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TATRC Awards New Research Contracts for Algorithm Development to Support Autonomous Documentation within the Autonomous Casualty Care (AC2) Research Portfolio

Press Release – For Immediate Release

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FORT DETRICK, Md. – The United States Army Medical Research and Development Command's (USAMRDC) Telemedicine & Advanced Technology Research Center (TATRC) has awarded three research contracts for the development of algorithms to support autonomous documentation of care delivery during tactical combat casualty care (TCCC) environments. The recipients of these Medical Technology Enterprise Consortium (MTEC) Other Transaction Authority (OTA) awards are Applied Research Associates (ARA), Inc., BlueHalo and Crimson Government LLC. All three performer teams will provide key components to support TATRC's Autonomous Casualty Care (AC2) mission.

One critical aim of TATRC's AC2 research portfolio is to leverage a repository of data generated by combat casualty care providers wearing multimodal passive sensing technologies while performing TCCC tasks in realistic battlefield settings. This data repository will be leveraged to develop artificial intelligence (AI) tools for the future by these three extramural partners. The algorithms that will be developed by ARA, BlueHalo and Crimson Government will be a critical component of accomplishing the larger objectives of automating casualty care.

"The Military Health Care system needs to develop trustworthy artificial intelligence (AI) to support future concepts that will increase the medical system's capability and capacity at echelon. TATRC welcomes the opportunity to partner with ARA, BlueHalo and Crimson Government to develop these essential AI resources," said TATRC's Commander, COL Jeremy Pamplin.

All three algorithm teams will commence their support of TATRC's AC2 research portfolio with a six-month development sprint. At the conclusion of this initial development sprint, the government will conduct an independent performance assessment of each software product and provide valuable feedback to the performer teams. In total, this research contract provides options for a total of three six-month technology development sprint cycles, as required. The total value of the overall research contract award for the three extramural performers will not exceed \$3 million dollars.

About TATRC:

U.S. Army's Telemedicine & Advanced Technology Research Center's (TATRC) is engaged in essential medical research focused on advanced medical technologies and is dedicated to bringing innovative telehealth solutions to the Warfighter and the Military Health System. TATRC fosters research on health informatics, telemedicine / m-Health, medical training systems and computational biology to address gaps in DoD medical research programs and military healthcare.

For more information on TATRC, please visit: <https://www.tatrc.org>.

About Applied Research Associates, Incorporated:

Applied Research Associates, Inc. (ARA) is globally recognized for applying technically-excellent, in-depth and diversified research, engineering, and technical support services to provide answers to complex and challenging problems in the physical sciences. ARA is a 100% employee-owned scientific research and engineering company dedicated to solving critical national problems to improve our safety, security and way of life. For more information on ARA, please visit: <https://www.ara.com>.

About BlueHalo:

BlueHalo is purpose-built to provide industry-leading capabilities in the areas of Space, C-UAS and Autonomous Systems, Electronic Warfare & Cyber, and AI/ML. The company develops and brings to market next-generation capabilities to support customers' critical missions and national security. BlueHalo's health and performance technologies support warfighters, first responders, and healthcare professionals while creating a positive impact on the public they serve. Learn more at <https://bluehalo.com/healthcare> and follow BlueHalo on [LinkedIn](#).

About Crimson Government LLC:

Crimson Government, LLC, dba Crimson Phoenix, delivers cutting-edge, data-enabled solutions to the Intelligence and Defense Communities. Through a focus on artificial intelligence, machine learning, and digital technologies, we advance intelligence analysis and drive innovation. Crimson provides comprehensive, data-driven solutions and services designed to meet the unique needs of our clients, creating a competitive edge across critical domains. Leveraging specialized platforms like our NuroMed product, we offer Computer Vision models that enable automated, real-time capture of medical data on combat casualties, including intervention tracking, human body segmentation, and patient identification. For more information on Crimson Phoenix, please visit: <https://www.crimsonphoenix.com/>