

Sustainment (Continued)

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.



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.



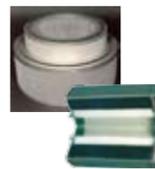
M28; Collective Protection Equipment (CPE)
M28 CPE consists of component modular CB protective tent liner sections, support kit with motor blower, 200 cfm filters, recirculation filters, and pressurized protective entrances for personnel, litter patients, and supplies.



M8; Chemical Biological Protective Shelter (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 space, 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.

Sustainment (Continued)

Collective Protection (Continued)



Collectively Protected Field Hospital (CPFH)
The CPFH program procures collective protection components that are integrated into expeditionary field hospitals to provide 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.



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.

Joint Urgent Operational Needs Statement (JUONS)



Transport Isolation System (TIS)
The TIS is designed to maintain infection control during aeromedical evacuation of asymptomatic, infected, or symptomatic patients with known or suspected exposure to contagious and infectious diseases while protecting the Aero-medical Evacuation Team (AET), flight crew and airframe. The flight crew and AET are protected from exposure without being required to wear Personnel Protective Equipment (PPE) when not engaged in direct patient care activities. The TIS has been design to be interoperable with the C-17 and C-130 aircrafts.



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.

Future Efforts

- Next Generation Personnel Decontamination (NGPDC)
- Joint Strippable Contamination Mitigation Coatings (JSCMC)
- Mass Casualty Decontamination (MCD)
- Collective and Individual Protection Modernization



JOINT PROJECT MANAGER PROTECTION



MISSION

Provide chemical, biological, radiological and nuclear protection and hazard mitigation capabilities to the Warfighter.

VISION

A high performing innovative acquisition workforce providing affordable and effective holistic solutions that eliminate chemical, biological, radiological and nuclear burdens.

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.

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Joint Project Manager Protection (JPM P) Programs

Engineering Manufacturing & Development

Respirators



JSAM Tactical Aircraft (JSAM TA)
JSAM TA will provide simultaneous chemical/biological and pressure breathing for gravity/pressure breathing for altitude protection to aircrews in high performance fixed wing aircraft.



JSAM Joint Strike Fighter
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 protection.

Individual Protection

Uniform Integrated Protection Ensemble Family of Systems (FoS)

The UIPE FoS program will develop, integrate, test, procure, and field incremental capability solutions that are modular in function and offer alternatives to current systems. The program will explore trade-space in areas such as protection level, protection time, heat stress, durability, flame resistance, and cost in order to provide capabilities that afford maximum utility to the Warfighter. A Family of Systems approach will be considered to address the full spectrum of CBRN protection across the DoD.



Hazard Mitigation

Contamination Indicator Decontamination Assurance System (CIDAS)

CIDAS will provide contamination indication/decontamination assurance technology and applicators for visually indicating traditional and non-traditional Chemical Warfare Agents on tactical vehicles, aircraft, ships, and weapons that may have been exposed to chemical contamination.



Joint Biological Agent Decontamination System (JBADS)

JBADS is intended to provide an aircraft biological decontamination capability that provides for response and recovery efforts to be performed within acceptable hazard levels to enable mission continuation, save lives and limit contamination spread. JBADS will provide an integrated Biological Thermal Decontamination system and aircraft



Production & Deployment

Respirators



MPU-5; JSAM Rotary Wing (RW)
JSAM RW provides above-the-neck chemical biological protection for general purpose rotary wing aircrew with the exception of the AH-64 Apache and the V-22 Osprey; capable of being donned and doffed while in flight. JSAM RW allows aircrew to fly unencumbered and improves integration with aircraft and aircrew equipment. JSAM RW is scheduled to replace the M45 aircrew mask, MBU-19/P aircrew mask and A/P220-14(v) series aviation masks.

Production & Deployment (Continued)

Respirators (Continued)



M69; JSAM Strategic Aircraft (JSAM SA)
JSAM SA will provide above-the-neck chemical biological protective respirator that provides Pressure Breathing for fixed wing aircraft that do not require Pressure Breathing for Gravity.



M50/M51 Joint Service General Purpose Mask (JSGPM)
JSGPM is a lightweight, state-of-the-art protective mask that provides above-the-neck head, eye, and respiratory protection against Chemical/Biological agents, radioactive materials, and toxic industrial chemical threats. It provides enhanced field-of-view and reduced breathing resistance over legacy mask systems. This mask is currently being fielded to all four Services - a first in the history of the development of Defense. M50 is for ground use and M51 for vehicle use.

Individual Protection

Uniform Integrated Protection Ensemble Increment 1 (UIPE Incr 1)

UIPE Incr 1 will provides individual protection capabilities 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

Joint General Purpose Decontaminants for Hardened Military Equipment (JGPD-HME)

JGPD-HME will provide thorough decontamination capabilities, compatible with the M26, for tactical vehicles, shipboard surfaces, as well as, crew-served and individual weapons in hostile and non-hostile environments that have been exposed to Chemical/Biological agents/contamination.



Joint Service 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 traditional and non-traditional chemical agents/contamination.



Collective Protection

M8E1; Chemical Biological Protective Shelter (CBPS)

ME81 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.



Joint Expeditionary Collective Protection (JECP)

JECP Family of Systems provides modular, transportable and versatile collective protection capabilities to the Joint Expeditionary Forces. These systems will protect personnel and infrastructure from chemical, biological, and radiological, as well as, toxic industrial material contamination on the battlefield and during other military operations.



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 on threats.



M45 FPM
JM45 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,



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.



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.



M52; Joint Service Chemical Environment Survivability Mask (JSCESM)
M52 JSCESM is an inexpensive Commercial Off-The-Shelf (COTS) mask that is 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.



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; Protection Assessment Test System (PATS)
JM41 PATS is a portable COTS device that tests the seal between the mask and face, providing a quantitative indication of mask fit within minutes.

Sustainment (Continued)

Individual Protection



Joint Service Lightweight Integrated Suit Technology (JLIST)
JLIST 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 Operation Forces. This system incorporates barrier material technologies to block harmful hazards while still allowing sweat to escape, improving operational suitability for the warfighter.



JLIST 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 JLIST ensemble, it offers increased dexterity and an inner chemical protective liner for sweat management.



Alternative Footwear Solutions (AFS)
AFS is a protective over boot 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 JLIST, 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 JLIST and the JPACE to meet CB footwear protection requirements of the U.S. Navy and U.S. Marine Corps Aviation and USSOCOM.