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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)    |   |                   |                     |                     |   |                     |                     |                     | DATE<br>June 2001   |                     |            |
|--|---|-------------------|---------------------|---------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| BUDGET ACTIVITY<br>07 - Operational System Development |   |                   |                     |                     | PE NUMBER AND TITLE<br>0207134F F-15E SQUADRONS |                     |                     |                     |                     | PROJECT<br>0131     |            |
| COST (\$ in Thousands)                                 |   | FY 2000<br>Actual | FY 2001<br>Estimate | FY 2002<br>Estimate | FY 2003<br>Estimate                             | FY 2004<br>Estimate | FY 2005<br>Estimate | FY 2006<br>Estimate | FY 2007<br>Estimate | Cost to<br>Complete | Total Cost |
| 0131   | Initial Operational Test and Evaluation | 120,868           | 68,228              | 101,439             | 69,036  | 95,085              | 88,617              | 94,198              | 100,733             | Continuing          | TBD        |
|  | Quantity of RDT&E Articles              | 0                 | 0                   | 0                   | 0   | 0                   | 0                   | 0                   | 0                   | 0                   | 0          |

Note: The FY03 - FY07 budget numbers do not reflect DoD's strategic review results.

(U) **A. Mission Description**  
 The F-15E is the most versatile fighter in the world today. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat-ready. The F-15E retains air superiority capability and adds systems, such as Low Altitude Navigation Targeting Infrared for Night (LANTIRN), to meet the requirement for all-weather, deep penetration, and night/under-the-weather, air-to-surface attack. The F-15E's avionics, armament, airframe, and engines must be improved to maintain its superiority against the threat into the next century. The threat includes a new generation of aircraft possessing all-weather detection and kill capabilities. Avionics updates (exploiting proven technological advances) will be incorporated into the F-15E providing expanded capability and supporting an updated and fully integrated electronic warfare suite. This will increase the offensive and defensive capability and survivability of the F-15E. The F-15E PE also funds RDT&E activities for PE 0207130F, F-15A-D.

(U) **FY 2000 (\$ in Thousands)**

|               |  |
|---------------|--|
| (U) \$34,375  | Continue Operational Flight Program (OFP) development efforts.   |
| (U) \$24,865  | Continue flight test of the OFP and flight testing of improvements initiated in prior years.           |
| (U) \$17,907  | Continue development of Advanced Display Core Processor (ADCP) (formerly OFP effort).                  |
| (U) \$15,961  | Continue integration of the Smart Weapons (formerly Programmable Armament Control Set (PACS) upgrade). |
| (U) \$7,091   | Continue developments attributed to Diminishing Manufacturing Sources (DMS) (Obsolete Parts).          |
| (U) \$4,469   | Continue development of the Combat Identification (ID) System.   |
| (U) \$1,968   | Continue integration of the Joint Helmet Mounted Cueing System (JHMCS).                                |
| (U) \$596     | Complete TEWS Intermediate Support System (TISS) Computer Upgrade.                                     |
| (U) \$12,582  | Initiate development of Electronic Counter-countermeasures (ECCM); Congressional add.                  |
| (U) \$1,054   | Complete development of the ALQ-135 Band 1.5.  |
| (U) \$120,868 | Total  |

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|   |  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
|---|--|---------------------------|--------------|-----------------------------------|--------------|--|--------------|--|-------------|---|-------------|--|-------------|---|-------------|------------------------------------|--------------|-------|--------------|-----------------------------------|--------------|---|-------------|---|--------------|---|--------------|--|-----------|------------------------------------|-------------|-----------------------------------|---------------|-------|
| <b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)</b>  |  | DATE<br><b>June 2001</b>  |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| BUDGET ACTIVITY<br><b>07 - Operational System Development</b>   | PE NUMBER AND TITLE<br><b>0207134F F-15E SQUADRONS</b>                                       | PROJECT<br><b>0131</b>    |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| <p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <u>FY 2001 (\$ in Thousands)</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">(U) \$14,545</td> <td>Continue OFP development efforts.</td> </tr> <tr> <td>(U) \$17,772</td> <td>Continue flight test of the OFP and flight testing of improvements initiated in prior years.</td> </tr> <tr> <td>(U) \$17,347</td> <td>Continue integration of the Smart Weapons.</td> </tr> <tr> <td>(U) \$6,000</td> <td>Continue developments attributed to DMS (Obsolete Parts).</td> </tr> <tr> <td>(U) \$7,530</td> <td>Initiate and complete BOL integration into F-15 A-E (per FY 2001 Congressional Add).