



CLEARED
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Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

JSWAG Information Brief

20 January 2025



Agenda



Welcome Joint Services Wiring Action Group (JSWAG) Around the Room



JSWAG Commercial Website



www.jswagesc.com





Agenda – Band Schedule

Jan 2026

21
Wed
Electrical Wiring Interconnect System (EWIS) Awareness - M...
● 1:30 PM - 2:00 PM
● Room 106 (A-C) West... - Shane Lege

21
Wed
GORE High Speed Data Cables
● 1:30 PM - 2:30 PM
● RM 104 (A-B) JSWAG... - Shane Lege

21
Wed
Intermittent Fault Detection and Elimination with AWTS
● 1:30 PM - 2:30 PM
● RM 105 JSWAG Trainin... - Shane Lege

21
Wed
RAM Scored VS Unscored Data
● 2:00 PM - 2:30 PM
● Room 106 (A-C) West... - Shane Lege

21
Wed
C-5 Electrical Wiring Interconnect System (EWIS) P...
● 2:30 PM - 3:00 PM
● Room 106 (A-C) West... - Shane L





Agenda – Band Access





Agenda - Overall

Breaks at 10

Main Room - 106 (A-C)

Fiber Room – 103 (A-B)

Training Room 1 – 105 (B-C)

Training Room 2 – 104 (A-B)

Lunches

End of Days



JSWAG Excellence Award - Nominations

[Award Nominations](#)





JSWAG Lifetime Achievement Award





JSWAG Focus



To Respond to the Warfighter Requirements

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

Develops new components, capabilities, specifications and supports engineering/testing to expedite solutions

Supports all types/models/series and sharing lessons learned on EWIS solutions

It's not just wiring It's a "System"



History



Celebrated 40 years of Joint Warfighter support

In 1984, the Navel Aerospace Vehicle Wiring Action Group (NAVWAG) was formed and chartered

In 2005, the Joint Services Wiring Action Group (JSWAG) was formed when NAVWAG merged with Air Force and Coast Guard

In 2006, Joint Fiber Optics Working Group (JFOWG) joined JSWAG





History - Continued

In 2015, the Army started participating in the JSWAG, which allowed decisions to be DOD specific versus service Specific

In 2024, The Joint Charter was approved and signed by:

Mr. Patrick Kelleher

Deputy Assistant Secretary of War

(Materiel Readiness)





JSWAG Document Participation

- Electrical Wiring Manual
 - NAVAIR 01-1A-505 – Navy, Marine Corps, Coast Guard
 - T.O. 1-1A-14 – Air Force
 - TM 1-1500-323-24 – Army
- Electrical Wiring Interconnect System (EWIS) Handbooks
 - MIL-HDBK-522 – Guidelines for Inspection of Aircraft EWIS
 - MIL-HDBK-525 – EWIS Integrity Program
 - MIL-HDBK-535 – Guidelines for Troubleshooting Aircraft EWIS
 - MIL-HDBK-1646 – Selection of Electrical Contacts
- Industry Standards
 - ASME
 - IEEE
 - SAE



