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Congratulations to TATRC's Q3 Employee of the Quarter!

Mr. James Beach of TATRC's Medical Intelligent Systems / Operational Medicine Laboratory was selected as TATRC's Employee of the Quarter for his continuing excellent work and untiring efforts as a Research & Support Project Manager for the U.S. Special Operations Command (USSOCOM) Joint Medical Exchange & Dissemination of Information for Combat Casualty Care (J-MEDIC3) Project, and for leading the efforts in supporting field evaluations of operational telemedicine and tactical medical information exchange technologies in collaboration with USSOCOM, U.S. Army Special Operations Command, Army PEO Aviation, and the Aviation and Missile Research,. Development, and Engineering Center (AMRDEC).

Mr. James Beach, Medical Intelligent Systems / Operational Medicine Laboratory Project Manager is the Employee of the Quarter for Quarter 3.

J-MEDIC3 is both a Defense Health Program funded Program of Record with USSOCOM and a Joint Program Committee – 1 (JPC-1) funded research project within MRDC TATRC. From the initial J-MEDIC3 concept, James has played an instrumental role in the J-MEDIC3 program in conjunction with USSOCOM by organizing and supporting the Joint Capabilities Integration and Development System Capability Development Document (CDD) writing, identifying the SOCOM PM, developing and now executing the research element proposal through JPC-1, and supporting the Product Manager (PM) in establishing, funding, coordinating, and executing the program. A major element this quarter was preparing briefings for the SOCOM PM, organizing Decision Gate meetings with the MRDC Principal Assistants for Acquisition & Research, and helping shepherd the J-MEDIC3 program plan through the Defense Health Program Milestone Decision Authority, all PM responsibilities. Now in its second year of execution, the research component of the J-MEDIC3 program has already identified, tested, evaluated and made recommendations to the PM on several emerging technologies. These tests and evaluations, conducted both this year and last year in conjunction with both SOCOM user medic operators, and U.S. Army Communications-Electronics Research, Development and Engineering Center scientists and engineers were organized and conducted by Mr. Beach and his operational telemedicine colleagues. A 2nd year final report was completed and published this quarter. At the recent Integrated Product Review, he presented the J-MEDIC3 overview to the Medical Data Cloud team that included AMRDEC, U.S. Air Force Research Laboratory, Naval Surface Warfare Center Dahlgren Division, Marine Corps Warfighting Laboratory, Medical Communications for Combat Casualty Care and U.S. Marine Corps Next Generation Logistics, plus SOCOM medics and support personnel. He continued to advance the coordination and the integration of the J-MEDIC3 Program with the JPC-1 funded Medical Data Cloud research project and the Virtual Medical Center's ADVISOR program. This research concept is investigating the ability of connecting a medic, in a deployed isolated environment, with a medical specialist at a major MTF through the tactical, operational, and satellite networks in order to treat serious casualties and increase the casualty's survivability until medical evacuation can arrive. Mr. Beach is currently establishing the network node for the J-MEDIC3 research by collecting real and simulated non-identified medical data from OCONUS locations back to Fort Gordon's Web Portal servers to allow medical providers access via a web browser. The de-identified data will be analyzed to determine the effectiveness and usability of virtual health systems in an operational setting.

In his operational telemedicine and tactical medical information technology test and evaluation role, James worked with PEO Aviation in three different events during FY18 & 19, in addition to the TATRC / CERDEC annual field evaluation event, for which an extensive 110 page report was published this quarter. The most recent of these events was with PEO Aviation at Army NIE 18.2 conducted last year at Fort Bliss and White Sands Missile Range. Under Mr. Beach's leadership, TATRC personnel provided support to PEO Aviation for the integration of BATDOK, Tempus Pro Physiological Status

Monitor, and MEDHUB into the AeroMedTelNet to conduct network analysis and capability testing of Trellis Ware's TSM Radio Waveform to support bi-directional medical exchanges, to the U.S. Army Medical Materiel Development Activity's MEDHUB program by providing networking and technical support at the medical company's ground station, and conducted data collection and analysis of the Sensogram Biosensor via a CRADA between Sensogram and TATRC (the latter was also performed during the Island Marauder exercise). These capabilities allowed for the medical personnel to prepare an appropriate response for the incoming casualties with informed medical situational awareness that included treatment performed and medications provided at Role I and during the helicopter flight. Finally, in accordance with guidance from the Deputy Director, James Beach has developed an extensive plan for research data collection to include end user feedback during field events.

Like all MISL and Operational Medicine lab scientists, James manages several SBIR projects aimed at providing enabling technologies for his other projects and supported PMs. It is certainly clear to all at TATRC that James continuously models and sets the example of the qualities outlined in the Employee of the Quarter Charter. Congratulations, Mr. James Beach!