

UNCLASSIFIED

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| ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit) | DATE February 1999 |
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| BUDGET ACTIVITY 7 - Operational System Development | PE NUMBER AND TITLE 0305114A Joint Precision Approach Landing System (JPALS) | PROJECT D711 |
|---|---|-------------------------------|

| COST <i>(In Thousands)</i> | FY1998 Actual | FY 1999 Estimate | FY 2000 Estimate | FY 2001 Estimate | FY 2002 Estimate | FY 2003 Estimate | FY2004 Estimate | FY2005 Estimate | Cost to Complete | Total Cost |
|--|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|------------|
| D711 Joint Precision Approach Landing System (JPALS) | 610 | 0 | 0 | 788 | 787 | 984 | 983 | 1962 | 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 operation missions operating from fixed base, ship, tactical and austere environments. The effort will develop 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. The project in this Program Element supports research efforts in the engineering and manufacturing development phase of the acquisition strategy.

FY 1998 Accomplishments:

- 610 Supported JPALS research and development efforts.
- Total 610

FY 1999 Planned Program: Project not funded in FY 1999

FY 2000 Planned Program: Project not funded in FY 2000

FY 2001 Planned Program:

- 788 Support JPALS research and development efforts.
- Total 788

| B. Program Change Summary | <u>FY 1998</u> | <u>FY 1999</u> | <u>FY 2000</u> | <u>FY 2001</u> |
|---|----------------|----------------|----------------|----------------|
| FY99 President's Budget (Feb 98) | 728 | 0 | 0 | 0 |
| Appropriated Value | 750 | | | |
| Adjustments to Appropriated Value | | | | |
| a. Congressional General Reductions | -22 | | | |
| b. SBIR / STTR | -18 | | | |
| c. Omnibus or Other Above Threshold Reductions | -6 | | | |
| d. Below Threshold Reprogramming | -94 | | | |
| e. Rescissions | | | | |
| Adjustments to Budget Years Since <u>FY 1999</u> PB | | | | +788 |
| Current Budget Submit (<u>FY 2000 / 2001</u> PB) | 610 | 0 | 0 | 788 |

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| ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit) | | | | | | | DATE February 1999 | | | | |
| BUDGET ACTIVITY 7 - Operational System Development | | | | PE NUMBER AND TITLE 0305114A Joint Precision Approach Landing System (JPALS) | | | | PROJECT D711 | | | |
| Change Summary Explanation: FY 2001 funds increased to support JPALS research and development efforts. | | | | | | | | | | | |
| C. <u>Other Program Funding Summary:</u> Not applicable | | | | | | | | | | | |
| D. <u>Acquisition Strategy:</u> The acquisition strategy is to support the joint research and development project leading to production of a joint system. | | | | | | | | | | | |
| E. <u>Schedule Profile</u> | <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 2004</u> | <u>FY 2005</u> | |
| Support JPALS efforts | | 4Q | | | 4Q | | | | | | |
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| Project D711 | | | <i>Page 2 of 2 Pages</i> | | | | Exhibit R-2 (PE 0305114A) | | | | |