system provides a higher reliability rate and increases performance over present systems. Initial capabilities include coverage of + or - 60 degrees azimuth and elevation coverage with a + or - 2 degree accuracy, a range accuracy of 152 meters and range of 100 nmi. 32 in beam targets can be handled. Modes 1, 2, 3/A, C, S, and 4 are available. The AAI is developed for Block 50 and will be integrated into Block 40.
- e. Structural analysis from the on-going Structural Integrity Program (SIP) has indicated that the F-16 is experiencing structural fatigue that will impact the ability of the airframes to reach their 8,000 hrs service life. RDT&E funds are required to design the required structural modifications, as appropriate for each F-16 Block of aircraft. Falcon STAR development costs will be shared with the Multi-National Fighter Program (MNFP) countries.

(U) FY 2002 (\$ in Thousands)

| | |
|--------------|--|
| (U) \$0 | ACCOMPLISHMENT/PLANNED PROGRAM |
| (U) \$4,795 | Complete Block 40 Link 16 |
| (U) \$4,188 | Complete Block 40 JHMCS |
| (U) \$3,230 | Complete Block 40 Color Display Development/Integration |
| (U) \$7,850 | Complete Block 40 MMC |
| (U) \$47,590 | Continue OFP Updates |
| (U) \$28,172 | Continue Flight Tests DT&E |
| (U) \$1,228 | Complete Block 50 HTS/TGP Capability (Software development, design, test assets) |
| (U) \$6,000 | Continue Falcon STAR (Structural analysis and design) |

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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) | | DATE February 2003 |
|--|---|------------------------------|
| BUDGET ACTIVITY 07 - Operational System Development | PE NUMBER AND TITLE 0207133F F-16 SQUADRONS | PROJECT 2671 |
| <p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands) Continued</u></p> <p>(U) \$3,982 Distributed Training Centers</p> <p>(U) \$107,035 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 ACCOMPLISHMENTS/PLANNED PROGRAM</p> <p>(U) \$1,978 Blk 40 AAI Congressional Plus Up</p> <p>(U) \$49,897 Continue OFP Updates</p> <p>(U) \$468 ALR-56M</p> <p>(U) \$24,167 Continue Flight Tests DT&E</p> <p>(U) \$468 Weapons Integration</p> <p>(U) \$4,661 Continue Falcon STAR (Structural analysis and design)</p> <p>(U) \$81,639 Total</p> <p>(U) <u>FY 2004 (\$ in Thousands)</u></p> <p>(U) \$0 ACCOMPLISHMENT/PLANNED PROGRAM</p> <p>(U) \$47,415 Continue OFP Updates</p> <p>(U) \$32,136 Continue Flight Tests DT&E</p> <p>(U) \$497 ALR-56M</p> <p>(U) \$497 Weapons Integration</p> <p>(U) \$1,963 Commercial Central Interface Unit (CCIU)</p> <p>(U) \$4,970 Complete Falcon STAR (Structural analysis and design)</p> <p>(U) \$87,478 Total</p> <p>(U) <u>B. Budget Activity Justification</u></p> <p>Since the development activities in this PE support an operational aircraft, these development activities are funded in the Operational System Development budget activity 7.</p> | | |
| <div style="display: flex; justify-content: space-between;"> Project 2671 Page 3 of 7 Pages Exhibit R-2 (PE 0207133F) </div> | | |

