

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 0305128A Security and Intelligence Activities					PROJECT H12	
COST (In Thousands)	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
H12 Intelligence Support to Force XXI	468	944	0	0	0	0	0	0	0	1418
<p>A. Mission Description and Budget Item Justification: This program element provides funding to develop Proof of Concepts to define fundamental capabilities and limitations of Focused Intelligence XXI technologies which supports Force XXI. Focused Intelligence addresses the functional areas of Situational Awareness, Information Management, and Predictive Analysis. This requires a comprehensive understanding of the following seven critical technologies when integrated into live, virtual or constructive environments. These critical technology areas include: displays (public, cockpit and heads-up), computer hardware capable of high-speed analytical and graphical processing, computer software for distributed tactical or simulation environments (including tools such as Knowledge Based Reasoning and Artificial Intelligence), networks which link tactical and high-speed wide area capabilities [utilizing Asynchronous Transfer Mode (ATM), Synchronous Optical Net (SONET), and multi-level security capabilities] throughout all echelons, sensors for real-time information of the battlefield throughout the electromagnetic spectrum, the Dynamic Visualization Databases for live or synthetic environment (including terrain, features, texture, images, weather, environment, entities and units as a minimum) , and the Automatic Target Recognition (ATR) and Assisted Target Recognition (AITR) for timeline reductions</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 468 Expanded Proofs of Concepts vertically to Divisions with quarterly integration tests <p>Total 468</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 919 Transition technology horizontally to Corps/Divisions continuing Proofs of Concept test with quarterly integration tests • 25 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs <p>Total 944</p> <p>FY 2000 Planned Program: Project not funded in FY 2000</p> <p>FY 2001 Planned Program: Project not funded in FY 2001</p>										

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B. Program Change Summary	<u>FY1998</u>	<u>FY1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 1999 PB)	484	950	942	933
Appropriated Value	500	950		
Adjustments to Appropriated Value				
a. Congressional General Reductions	-16	-6		
b. SBIR / STTR	-12			
c. Omnibus or Other Above Threshold Reduction	-4			
d. Below Threshold Reprogramming				
e. Rescissions				
Adjustments to Budget Years Since FY1999 PB			-942	-933
Current Budget Submit (FY2000/2001 PB)	468	944	0	0

Change Summary Explanation: FY 2000/2001 funds realigned to higher priority requirements.

C. Other Program Funding Summary: Not applicable

D. Acquisition Strategy: Utilize existing INSCOM and the Defense Advanced Research Project Agency contracts to obtain hardware and software integration support. Major integrated Proofs of Concepts, with U.S. Forces Korea and the 18th Airborne Corps (101st Airborne Division and 525th Military Intelligence Brigade) as the user, will occur on a quarterly basis.

E. Schedule Profile	<u>FY1997</u>	<u>FY1998</u>	<u>FY1999</u>	<u>FY2000</u>	<u>FY2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Proofs of Concept		1-4 Q	1-4 Q						