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HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380-0001

NORMAL

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OCT 1 3 2010

U. S. MARINE CORPS TECHNICAL INSTRUCTION

SERVICEABILITY STANDARDS CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR EQUIPMENT

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1. Purpose. To provide instructions for:

a. General information concerning the storage, handling and disposal of Chemical, Biological, Radiological, and Nuclear (CBRN) equipment.

b. Identify criteria to perform visual inspections for serviceability on CBRN equipment.

c. Identify criteria to perform functional inspections on applicable CBRN equipment upon issue.

2. Cancellation. TI-10010-20/5C

3. Summary of Revision. This revision provides updated criteria and should be reviewed in its entirety.

4. Information

a. Marine Corps Systems Command's (MCSC) Program Manager, Combat Support Equipment (PM CSE) is the responsible agency for the Total Life Cycle Systems Management (TLCSM) of all CBRN equipment within the Marine Corps. Any comments, requests, or suggestions may be submitted to the following email account for action; cbrn_office@usmc.mil.

b. Marine Corps Logistics Command's (MCLC) Program Manager, Consolidated Storage Program (PM CSP) is the responsible agency for conducting maintenance and serviceability checks of all CBRN equipment stored in the CSP and War Reserve.

c. The Unit Commander is responsible for maintenance and serviceability of all CBRN equipment issued and held at the unit level.

5. Application. Contents of this Technical Instruction (TI) provide general instructions, terms and definitions to ensure CBRN equipment serviceability and functionality. Specific concerns for CBRN equipment not covered within this TI will require further analysis by reviewing the associated Technical Manual (TM).

6. Action

a. Marine Corps Systems Command PM CSE

(1) Is responsible for ensuring compliance with the established criteria for maintenance, inspection and serviceability of CBRN equipment throughout the Marine Corps.

(2) Is responsible for implementing and validating all updates and recommended changes to this TI.

(3) Will provide authorization for all CBRN equipment pending disposition and disposal.

(4) Will report the readiness of CBRN equipment.

(5) Will periodically inspect CBRN equipment to ensure maintenance and serviceability requirements of this TI are being met.

b. MCLC PM CSP/Unit Commanders

(1) Construct, submit, receive, distribute, monitor, and provide coordinating instructions on Product Quality Deficiency Reports (PQDRs) in coordination with PM CSE.

(2) PM CSE will provide access to real time reports necessary to evaluate readiness and determine funding requirements. Unit Commanders will use the Shelf Life File Record (SLFR) System when the Marine Corps automated system, such as the CBRN TRACKER or WXDEMP, is not available.

(3) Is responsible for conducting Preventative Maintenance Checks and Services (PMCS) on CBRN equipment stored within the CSP/Units.

(4) When required, submit for disposition or disposal instructions on CBRN equipment through the Recoverable Item Report (WIR) system.

7. Coordinating Instructions

a. Reports and Forms. All forms depicted in this instruction may be reproduced locally, except forms that contain an assigned National Stock Number (NSN)/Form Number. Those forms will be requisitioned through normal supply channels. Local records maintained in addition to those required by Marine Corps directives will be kept to the minimum necessary to satisfy unit or higher command information requirements.

b. Erroneous Omission. Submit notice of discrepancies or suggest changes on a Navy Marine Corps (NAVMC) 10772. The NAVMC 10772 may be submitted via the internet using the Marine Corps Logistics Command website at https:pubs.ala.usmc.mil, follow the instructions and click on NAVMC 10772. It may also be submitted by electronic mail to smb.log.tech.pubs.fct@usmc.mil, or by mailing a paper copy NAVMC 10772 in an envelope addressed to Commander, Marine Corps Systems Command, Attn: Assistant Commander Acquisition and Logistics (AC LCL/TP), 814 Radford Blvd, Suite 20343, Albany, GA 31704-0343.

BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

OFFICIAL

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SERVICEABILITY STANDARDS CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR EQUIPMENT

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CHAPTER 1

GENERAL INFORMATION

1-1 Purpose. To provide definitions and explanations of terms that are related to the life cycle logistics of the equipment discussed within this Technical Instruction (TI).

