

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

February 2002

BUDGET ACTIVITY 5 - Engineering and manufacturing development	PE NUMBER AND TITLE 0604739A - Integrated Broadcast Service						PROJECT 702		
COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
702 CIBS-M (TIARA)	6005	0	0	0	0	0	0	0	14729

A. Mission Description and Budget Item Justification: The Integrated Broadcast Service (IBS) is the worldwide, DoD standard network for transmitting tactical and strategic intelligence and targeting data within a common format which will migrate to a single family of Joint Tactical Terminals (JTT) for improved operational jointness. The Common Integrated Broadcast Service - Modules (CIBS-M) is a totally integrated Joint Program (all services and Special Operations Command (SOCOM)) which was created to consolidate and replace existing IBS receiver functionality/capability, inherent with the duplicative existing systems, with a "common family" of IBS modules (both hardware and software). This is required to implement the IBS Plan and consolidate/eliminate duplication of effort previously spread across multiple PEs/SSNs DoD wide. The JTT program leverages to the maximum extent possible, early tech base efforts initiated by the National Reconnaissance Office (NRO). These efforts will continually increase the reliability of the JTT/CIBS-M while reducing the size of the JTT family of terminals. For those efforts which show promise, the management control will transition to the JTT Joint Program Office (JPO). The CIBS-M family of modules will be the "sole" provider of modules ensuring continued IBS interoperability to a variety of tactical receivers across DoD and the services. This program funds the design, development, test and evaluation of initial CIBS hardware and software modules, as well as implementing performance expanding modifications to the family of JTT equipment, to train, equip and support the warfighter resulting with improved Joint Readiness and Interoperability.

FY 2001 Accomplishments:

- 2103 IBS Common Message Format (CMP) and Crypto Implementation
- 554 JTT Control Client (JCC) Enhancements and Defense Information infrastructure Common Operating Environment (DII COE) from level 5 to level 7 compliance for the JCC and DITSCAP Certification in support of Block 2.5
- 392 Space Warfare Center Support for Validation and Throughput Testing of JTT.
- 923 Preparation and Coordination in support of Initial Operational Test & Evaluation.
- 651 Development/Technical Testing (to include Reliability Growth).
- 713 Host Platform Integration Support for Other Services.
- 669 Computer Based Operational Trainer (CBOT), Modeling and Simulation in support of Operational Training.

Total 6005

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FY 2002 Planned Program

Continuation of this program is funded under Program Element 0603850A, Project 472.

FY 2003 Planned Program

Continuation of this program is funded under Program Element 0603850A, Project 472.

<u>B. Program Change Summary</u>	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	6005	0	0
Appropriated Value	6060	0	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	0	0
b. SBIR / STTR	0	0	0
c. Omnibus or Other Above Threshold Reduction	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	-55	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	0
Current Budget Submit (FY 2003 PB)	12010	0	0

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<u>C. Other Program Funding Summary</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>To Compl</u>	<u>Total Cost</u>
V29600 JTT/CIBS-M (Tiara)	6509	18700	4824	9477	6133	10519	0	0	79970
PE 0603850A, Project 472	0	1968	1962	1948	1935	0	0	0	7813

D. Acquisition Strategy: The CIBS-M family of modules will be the sole provider of IBS Modules to a variety of IBS receivers across all DOD component agencies. The JTT/CIBS-M acquisition strategy has taken advantage of early streamlining initiatives and has addressed reducing O&S costs under the umbrella of Total Ownership Cost Reduction (TOCR) efforts. The Joint Program will competitively develop hardware and software modules and procure the required modules for integration into host receiver systems such as the JTRS in order to be compliant with the Army objective force. A competitive FFP contract was awarded in FY98 consisting of 9 option awards for JTT and CIBS-M which includes a 10 year warranty. The current acquisition strategy is further addressed under Program Element 0603850A, Project 472.

<u>E. Schedule Profile</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>
Host Platform Integration Support for Other Services	1-4Q						