

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607140A / Emerging Technologies from NIE							
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	2.383	2.369	1.023	-	1.023	0.000	0.000	0.000	0.000	0.000	5.775
ES7: Emerging Technologies from NIE	-	2.383	2.369	1.023	-	1.023	0.000	0.000	0.000	0.000	0.000	5.775

A. Mission Description and Budget Item Justification

Emerging Technologies from Network Integration Evaluation (NIE) supports the Army's Equipment Modernization Strategy, Army Force Generation (ARFORGEN) cycle and consolidates capabilities to gain efficiencies. These funds provide for an iterative and incremental approach to software development and hardware/software integration as a result of NIEs and Joint Warfighter Assessments (JWA). These funds promote industry's efforts to support the Army's Modernization Plan for Force 2025 and beyond. These funds will facilitate the identification, assessment and acquisition of capability solutions for the Army.

B. Program Change Summary (\$ in Millions)

	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018 Base</u>	<u>FY 2018 OCO</u>	<u>FY 2018 Total</u>
Previous President's Budget	2.481	2.369	0.000	-	0.000
Current President's Budget	2.383	2.369	1.023	-	1.023
Total Adjustments	-0.098	0.000	1.023	-	1.023
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.098	-			
• Adjustments to Budget Years	0.000	0.000	1.023	-	1.023

Change Summary Explanation

FY 2016 funds in the amount of (.098) million was transferred to support SBIR/STTR.

FY 2018 Base funds in the amount of \$1.023 million was added to support the completion of Ground EW capability with enhanced and networked for Versatile Radio Observation & Direction Finding (VROD) / Modular Adaptive Transmitter (VMAX) and Sabre Fury previously assessed at AWA 17.1.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607140A / Emerging Technologies from NIE				Project (Number/Name) ES7 / Emerging Technologies from NIE			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
ES7: Emerging Technologies from NIE	-	2.383	2.369	1.023	-	1.023	0.000	0.000	0.000	0.000	0.000	5.775
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
Emerging Technologies from Network Integration Evaluation (NIE) supports the Army's Equipment Modernization Strategy, Army Force Generation (ARFORGEN) cycle and consolidates capabilities to gain efficiencies. These funds provide for an iterative and incremental approach to software development and hardware/software integration as a result of NIEs and Army Warfighting Assessments (AWA). These funds promote industry's efforts to support the Army's Modernization Plan for Force 2025 and beyond. These funds will facilitate the identification, assessment and acquisition of capability solutions for the Army.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
Title: Emerging Technologies from NIEs										2.383	2.369	1.023
Description: To mature, test, integrate and evaluate traditional and nontraditional small business and industry's technologies.												
FY 2016 Accomplishments: These funds were used to mature, test, and integrate technologies that were demonstrated and evaluated during previous NIE/ AWA Events. This includes improvements of technologies from previous NIEs that will then be evaluated and baselined at a NIE for fielding in a Capability Set (CS). These funds will affect technologies from NIE/AWA 16.1, (2 QTR FY16), NIE 16.2 (4QTR FY16) and/or AWA 17.1 (2QTR FY17).												
For NIE 16.2, the Vehicular Integration for C4ISR/EW Interoperability (VICTORY) In-Vehicle Network (IVN) was able to further mature and assess the implementation of features/improvements from previous NIE events.												
FY 2017 Plans: Electronic Warfare Phase 1 Requirements (In support of USAREUR ONS - 16-21509) - will mature and demonstrate Ground EW capability with enhanced and networked for Versatile Radio Observation & Direction Finding (VROD) / Modular Adaptive Transmitter (VMAX) and Sabre Fury previously assessed at AWA 17.1.												
FY 2018 Plans: Electronic Warfare Phase 1 Requirements (In support of USAREUR ONS – 16-21509) - will complete Ground EW capability with enhanced and networked for Versatile Radio Observation & Direction Finding (VROD) / Modular Adaptive Transmitter (VMAX) and Sabre Fury previously assessed at AWA 17.1.												
Accomplishments/Planned Programs Subtotals										2.383	2.369	1.023

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: FY 2018 Army		Date: May 2017
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607140A / <i>Emerging Technologies from NIE</i>	Project (Number/Name) ES7 / <i>Emerging Technologies from NIE</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks This is the only project within this Program Element.		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		