</td> </tr> <tr> <td>(U) \$1,780</td> <td>Continue development of the Combat ID System.</td> </tr> <tr> <td>(U) \$3,254</td> <td>Continue integration of the JHMCS.</td> </tr> <tr> <td>(U) \$68,228</td> <td>Total</td> </tr> </table> <p>Note: The following net transactions are not reflected in the FY01 program total: BTR = \$+3,162K, ATR = \$+21,618K, and SBIR = \$-1,915K. These transactions are not reflected in other sections of the RDOCS where an FY01 total is shown.</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">(U) \$33,293</td> <td>Continue OFP development efforts.</td> </tr> <tr> <td>(U) \$20,524</td> <td>Continue flight testing of improvements initiated in prior years.</td> </tr> <tr> <td>(U) \$7,360</td> <td>Continue developments attributed to DMS (Obsolete Parts).</td> </tr> <tr> <td>(U) \$26,308</td> <td>Continue development of Advanced Display Core Processor (ADCP) (formerly OFP effort).</td> </tr> <tr> <td>(U) \$12,260</td> <td>Continue integration of the Smart Weapons.</td> </tr> <tr> <td>(U) \$500</td> <td>Complete integration of the JHMCS.</td> </tr> <tr> <td>(U) \$1,194</td> <td>Complete development of the ECCM.</td> </tr> <tr> <td>(U) \$101,439</td> <td>Total</td> </tr> </table> <p>.</p> <p>(U) <b><u>B. Budget Activity Justification</u></b></p> <p>The F-15E, which received contract award approval in FY84, is an operational aircraft and therefore the development activities in the Program Element are included in Budget Activity 7, Operational Systems Development.</p> |  |                           | (U) \$14,545 | Continue OFP development efforts. | (U) \$17,772 | Continue flight test of the OFP and flight testing of improvements initiated in prior years. | (U) \$17,347 | Continue integration of the Smart Weapons. | (U) \$6,000 | Continue developments attributed to DMS (Obsolete Parts). | (U) \$7,530 | Initiate and complete BOL integration into F-15 A-E (per FY 2001 Congressional Add). | (U) \$1,780 | Continue development of the Combat ID System. | (U) \$3,254 | Continue integration of the JHMCS. | (U) \$68,228 | Total | (U) \$33,293 | Continue OFP development efforts. | (U) \$20,524 | Continue flight testing of improvements initiated in prior years. | (U) \$7,360 | Continue developments attributed to DMS (Obsolete Parts). | (U) \$26,308 | Continue development of Advanced Display Core Processor (ADCP) (formerly OFP effort). | (U) \$12,260 | Continue integration of the Smart Weapons. | (U) \$500 | Complete integration of the JHMCS. | (U) \$1,194 | Complete development of the ECCM. | (U) \$101,439 | Total |
| (U) \$14,545  | Continue OFP development efforts.  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$17,772  | Continue flight test of the OFP and flight testing of improvements initiated in prior years. |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$17,347  | Continue integration of the Smart Weapons.   |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$6,000   | Continue developments attributed to DMS (Obsolete Parts).                                    |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$7,530   | Initiate and complete BOL integration into F-15 A-E (per FY 2001 Congressional Add).         |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$1,780   | Continue development of the Combat ID System.  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$3,254   | Continue integration of the JHMCS.   |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$68,228  | Total  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$33,293  | Continue OFP development efforts.  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$20,524  | Continue flight testing of improvements initiated in prior years.                            |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$7,360   | Continue developments attributed to DMS (Obsolete Parts).                                    |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$26,308  | Continue development of Advanced Display Core Processor (ADCP) (formerly OFP effort).        |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$12,260  | Continue integration of the Smart Weapons.   |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$500   | Complete integration of the JHMCS.   |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$1,194   | Complete development of the ECCM.  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| (U) \$101,439   | Total  |                           |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |
| Project 0131  | Page 2 of 7 Pages  | Exhibit R-2 (PE 0207134F) |              |                                   |              |  |              |  |             |   |             |  |             |   |             |                                    |              |       |              |                                   |              |   |             |   |              |   |              |  |           |                                    |             |                                   |               |       |

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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)   |                                 |                |                | DATE              |
|---|---------------------------------|----------------|----------------|-------------------|
