



UNITED STATES CENTRAL COMMAND
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27 May 2021

MEMORANDUM FOR DEPARTMENT OF THE ARMY REVIEW TEAM FOR THE BROAD AGENCY ANNOUNCEMENT (BAA) FOR EXTRAMURAL BIOMEDICAL RESEARCH AND DEVELOPMENT – UNITED STATES SPECIAL OPERATIONS COMMAND (USSOC), Funding Opportunity Number: W81XWH-18-S-SOC1 - CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: 12.420

FROM: UNITED STATES CENTRAL COMMAND, MR. BRETT T. SHARRINGHAUSEN, DAFC, TECHNOLOGY SCOUT FOR THE COMMANDER

SUBJECT: Letter of Support for BAA Funding Opportunity Number: W81XWH-18-S-SOC1 Proposal Titled “Medical Response System (MRS) to Care for Patients by Increasing Military-Civilian Medical Surge Capabilities” Applicant: MustER RDU, Inc.

1. United States Central Command (USCENTCOM) strongly supports this Phase I Funding STTR Application that will support MustER’s development of an expeditionary medical response system in the aftermath of the global pandemic and preparation for a prolonged conventional war with a near-peer adversary. The Warfighter support mission areas: deployed military support, humanitarian relief, supporting the Global Health Security Agenda (GHS), and civil support as part of the National Disaster Medical System to care for patients by increasing medical surge capabilities. This technology can be used by all Services, and Combatant Commands (CCMDs). USCENTCOM and other Service Technology Scouts became aware of this technology during the company's participation in the TRIAD Ohio Program from GDI Partners that identifies promising technologies for both the Department of Defense (DoD) and civilian-based applications. GDI is currently working with MustER to communicate the benefit of this innovation to the DoD and Federal Agencies. USCENTCOM and other DoD Service "Technology Scouts," reviewed a technology pitch from MustER, as part of the TRIAD program, and found the technology to be extremely supportable for the Warfighter!
2. MustER’s underlying technology involves providing “far-forward, remote/austere tactical combat casualty care/prolonged field care,” “to extend the golden hour,” and to provide “rapid response to pandemic influenza/infectious disease occurrence at home and abroad.”
 - a. The MustER Medical Response System (MRS) a concept for a rapidly deployable, self-contained expeditionary medical treatment center designed to incorporate health care delivery modernization into the future Air Force’s Expeditionary Medical Support (EMEDS) and Army Health System (AHS).
 - b. The MustER MRS is hermetically sealed for biological warfare against a conventional, near-peer adversary and infectious disease threats.

- c. Suitable for: Triage, Surgical Care, Lab/Pharmacy Services, Diagnostics, Isolation, and Treatment with the added value of increasing increase medical surge capacity supporting the "Military-Civilian National Disaster Medical System (NDMS). Thus helping the Warfighter have a faster "Return-to-Duty" (RTD) time possibly, moving the mission forward faster.
3. The MustER MRS is powered by a 60KW AAMPS Generator, 60KW Solar Microgrid, Vigor Battery Back-Up, and wind power, making it usable in situations where electrical power is unavailable. The system can be dropped by aircraft for difficult to reach areas or delivered via land vehicle. The equipment is compact and can be assembled by a team using easy-to-read diagrams and familiar tools, which follow standard operating procedures and protocols familiar to the Warfighter and DoD contract support personnel, thus increasing the speed of deployment.
 4. USCENTCOM highly recommends awarding this Phase I STTR, to explore the feasibility of providing this technology to the Warfighter in the field, armed forces members supporting global humanitarian missions, and National Disaster Medical System (NDMS) components responding to domestic national emergencies in the field.

Very Respectfully,

A handwritten signature in black ink, reading "Brett T. Scharringhausen". The signature is written in a cursive style with a long, sweeping tail on the last name.

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