



Aircrew Eye Respiratory Protection

AERP

Description

Aircrew Eye Respiratory Protection (AERP) provides aircrew with above-the-neck Chemical-Biological (CB) protection. AERP was first developed, tested and fielded during Operation Desert Storm. The AERP system includes a hood, MBU-12/P mask, C-2 filter, an intercom for ground communication and a blower assembly that provides de-misting. The AERP MODS program encompassed the modification effort of designated aircraft. AERP MODS modified the aircraft's oxygen, communication and electrical connections to accept the AERP equipment. It included the design and development of modification kits, procurement of the kits and the associated kit installation onto the aircraft.



Mission

To provide aircrew members above-the-neck CB agent protection.

Capabilities

- Integration with aircraft oxygen supply
- Under-the-helmet configuration
- Maintainable at unit level
- Communication integration
- Valsalva capability
- De-mist (anti-fogging) capability
- Portable battery-equipped blower unit for de-mist capability
- Improvements Over the MBU-13/P Aircrew CB Mask:
 - ~ Provides chemical vapor protection of aircrew member's head in and out of the cockpit
 - ~ Helmet and ground use intercom unit
 - ~ Valsalva capability and portable battery-equipped blower unit for de-mist capability
 - ~ Non-helmeted version

Users

US Air Force

Status

Sustainment

This Fact Sheet was cleared for public release on 5/11/2010.

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