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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) | | | | | | | | | | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-----------------|-----------------|-------------------|--------------------------------|-----------------|-----------------|---------------------------|-----------------|-------------------|--|----------------|----------------|----------------|-------------------|---------------------------------|---------|--------|--------|-----|------------------------|---------|--------|--|--|---------------------------------------|--|--|--|--|-------------------------------------|--------|------|--|--|---------------------------------------|--------|--|--|--|---|--|------|--|--|------------------------------|--------|--|--|--|----------------|------|--|--|--|---|--|--|--------|--|---------------------------------------|---------|--------|--------|-----|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|--|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|---|---|---|---|---|---|---|--|--|--|-----|---|---------|---------|---------|---------|---------|---------|---------|---------|--|-----|---|--------|--------|--------|--------|--------|--------|--------|--------|--|-----|
| | | | | | | | | | | February 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BUDGET ACTIVITY | | | | | PE NUMBER AND TITLE | | | | | PROJECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 - Operational System Development | | | | | 0207133F F-16 SQUADRONS | | | | | 2671 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td>113,959</td> <td>81,338</td> <td>71,872</td> <td>TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td>115,097</td> <td>83,338</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> a. Congressional/General Reductions</td> <td>-1,138</td> <td>-899</td> <td></td> <td></td> </tr> <tr> <td> b. Small Business Innovative Research</td> <td>-3,573</td> <td></td> <td></td> <td></td> </tr> <tr> <td> c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td>-800</td> <td></td> <td></td> </tr> <tr> <td> d. Below Threshold Reprogram</td> <td>-2,828</td> <td></td> <td></td> <td></td> </tr> <tr> <td> e. Rescissions</td> <td>-523</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2003 PBR</td> <td></td> <td></td> <td>15,606</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2004 PBR</td> <td>107,035</td> <td>81,639</td> <td>87,478</td> <td>TBD</td> </tr> </tbody> </table> <p>(U) <u>Significant Program Changes:</u> FY03: \$2,000 Blk 40 AAI Congressional Plus Up FY04: \$15,606 continues Operation Flight Programs (OFPs) development for the F-16 Block 40/42 and 50/52</p> <p>(U) <u>D. Other Program Funding Summary (\$ in Thousands)</u></p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>FY 2005</u></th> <th><u>FY 2006</u></th> <th><u>FY 2007</u></th> <th><u>FY 2008</u></th> <th><u>FY 2009</u></th> <th><u>Cost to</u></th> <th><u>Total Cost</u></th> </tr> <tr> <th></th> <th><u>Actual</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Estimate</u></th> <th><u>Complete</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>(U) Aircraft Procurement (3010F), Line Item 5; F-16 C/D (MYP)</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td>TBD</td> </tr> <tr> <td>(U) Aircraft Procurement (3010F), Line Item 34, F-16 Mods</td> <td>216,681</td> <td>276,024</td> <td>300,596</td> <td>277,006</td> <td>293,803</td> <td>251,044</td> <td>255,688</td> <td>229,688</td> <td></td> <td>TBD</td> </tr> <tr> <td>(U) Aircraft Procurement (3010F), Line Item 73, Post Production Support</td> <td>14,147</td> <td>14,110</td> <td>13,871</td> <td>11,961</td> <td>17,747</td> <td>11,820</td> <td>17,179</td> <td>18,781</td> <td></td> <td>TBD</td> </tr> </tbody> </table> | | | | | | | | | | | | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>Total Cost</u> | (U) Previous President's Budget | 113,959 | 81,338 | 71,872 | TBD | (U) Appropriated Value | 115,097 | 83,338 | | | (U) Adjustments to Appropriated Value | | | | | a. Congressional/General Reductions | -1,138 | -899 | | | b. Small Business Innovative Research | -3,573 | | | | c. Omnibus or Other Above Threshold Reprogram | | -800 | | | d. Below Threshold Reprogram | -2,828 | | | | e. Rescissions | -523 | | | | (U) Adjustments to Budget Years Since FY 2003 PBR | | | 15,606 | | (U) Current Budget Submit/FY 2004 PBR | 107,035 | 81,639 | 87,478 | TBD | | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>Cost to</u> | <u>Total Cost</u> | | <u>Actual</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Complete</u> | | (U) Aircraft Procurement (3010F), Line Item 5; F-16 C/D (MYP) | 0 | 0 | 0 | 0 | 0 | 0 | | | | TBD | (U) Aircraft Procurement (3010F), Line Item 34, F-16 Mods | 216,681 | 276,024 | 300,596 | 277,006 | 293,803 | 251,044 | 255,688 | 229,688 | | TBD | (U) Aircraft Procurement (3010F), Line Item 73, Post Production Support | 14,147 | 14,110 | 13,871 | 11,961 | 17,747 | 11,820 | 17,179 | 18,781 | | TBD |
| | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>Total Cost</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Previous President's Budget | 113,959 | 81,338 | 71,872 | TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Appropriated Value | 115,097 | 83,338 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Adjustments to Appropriated Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Congressional/General Reductions | -1,138 | -899 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Small Business Innovative Research | -3,573 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Omnibus or Other Above Threshold Reprogram | | -800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Below Threshold Reprogram | -2,828 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Rescissions | -523 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Adjustments to Budget Years Since FY 2003 PBR | | | 15,606 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> | <u>FY 2006</u> | <u>FY 2007</u> | <u>FY 2008</u> | <u>FY 2009</u> | <u>Cost to</u> | <u>Total Cost</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>Actual</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Estimate</u> | <u>Complete</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Aircraft Procurement (3010F), Line Item 5; F-16 C/D (MYP) | 0 | 0 | 0 | 0 | 0 | 0 | | | | TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Aircraft Procurement (3010F), Line Item 34, F-16 Mods | 216,681 | 276,024 | 300,596 | 277,006 | 293,803 | 251,044 | 255,688 | 229,688 | | TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (U) Aircraft Procurement (3010F), Line Item 73, Post Production Support | 14,147 | 14,110 | 13,871 | 11,961 | 17,747 | 11,820 | 17,179 | 18,781 | | TBD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project 2671 | | | | | Page 4 of 7 Pages | | | Exhibit R-2 (PE 0207133F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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07 - Operational System Development