|   |                                 |                |                | June 2001         |
| BUDGET ACTIVITY   | PE NUMBER AND TITLE             |                |                | PROJECT           |
| <b>07 - Operational System Development</b>  | <b>0207134F F-15E SQUADRONS</b> |                |                | <b>0131</b>       |
| <b>(U) C. Program Change Summary (\$ in Thousands)</b>  |                                 |                |                |                   |
|   | <u>FY 2000</u>                  | <u>FY 2001</u> | <u>FY 2002</u> | <u>Total Cost</u> |
| (U) Previous President's Budget (FY 2001 PBR)   | 126,172                         | 61,260         | 100,865        | TBD               |
| (U) Appropriated Value  | 127,670                         | 68,860         |                |                   |
| (U) Adjustments to Appropriated Value   |                                 |                |                |                   |
| a. Congressional/General Reductions   | -805                            | -482           |                |                   |
| b. Small Business Innovative Research   | -3,645                          |                |                |                   |
| c. Omnibus or Other Above Threshold Reprogram   |                                 |                |                |                   |
| d. Below Threshold Reprogram  | -1,853                          |                |                |                   |
| e. Rescissions  | -499                            | -150           |                |                   |
| (U) Adjustments to Budget Years Since FY 2001 PBR   |                                 |                | 574            |                   |
| (U) Current Budget Submit/FY 2002 PBR   | 120,868                         | 68,228         | 101,439        | TBD               |
| <b>(U) Significant Program Changes:</b>   |                                 |                |                |                   |
| Funding (FY00):   |                                 |                |                |                   |
| <p>OFP development \$34,375 - Realigned funds from OFP budget to the F-15 Flight Test budget to fund OFP flight tests. In addition, \$1,194 realigned from ECCM to OFP to partially fund ECCM software productionization.</p> <p>Flight Test \$24,865 - Realigned funds from OFP budget, Air Data Processor (ADP), and various other projects to Flight Test budget to fund testing.</p> <p>Electronic Counter-countermeasures (ECCM) \$13,776 - Congressional add; FY00 funding for three (3) year Study Phase and EMD effort.</p> |                                 |                |                |                   |
| Funding (FY01):   |                                 |                |                |                   |
| <p>OFP development \$14,545 - Realigned funds from OFP budget to the F-15 Flight Test budget to fund OFP flight tests.</p> <p>Flight Test \$17,772 - Realigned funds from OFP budget to fund OFP flight tests.</p> <p>BOL Integration \$7,530 - FY01 Congressional add to fund F-15 R &amp; D tasks.</p> <p>ADCP \$21,618 - FY01 Congressionally approved reprogramming from 3010, BP10 to 3600. This action is pending in ABIDES.</p>  |                                 |                |                |                   |

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|---|----------------|-----------------|-----------------|-----------------|-----------------|---------------------------------|-----------------|-----------------|------------------|-------------------|
| <b>07 - Operational System Development</b>  |                |                 |                 |                 |                 |                                 |                 |                 | <b>June 2001</b> |                   |
| BUDGET ACTIVITY   |                |                 |                 |                 |                 | PE NUMBER AND TITLE             |                 | PROJECT         |                  |                   |
| <b>07 - Operational System Development</b>  |                |                 |                 |                 |                 | <b>0207134F F-15E SQUADRONS</b> |                 | <b>0131</b>     |                  |                   |
| <b>(U) D. Other Program Funding Summary (\$ in Thousands)</b>   |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
|   | <u>FY 2000</u> | <u>FY 2001</u>  | <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>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) AF RDT&E  |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
| (U) Other APPN  |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
| (U) Aircraft Procurement<br>(3010F), Line Item 5, F-15E<br>(PE27134F) [BP 10]   | 294,751        | 396,175         |                 |                 |                 |                                 |                 |                 |                  | 690,926           |
| (U) Aircraft Procurement<br>(3010F), Line Item 27,<br>F-15A-E (PEs 27130F and<br>27134F) [BP 11]  | 304,227        | 319,252         | 211,649         | 249,197         | 244,398         | 137,805                         | 97,559          | 54,831          | Continuing       | TBD               |
