

<b>SBIR 06.2 PHASE I - AWARD DETAILS</b>	
<b>ORGANIZATION</b>	CERDEC
<b>TOPIC NUMBER</b>	A06-108
<b>CONTRACT NUMBER</b>	
<b>YEAR OF AWARD</b>	
<b>AWARD START DATE</b>	
<b>AWARD COMPLETION DATE</b>	
<b>PROPOSAL NUMBER</b>	A062-108-0257
<b>TITLE</b>	Prioritization for Improved Effectiveness of Co-Located Wide and Narrow Field-of-View Sensors
<b>PROJECT MANAGER</b>	Peter Shea (315) 732-7385 <a href="mailto:shea@brsc.com">shea@brsc.com</a>
<b>COMPANY</b>	Black River Systems Company, Inc. 162 Genesee Street Utica NY 13502  Minority Owned: No Veteran Owned: No Number of Employees: 43
<b>KEYWORDS</b>	sensor management, target prioritization, sensor scheduling, tactical targeting
<b>ABSTRACT</b>	Today's battlefield environment contains a large number of sensors onboard multiple platforms. This set of sensors types includes SAR, EO/IR, GMTI, AMTI, HSI, MSI, and video and for each sensor type there may be multiple modalities. Of particular interest for this topic, is the use of GMTI and EO/IR sensors collocated on a single platform. The challenge arises when one must determine how to optimally use the widely different capabilities of these two sensors. The GMTI sensor generates a wide field-of-view of the battlefield, but is not able to accurately identify targets. On the other hand, the EO/IR sensor provides increased identification capability but is limited in their field of view. The goal of this effort is to develop a sensor management capability that is able to prioritize among the set of targets within a battlefield environment so as to maximize the benefit of the data products obtained from these sensor systems.
<b>BENEFITS</b>	Upon successful completion of this effort, the US Army will have a system that is able to task collocated sensors based upon target prioritization. This approach will tested and evaluated within our end-to-end sensor management testbed against alternative prioritization schemes which yields the additional benefit of having an objective assessment of the capability within a simulated environment.