

Joint Project Manager Protection



Protect One, Protect All

MISSION

Develop, field, and sustain Chemical, Biological, Radiological, and Nuclear (CBRN) protection and hazard mitigation capabilities for the nation and facilitate integration of CBRN survivability into non-CBRN programs.

VISION

Promote a creative and innovative workforce focused on acquiring capability to defend the nation against CBRN threats.

The Joint Project Manager Protection (JPM P) provides the Department of Defense and other customers, such as the Department of Homeland Security and Federal Bureau of Investigation, with the protection required to effectively conduct active combat, consequence management and homeland defense operations in CBRN environments. JPM P develops, fields, and sustains CBRN protection and hazard mitigation capabilities for the Nation. In addition, JPM P is the Major Defense Acquisition Program (MDAP) CBRN Survivability Trail Boss. The MDAP Trail Boss facilitates the research, development, testing, procurement, operations and sustainment, and delivery of CBRN survivability and force protection systems in support of all programs designated as CBRN mission critical and those requiring CBRN capabilities.

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Joint Project Manager Protection (JPM P)

Respirators



M50/M51; Joint Service General Purpose Mask (JSGPM)

JSGPM is a lightweight, state-of-the-art protective mask that provides above-the-neck, head, and eye/respirator protection against Chemical Biological (CB) agents, radioactive materials, and Toxic Industrial Chemical threats. It provides enhanced field-of-view and a reduction in breathing resistance over legacy mask systems. This mask is currently being fielded to all four Services – a first in the history of development and fielding.



M53; Chemical Biological Protective Mask
M53 is a positive pressure capable individual protection mask. It provides self-contained and powered air breathing system interfaces, increased visual field-of-view, reduced weapons systems sighting interference, and is compatible with Joint and Special Operations Forces distinct integrated ensembles.

Joint Service Aircrew Mask (JSAM) Family of Systems (FoS)

JSAM FoS consists of CB Protective masks that will provide head, eye, and respiratory protection for aircrews in Department of Defense aircraft. These masks will be compatible with the Joint Protective Aircrew Ensemble (JPACE).



MPU-6; Joint Service Aircrew Mask, Apache Variant

MPU-6 provides head, eye, and respiratory CB protection for U.S. Army AH-64 A/D aircrew. It is compatible with the Apache Integrated Helmet and Display Sighting System. It provides flame and thermal protection and reduces heat stress imposed by existing CB protective masks. The system is capable of being donned and doffed in-flight.



JSAM Rotary Wing (RW)

JSAM RW will be lightweight and provide in-flight donning and doffing capability in rotary wing aircraft. JSAM RW is scheduled to replace the United States Army (USA) M45 aircrew mask, the United States Air Force (USAF) M45 aircrew mask and MBU-19/P aircrew mask, the United States Navy (USN) and the United States Marine Corps (USMC) CB Respiratory System A/P22P-14(v) series aircrew masks.



JSAM Fixed Wing (FW)

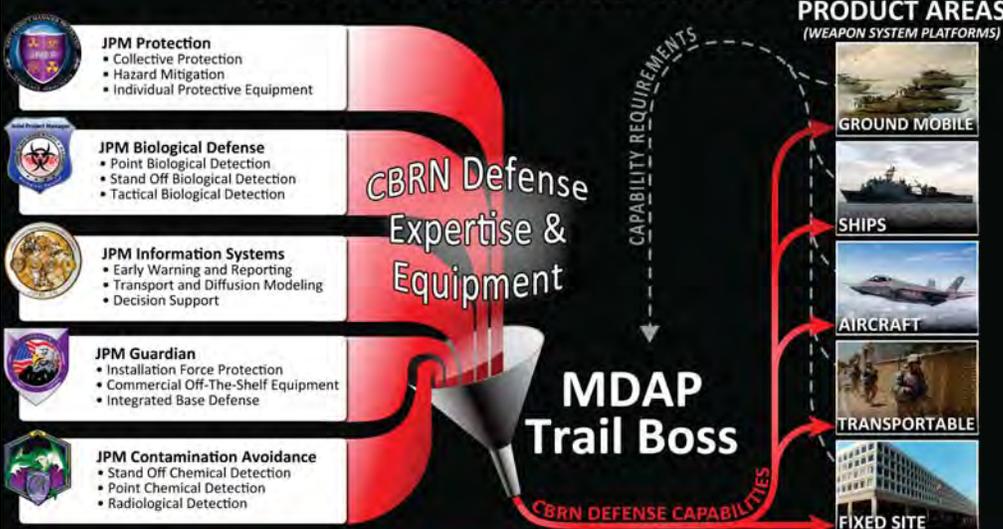
JSAM FW will provide simultaneous CB and Pressure Breathing for Gravity (PBG)/Pressure Breathing for Altitude (PBA) protection to aircrews in high performance fixed wing aircraft. JSAM FW is scheduled to replace the USA M45 aircrew mask, the USAF MBU-13/P and MBU-19/P aircrew mask as well as the USN and USMC CB Respiratory System A/P22P-14(v) series aircrew masks.