1-2. Definition. The following definitions are provided for informational knowledge of Chemical, Biological, Radiological and Nuclear (CBRN) equipment.

a. Cyclic Inspection. Inspection of material in storage is an extremely important step in the evaluation of material quality. In many instances, long periods elapse from the time of receipt of material by the storage activity until ultimate issue/shipment to the user. During this interim period, stored material must be systematically inspected to determine the condition and to detect degradation, corrosion, damage, and other deficiencies caused by improper storage methods, extended periods of storage, or by the inherent deterioration characteristics of the material. Cyclic inspection identifies those stocks which require corrective preservation and packing to ensure that material is maintained in a serviceable condition and identifies those assets which require condition reclassification to a lesser degree of serviceability per MCO 4450.14.

b. Demilitarization Code (DEMIL Code). Indicates the degree of required physical destruction, identifies items requiring specialized capabilities or procedures, and identifies items which do not require DEMIL. The Integrated Materiel Manager (IMM) or Equipment Specialist will assign the DEMIL code. It is used throughout the life cycle to identify the control requirements before the release of property from Department of Defense (DoD) control (Table 1-1 (DoD 4160.21-M-1)).

Table 1-1. DEMIL Codes

CODE	EXPLANATION
A	Non-MLI/Non-CCLI -- Demilitarization not required.
B	MLI (Non-SME) -- Demilitarization not required. Trade Securities Controls required at disposition.
C	MLI (SME) -- Remove and/or demilitarization installed key point(s), as prescribed in this manual, or lethal parts, components and accessories.
E	MLI (Non-SME) -- Total destruction of item and components so as to preclude restoration or repair to a usable condition by melting, curing, tearing, scratching, etc.
F	MLI (SME) -- Demilitarization instructions to be furnished by the Item/Technical Manager/Equipment Specialist.
G	MLI (SME) -- Demilitarization required – Ammunition, Explosives, and Dangerous Articles.
P	MLI (SME) -- Security Classified Item
Q	CCLI -- Commerce Control List Item

c. Expiration Date. The date by which non-extendable shelf life items (Type I) will be discarded as no longer suitable for issue/use.

d. Item Exit Date. The initiation date of any particular NSN configuration of an end item that is retired from the Marine Corps inventory. The responsibility for assigning the item exit date belongs to the Deputy Commandant for Combat Development and Integration (DC CD&I).

e. Inspection/Test Date. The date by which extendible (Type II) items should be subjected to visual inspection, certified laboratory tests or restoration.

f. Lot Numbers. A series of numbers or letters, or both, that are established to record the production and control of a product; also known as batch or identification control number.

g. Next Test Date (NTD). The date an item has been extended to after passing shelf life extension testing per applicable specifications and is considered to be serviceable for issue/use. If an item receives a NTD, it does not receive an expiration date because it may be extended again. The NTD and expected IED will be released through an official message and posted on the Joint Acquisition CBRN Knowledge System (JACKS) https://jacks.jpeocbd.army.mil/Jacks/login.fcc.

h. Product Quality Deficiency Report (PQDR, Standard Form 368). The PQDR program is a process that provides quality deficiency data to activities responsible for design, development, purchasing, production, maintenance, and contract administration, so that action may be initiated to determine cause, take corrective action, and prevent recurring deficiencies. See MCO 4855.10B and Appendix G for detailed instructions.

i. Serviceable. The item can be used as is (Condition Codes "A" through "D") (DLAI 4145.4).

j. Service Life. A general term used to quantify the average or standard life expectancy of an item or equipment while in use. When a shelf life item is unpacked and introduced to mission requirement, installed into intended application, left in storage, placed in pre-expended bins, or held as bench stock, shelf life management stops and service life begins. (Note: CBRN clothing and textiles/Type II kits are an exception and will continue to be subjected to cyclic inspections) (DoD 4140.27-M).

k. Shelf Life. The total period of time beginning with the date of manufacture, date of cure (elastomeric and rubber products only), date of assembly, or date of pack (subsistence only), and terminate by the date by which an item must be used (expiration date) or subject to inspection, test, restoration, or disposal action; or after inspection/laboratory test/ restorative action that an item may remain in the system and still be suitable for issue or use by the end user. Shelf life is not to be confused with Service Life (DoD 4140.27-M).

l. Shelf Life Code (SLC). A one-position code assigned to identify the period of time beginning with the date of manufacture, cure, assembly, or pack and terminated by the date by

which an item must be used (expiration date) or subjected to inspection, test, restoration, or disposal action. See Table 1-2 and DoD 4140.27M.

