



## Joint Service General Purpose Mask M50 & M51

### JSGPM M50 & M51

#### Description

The Joint Service General Purpose Mask (JSGPM) is a lightweight, protective mask system – consisting of mask, carrier and accessories – that incorporates state-of-the-art technology to protect U.S. forces from anticipated threats. There are two variants: M50 (ground) and M51 (vehicle). This mask replaces the M40 & M42, MCU-2/P Series Masks, and the M45 in the Land Warrior Program.

#### Mission

To provide face, eye and respiratory protection from battlefield concentrations of Chemical and Biological (CB) agents, toxins, toxic industrial materials and radiological particulate matter.

#### Capabilities

- ❑ Over 24 hours of above-the-neck protection from CB agents and radioactive particles
- ❑ Over 50% improvement in breathing resistance compared to legacy masks
- ❑ Overall field-of-view is greater than or equal to 80%
- ❑ Improved compatibility with current and emerging CB garments
- ❑ Improvements Over the MCU-2/P, M40/M42 and M45: ~ Reduced weight, bulk and lower breathing resistance ~ Increased drinking capability ~ Improved mask carrier system ~ Filter Service Life Indicator capability ~ Flame Resistant Hood for Combat Vehicle Version ~ Improved reliability, improved comfort ~ Filter change out in a contaminated environment (self-sealing valve)



#### Users

USSOCOM, US Navy, US Marine Corps, US Coast Guard, US Army, US Air Force

#### Status

Production and Deployment

This Fact Sheet was cleared for public release on 6/20/2016.

Point of Contact: Chemical, Biological, Radiological, & Nuclear Information Resource Center (CBRN IRC), CBRN.IRC@mail.mil,  
Toll Free: 1-800-831-4408, Commercial: (309) 782-7349, DSN: 793-7349, Fax: (309) 782-1919