

## **DOD Issues RPP Through the National Spectrum Consortium (NSC) to Leverage 5G and Augmented Reality to Save Warfighters' Lives**

*5G Telemedicine and Medical Training RPP is open to members of the NSC and the Medical Technology Enterprise Consortium (MTEC)*

**WASHINGTON, DC** -- The US Department of Defense (DoD) has issued a Request for Prototype Proposal (RPP) to the members of the National Spectrum Consortium (NSC) in support of 5G Telemedicine and Medical Training research and technology development.

To provide the best possible solutions to the DoD, the NSC has invited members of the Medical Technology Enterprise Consortium (MTEC) to review the RPPs and possibly team with proposers from the NSC.

The RPP focuses on two objectives:

- 1) The development of a 5G-enabled Augmented Reality (AR) training platform that accommodates multiple trainees under a single trainer/facilitator; and
- (2) 5G AR-enabled telementoring for medical procedures, allowing for real-time communication between a mentee in a remote location and a centrally located medical specialist.

**“This initiative represents an exciting opportunity to significantly advance the quality of military care for our warfighters by leveraging the latest developments in 5G and augmented reality, said Maren Leed, Executive Director of the National Spectrum Consortium. “Bringing those technologies to bear will mean our soldiers, sailors, airmen and Marines operating in remote locations will be supported by state-of-the-art care. At the same time, DoD’s investments will help advance the commercial state-of-the-art when it comes to using AR for medical training and mentoring, benefitting the nation as a whole.”**

**“Augmented reality has the very real potential to create three-dimensional immersive learning experiences to train and mentor military medical personnel in critical care and trauma scenarios from remote locations,” said National Spectrum Consortium Chief Strategy Officer, Vice Admiral Joseph Dyer, USN (ret). “When fully developed and implemented, it will bring medical expertise from anywhere in the world to the battlefield and save lives. We are excited to see the innovative solutions that NSC and MTEC member teams will offer to DoD in this critically important area of the health and safety of our men and women in uniform.”**

## **Request for Prototype Proposal**

**NSC-21-RPP-06 - 5G Telemedicine and Medical Training** -- Members of the NSC in good standing can submit proposals in response to the RPPs. MTEC members are welcome to team with NSC members as part of a proposal team, or if they wish to serve as a prime contractor, to become a member of the NSC. Proposals are due July 21 at 11:59 PM ET.

## **Spectrum Forward OTA**

Last December, the DOD awarded the Spectrum Forward Other Transaction Agreement (OTA) to the National Spectrum Consortium (NSC) to accelerate the development, adoption and deployment of next-generation technologies that provide our warfighters a decisive edge on the battlefield. The OTA has a term of five years and a ceiling value of \$2.5 billion. The goal of the Spectrum Forward OTA is to facilitate a partnership between the US technology and industrial base and the US Government to develop or leverage a wide range of dual-use technologies that enhance or rely upon the use of the electromagnetic spectrum, from dynamic spectrum access to machine learning to autonomous navigation to next generation radio access networks. This year, DOD has released several [RPPs](#) through the Spectrum Forward OTA related to spectrum sharing in contested environments.

The NSC membership possesses broad expertise in the following areas related to the electromagnetic spectrum and advanced wireless technologies: Ubiquitous Connectivity; Cognitive Spectrum Access & Sharing; Cybersecurity; Radio Frequency-Free Space Optics Cooperative Systems; Autonomous Systems (Ground/Air/Maritime); Internet of Things (Narrow Band/Critical/Massive); Electronic Warfare; Intelligence, Surveillance, and Reconnaissance (ISR); Software Defined Radios/Networking/Architectures; Radar Systems; Digital Signal Processing; Microelectronics; Software Reconfigurability; Nanotechnology; Machine Learning/Artificial Intelligence; Autonomy/Robotics; Biotechnology; Big Data Analytics; Edge and Cloud Computing; Augmented/Virtual/Mixed Reality; Location Detection; 3D Printing/Additive Manufacturing; and 5th generation (5G) information communications technologies, products, and services including the use of zero trust.

## **About the National Spectrum Consortium**

The NSC is comprised of over 400 U.S. companies and academic institutions. Their technologists, engineers, scientists, manufacturers, and program managers work with their counterparts in government to solve the toughest problems facing the nation with regard to spectrum and spectrum-enabled technologies, providing the DoD and other customers with spectrum superiority. For more information, visit [www.nationalspectrumconsortium.org](http://www.nationalspectrumconsortium.org).

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