



Call for Technology: Sensor Technology

The Mission Acceleration Center (MAC) is seeking new & emerging technology solutions from companies specializing in sensor technologies to support our ongoing initiatives in multi-domain operations. This request aims to identify emerging technologies and capabilities in the field of sensors, including but not limited to LIDAR, radio frequency sensors, motion detection, and optical and photonic radar. Specific areas of interest include:

LIDAR (Light Detection and Ranging): Technologies capable of real-time processing, multi-wavelength capabilities, and integration with other sensor modalities over short and long ranges; and compatible with different platforms (e.g., aerial, ground-based).

Radio Frequency Sensors: Innovative sensor solutions that can classify various RF signals, mitigate interference, enhance signal processing, and improve detection accuracy.

Motion Detection Sensors: Sensor technology featuring advanced algorithms or sensor fusion techniques that can be utilized to increase accuracy and shorten detection time during motion analysis and tracking.

Optical and Photonic Radar: Technologies that can improve our current detection abilities by increasing resolution, improving scanning speed, and advancing target detection over traditional radar systems.

A [Technical Readiness Level](#) (TRL) of 6 or higher is requested.

Technology Submission Process

There are three ways to submit your technology for consideration:

1. Quad chart (see additional instructions below)
2. Company pitch deck
3. Technology capabilities statement

Please choose the format that works best for you and submit to the SWMAC. Please also include video footage of your technology in action. Submissions can be sent as an email attachment to solutions@swmac.org.



QUAD CHART SUBMISSION GUIDELINES

If you choose to submit a quad chart, please follow the instructions below to ensure that all the information needed by our review team is provided.

Top Left Quadrant: Introduction

- Brief project title or description.
- Overview of the current capabilities.

Top Right Quadrant: Key Features or Components

- Major features and components of the system.
- Bullet points or concise explanation of how your technology satisfies the above requested features/functions.
- Visual representations or icons to aid understanding (if applicable).

Bottom Left Quadrant: Company Profile

- List of current customers (priority to Federal customers)
- Current level of investment in the continued development of technology, including the sources of funding.
- Brief explanation of corporate structure and ownership.

Bottom Right Quadrant: Benefits or Impact

- Positive impact on stakeholders, clients, or users.
- Metrics or data showcasing the value proposition (if available).

About the Southwest Mission Acceleration Center

Located in Phoenix, Arizona, the Southwest MAC is expediting critical technology assets to the warfighter in collaboration with DoD mission partners to address pressing National Security challenges. MAC programming includes critical technology identification & venture creation, lab-to-market commercialization, direct funding, and acquisition navigation support to develop prototypes and offer training and support for entrepreneurs and the tech workforce needed to ensure these startups and our mission partners succeed.