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ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 2000				
BUDGET ACTIVITY 2 - Applied Research				PE NUMBER AND TITLE 0602789A Army Artificial Intelligence Technology				PROJECT 880				
COST (In Thousands)				FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
880 ARMY AI TECH				1119	1267	1338	1370	1407	1519	1591	0	0
<p>A. Mission Description and Budget Item Justification: The goal of the Intelligent Technology (IT) exploratory development program is to mature emerging intelligent and advanced information technology for future insertion into Army applications to achieve the strategic advantage needed to perform the Army's world-wide missions. The threefold purpose of the program is to: (1) develop/apply emerging intelligent technology to solve large scale, highly complex management problems; (2) apply emerging intelligent technology to solve Army-wide problems in policy, personnel training and management, and applications development; and (3) transfer technology to the Army through exploratory development efforts. In addition, the program seeks to identify high potential, but embryonic intelligent methodologies and mature them for high payoff applications through targeted technology demonstration projects and the development of working models. This program has established a number of sophisticated Intranet tools focusing on the integration and application of intelligent technologies to problems in functional communities such as command and control, management, force integration, logistics, modeling, intelligence, resource management, test and evaluation, training, and medical. In addition, an office of AI research, analysis and evaluation has been established at the United States Military Academy to conduct AI applications research and development. Work in this program element is consistent with the Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and Force XXI. This project includes non-system specific development efforts pointed toward specific military needs and therefore is appropriate to Budget Activity 2. This program is overseen by the U.S. Army Knowledge Online (AKO) General Officer Steering Committee (GOSC) and is managed solely by the US Army Strategic and Advanced Computing Center, Pentagon.</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 1119 - Demonstrated use of knowledge management and emerging intelligent technologies to develop a secure Intranet Knowledge Centers for Officers, soldiers, and DA Civilians across the Army. - Developed the Officer Personnel Management System (OPMS) XXI Knowledge Center, which provides officers across the Army access to latest career field and professional development information; it also allows officers to submit knowledge-based career field designation (CFD) forms. <p>Total 1119</p> <p>FY 2000 Planned Program:</p> <ul style="list-style-type: none"> • 1233 - Develop and apply an architecture implementation plan that will allow the current AKO project to scale up to support the entire Army. - Continue to incorporate the latest and best Knowledge Management (KM) and Intranet technologies to support the Army. - Develop a secure 'Army Portal', which offers user-tailorable knowledge channels, a "message of the day" and knowledge search capabilities. - Expand development of the OPMS XXI Knowledge Center to include additional officer year groups and three additional knowledge-based career forms. • 34 - Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) programs. <p>Total 1267</p>												
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FY 2001 Planned Program:

- 1338 - Implement an architecture that allows the current AKO project to scale up to support the entire Army.
- Continue to review, evaluate and incorporate the latest and best KM, Intranet, or other evolving technologies to support the Army.
- Evolve and improve the capabilities of the Army Portal.
- Expand the functionality and usefulness of the OPMS XXI Knowledge Center and other knowledge centers associated with AKO.

Total 1338

<u>B. Program Change Summary</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (<u>FY 2000/2001</u> PB)	1156	1276	1346
Appropriated Value	1164	1276	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-8		
b. SBIR / STTR	-31		
c. Omnibus or Other Above Threshold Reductions		-5	
d. Below Threshold Reprogramming			
e. Rescissions	-6	-4	
Adjustments to Budget Years Since <u>FY 2000/2001</u> PB			-8
Current Budget Submit (<u>FY 2001</u> PB)	1119	1267	1338