

UNCLASSIFIED

EXHIBIT R-2, FY 2000 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: February 1999

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603860N

PROGRAM ELEMENT TITLE: Joint Precision Approach and Landing System

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1998 Budget</u>	<u>FY 1999 Budget</u>	<u>FY 2000 Estimate</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
W2329 Joint Precision Approach & Landing System (JPALS)										
TOTAL	2,825	0	0	0	0	0	0	0	CONT.	CONT.

Quantity of RDT&E Articles

(U) A. **MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:** This program is funded under PROGRAM DEFINITION & RISK REDUCTION (DemVal) because it encompasses risk reduction of new end-items prior to the next milestone decision. This program element provides for the engineering definition, integration, adaptation and risk reduction testing of new and/or modernized precision air traffic control and landing aids. The Joint Precision Approach and Landing System (JPALS) hardware and software are required to provide improved flight safety and more reliable all-weather landing capabilities ashore and afloat. Funded programs are required to upgrade or replace aging landing equipment on aircraft, aircraft carriers, amphibious ships, Naval Air Stations, and Navy/Marine Corps tactical/expeditionary airfields and remote landing sites. Development of the JPALS hardware is required for Navy unique ship, shore and avoinics applications.

(U) **PROGRAM ACCOMPLISHMENTS AND PLANS:**

1. **FY 1998 ACCOMPLISHMENTS:**

- (U) (\$2,380) Provided engineering support, system development, and test and evaluation for JPALS.
- (U) (\$445) Provided JPALS aircraft integration/A-kit development.

2. **FY 1999 PLAN:** Not applicable.

3. **FY 2000 PLAN:** Not applicable.

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EXHIBIT R-2a, FY 2000 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 1999

BUDGET ACTIVITY: 4

PROGRAM ELEMENT: 0603860N
PROGRAM ELEMENT TITLE: JPALS

PROJECT NUMBER: W2329
PROJECT TITLE: JPALS

(U) B. PROGRAM CHANGE SUMMARY

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>
(U) FY 1999 President's Budget:	2,894	0	0
(U) Appropriated Value:	2,993	0	
(U) Adjustments from President's Budget:	-69	0	0
(U) FY 2000 President's Budget Submit:	2,825	0	0

CHANGE SUMMARY EXPLANATION:

(U) Funding: FY 1998 decrease of \$69 thousand consists of a \$33 thousand reprogramming for other higher priority Navy priorities, a \$33 thousand economic adjustment, and a \$3 thousand adjustment for the Small Business Innovation Research (SBIR) assessment.

(U) Schedule: Not Applicable.

(U) Technical: Not applicable

(U) C. OTHER PROGRAM FUNDING SUMMARY

Related RDT&E

(U) P.E. 0603860F (Joint Precision Approach and Landing System)
0305114A (Joint Precision Approach and Landing System)
0305114F (Joint Precision Approach and Landing System)
0305114N (Joint Precision Approach and Landing System)
0603512N (Carrier Systems Development)
0604504N (Air Control)
0604512N (Shipboard Aviation Systems)

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PROGRAM ELEMENT TITLE: JPALS**

**PROJECT NUMBER: W2329
PROJECT TITLE: JPALS**

(U) D. ACQUISITION STRATEGY: Not applicable.

(U) E. SCHEDULE PROFILE

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>To Complete</u>
(U) Program Milestones	SAMP 4Q 98 Initial ORD 4Q98			
(U) Engineering Milestones	SEMP 4Q98			
(U) T&E Milestones	Initial TEMP 4Q98			
(U) Contract Milestones	SRGPS Awd. 4Q98			

Glossary of Abbreviations:

SAMP = Single Acquisition Management Plan

ORD = Operational Requirements Document

SEMP = Systems Engineering Management Plan

TEMP = Test and Evaluation Management Plan

SRGPS = Shipboard Relative Global Positioning System

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