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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2017 Army										<b>Date:</b> February 2016		
<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 7: Operational Systems Development</i>					<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	4.916	2.481	2.369	-	2.369	0.000	0.000	0.000	0.000	Continuing	Continuing
<i>ES7: Emerging Technologies from NIE</i>	-	4.916	2.481	2.369	-	2.369	0.000	0.000	0.000	0.000	Continuing	Continuing

**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 Warfighter Assessments (AWA)s. 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)**

	<b><u>FY 2015</u></b>	<b><u>FY 2016</u></b>	<b><u>FY 2017 Base</u></b>	<b><u>FY 2017 OCO</u></b>	<b><u>FY 2017 Total</u></b>
Previous President's Budget	4.916	2.481	2.506	-	2.506
Current President's Budget	4.916	2.481	2.369	-	2.369
Total Adjustments	0.000	0.000	-0.137	-	-0.137
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.137	-	-0.137

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army										<b>Date:</b> February 2016		
<b>Appropriation/Budget Activity</b> 2040 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>			<b>Project (Number/Name)</b> ES7 / <i>Emerging Technologies from NIE</i>				
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
<i>ES7: Emerging Technologies from NIE</i>	-	4.916	2.481	2.369	-	2.369	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

These funds supports Pre NIE testing and NIE participation of 3rd party software for COE. These funds will be used to mature, test, and integrate small business and industry technologies that are demonstrated and evaluated to have significant application to COE. This includes improvements of technology applications and widgets found in the commercial marketplace. The scope of this effort covers SoSE&I responsibility for execution of Phases 0-3 of COE Integration and preparation of Phase 4 AIC. The impact if not funded is that the activities identified above will not be accomplished. The results will slow COE abilities to respond to threat activities and limits shared information sources that can be downloaded in real time.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
<b>Title:</b> Emerging Technologies from NIEs	4.916	2.481	2.369
<b>Description:</b> To mature, test, integrate and evaluate traditional and nontraditional small business and industry's technologies.			
<b>FY 2015 Accomplishments:</b> These funds were used to mature, test, and integrate small business and industry technologies that were demonstrated and evaluated during NIE 15.1, 15.2 and/or AWA 16.1 Events. This included improvements of technologies from these NIEs that were evaluated and/or baselined at the NIE/AWA for fielding in future Capability Sets (CS). The technologies that will benefit from these funds for further development are dependent upon the Gatekeeper's approval. These funds affected technologies from NIE 15.1, (2 QTR FY15), NIE 15.2 (4QTR FY15) and/or NIE 16.1 (2QTR FY16).			
<b>FY 2016 Plans:</b> These funds will be used to mature, test, and integrate small business and industry technologies that are demonstrated and evaluated during various NIE Events. This includes improvements of technologies from previous NIEs that will be then evaluated and baselined at a NIE for fielding in a Capability Set (CS). The technologies that will benefit from these funds for further development are dependent upon the Gatekeeper's approval. These funds will affect technologies from NIE 16.1, (2 QTR FY16), NIE 16.2 (4QTR FY16) and/or NIE 17.1 (2QTR FY17).			
<b>FY 2017 Plans:</b> These funds will be used to support maturing, testing, and integrating industry technologies that are demonstrated and evaluated during various NIE and AWA Events. This includes improvements of technologies from previous NIEs that will be then evaluated and baselined at a future NIE for fielding in a Capability Set (CS). The technologies that will benefit from these funds for further			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>	<b>Project (Number/Name)</b> ES7 / <i>Emerging Technologies from NIE</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
development are dependent upon the Gatekeeper's approval. These funds will affect technologies from NIE/AWA 17.1, (2 QTR FY17), NIE 17.2 (4QTR FY17) and/or NIE/AWA 18.1 (2QTR FY18).			
<b>Accomplishments/Planned Programs Subtotals</b>	4.916	2.481	2.369

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

This is the only project within this Program Element.

**D. Acquisition Strategy**

Technologies will be selected dependent upon the Gatekeeper's approval.

**E. Performance Metrics**

N/A



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**Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>	<b>Project (Number/Name)</b> ES7 / <i>Emerging Technologies from NIE</i>
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Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>NIE 15.1 Planning - Execution</b>	█				█																							
NIE 15.1 - Event Analysis & Summary	█																											
<b>NIE 15.2 Planning - Execution</b>	█				█																							
NIE 15.2 Event Analysis & Summary									█																			
<b>NIE 16.1 Planning - Execution</b>					█				█																			
NIE 16.1 Event Analysis & Summary													█															
<b>NIE 16.2 Planning - Execution</b>					█				█																			
NIE 16.2 Event Analysis & Summary													█															
<b>NIE 17.1 Planning - Execution</b>					█				█																			
NIE 17.1 Event Analysis & Summary													█															
<b>NIE 17.2 Planning - Execution</b>					█				█																			
NIE 17.2 Planning/Prep - ValEx/CommEX/Pilot													█															
NIE 17.2 Event																	█											

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**Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>	<b>Project (Number/Name)</b> ES7 / <i>Emerging Technologies from NIE</i>
--------------------------------------------------	-------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------

Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021											
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4								
NIE 17.2 Event Analysis & Summary																																				
<b>NIE (AWA) 18.1 Planning - Execution</b>																																				
NIE/AWA 18.1 Planning/Prep - ValEx/CommEX/Pilot																																				
NIE/AWA 18.1 Event																																				
NIE/AWA 18.1 Event Analysis & Summary																																				

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2017 Army		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607140A / <i>Emerging Technologies from NIE</i>	<b>Project (Number/Name)</b> ES7 / <i>Emerging Technologies from NIE</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
NIE 15.1 Planning - Execution	3	2013	1	2015
NIE 15.1 - Event Analysis & Summary	1	2015	1	2015
NIE 15.2 Planning - Execution	2	2014	3	2015
NIE 15.2 Event Analysis & Summary	3	2015	3	2015
NIE 16.1 Planning - Execution	2	2015	1	2016
NIE 16.1 Event Analysis & Summary	1	2016	1	2016
NIE 16.2 Planning - Execution	4	2015	3	2016
NIE 16.2 Event Analysis & Summary	3	2016	3	2016
NIE 17.1 Planning - Execution	2	2016	1	2017
NIE 17.1 Event Analysis & Summary	1	2017	1	2017
NIE 17.2 Planning - Execution	4	2016	3	2017
NIE 17.2 Planning/Prep - ValEx/CommEX/Pilot	4	2016	3	2017
NIE 17.2 Event	3	2017	3	2017
NIE 17.2 Event Analysis & Summary	3	2017	3	2017
NIE (AWA) 18.1 Planning - Execution	2	2017	1	2018
NIE/AWA 18.1 Planning/Prep - ValEx/CommEX/Pilot	2	2017	1	2018
NIE/AWA 18.1 Event	1	2018	1	2018
NIE/AWA 18.1 Event Analysis & Summary	1	2018	1	2018

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