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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605029A I Integrated Ground Security Surveillance Response Capability (IGSSR-C)							
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	-	0.000	4.980	4.418	-	4.418	1.324	0.000	0.000	0.000	0.000	10.722
EQ2: IntegGrdSecSurvRespC(IGSSR-C)	-	0.000	4.980	4.418	-	4.418	1.324	0.000	0.000	0.000	0.000	10.722

**Note**

Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) was previously funded in Integrated Base Defense (IBD) Program Element: 0205402A EF2. This is not a new start program in FY17.

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

IGSSR-C: The Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) is an Automated Information System (AIS) program. IGSSR-C has a requirement to provide a layered approach to integrate sensors, sensor systems and unmanned systems with automated fusion capabilities. The system will provide a Force Protection (FP) Common Operational Picture (COP) capability for CONUS fixed, OCONUS semi-fixed or expeditionary elements in all Operating Environments (OE).

This capability will enable rapid decision analysis, speed the response process as well as increase information dissemination horizontally and vertically along the chain of command and with outside supporting organizations. IGSSR-C is a software centric fusion engine that connects legacy and emerging FP systems, legacy Chemical, Biological, Radiological, and Nuclear (CBRN), unmanned systems, biometric identification and forensic data systems. The desired end state is to achieve interoperability and COP with current and emerging FP systems used by Joint Forces, Department of Defense (DoD) agencies and multi-national forces.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>
Previous President's Budget	0.000	4.980	2.100	-	2.100
Current President's Budget	0.000	4.980	4.418	-	4.418
Total Adjustments	0.000	0.000	2.318	-	2.318
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	0.000	0.000	2.318	-	2.318

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<b><u>Change Summary Explanation</u></b> FY 2018 increase is due to an adjustment required to align funding with planned acquisition strategy.		

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605029A / Integrated Ground Security Surveillance Response Capability (IGSSR-C)				Project (Number/Name) EQ2 / IntegGrdSecSurvRespC(IGSSR-C)			
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
EQ2: IntegGrdSecSurvRespC(IGSSR-C)	-	0.000	4.980	4.418	-	4.418	1.324	0.000	0.000	0.000	0.000	10.722
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) was previously funded in Integrated Base Defense (IBD) Program Element: 0205402A EF2. This is not a new start program in FY17.

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

IGSSR-C: The Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) is an Automated Information System (AIS) program. IGSSR-C has a requirement to provide a layered approach to integrate sensors, sensor systems and unmanned systems with automated fusion capabilities. The system will provide a Force Protection (FP) Common Operational Picture (COP) capability for CONUS fixed, OCONUS semi-fixed or expeditionary elements in all Operating Environments (OE).

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FY 2018 Base Funding in the amount of \$4.418 million supports the development of builds 3 and 4 of the Integrated Ground Security, Surveillance and Response – Capability (IGSSR-C) software baseline which are focused on continuing the implementation of all the technical requirements for the system. This funding also supports completion of the Preliminary Design Review (PDR) and participation in Technical Support Operational Analysis (TSOA) events that provide user feedback and capability assessments. Funding also supports modeling and simulation efforts and provides for Program Management Office (PMO) support.

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

	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
<b>Title:</b> IGSSR-C Design and Development	-	4.980	4.418
<b>Description:</b> Completes IGSSR-C design efforts and initiates software integration activities.			
<b>FY 2017 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>							<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>		
Complete IGSSR-C design efforts and initiates software integration activities.											
<b>FY 2018 Plans:</b> Continue development and implementation of all technical requirements. Completes Preliminary Design Review (PDR) and supports participation in Technical Support Operational Analysis (TSOA) events. Provides for Program Management Support (PMO) support and modeling and simulation efforts.											
<b>Accomplishments/Planned Programs Subtotals</b>							-	4.980	4.418		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018 Base</b>	<b>FY 2018 OCO</b>	<b>FY 2018 Total</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• IGSSR-C (M90106): <i>IGSSR-C (M90106)</i>	-	-	-	-	-	1.249	4.684	2.955	5.664	Continuing	Continuing
• Integrated Base Defense (0205402A): <i>Integrated Base Defense (0205402A)</i>	10.324	3.450	-	-	-	-	-	-	-	0	13.774
<b>Remarks</b> Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) was previously funded in Integrated Base Defense (IBD) Program Element: 0205402A EF2, which was a shared funding line between IGSSR-C, Ground-Based Operational Surveillance System - Expeditionary (GBOSS-E), and Integrated Base Defense (IBD). IGSSR-C portion was \$3.376 million in FY 2016.											
<b>D. Acquisition Strategy</b> The Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) provides a layered approach to integrate sensors, sensor systems and unmanned systems. The IGSSR-C Capability Design Document (CDD) was approved September 2013. IGSSR-C is made up of a suite of software that achieves integration, fusion and interoperability in support of the Army Acquisition Executive's Common Operating Environment (COE) Command Post Compute Environment (CPCE) and Sensor CE efforts.  In FY 2014, the Department of Defense (DoD) Physical Security Enterprise and Analysis Group (PSEAG) provided funds to conduct pre-milestone B activities. IGSSR-C received an approved Materiel Development Decision (MDD) from the Milestone Decision Authority (MDA) on 4 December 2015. The acquisition strategy for IGSSR-C was approved on 5 December 2016 by the MDA, which approved plans to leverage a Night Vision and Electronic Sensors Directorate (NVESD), Fort Belvoir, Virginia delivery order to develop, integrate and test the Initial Capability (IC). No production activities are planned for FY 2018. Milestone C is planned for FY 2020 to align Ground-Based Operational Surveillance System - Expeditionary (GBOSS-E), Tactical Security System (TSS) and Integrated Ground Security, Surveillance and Response Capability (IGSSR-C) in order to gain programmatic efficiencies.											

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E. Performance Metrics  
N/A