| (U) Aircraft Procurement<br>(3010F), Line Item 27, F-15<br>(PE27442F) [IDECM]   |                |                 |                 |                 |                 |                                 | 22,873          | 23,358          | Continuing       | TBD               |
| (U) Aircraft Procurement (3010F)<br>F-15E (PE84731F) General<br>Skills Training [BP11]  |                |                 |                 | 1,282           |                 |                                 |                 |                 |                  | 1,282             |
| (U) Aircraft Procurement (3010F)<br>F-15E (PE89731F) Training<br>Support to Units [BP11]  |                |                 | 511             |                 |                 |                                 | 2,219           | 1,354           | Continuing       | TBD               |
| (U) Aircraft Procurement<br>(3010F), Line Item 66,<br>F-15A-E [BP 13]   | 7,119          | 7,200           | 7,409           | 7,630           | 7,854           | 8,034                           | 8,388           | 8,559           | Continuing       | TBD               |
| <b>(U) E. Acquisition Strategy</b>  |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
| Program is a continuation of effort which includes the development of all F-15 models. Funds are executed organically in support of equipment improvement, study, analysis, and test. |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
| <b>(U) F. Schedule Profile</b>  |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |
|   |                |                 |                 | <u>FY 2000</u>  |                 |                                 | <u>FY 2001</u>  |                 | <u>FY 2002</u>   |                   |
| Project 0131  |                |                 |                 |                 |                 |                                 |                 |                 |                  |                   |

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| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) |   |                |   |   |                                 |   |                |   |   | DATE<br>June 2001 |   |                |  |  |
|---|---|----------------|---|---|---------------------------------|---|----------------|---|---|-------------------|---|----------------|--|--|
| BUDGET ACTIVITY                                     |   |                |   |   | PE NUMBER AND TITLE             |   |                |   |   | PROJECT           |   |                |  |  |
| <b>07 - Operational System Development</b>          |   |                |   |   | <b>0207134F F-15E SQUADRONS</b> |   |                |   |   | <b>0131</b>       |   |                |  |  |
| <b>(U) F. Schedule Profile Continued</b>            |   |                |   |   |                                 |   |                |   |   |                   |   |                |  |  |
|   |   | <u>FY 2000</u> |   |   |                                 |   | <u>FY 2001</u> |   |   |                   |   | <u>FY 2002</u> |  |  |
|   | 1 | 2              | 3 | 4 | 1                               | 2 | 3              | 4 | 1 | 2                 | 3 | 4              |  |  |
| (U) Smart Weapons DT&E start                        |   |                |   |   |                                 |   |                | X |   |                   |   |                |  |  |
| (U) Smart Weapons DT&E complete                     |   |                |   |   |                                 |   |                |   |   | X                 |   |                |  |  |
| (U) OFP Suite 4 complete                            |   |                |   |   |                                 |   |                |   | X |                   |   |                |  |  |
| (U) OFP Suite 5 Phase I complete                    |   |                |   |   |                                 |   |                |   |   | X                 |   |                |  |  |
| (U) OFP Suite 5 Phase II start                      |   |                |   |   |                                 |   |                |   |   |                   | X |                |  |  |
| (U) ADCP COSSI tasks complete                       |   |                |   |   |                                 |   |                |   | X |                   |   |                |  |  |
| (U) ADCP EMD start                                  |   | *              |   |   |                                 |   |                |   |   |                   |   |                |  |  |
| (U) APG-63(V)1 IOT&E complete                       |   | *              |   |   |                                 |   |                |   |   |                   |   |                |  |  |
| (U) APG-63(V)1 FOT&E flight test complete           |   |                |   |   |                                 |   |                |   | X |                   |   |                |  |  |
| (U) Link-16 flight test complete                    |   |                |   |   | *                               |   |                |   |   |                   |   |                |  |  |
| (U) ALQ-135, Band 1.5 OT/ DT complete               |   |                |   |   |                                 |   |                |   |   |                   |   |                |  |  |
| (U) TISS Computer Upgrade EMD complete              |   |                |   |   |                                 |   |                | * |   |                   |   |                |  |  |
