

ARSAG Workshop / Joint Standardization Board (JSB)



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JSB Chair

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Interoperability

Compatibility

Safety

Capability

ARSAG JSB Products = COMMON FOUNDATION







An E-2D Advanced Hawkeye with VAW-120 is refueled in the air. US Navy Photo





JSB Working Groups

- 1) Boom/Receptacle Components & Verification Methods**
- 2) Probe/Drogue Components & Verification Methods**
- 3) Formation Aids, Markings and Lighting**
- 4) Maintenance and Ground Support Equipment**
- 5) Clearance Processes and Procedures**
- 6) System Requirements and Verification Methods**
- 7) Automated Aerial Refueling**



Completed & Released ARSAG Documents 2022 to Present

- **MIL-PRF-25161D MA-2 Nozzle Specification**
- **MS 24356 Nozzle—Type MA-2, Revision**
- **Ground Support Equipment for Aerial Refueling Systems**
- **Aerial Refueling Tanker & Receiver Similarity Criteria**
- **Aerial Refueling Clearance Process Guide**
- **Aerial Refueling Modeling & Simulation Guide**



ARSAG WORKSHOP JSB IN-WORK DOCUMENTS (WD)

Working Group	ARSAG Document No.	Document Name
1	67-22-25WD	Technical Considerations for Boom Automatization
	44-15-25WD	Boom Nozzle (Advanced) MIL-PRF Specification
2	58-20-25WD	MA-4 Coupling Military Specification
	13-14-16R1-25WD	MA-5 Coupling MIL-PRF-57267; Revision
	63-20-25WD	MA-3 Coupling MIL-PRF-81975; Revision
	68-23-25WD	Aerial Refueling Hose MIL-H-4495; Revision
	N/A	MA-2 Coupling MIL-DTL-25162 - Reinstate
3	06-06-25WD	AR Formation Aids Guide
	56-18-25WD	Remote Vision Systems Guide
	05-05-25WD	Hose Color and Markings for Drogue Aerial Refueling Systems Guide



ARSAG WORKSHOP JSB IN-WORK DOCUMENTS (WD)

Working Group	ARSAG Document No.	Document Name
4	12-06-25WD	Aerial Refueling Equipment Reference Guide
	62-21-25WD	ARSAG Glossary of Aerial Refueling Definitions & Terms
5	69-23-25WD	Operational Compatibility Assessment Guide
	70-23-25WD	Continuous Technical Compatibility Assessment Validity Process Guide
	64-08-25WD	AR Compatibility Assessment Checklist
	17-81-03R2-25WD	Standardized Technical Data Survey (STDS)
	53-18-25WD	AR Technical Interface Data Acquisition Guide
	71-26-27WD	Recommendations to Certification Specifications for AAR



ARSAG WORKSHOP JSB IN-WORK DOCUMENTS (WD)