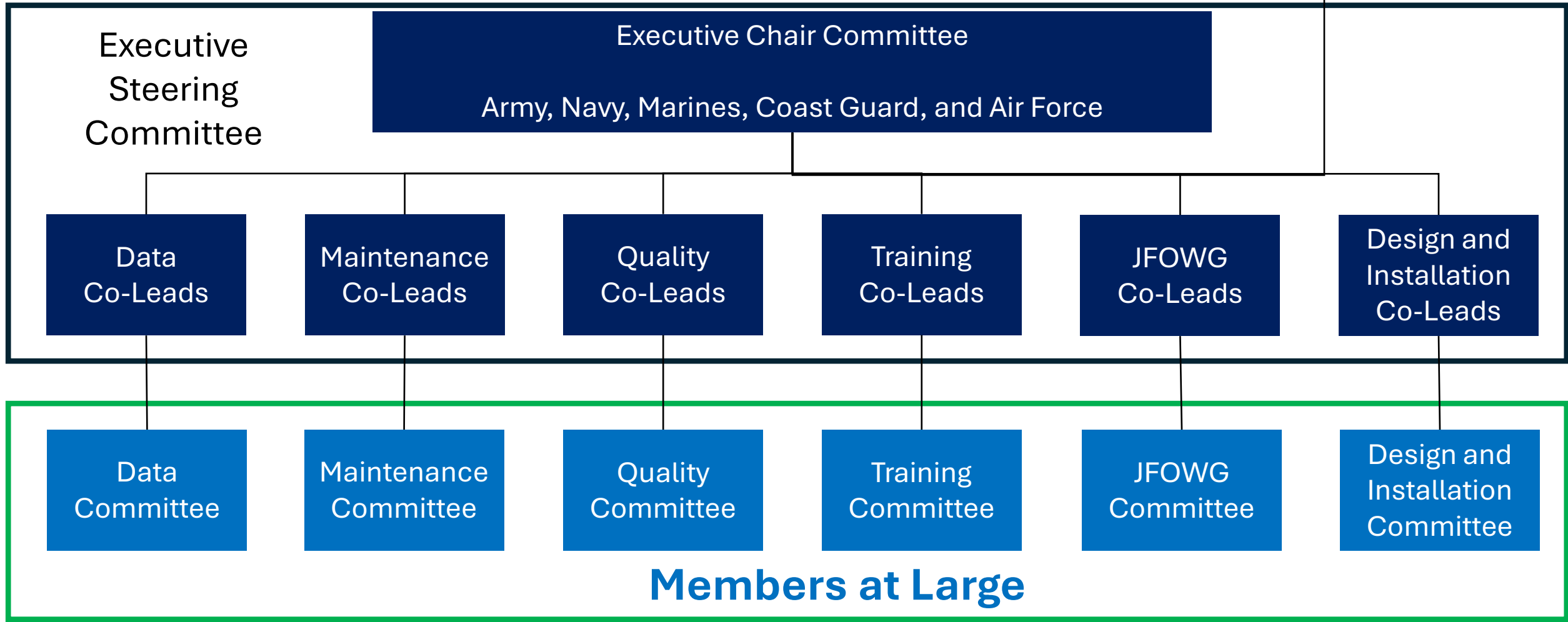
JSWAG Organization





Organizational Chart

Admin





Executive Chair Committee

Oversees and organizes the operation of the JSWAG committees

The ECC is the governing body ensuring cross service collaboration on Electrical Wiring Integration Systems (EWIS) is maintained

EWIS – Known as Aircraft Wiring, is defined as any wire, fiber optic link, wiring, or fiber device, or a combination of these items (including terminations) installed in any area of the aircraft for the purpose of transmitting electrical energy, signals, or data between two or more electrical end points

Army Chair: Shane Lege

Navy Chair: Henry Abel

Marine Corps Chair: John Dahl

Coast Guard Chair: Marshall Stevenson

Air Force Chair: Corey Boltz



Data Analysis Committee

The JSWAG Data Analysis Committee provides a cross-service coordination forum to ensure expeditious improvements for identifying deficiencies, improvement processes, and data capturing/monitoring solutions around conductive path maintenance

By leading and coordinating efforts to improve the data analysis and reporting of trended maintenance data (work unit code, malfunction codes, automatic wire test set data, etc.), the committee aims to rapidly deploy cross service solutions to reduce maintenance costs and safety risks while improving mission capability and aircraft reliability/availability

Army Co-Lead: Richard Knox (Primary)
Army Co-Lead: Candice Patterson (Alternate)

Navy Co-Lead: Capt Brian Wilson
Navy Co-Lead: [Vacant](#) (Alternate)

Marine Corps: Co-Lead: [Vacant](#)

Coast Guard Co-Lead: [Vacant](#)

Air Force Co-Lead: Cheryl Brotherton (Primary)
Air Force Co-Lead: Paul Beseth (Alternate)



Design and Installation Committee

The JSWAG Design and Installation Committee provides a cross-service coordination forum to ensure expeditious improvements of user design and installation requirements of EWIS components