PE NUMBER AND TITLE

0207133F F-16 SQUADRONS

PROJECT

2671(U) **E. Acquisition Strategy**

RDT&E funds will primarily be executed in developing improved capability, maintenance and safety mods. Operational Flight Program (OFP) software will be continuously updated to complement mod development efforts. The approach to contracting varies by individual project. Lockheed Martin Aeronautics Company (LM Aero) is the prime contractor on all systems except the simulator/trainer (Hughes Co.), the 110 Engines (General Electric), and the 229 Engines (Pratt & Whitney). Contract types are CPIF, CPFF, FFP.

(U) **F. Schedule Profile**

| | | <u>FY 2002</u> | | | | <u>FY 2003</u> | | | | <u>FY 2004</u> | | | |
|--------------------------------|--------------------------------------|----------------|---|---|---|----------------|---|---|---|----------------|---|---|---|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| (U) | Contract Milestone | | | | | | | | | | | | |
| (U) | Complete Block 50 HTS/TGP Capability | | | | * | | | | | | | | |
| (U) | Complete Falcon STAR | | | | | | | | | | | | X |
| (U) | Complete Block 40 MMC/Color Display | | | | * | | | | | | | | |
| (U) | Complete Block 40 Link 16/JHMCS | | | | * | | | | | | | | |
| (U) | Distributed Training Centers | | | | | | | | | | X | | |
| * - Completed Activiy | | | | | | | | | | | | | |
| X - Plan Start/Completion Date | | | | | | | | | | | | | |

UNCLASSIFIED

| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3) | | | | | | | DATE February 2003 | | | |
|---|---|-------------------|-------------------|----------------|-------------------------|---------------------------|-----------------------|----------------|------------------|----------------|
| BUDGET ACTIVITY | | | | | PE NUMBER AND TITLE | | | | PROJECT | |
| 07 - Operational System Development | | | | | 0207133F F-16 SQUADRONS | | | | 2671 | |
| (U) <u>A. Project Cost Breakdown (\$ in Thousands)</u> | | | | | | | | | | |
| | | | | | | <u>FY 2002</u> | | <u>FY 2003</u> | | <u>FY 2004</u> |
| (U) | Link 16 Block 40/50 | | | | | 4,795 | | 0 | | 0 |
| (U) | MMC Block 40 | | | | | 7,850 | | 0 | | 0 |
| (U) | Color Display Block 40 | | | | | 3,230 | | 0 | | 0 |
| (U) | JHMCS Block 40/50 | | | | | 4,188 | | 0 | | 0 |
| (U) | Block 40 AAI Congressional Plus Up | | | | | 0 | | 1,978 | | 0 |
| (U) | Commercial Central Interface Unit | | | | | 0 | | 0 | | 1,963 |
| (U) | OFP Updates (Includes AAI) | | | | | 47,590 | | 49,897 | | 47,415 |
| (U) | Flight Tests DT&E | | | | | 28,172 | | 24,167 | | 32,136 |
| (U) | ALR-56M | | | | | 0 | | 468 | | 497 |
| (U) | Weapons Integration | | | | | 0 | | 468 | | 497 |
| (U) | Block 50 HTS/TGP Capability (Software development, design, test assets) | | | | | 1,228 | | 0 | | 0 |
| (U) | Falcon STAR (Structural analysis and design) | | | | | 6,000 | | 4,661 | | 4,970 |
| (U) | Distributed Training Centers | | | | | 3,982 | | 0 | | 0 |
| (U) | Total | | | | | 107,035 | | 81,639 | | 87,478 |
| (U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u> | | | | | | | | | | |
| (U) <u>Performing Organizations:</u> | | | | | | | | | | |
| <u>Contractor or</u> | <u>Contract</u> | | | | | | | | | |
| <u>Government</u> | <u>Method/Type</u> | <u>Award or</u> | <u>Performing</u> | <u>Project</u> | | | | | | |
| <u>Performing</u> | <u>or Funding</u> | <u>Obligation</u> | <u>Activity</u> | <u>Office</u> | <u>Total Prior</u> | <u>Budget</u> | <u>Budget</u> | <u>Budget</u> | <u>Budget to</u> | <u>Total</u> |
| <u>Activity</u> | <u>Vehicle</u> | <u>Date</u> | <u>EAC</u> | <u>EAC</u> | <u>to FY 2002</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>Complete</u> | <u>Program</u> |
| <u>Product Development Organizations</u> | | | | | | | | | | |
| Link 16 Blk 40 (LM Aero) | SS/CPIF | Apr 98 | 20,281 | 20,281 | 7,252 | 4,795 | 0 | 0 | 0 | 12,047 |
| MMC Blk 40 (LM Aero) | SS/CPIF | Apr 98 | 26,483 | 26,483 | 12,800 | 7,850 | 0 | 0 | 0 | 20,650 |
| CMFDS Blk 40 (LM Aero) | SS/CPIF | Apr 98 | 8,674 | 8,674 | 5,505 | 3,230 | 0 | 0 | 0 | 8,735 |
| JHMCS Blk 40 (LM Aero) | SS/CPIF | Apr 98 | 14,209 | 14,209 | 2,205 | 4,188 | 0 | 0 | 0 | 6,393 |
| OFP Updates (LM Aero) | CPIF/T&M | Dec 95 | | | 153,746 | 47,590 | 49,897 | 47,415 | Continuing | TBD |
| Block 50 HTS/TGP | | | 5,967 | 5,967 | 0 | 1,228 | 0 | 0 | 0 | 1,228 |
| Project 2671 | | | | | | | | | | |
| | | | | | Page 6 of 7 Pages | Exhibit R-3 (PE 0207133F) | | | | |