Table 1-2. Shelf Life Codes

SHELF LIFE PERIOD	TYPE I	TYPE II
Non-deteriorative No Shelf-Life Applies	0 (zero)	0 (zero)
12 months	H	4
18 months	K	5
24 months	M	6
30 months	P	N/A
36 months	Q	7
48 months	R	8
60 months	S	9
Shelf life period greater than 60 months for Type II extendable items.		X

m. Type I Shelf Life Item. A Type I Shelf Life Item is an individual item of supply, which is determined through an evaluation of technical test data and/or actual experience, to be an item with a definite non-extendible period of shelf life. One exception is Type I medical.

n. Type II Shelf Life Item. A Type II Shelf Life Item is an individual item of supply having an assigned shelf life time period that may be extended after completion of visual inspection/certified laboratory test, and/or restorative action. Shelf life extension updates will be announced via official message and posted on the JACKS website https://jacks.jpeocbd.army.mil/Jacks/login.fcc.

o. Shelf Life Program. A shelf life program is established to provide special emphasis for those items with known deteriorative characteristics and to reduce the risk of shelf life expiration. Internal management controls shall be established and maintained to monitor shelf life items throughout their supply chain (DoD 5010.38).

p. Supply Condition Code (C/C). A code assigned to classify materiel in terms of readiness for issue. Common codes and definitions are listed in Table 1-3 below (DoD 4000.25-2-M).

Table 1-3. Condition Codes

CODE	TITLE	DEFINITION
A	Serviceable (Issuable Without Qualification)	New, used, repaired, or reconditioned materiel which is serviceable and issuable to all customers w/o limitation or restriction. Includes materiel with more than 6 months shelf life remaining.

B	Serviceable (Issuable With Qualification)	New, used, repaired, or reconditioned materiel which is serviceable and issuable for its intended purpose but which is restricted from issue to specific units, activities, or geographical areas by reason of its limited usefulness or short service life expectancy. Includes materiel with 3 through 6 months shelf life remaining.
C	Serviceable (Priority Issue)	Items which are serviceable and issuable to selected customers, but which must be issued before Supply Condition Codes A and B materiel to avoid loss as a usable asset. Includes materiel with less than 3 months shelf life remaining.
D	Serviceable (Test/Modification)	Serviceable materiel which requires test, alteration, modification, technical data marking, conversion, or disassembly. This does not include items which must be inspected or tested immediately prior to issue.
E	Unserviceable (Limited Restoration)	Materiel which involves only limited expense or effort to restore to serviceable condition and which is accomplished in the Storage Activity (SA) where the stock is located. May be issued to support ammunition requisitions coded to indicate acceptability of usable condition E stock.
F	Unserviceable (Repairable)	Economically repairable material which requires repair, overhaul, or reconditioning includes repairable items which are radioactively contaminated.
G	Unserviceable (Incomplete)	Materiel requiring additional parts or components to complete the end item prior to issue.
H	Unserviceable (Condemned)	Materiel which has been determined to be unserviceable and does not meet repair criteria; includes condemned items which are radioactively contaminated; Type I shelf life materiel that has passed the expiration date; and Type II shelf life materiel that has passed expiration date and cannot be extended. (NOTE: Classify obsolete and excess materiel to its proper condition before consigning to the DRMO. Do not classify materiel in Supply Condition H unless it is truly

		unserviceable and does not meet repair criteria.)
J	Suspended (In Stock)	Materiel in stock which has been suspended from issue pending condition classification or analysis, where the true condition is not known. Includes shelf life Type II materiel that has reached the expiration date pending inspection, test, or restoration.
K	Suspended (Returns)	Materiel returned from customer or users and awaiting condition classification.
L	Suspended (Litigation)	Materiel held pending litigation or negotiation with contractors or common carriers.
Q	Suspended (Product Quality Deficiency)	Potential and confirmed product quality deficiency related materiel which is prohibited for use within DoD and prohibited for reutilization screening. Includes product quality deficiency exhibits returned by customers/users as directed by the IMM due to technical deficiencies reported by Product Quality Deficiency Report. Exhibits require technical or engineering analysis to determine cause of failure to perform in accordance with specifications. Includes product quality deficient materiel identified by SF 368, Product Quality Deficiency Report; DD Form 1225, Storage Quality Control Report; SF 364, Supply Discrepancy Report (Security Assistance only); or authorized electronic equivalent.
R	Suspended (Reclaimed Items, Awaiting Condition Determination)	Assets turned in by reclamation activities which do not have the capability (skills, manpower or test equipment) to determine materiel condition. Actual condition will be determined prior to induction into maintenance activities for repair/modification.

q. Supply Discrepancy Report (SDR, Standard Form 364). Used to record a supply discrepancy and is used to document reimbursable work discovered during receiving operations (e.g. Shipping Discrepancy, Packaging Discrepancy, and/or Latent Packaging Discrepancy). See Appendix H for additional information (MCO 4155.15).

r. Unserviceable. Materiel which has been determined to be unserviceable or has been determined through shelf life extension testing or routine inspection to be unsatisfactory or unsafe for its intended use. See Table 1-3.

s. Operational Test Code. Operational Test Codes delineate calibration requirements for RADIAC instruments held within the Marine Corps inventory.

