

Sustainment (Continued)

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.

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

JC3 provides CB agent and radiological particle protection for combat vehicle crewmen. It is a flame resistant garment made from a petroleum, oil, and lubricant resistant, selectively permeable membrane material. The JC3 design mimics the current non-CB protective coverall.

All Purpose-Personal Protective Ensemble (AP-PPE)

AP-PPE is a state-of-the-art CB protective garment system developed for Special Operations Forces. This system incorporates barrier material technologies to block harmful hazards while still allowing sweat to escape, improving operational suitability for the warfighter.

JSLIST Block 2 Glove Upgrade non-Flame Resistant (JB2GU nFR)

JB2GU nFR is a CB protective item providing hand protection from liquid, vapor, and aerosol CB hazards. A component of the JSLIST ensemble, it offers increased tactility/dexterity and an inner chemical protective liner for sweat management.

Alternative Footwear Solutions (AFS)

AFS is a protective overboot worn over normal combat footwear to provide foot protection against liquid, dust, particulate, or sporulated toxic material, CB warfare agents, and radiological fallout particles when worn as part of the JSLIST, JPACE, or JC3.

Alternative Footwear Solutions-Special Operations Variant (AFS-SV)

AFS-SV provides Special Operations Forces personnel with foot protection from CB and environmental contaminants when worn as part of a total CB ensemble. It is issued as part of the AP-PPE and is interoperable with existing special operations and joint operational CB defense equipment.

Integrated Footwear System (IFS)

IFS is a sock/liner system worn under normal combat footwear to provide CB protection to the foot. It is issued as a component of the JSLIST and the JPACE to meet CB footwear protection requirements of the U.S. Navy and U.S. Marine Corps Aviation and USSOCOM.

Hazard Mitigation

M295; Individual Equipment Decontamination Kit (IEDK)

M295 IEDK is used for the immediate decontamination of individual equipment contaminated by liquid chemical agents. The M295 quickly and easily removes 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 wipe down equipment during immediate decontamination operations.

Reactive Skin Decontamination Lotion (RSDL)

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

M26; Decontamination Apparatus: Joint Service Transportable Small Scale

M26 is a transportable decontamination platform used to conduct operational decontamination and to 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)

M20A1 SCPE is a lightweight, low cost, modular collective protection capability deployed inside a room or building. The system provides a CBR contamination-free area for up to 10 individuals during Command and Control and Rest and Relief operations.

M28; Collective Protection Equipment (CPE)

M28 CPE consists of component modular CB 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)

M8 CBPS is a mobile, self-contained, rapidly deployable, CB protective shelter that provides a contamination free, environmentally controlled area for USA Echelon I and II medical units.

Shipboard Collective Protection Systems (CPS)

Shipboard CPS provides protection against CBR contamination to designated ship spaces, eliminating 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.

Joint Project Manager Protection



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 for 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.

50 Tech Parkway, Suite 301
Stafford, VA 22556
(703) 617-2400
www.jpocbd.osd.mil

DISTRIBUTION STATEMENT A – Approved by JPM P for public release

Joint Project Manager Protection (JPM P) Programs

Research and Development

Respirators



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 M45 aircrew mask, the MBU-19/P aircrew mask, and the chemical and biological (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/Pressure Breathing for Altitude protection to aircrews in high performance fixed wing aircraft.



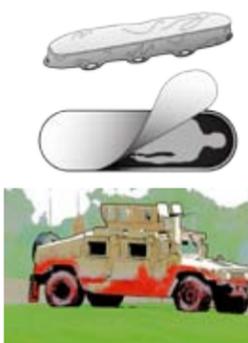
JSAM Joint Strike Fighter (JSF)
JSAM-JSF is being co-developed with the aircraft cockpit and will provide JSF (F-35) pilots with above-the-neck percutaneous, ocular, and respiratory CB protection.

Individual Protection



Uniform Integrated Protection Ensemble increment 1 (UIPE Incr 1)
UIPE Incr 1 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 Incr 1 will afford protection from CB warfare agents and retain protection after exposure to petroleum, oils, lubricants, and environmental contaminants.

Hazard Mitigation



Contaminated Human Remains Pouch (CHRP)
CHRP will provide the capability to protect personnel handling human remains contaminated by CB warfare agents. 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 Service Equipment Wipe (JSEW)
JSEW will provide immediate/operational decontamination capabilities for sensitive and non-sensitive equipment that have been exposed to CB agents/contamination in hostile and non-hostile environments.