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| BUDGET ACTIVITY | | | | PE NUMBER AND TITLE | | | | | PROJECT | | |
| 07 - Operational System Development | | | | 0207133F F-16 SQUADRONS | | | | | 2671 | | |
| (U) <u>Performing Organizations Continued:</u> | | | | | | | | | | | |
| <u>Product Development Organizations</u> | | | | | | | | | | | |
| Falcon STAR | FFP | Mar 01 | 17,500 | 17,500 | 0 | 6,000 | 4,661 | 4,970 | 0 | 15,631 | |
| ALE-50 | | | 1,400 | 1,400 | 1,400 | 0 | 0 | 0 | 0 | 1,400 | |
| CCIU | | | 0 | 0 | 0 | 0 | 0 | 1,963 | 0 | 1,963 | |
| ALR-56M | | | 0 | 0 | 0 | 0 | 468 | 497 | 0 | 965 | |
| Weapons Integration | | | 0 | 0 | 0 | 0 | 468 | 497 | 0 | 965 | |
| AAI Block 40 Congressional | | | | | | | 1,978 | | 0 | 1,978 | |
| Plus Up | | | | | | | | | | | |
| <u>Support and Management Organizations</u> | | | | | | | | | | | |
| Radar Eval | | | | | 280 | 0 | 0 | 0 | 0 | 280 | |
| Halon Eval | | | | | 40 | 0 | 0 | 0 | 0 | 40 | |
| <u>Test and Evaluation Organizations</u> | | | | | | | | | | | |
| 600 Gallon Tank | | | | | 2,296 | 0 | 0 | 0 | 0 | 2,296 | |
| Distributed Training Centers | | | | | | 3,982 | | | | 3,982 | |
| Flight Tests | | | | | | 28,172 | 24,167 | 32,136 | Continuing | TBD | |
| | | | | | <u>Total Prior</u> | <u>Budget</u> | <u>Budget</u> | <u>Budget</u> | <u>Budget to</u> | <u>Total</u> | |
| | | | | | <u>to FY 2002</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>Complete</u> | <u>Program</u> | |
| <u>Subtotals</u> | | | | | | | | | | | |
| Rescission | | | | | | | | | | | |
| Subtotal Product Development | | | | | 182,908 | 74,881 | 57,472 | 55,342 | TBD | TBD | |
| Subtotal Support and Management | | | | | 320 | 0 | 0 | 0 | 0 | 320 | |
| Subtotal Test and Evaluation | | | | | 2,296 | 32,154 | 24,167 | 32,136 | TBD | TBD | |
| Total Project | | | | | 185,524 | 107,035 | 81,639 | 87,478 | TBD | TBD | |

Project 2671

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