JSAM Joint Strike Fighter (JSF)

JSAM-JSF is being co-developed with the aircraft cockpit and provides protection specifically for the F-35.

MDAP Trail Boss Initiative



The MDAP CBRN Survivability Trail Boss is the JPEO-CBD single point of contact for assisting CBRN mission critical programs in meeting their CBRN requirements. The MDAP Trail Boss maximizes DoD return on investments by leveraging JPEO-CBD expertise and product portfolio to provide programs with CBRN survivability capabilities.

Maximize DoD Return on Investment by Leveraging the JPEO-CBD's Expertise and Product Portfolio to Provide Programs with CBRN Survivability Capabilities

Joint Project Manager Protection (JPM P)

Protection and Hazard Mitigation



Chemical Biological Protective Shelter (CBPS)

CBPS will be a rapidly deployable, collectively protected, and environmentally controlled transportable medical shelter (tent) system. The CBPS will provide forward deployed medical teams the capability to sustain medical treatment in a Chemically, Biologically and Radiologically (CBR) contaminated environment while unencumbered by Individual Protective Equipment.



Collectively Protected Field Hospital (CPFH)

The CPFH program procures collective protection components that are integrated into expeditionary field hospitals to provide a capability to sustain medical treatment in a CBR contaminated environment without the use of mission oriented protective posture gear. There are variants for the Army, Navy and Air Force.



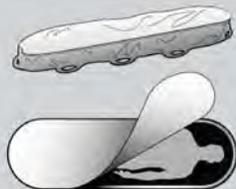
Uniform Integrated Protection Ensemble (UIPE)

UIPE will provide individual protective capabilities to the warfighter through reduction of physiological and psychological burdens associated with the weight, bulk, thermal strain, and encumbrance of wearing CBRN protective equipment. UIPE will afford protection from CB warfare agents and retain protection after exposure to petroleum, oils, lubricants and environmental contaminants.



Joint Expeditionary Collective Protection (JECF)

JECF Family of Systems will provide modular, transportable, and versatile collective protection capabilities to the Joint Expeditionary Forces. These systems will protect personnel and infrastructure from Chemical, Biological, Radiological and Toxic Industrial Material contamination during on the battlefield and during military operations other than war.



Contaminated Human Remains Pouch (CHRP)

CHRP will provide the capability to protect personnel handling chemical and biological warfare agents contaminated human remains. The CHRP will contain contaminated human remains from the point of fatality to the Mortuary Affairs activity.



Contamination Indicator Decontamination Assurance System (CIDAS)

CIDAS is a contamination indication technology and an applicator for use on tactical vehicles, shipboard surfaces, crew-served weapons, and individual personnel weapons that have been exposed to chemical contamination in hostile and non-hostile environments.



Joint Sensitive Equipment Wipe (JSEW)

JSEW will provide immediate/operational decontamination capabilities for sensitive and non-sensitive equipment in hostile and non-hostile environments that have been exposed to chemical and biological agents/contamination.



General Purpose Decontaminants (GPD)

GPD will provide thorough decontamination capabilities for tactical vehicles, shipboard surfaces, crew-served and individual weapons in hostile and non-hostile environments that have been exposed to chemical and biological contamination. GPD will also provide an immediate/operational chemical decontamination capability on aircraft exteriors.

Sustainment & Program Support

Individual Protection

Joint Service Lightweight Integrated Suit Technology (JSLIST)

JSLIST is a durable, launderable, protective suit providing protection against battlefield concentrations of known CBR threats.

Joint Protective Aircrew Ensemble (JPACE)

JPACE provides below-the-neck CB protection for aviators and aircrew personnel when worn in place of the flight suit or over the Chemical Protective Undergarment (CPU).

