USTRANSCOM Science and Technology

Buoyant Roll-On/Roll-Off Interface Kit for Commercial Supply Vessels (BRRIK-CSV)

Project Summary: Converts Commercial Supply Vessels or USN/USA Craft/Vessels into RO/RO logistics platform capable of interfacing to a floating RO/RO Discharge Facility (RRDF), transfer of vehicles with an amphibious ship well deck at sea launch and recovery of amphibious vehicles or across the beach via a lightweight extended causeway or provides river/wet-gap crossing to inland forces. Integrates with USN and USA craft/vessels. Potential uses as sea-bases as well.

Sea Vessel Off-loading via BRRIK

Benefit: The BRRIK-CSV project addresses the USTRANSCOM Joint Deployment Distribution Enterprise (JDDE) FY21-25 Global Access Technologies category and the Priority Need/Focus Areas of Global Posture and Access and Transportation Capacity and Fleet Readiness. BRRIK-CSV specifically addresses needs included within the area of Sea Basing Technologies/Logistics-Over-The-Shore to enhance the Joint Force Commander's flexibility to deploy and employ from/through a joint sea base as well as deliver and sustain warfighting capabilities at the point of effect. A vessel with the BRRIK-CSV capability will be a much more effective platform for the mobile staging of logistical sustainment and the employment of Delivery Technologies, including autonomous systems. The BRRIK-CSV is intended for use with commercial cargo vessels to enhance cargo throughput of military unit equipment at sea as stated in the description of the Rapid Distribution Technologies focus area.

Duration of project: FY21 – FY23

Participants: Naval Surface Warfare Center Carderock Division, Army Aberdeen Test Center

Project advocacy (funding or otherwise): Military Sealift Command