



## USTRANSCOM Science and Technology

### Joint Logistics Over-the-Shore (JLOTS) Environmental Monitoring System (JEMS)

**Project Summary:** JEMS is a two year effort that will develop and deliver an operational prototype real-time monitoring and display system of local wave/current/wind conditions that can be deployed and operated as an organic asset during JLOTS operations by either Navy or Army units, such as the Naval Beach Group or Army Sustainment Brigade. During Joint operations JEMS will provide the JLOTS commander with real-time situational awareness of the operating environment throughout the area. Employment of JEMS will enable these units to maximize their throughput potential by accurately assessing the operating environment while not exceeding limits that could result in casualties to personnel or equipment.



**Current Status:** JEMS is an approved FY15 USTRANSCOM funded effort.

**Return on Investment:** JEMS will create an organic capability currently not available to Army and Navy units typically participating in JLOTS. Employment of JEMS will maximize throughput potential by accurately assessing the operating environment while not exceeding limits that could result in casualties to personnel or equipment. In addition to increased safety, avoiding casualties to equipment will save the cost of repairs and replacement.

**Duration of project:** FY15-FY16

**Participants:** Naval Surface Warfare Center, Carderock Division (NSWCCD) Bethesda, MD

**Project advocacy (funding or otherwise):** NSWCCD, USTRANSCOM