| (U) Air Data Processor EMD complete                 |   |                |   |   |                                 |   |                | X |   |                   |   |                |  |  |
| (U) JHMCS OT&E complete                             |   |                |   |   |                                 |   |                |   | X |                   |   |                |  |  |
| (U) ECCM EMD start                                  |   |                |   |   |                                 |   |                |   |   |                   |   |                |  |  |
| (U) ECCM EMD complete                               |   |                |   |   |                                 |   |                |   |   |                   |   | X              |  |  |
| (U) Initiate BOL Dispenser integration              |   |                |   |   |                                 |   |                |   |   |                   |   | *              |  |  |
| * - Completed Activity                              |   |                |   |   |                                 |   |                |   |   |                   |   |                |  |  |
| X - Planned Start/Completion Date                   |   |                |   |   |                                 |   |                |   |   |                   |   |                |  |  |

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| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)                                  |                                       |                            |                            |                       |   |                       | DATE<br>June 2001     |                       |                           |                      |
|---|---------------------------------------|----------------------------|----------------------------|-----------------------|---|-----------------------|-----------------------|-----------------------|---------------------------|----------------------|
| BUDGET ACTIVITY<br>07 - Operational System Development                              |                                       |                            |                            |                       | PE NUMBER AND TITLE<br>0207134F F-15E SQUADRONS |                       |                       | PROJECT<br>0131       |                           |                      |
| <b>(U) A. Project Cost Breakdown (\$ in Thousands)</b>                              |                                       |                            |                            |                       |   |                       |                       |                       |                           |                      |
|   |                                       |                            |                            |                       |   | <u>FY 2000</u>        | <u>FY 2001</u>        |                       |                           | <u>FY 2002</u>       |
| (U)   | OFP                                   |                            |                            |                       |   | 34,375                | 14,545                |                       |                           | 33,293               |
| (U)   | Flight Test                           |                            |                            |                       |   | 24,865                | 17,772                |                       |                           | 20,524               |
| (U)   | Advance Display Core Processor (ADCP) |                            |                            |                       |   | 17,907                | 0                     |                       |                           | 26,308               |
| (U)   | Smart Weapons                         |                            |                            |                       |   | 15,961                | 17,347                |                       |                           | 12,260               |
| (U)   | DMS (Parts Obsolescence)              |                            |                            |                       |   | 7,091                 | 6,000                 |                       |                           | 7,360                |
| (U)   | Combat ID                             |                            |                            |                       |   | 4,469                 | 1,780                 |                       |                           | 0                    |
| (U)   | Joint Helmet Mounted Cueing System    |                            |                            |                       |   | 1,968                 | 3,254                 |                       |                           | 500                  |
| (U)   | TISS Computer Upgrade                 |                            |                            |                       |   | 596                   | 0                     |                       |                           | 0                    |
| (U)   | ECCM                                  |                            |                            |                       |   | 12,582                | 0                     |                       |                           | 1,194                |
