

UNCLASSIFIED

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| <b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b> | DATE<br><b>February 2000</b> |
|---|------------------------------|

|   |   |                               |
|---|---|-------------------------------|
| <b>BUDGET ACTIVITY</b><br><b>7 - Operational System Development</b> | <b>PE NUMBER AND TITLE</b><br><b>0305114A Joint Precision Approach Landing System (JPALS)</b> | <b>PROJECT</b><br><b>D711</b> |
|---|---|-------------------------------|

| COST (In Thousands)                                  | FY 1999 Actual | FY 2000 Estimate | FY 2001 Estimate | FY 2002 Estimate | FY 2003 Estimate | FY 2004 Estimate | FY 2005 Estimate | Cost to Complete | Total Cost |
|--|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| D711 Joint Precision Approach Landing System (JPALS) | 0              | 0                | 783              | 781              | 975              | 973              | 1942             | Continuing       | Continuing |

**A. Mission Description and Budget Item Justification:** The Joint Precision Approach Landing System (JPALS) is a precision approach and landing system providing joint operational capability for U.S. forces assigned to conventional and special operations missions including those operating from fixed base, ship, tactical and austere environments. Effort develops the methodology to incorporate JPALS into aircraft while considering aircraft environment, electrical power, system space, weight, antenna placement and electromagnetic compatibility without nullifying low observable capability requirements. Project in this Program Element supports research efforts in the Architecture and Requirements Definition phase of the modified acquisition life cycle approved by the Defense Acquisition Executive in September of 1998.

**FY 1999 Planned Program:** Project not Army funded in FY 1999, Air Force funded.

**FY 2000 Planned Program:** Project not Army funded in FY 2000, Air Force funded.

**FY 2001 Planned Program:**

- 783 Support the joint effort by providing system engineering, logistics and technical documentation for JPALS Development effort.
- Total 783

| <b>B. <u>Program Change Summary</u></b>           | <u>FY 1999</u> | <u>FY 2000</u> | <u>FY 2001</u> |
|---|----------------|----------------|----------------|
| Previous President's Budget (FY 2000/2001 PB)     | 0              | 0              | 788            |
| Appropriated Value                                |                |                |                |
| Adjustments to Appropriated Value                 |                |                |                |
| a. Congressional General Reductions               |                |                |                |
| b. SBIR / STTR                                    |                |                |                |
| c. Omnibus or Other Above Threshold Reductions    |                |                |                |
| d. Below Threshold Reprogramming                  |                |                |                |
| e. Rescissions                                    |                |                |                |
| Adjustments to Budget Years Since FY 2000/2001 PB |                |                | -5             |
| Current Budget Submit (FY 2001 PB)                | 0              | 0              | 783            |

**C. Other Program Funding Summary:** JPALS is a joint program with the Air Force (lead service) funding FY99/00: PE 0603860F, Project 644652.

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BUDGET ACTIVITY  
**7 - Operational System Development**

PE NUMBER AND TITLE  
**0305114A Joint Precision Approach Landing System (JPALS)**

PROJECT  
**D711**

**D. Acquisition Strategy:** The acquisition strategy is to support the joint research and development effort leading to production of a joint system

| <b>E. Schedule Profile</b> | <u>FY 1997</u> | <u>FY 1998</u> | <u>FY 1999</u> | <u>FY 2000</u> | <u>FY 2001</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>FY 2004</u> | <u>FY 2005</u> |
|----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Supports JPALS efforts     |                |                |                |                | 1Q-4Q          | 1Q-4Q          | 1Q-4Q          | 1Q-4Q          | 1Q-4Q          |