

Integrated Visual Augmentation System (IVAS)



In February 2025, Microsoft submitted a request for Army approval to novate the Integrated Visual Augmentation System (IVAS) contract to Anduril. The Army approved the novation in April 2025, recognizing Anduril as the IVAS prime contractor. The Army canceled the IVAS 1.2 variant operational assessment (OA) that was scheduled for April 2025. The Army does not intend to test, produce, or field any IVAS variant systems in the future. Also in April 2025, the Army designated the next generation of IVAS as Soldier Borne Mission Command (SBMC) and released a Request for Solution to industry. The Army is scheduled to approve the SBMC program to use the Middle Tier of Acquisition (MTA) rapid prototyping (RP) pathway in December 2025. In future Annual Reports, DOT&E will report on SBMC systems as the replacement program to IVAS.

SYSTEM DESCRIPTION

The Army intended IVAS to function as a soldier-worn system to increase soldier lethality in all environments and battlefield

conditions at the battalion-level and below. IVAS included a heads-up display (HUD), a body-worn computer known as a puck, a networked data radio, and three conformal batteries per soldier. IVAS was designed to provide a see-through display

and augmented reality capability with integrated thermal and low-light imaging sensors, a built-in compass for navigation, and Tactical Assault Kit situational awareness software. The Intra-Soldier Wireless ultra-wideband network was intended to enable

passive targeting capabilities by connecting the Family of Weapon Sights – Individual, mounted on a soldier’s weapon, to the sight picture in the HUD. The IVAS radio enabled IVAS-equipped soldiers to transmit data within the company.

MISSION

The Army intended for close combat forces to employ IVAS in all environments and battlefield conditions to increase an individual soldier’s situational awareness and ability to detect, identify, and engage the enemy with direct fires. IVAS was designed to enhance collective lethality through the combination of improved communication, mobility, mission command, and marksmanship. The Army envisioned squads would train with IVAS in the Squad Immersive Virtual Trainer to provide a high-fidelity, live, and mixed reality environment that enabled the rapid conduct and repetition of select platoon-level battle drills and the immediate conduct of after-action reviews.

PROGRAM OVERSIGHT HISTORY

In December 2022, the Army approved the IVAS 1.2 variant to use as the MTA RP pathway, and the technological insertion was awarded to Microsoft under the existing IVAS production Other Transaction Authority. The Army planned to conduct an IVAS 1.2 variant OA in April 2025 to inform a production decision and support the transition from the MTA RP pathway to a new acquisition pathway in August 2025. Fielding

of the IVAS 1.2 variant was planned to begin in 1QFY26.

In February 2025, Microsoft submitted a request for Army approval to novate the Integrated Visual Augmentation System (IVAS) contract to Anduril. The Army approved the contract novation in April 2025 and canceled the IVAS OA.

In April 2025, the Army ceased testing, production and future fielding of IVAS 1.2 systems and announced that the follow-on effort to the IVAS 1.2, previously referred to as IVAS-Next, had been rebranded as the SBMC. The Army is scheduled to approve the SBMC program for use of the MTA RP pathway in December 2025. In future Annual Reports, DOT&E will report on SBMC systems as the replacement program to IVAS.