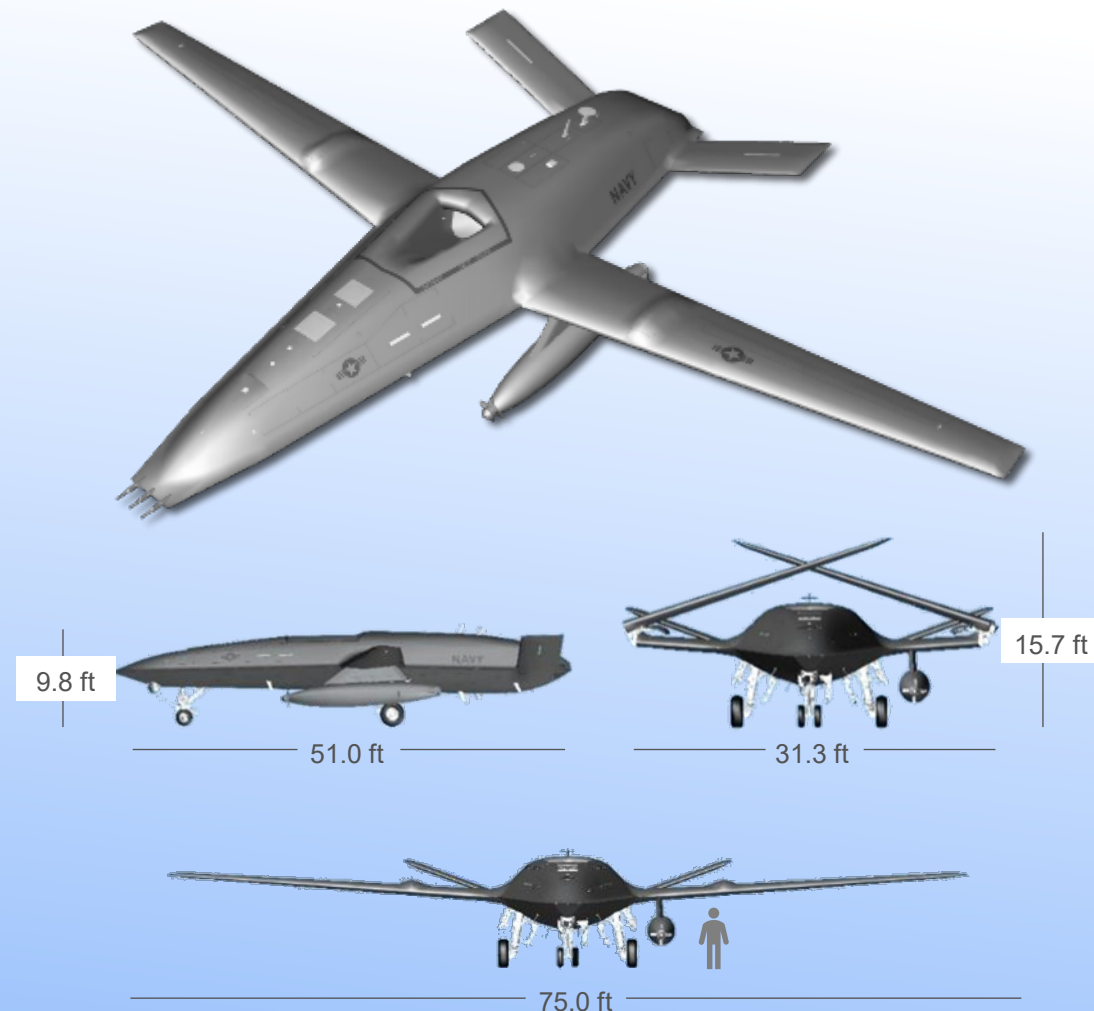
Working Group	ARSAG Document No.	Document Name
6	57-18-26WD	AR Probe/Drogue Interface & System Requirements
	20-08-17R1-26WD	Aerial Refueling Boom /Receptacle Guide; Revision
	02-88-12R3-26WD	AR Boom/Receptacle Interface & System Requirements; Revision
	41-09-15R1-26WD	AR Test Methods Guide; Revision
	52-18-25WD	AR Documents Reference Guide
	65-21-25WD	Electromagnetic Environmental-Effects (EEE) on AR Pairs
	54-18-22R2-26WD	Aerial Refueling Modeling & Simulation, Revision
	03-00-03R2-25WD	AR Pressure Definitions & Terms, Design & Verification Guide; Revision
7	72-26-27WD	Technical Considerations for Automated Aerial Refueling



MQ-25A Stingray

AIRCRAFT CAPABILITIES

- Primary mission: aerial refueling will
 - Increase the number of F/A-18s available for strike fighter missions
 - Improve the performance, efficiency and safety of the Carrier Air Wing
 - Greater fuel offload and range than current carrier-based tankers



The MQ-25 will provide an aerial refueling capability that extends the range, operational capability and lethality of the Carrier Air Wing and Carrier Strike Group. This is a critical capability for future high-end conflicts in the Pacific region.



What MQ-25A brings to the fleet

Unmanned Carrier Aviation is the pathfinder to the Air Wing of the Future

MQ-25A will significantly extend the range of the carrier strike group



Unmanned Carrier Aviation establishes the foundation for Manned-Unmanned Teaming and autonomous operations from the aircraft carrier as the world's first carrier-based, unmanned aircraft.