General Purpose Decontaminants (GPD)
GPD will provide thorough decontamination capabilities for tactical vehicles, shipboard surfaces, and crew-served and individual weapons that have been exposed to CB contamination in hostile and non-hostile environments.

Collective Protection



Joint Expeditionary Collective Protection (JCEP)
JCEP 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, and radiological (CBR) and toxic industrial material contamination on the battlefield and during other military operations.

Production

Respirators



JSAM Apache
JSAM Apache 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.



M50/M51; Joint Service General Purpose Mask (JSGPM)
M50/M51 JSGPM is a lightweight, state-of-the-art protective mask that provides above-the-neck head, eye, and respiratory protection against CB agents, radioactive materials, and toxic industrial chemical (TIC) 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 field-of-view, reduced weapons systems sighting interference, and compatibility with both Joint and Special Operations Forces distinct integrated ensembles.

Collective Protection



Shipboard Collective Protection System Backfit (CPS-BKFT)
The CPS-BKFT program designs, procures, fields, and provides life cycle oversight of collective protection equipment and systems on U.S. Navy amphibious ships. The system provides a contaminant-free area to protect personnel and equipment against CBR threats without the need for individual protective equipment. Toxic-free zones are created in critical areas such as medical, command and control, rest and relief, and casualty collecting areas.



M8E1; Chemical Biological Protective Shelter (CBPS)
M8E1 CBPS is a rapidly deployable, collectively protected, and environmentally controlled transportable medical shelter (tent) system. The CBPS provides forward deployed medical teams the capability to sustain medical treatment in a 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 U.S. Army, U.S. Navy, and U.S. Air Force.

Sustainment

Respirators



M40 Field Protective Mask (FPM)
M40 FPM is a silicone CBRN protective mask that provides improved comfort, fit, and protection.



A/P22P-14(V) FPM
A/P22P-14(V) FPM is a U.S. Navy and U.S. Marine Corps 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 a U.S. Army aircrew and specialized personnel CBRN protective mask system that provides above-the-neck, head, eye, and respiratory protection against CB agents, radioactive particles, and TICs.



M52; Joint Service Chemical Environment Survivability Mask (JSCESM)
M52 JSCESM is an inexpensive Commercial Off-The-Shelf (COTS) mask that is a lightweight, disposable, one-size-fits-all solution for protection against low-level threat CBRN attacks during emergency escape situations, such as emergency evacuations and non-combatant operations.

Test Equipment



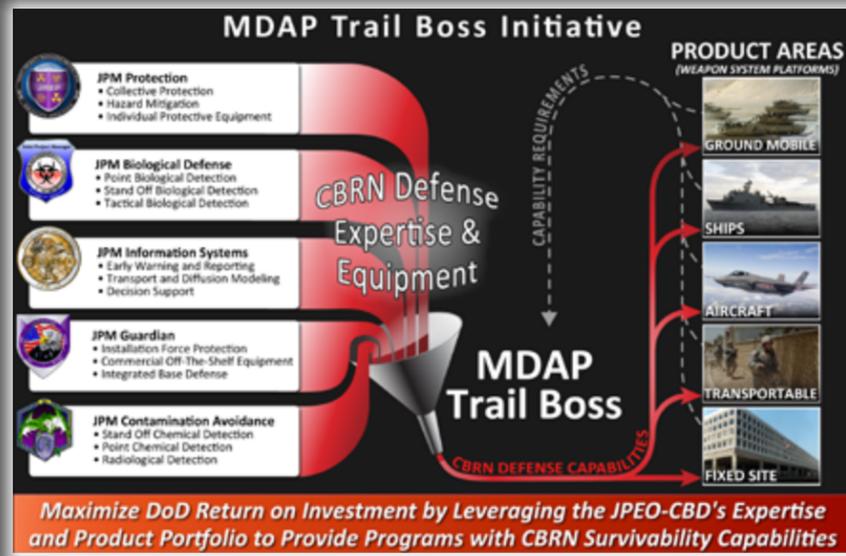
M46; Joint Service Mask Leakage Tester (JSMLT)
M46 JSMLT is a portable, unit-employable device capable of determining serviceability, proper fit, and defective components of current and future CBRN protective masks. It provides a capability to quantitatively test CB protective masks for defects and to assess the fit of a mask on an individual. This device is also the industry standard for current CB protective 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.

[More Sustainment programs >>](#)

MDAP Trail Boss Initiative



The MDAP CBRN Survivability Trail Boss is the Joint Program Executive Office for Chemical and Biological Defense (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's expertise and product portfolio to provide programs with CBRN survivability capabilities.