| (U)   | BOL Dispenser                         |                            |                            |                       |   | 0                     | 7,530                 |                       |                           | 0                    |
| (U)   | ALQ-135 Band 1.5                      |                            |                            |                       |   | 1,054                 | 0                     |                       |                           | 0                    |
| (U)   | Total                                 |                            |                            |                       |   | 120,868               | 68,228                |                       |                           | 101,439              |
| <b>(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)</b> |                                       |                            |                            |                       |   |                       |                       |                       |                           |                      |
| <b>(U) Performing Organizations:</b>  |                                       |                            |                            |                       |   |                       |                       |                       |                           |                      |
| <u>Contractor or Government</u>   | <u>Contract Method/Type</u>           | <u>Award or Obligation</u> | <u>Performing Activity</u> | <u>Project Office</u> | <u>Total Prior to FY 2000</u>                   | <u>Budget FY 2000</u> | <u>Budget FY 2001</u> | <u>Budget FY 2002</u> | <u>Budget to Complete</u> | <u>Total Program</u> |
|   | <u>or Funding Vehicle</u>             | <u>Date</u>                | <u>EAC</u>                 | <u>EAC</u>            |   |                       |                       |                       |                           |                      |
| <u>Product Development Organizations</u>  |                                       |                            |                            |                       |   |                       |                       |                       |                           |                      |
| P&W (-229 Eng)  | CPAF                                  | Sep 94                     | 6,520                      | 6,520                 | 6,520   | 0                     | 0                     | 0                     | 0                         | 6,520                |
| GE (-129 Eng)   | CPAF                                  | Feb 95                     | 7,130                      | 7,130                 | 7,130   | 0                     | 0                     | 0                     | 0                         | 7,130                |
| Boeing (GFE/GFP)  | FFP                                   | Dec 93                     | 1,975                      | 1,975                 | 1,975   | 0                     | 0                     | 0                     | 0                         | 1,975                |
| OFP Suite 4/5/6 Development   | CPAF                                  | May 98                     | 339,808                    | 339,808               | 148,297   | 34,375                | 14,545                | 33,293                | Continuing                | TBD                  |
| Boeing APG63 (Feasibility Study)  | CPFF                                  | Feb 94                     | 778                        | 778                   | 778   | 0                     | 0                     | 0                     | 0                         | 778                  |
| (Risk Reduction)  | CPFF                                  | Feb 94                     | 9,892                      | 9,892                 | 9,892   | 0                     | 0                     | 0                     | 0                         | 9,892                |
| (EMD)   | CPAF                                  | Sep 94                     | 223,033                    | 223,033               | 223,033   | 0                     | 0                     | 0                     | 0                         | 223,033              |

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| RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3) |          |        |         |                                 |                    |                |                | DATE<br>June 2001 |                  |                |
|--|----------|--------|---------|---------------------------------|--------------------|----------------|----------------|-------------------|------------------|----------------|
| BUDGET ACTIVITY                                    |          |        |         | PE NUMBER AND TITLE             |                    |                |                | PROJECT           |                  |                |
| <b>07 - Operational System Development</b>         |          |        |         | <b>0207134F F-15E SQUADRONS</b> |                    |                |                | <b>0131</b>       |                  |                |
| <b>(U) Performing Organizations Continued:</b>     |          |        |         |                                 |                    |                |                |                   |                  |                |