Joint Chemical/Biological Coverall for Combat Vehicle Crewmen (JC3)

JC3 provides CB agent and radiological particle protection for combat vehicle crewmen (CVC). It is a flame resistant (FR) garment made from Petroleum, Oil and Lubricant (POL) resistant Selectively Permeable Membrane (SPM) material. The JC3 design mimics the current non-CB protective coverall.

M40 Field Protective Mask (FPM)

M40 FPM is a silicone Chemical, Biological, Radiological, and Nuclear (CBRN) protective mask that provides improved comfort, fit, and protection.

A/P22P-14(V) FPM

A/P22P-14(V) FPM is an USN and USMC aircrew CB protective respirator mask assembly that protects the respiratory tract, eyes, head, neck and shoulders against CB and particulate radiological contamination threats.

M45 FPM

M45 FPM is an USA aircrew and specialized personnel CBRN protective mask system that provides above-the-neck, head, eye and respiratory protection against CB agents, radioactive particles and Toxic Industrial Chemicals (TICs).

Test Equipment

M46; Joint Service Mask Leakage Tester (JSMLT)

M46 JSMLT is a portable, unit-employable device capable of determining serviceability, proper fit and identifying defective components of current and future CBRN protective masks. It provides a capability to quantitatively test protective masks for defects and to assess the fit of a mask on an individual. This device is also the industry standard for all current mask developers.

M41; Protective Assessment Test System (PATS)

M41 PATS is a portable COTS device that tests the seal between the mask and face, providing a quantitative indication of mask fit within minutes.

Hazard Mitigation

M295; Individual Equipment Decontamination Kit (IEDK)

The M295 is used for the immediate decontamination of individual equipment when it has been contaminated by liquid chemical agents. The M295 provides the ability to decontaminate personal equipment quickly and easily for removal of liquid contamination.

Hazard Mitigation Continued

M100; Sorbent Decon System (SDS)

M100; SDS uses a reactive sorbent powder to remove and neutralize chemical agent from surfaces. It provides vehicle and crew served weapon operators the capability to perform operator wipe down during immediate decontamination operations.

Reactive Skin Decontamination Lotion (RSDL)

The Joint Service Personnel/Skin Decontamination System (JSPDS) employs RSDL, a Food and Drug Administration cleared, individually carried, skin decontamination kit (applicator and decontaminant). RSDL provides the warfighter with improved capability over the existing M291 Skin Decontaminating Kit (SDK) to reduce lethal and performance degrading effects of chemical warfare agents.

M26; Joint Service - Transportable Decon System - Small Scale (JS-TDS-SS)

M26 JS-TDS-SS is a transportable decontamination platform used to conduct operational decontamination and support thorough decontamination operations. The M26 consists of an applicator module, accessory kit, and 3,000 gallon blivet.

Collective Protection

M20A1; Simplified Collective Protection Equipment (SCPE)

The M20A1; SCPE is a lightweight, low cost, modular collective protection capability deployed inside a room or building. The system provides a Chemical, Biological, and Radiological (CBR) contamination free area for up to 10 individuals for operations that include Command and Control and Rest and Relief.

M28; Collective Protection Equipment (CPE)

The M28; CPE is a component modular chemical and biological protective tent liner sections, support kit with motor blower, 200 CFM filters, recirculation filters, and pressurized protective entrances for personnel, litter patients, and supplies.

M8; Chemical Biological Protection System (CBPS)

The M8; CBPS is a mobile, self contained, rapidly deployable, chemically and biologically protected shelter that provides a contamination free, environmentally controlled area for USA Echelon I and II medical units.

Integrated Collective Protection

Integrated Collective Protection provides ships and fixed facilities protection from CBR contamination during and after a CBR event. Major components include collective protection filters, filter housings, high pressure fans, air locks, pressure locks, zone pressure relief valves, and zone pressure alarms.

Shipboard Collective Protection Systems (CPS)

Shipboard CPS provides protection against CBR contamination to designated ship spaces without the need for individual protective equipment during or after a CBR event. Major components include M98 filters, filter housings, high pressure fans, air locks, pressure locks, zone pressure relief valves, and zone pressure alarms.

Collective Protection Filters

Collective Protection Filters are a range of HEPA and carbon filters that may be utilized on a variety of platforms with associated collective protection systems to remove CBR contaminants from the airstream. The larger filters are modular, which allows systems to be constructed to meet any airflow requirement.