



Joint Services Wiring Action Group (JSWAG)



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JSWAG Overview

- Chartered joint service forum to improve safety, reliability, availability, and maintainability of DoD aircraft by improving Electrical Wiring Interconnect Systems (EWIS).
- Directly supports the warfighter with timely, specific aircraft wiring systems and component solutions.



JSWAG Conference Deemed a Success!

In December of 2024, the Joint Services Wiring Action Group (JSWAG) held their first in person meeting since 2019 due to COVID in 2020 at the 2024 DoD Maintenance Symposium in Salt Lake City, Utah. The 9-12 December meeting revealed issues across all platforms raising awareness across the services. Over 200 members attended the event to discuss electrical issues found across the five services: U.S. Army, U.S. Navy, U.S. Marine Corps, U.S. Coast Guard, and U.S. Air Force.

JSWAG started over 40 years ago as the Navel Aerospace Vehicle Wiring Action Group (NAVWAG) organized to identify Electrical Wiring Interconnect System (EWIS) issues across Navy aircraft. In 2005 NAVWAG merged with the Air Force and Coast Guard to form the JSWAG. The Joint Fiber Optics Working Group (JFOWG) joined in 2006, and in 2015, the Army began participating as well.

In 2024, the Army led the efforts to develop a Joint Charter between the Army, Navy, Marine Corps, Coast Guard, and Air Force by providing the first signature on the Joint Charter. The remaining services quickly followed, illustrating their commitment to a joint service group dedicated to address known electrical issues on aviation assets within the Department of Defense (DoD). The main goal is to improve the safety, reliability, availability, and maintainability of aviation assets while increasing the materiel readiness.

In October 2024, the Joint Services Wiring Action Group charter became official once Mr. Patrick N. Kelleher, Deputy Assistant Secretary of Defense for Material Readiness signed the charter, supporting the services' collaborative efforts to solve common aviation electrical problems. During the 2024 DoD Maintenance Symposium, Mr. Kelleher congratulated JSWAG members on their collaboration and presented the JSWAG Excellence Award to Mr. Shane Lege and the JSWAG Lifetime Achievement Award to Mr. Oliviu Muja.

During the JSWAG Conference, the JSWAG Executive Steering Committee (ESC), along with the Members at Large, including Service Members, Industry Partners, Accademia, and Foreign partners, worked together to address known issues within the aviation community and develop solutions to increase aviation materiel availability. Four of the six JSWAG committees - Data, Maintenance, Quality, and Design and Installation - worked together in the main room to discuss known issues. The Joint Fiber Optics Working Group, one of six committees within JSWAG, met separately to discuss issues and solutions for working with fiber optics in a fast-paced environment.

This year, JSWAG Executive Steering Committee (ESC) tried something different during the meeting. Led by the Training Committee, the sixth committee within JSWAG, they organized a hands-on training event with some industry partners to teach aircraft electricians and avionics technicians how to use equipment they currently have in their inventory. Service members had the opportunity to learn how to properly operate Automatic Wiring Test Sets (AWTS) by Eclipse and aviation electrical hand tools by DMC. The event was a huge success as the service members gained valuable information to take back to their units to share with their leaders, peers, and subordinates.

As outlined in the JSWAG Charter, JSWAG will continue to hold meetings and training events at future DoD Maintenance Symposiums to provide information and education on DoD aviation assets. This ongoing effort will provide a great benefit to the Army, Navy, Marine Corps, Coast Guard, and Air Force by providing information to help maintainers increase materiel readiness across the DoD.

Therefore, JSWAG is doing a calling for any EWIS tactician at the field-level to do a brief at the December 2025 JSWAG Conference in association with DoD Maintenance Symposium in Louisville, KY. JSWAG is looking for briefs on; but, not limited to: technical support based on operational experience; manage specifications and standards (Tech Orders/Publications/Tech Manuals); improve mission capability; reduce man-hours; improve flight safety; reduce costs; and identify high failure areas. Please contact the below email no later than 30 May 2025 to participate.

If you have any questions, email us at JSWAGESC@army.mil.

JSWAG Commercial Website (DoD Approved) **Please check frequently for periodic updates**



<https://jswagesc.com>

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