

Joint Service Aircrew Mask–Rotary Wing (JSAM RW) (MPU-5)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Provides individual respiratory, ocular, and percutaneous protection for general purpose rotary wing aircrews against chemical/biological (CB) agents, toxic industrial materials, and radioactive particulate matter.

DESCRIPTION

The Joint Service Aircrew Mask–Rotary Wing (JSAM RW) is a part of the JSAM Family of Systems and will replace the currently fielded legacy non-Apache Aircrew Chemical-Biological Masks. The mask components will be optimized to minimize impact on the wearer's performance, maximize ability to interface with aircrew protective clothing, and provide improved field-of-view when compared to current aircrew protective masks. The JSAM provides core CB protective capabilities that are tailored to the RW airframes:

- Capable of being donned and doffed while in flight
- Flame retardant hood
- Continuous 16-hour CB protection
- Greater comfort and less physiological burden for aircrew

- Greater flexibility of use with man-mounted systems
- Compatible with appropriate aircraft life-support equipment
- No aircraft modifications required

It will be worn as part of the Air Warrior System ensemble in Force Protection (FP) conditions 1-3 and worn with the Aircrew Integrated Recovery Survival Armor Vest and Equipment (AIRSAVE) vest in FP 4 to increase an aviator's effectiveness in a CB environment. JSAM RW will be worn primarily by individuals on flying status whose primary duty is serving as a flight crew member.

The JSAM RW will integrate with aircraft subsystems of Aircrew Life Support Equipment, seating, portable aircrew systems, restraint systems, night vision goggles, sighting systems, communications systems, and aircraft mounted oxygen systems. Integration with aircraft and aircraft subsystems will follow applicable aircraft, safety, and airworthiness certification processes.

SYSTEM INTERDEPENDENCIES

In this Publication

Air Warrior (AW), Black Hawk/UH-60, CH-47F Chinook, Kiowa Warrior

PROGRAM STATUS

- **1QFY12-4QFY12:** Developmental testing

PROJECTED ACTIVITIES

- **1QFY14:** Milestone C Low-rate initial production decision
- **1QFY15-2QFY15:** Multi-Service Operational Test and Evaluation

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



**Joint Service Aircrew Mask-
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FOREIGN MILITARY SALES
None

CONTRACTORS
Avox Systems (Lancaster, NY)

