

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

June 2001

BUDGET ACTIVITY
4 - DEM/VAL

PE NUMBER AND TITLE
**0603850A - Integrated Broadcast Service
(JMIP/DISTP)**

PROJECT
472

COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
472 INTEGRATED BROADCAST SERVICE (JMIP/DISTP)	0	0	1985	0	0	0	0	0	0	0

A. Mission Description and Budget Item Justification:

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

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 Joint Tactical Terminal (JTT) program leverages, to the maximum extent possible, early tech-based efforts initiated by the National Reconnaissance Office (NRO). For those efforts which show promise, the management control will transition to the JTT 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 Joint Tactical Terminal (JTT) equipment, to train, equip and support the warfighter resulting with improved Joint Readiness and Interoperability. The JTT is a terminal that will be hosted on approximately 40 platform variations across all military services and other Government agencies. This terminal serves as a node that captures and disseminates encrypted intelligence broadcast to commanders in a network centric environment.

This system supports the legacy path of the Transformation Campaign Plan (TCP).

FY 2000 Accomplishments

FY 2000 program is funded under Program Element 0604739A, Project 702.

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FY 2001 Planned Program

FY 2001 program is funded under Program Element 0604739A, Project 702.

FY 2002 Planned Program

- 800 IBS Format Implementation [Tactical Data Information Link, Version J (TADIL-J), JCC, DIICOE, DITSCAP (Block 3.0/follow-on software builds), DAMA and VMF Translator].
- 225 Multi-Service Operational Test & Evaluation (MOT&E) Test Support for transmit mode and other functionality.
- 675 IBS Waveform Development.
- 285 CORNFIELD Algorithm Development for IBS Migration.

Total 1985

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY 2001 PB)	0	0	0	0
Appropriated Value	0	0	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR / STTR	0	0	0	0
c. Omnibus or Other Above Threshold Reduction	0	0	0	0
d. Below Threshold Reprogramming	0	0	0	0
e. Rescissions	0	0	0	0
Adjustments to Budget Years Since FY 2001 PB	0	0	1985	0
Current Budget Submit (FY 2002/2003 PB)	0	0	1985	0

Funds in FY 2002 and FY 2003 were transferred from Program Element 0604739A, Project 702 for continuation of that effort.

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C. Other Program Funding Summary	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
V29600 JTT/CIBS-M (Tiara)	23808	26508	10345	0	0	0	0	0	0	0
PE 0604739A, Project 702	4519	6005	0	0	0	0	0	0	0	0

C. Other Program Funding Summary: The RDTE for this joint service program is funded from Army Projects 702 and 472. The required procurement quantity for each service is funded by each services procurement line.

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. Additionally, this line provides for necessary modifications to IBS modules as the broadcast networks continue to evolve and modify their formats and protocols. The R&D program will fund the design and development of P3I (priority to those objective requirements in the JTT ORD that have not been satisfied). A competitive FFP contract was awarded in FY98 consisting of 9 option awards for JTT and CIBS-M which includes a 10 year warranty.

E. Schedule Profile	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
IBS Format Implementation and Demonstration			1-4Q	0	0	0	0	0
IBS Waveform and CRYPTO Development			1-4Q	0	0	0	0	0
MOT&E (Transmit Mode & Other Functionality)			1Q	0	0	0	0	0
Milestone III Decision (Receive Mode)			2Q	0	0	0	0	0
Milestone III Decision (Transmit & Receive Mode)			3Q	0	0	0	0	0

ARMY RDT&E COST ANALYSIS(R-3)

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Pre-Planned Product Improvements	FFP & CPFF	Raytheon, St. Petersburg, FL	0	0		1215	1Q	0	0	0	0	Continue
b . Algorithm Development	MIPR/T&M	NSA/SAIC	0	0		229	1Q	0	0	0	0	Continue
c . DITSCAP	T&M	Computer Science Corporation	0	0		100	1Q	0	0	0	0	Continue
Subtotal:			0	0		1544		0		0	0	Continue

II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Matrix Support	MIPR		0	0		133	1Q	0	0	0	0	Continue
Subtotal:			0	0		133		0		0	0	Continue

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III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Test Support for MOT&E and IBS Format Demonstration	MIPR		0	0		175	1Q	0	0	0	0	Continue
Subtotal:			0	0		175		0		0	0	Continue
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Program Management		PM JTT, Ft. Monmouth, NJ	0	0		133	1Q	0	0	0	0	Continue
Subtotal:			0	0		133		0		0	0	Continue
Project Total Cost:			0	0		1985		0		0	0	Continue