This committee aids in the development, and updates, of technical manuals, specifications, standards, handbooks, and technical memos and evaluations

Lastly, the Design and Installation Committee provides lessons learned to DoD and DHS engineers and maintainers to support future designs

Army Co-Lead: Samuel Worley (Primary)

Army Co-Lead: [Vacant](#) (Alternate)

Coast Guard Co-Lead: Jenifer Gerhardy (Primary)

Coast Guard Co-Lead: [Vacant](#) (Alternate)

Navy Co-Lead: [Vacant](#)

Air Force Co-Lead: Chris Kusak (Primary)

Air Force Co-Lead: [Vacant](#) (Alternate)

Marine Corps: Co-Lead: [Vacant](#)



Joint Fiber Optic Working Group (JFOWG) Committee



The JFOWG provides a cross-service coordination forum to ensure expeditious improvements for identifying deficiencies and developing solutions in the areas of fiber optic cable and support equipment in order to:

Promote standardization, reduce maintenance man-hours, reduce total ownership costs, improve safety of flight, up-channel system and component problems, established joint service approach for fiber optic systems, and provide specification guidance across services

Army Co-Lead: Jason Swafford (Primary)
Army Co-Lead: Matthew Backus (Alternate)

Navy Co-Lead: Maxim Sosna (Primary)
Navy Co-Lead: Mark Logan (Alternate)

Marine Corps: Co-Lead: [Vacant](#)

Coast Guard Co-Lead: [Vacant](#)

Air Force Co-Lead: [Vacant](#)



Maintenance Committee

The JSWAG Maintenance Committee provides a cross-service coordination forum to ensure expeditious improvements for uniformed and/or government maintainers to recommend review of processes, procedures, policy, identify deficiencies and recommend process improvements, as they affect aircraft wiring and interconnect systems

The Maintenance Committee supports the JSWAG mission by innovating and improving aircraft sustainment policies, practices and resources that reduce cost and mishaps while improving maintenance efficiency and aircraft readiness across services

Army Co-Lead: David Winters (Primary)
Army Co-Lead: Randall Wear (Alternate)

Coast Guard Co-Lead: Joe Liddon (Primary)
Coast Guard Co-Lead: [Vacant](#) (Alternate)

Navy Co-Lead: Blayne Lum (Primary)
Navy Co-Lead: [Vacant](#) (Alternate)

Air Force Co-Lead: Brock Felgenhauer (Primary)
Air Force Co-Lead: [Vacant](#) (Alternate)

Marine Corps: Co-Lead: Matthew Jackson (Primary)
Marine Corps: Co-Lead: Ryan Bottoms (Alternate)



Quality Committee

The JSWAG Quality Wiring Components Committee provides a cross-service coordination forum to ensure expeditious improvements for technical interchange among the industrial, fleet/uniformed maintainers and product support activities on wiring systems

This committee addresses the component specifications, qualification programs and coordination need across services

Army Co-Lead: [Vacant](#)

Coast Guard Co-Lead: [Vacant](#)

Navy Co-Lead: Kevin Rickard (Primary)

Air Force Co-Lead: Brad Steiner (Primary)

Navy Co-Lead: Robert Solomon (Alternate)

Air Force Co-Lead: Travis Franck (Alternate)

Marine Corps: Co- Lead: [Vacant](#)

DLA Co-Lead: Shaokang Yuan



Training Committee

The JSWAG Training Committee provides a cross-service coordination forum to ensure expeditious improvements for exchange of information for the purpose of identifying and resolving training problems

The training committee goals are to identify and recommend potential solutions, and to seek out potential/new training options (Virtual Reality, etc.)

Army Co-Lead: CW4 Heredia Sanchez (Primary)

Army Co-Lead: [Vacant](#) (Alternate)

Navy Co-Lead: [Vacant](#)

Marine Corps: Co- Lead: [Vacant](#)

Coast Guard Co-Lead: [Vacant](#)

Air Force Co-Lead: [Vacant](#)



Questions