| <u>Product Development Organizations</u>           |          |        |         |                                 |                    |                |                |                   |                  |                |
| Boeing (JHMCS A-D)                                 | CPAF     |        | 11,358  | 11,358                          | 9,483              | 1,968          | 3,254          | 500               | 0                | 15,205         |
| PACS Upgrade                                       | CPAF     | May 95 | 28,343  | 28,343                          | 28,343             | 0              | 0              | 0                 | 0                | 28,343         |
| Wright Lab (DMS)                                   | MIPR/PRs | Sep 94 | 81,348  | 81,348                          | 29,006             | 7,091          | 6,000          | 7,360             | Continuing       | TBD            |
| Smart Weapons Integration                          | CPAF     | Feb 99 | 51,607  | 51,607                          | 3,507              | 15,961         | 17,347         | 12,260            | Continuing       | TBD            |
| ADP(E)   | CPAF     | Jan 99 | 4,356   | 4,356                           | 2,846              | 0              | 0              | 0                 | 0                | 2,846          |
| ADCP(E)  | CPAF     | Jan 00 | 108,522 | 108,522                         | 0                  | 17,907         | 0              | 26,308            | Continuing       | TBD            |
| NGA (ALQ-135 Band 1.5)                             | FFP      | May 97 | 39,384  | 39,384                          | 35,440             | 1,054          | 0              | 0                 | 0                | 36,494         |
| Link-16 Data Link                                  | CPAF     | Apr 98 | 19,400  | 19,400                          | 19,400             | 0              | 0              | 0                 | 0                | 19,400         |
| Combat ID  | CPAF     | May 98 | 14,109  | 14,109                          | 1,790              | 4,469          | 1,780          | 0                 | Continuing       | TBD            |
| TISS Replacement                                   | CPFF     | Aug 97 | 4,896   | 4,896                           | 3,560              | 596            | 0              | 0                 | 0                | 4,156          |
| Boeing/Raytheon ECCM                               | CPAF     | Jan 00 | 15,000  | 15,000                          | 0                  | 12,582         | 0              | 1,194             | 0                | 13,776         |
| BOL Dispenser                                      | CPFF     | Jun 01 | 7,118   | 7,118                           | 0                  | 0              | 7,530          | 0                 | 0                | 7,530          |
| <u>Support and Management Organizations</u>        |          |        |         |                                 |                    |                |                |                   |                  |                |
| (Msn Spt) Misc.                                    |          |        |         |                                 | 16,708             | 0              | 0              |                   | 0                | 16,708         |
| <u>Test and Evaluation Organizations</u>           |          |        |         |                                 |                    |                |                |                   |                  |                |
| Boeing (Flt Test)                                  | FFP      | Oct 96 | 123,434 | 123,434                         | 51,815             | 12,238         | 9,465          | 12,524            | Continuing       | TBD            |
| Edwards  | PO       | Oct 96 | 91,048  | 91,048                          | 41,562             | 11,183         | 8,015          | 7,000             | Continuing       | TBD            |
| Eglin (Flt Test)                                   | PO       | Oct 96 | 21,667  | 21,667                          | 12,210             | 1,444          | 292            | 1,000             | 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 2000</u>  | <u>FY 2000</u> | <u>FY 2001</u> | <u>FY 2002</u>    | <u>Complete</u>  | <u>Program</u> |
| <u>Subtotals</u>                                   |          |        |         |                                 |                    |                |                |                   |                  |                |
| Subtotal Product Development                       |          |        |         |                                 | 531,000            | 96,003         | 50,456         | 80,915            | TBD              | TBD            |
| Subtotal Support and Management                    |          |        |         |                                 | 16,708             | 0              | 0              |                   | 0                | 16,708         |
| Subtotal Test and Evaluation                       |          |        |         |                                 | 105,587            | 24,865         | 17,772         | 20,524            | TBD              | TBD            |
| Total Project                                      |          |        |         |                                 | 653,295            | 120,868        | 68,228         | 101,439           | TBD              | TBD            |