



## Joint Service Aircrew Mask for Strategic Aircraft

### JSAM SA

#### Description

Joint Service Aircrew Mask for Strategic Aircraft (JSAM SA) is an affordable, above-the-neck Chemical Biological (CB) protective respirator that provides Pressure Breathing for Altitude (PBA) for fixed wing aircraft that do not require Pressure Breathing for Gravity. Approximately 75% less expensive than existing legacy masks and other alternative material solutions.

#### Mission

Allow DoD fixed-wing aircrew to continue their warfighting operations, while under threat from battlefield concentrations of CB warfare agents, radiological particulates, and toxic industrial chemicals/materials.

#### Capabilities

- Integrates with various fixed-wing aircraft subsystems, aircrew flight equipment, seating, portable aircrew systems, restraint systems, sighting systems, communications systems, and aircraft mounted oxygen systems
- Allows for middle-ear equalization procedures
- No aircraft modifications required
- Provides PBA up to 40,000 feet above sea-level
- Provides 12-hours of respiratory, ocular, and percutaneous protection from Chemical and Biological (CB) warfare agents, radiological particulates, and toxic industrial chemicals/materials
- Allows for body-mounted filter configuration reducing the head-borne weight
- Expected to replace the following legacy aircrew protective respirators:
  - USAF: MBU-19/P (Aircrew Eye & Respiratory Protection (AERP)) and MBU-13/P (First Generation Aircrew CBRN Equipment)
  - USN and USMC: A/P22P-14(V)1 (Non-Oxygen), A/P22P-14(V)2 (LOX), and A/P22P-14(V)3 (OBOGSA/P22P-14(V)4 Panel Mounted)



#### Users

US Navy, US Marine Corps, US Army, US Air Force

#### Status

Engineering and Manufacturing Development - Anticipated Fielding: FY 2017 Q4

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