CHAPTER 2

INSPECTIONS

2-1. Purpose. The purpose of this chapter is to establish procedures for conducting inspections and examinations of CBRN equipment and evaluating the status of the CBRN equipment by PM CSE.

2-2. Equipment Storage. All CBRN equipment will receive random inspections and examinations. This Technical Instruction (TI) is a compilation of Technical Manuals (TM), Supply Bulletins (SB), Material Fielding Plans (MFP)/User's Logistics Support Summary (ULSS) and other appropriate publications. This TI provides the user a single source document referencing inspections and examinations of CBRN equipment. This TI does not replace the applicable publication.

2-3. Types of Inspections

a. Initial Receipt Inspection (IRI). IRI is implemented as a quality control system for receiving, inspecting, inventorying and recording newly manufactured materiel received directly from the vendor, manufacturer, or government activity. The purpose is to determine if the items, the packing, or the preservation have been damaged in transit and whether the packaging, packing, marking and preservation are correct. This inspection is not intended as an acceptance inspection. **This does not include individual/immediate wrapping designed to reduce the degradation of equipment (vacuum barrier bags (JSLIST), sealed outer poly bags (M291, JB2GU, AFS etc.)). Any discrepancy will require the submission of a Form 346, SDR. See Appendix H.**

b. Pre-Storage Inspection (PSI). This inspection is performed to determine receipt condition and the current degree of serviceability of the items where serviceability status is unknown. The receiving unit will perform a PSI when the item is returned from issue, prior to receipt of equipment, and prior to placing in storage.

c. Preventative Maintenance Checks and Services (PMCS). PMCS will be conducted on CBRN equipment as prescribed in the appropriate TMs.

d. Limited Technical Inspection (LTI). A LTI will be conducted on all applicable CBRN equipment prior to issue and upon receipt. LTIs are limited to assets with SL-3 components and accessories, or assets which require operational/functional checks to determine serviceability (MCO P4400.150).

e. Cyclic Inspection (CI). CI of stored equipment is performed on material in storage on a cyclic basis. In this instruction, the cycle is established by the Inspection Frequency Code (IFC) listed in the equipment tables. The purpose is to determine the serviceability status of items for the presence of corrosion, mutilated wrappings, holes, tears, container fatigue, and/or marking deficiencies. CIs will be conducted annually, at a minimum, as required by this TI and all supporting equipment publications and messages.

f. Pre-Issue Inspection. The inspections and tests on materiel immediately preceding issue.

2-4. Examinations

a. Visual Examination. Visual examination is an element of inspection consisting of generally non-destructive investigation and conducted without the use of special laboratory equipment. CBRN equipment will be examined to ensure no damage to the end item has occurred. The attached appendices provide examination criteria. Damaged or defective items will require submission of either an SDR, PQDR, or both per paragraph 3-3 of this TI.

b. Functional Inspection. Perform the appropriate examinations and tests indicated for that particular item in the applicable appendix to ensure the item is serviceable and the physical, functional and performance characteristics meet its intended use.

(1) Fit. CBRN item interfaces with its intended other items (e.g. Mask, Suits, Boots, Gloves). For example, does the sleeve tab secure when glove is incorporated, does the hood function properly when the mask is incorporated, etc.?

(2) Form. CBRN item meets the shape, size and dimensions of its intended use. For example, are the markings (size, color, etc.) indicated on packaging the same as indicated on item?

(3) Function. CBRN item is designed to provide resistance to agent penetration in the intended environment. For example, do the zippers zip, draw cords function, and hook and pile fasten?

2-5. Evaluations. The Program Manager, Combat Support Equipment (PM CSE) will conduct evaluations of the Consolidated Storage Program to ensure the Contract Logistics Support is conducting maintenance, serviceability and quality checks of CBRN assets currently being managed.

CHAPTER 3

RECORDS, REPORTS, AND RECORDING

3-1. Purpose. The purpose of this chapter is to provide guidance and instruction for the recording and reporting of information and requesting disposition for the required management of CBRN property.

3-2. System. All units that hold CBRN equipment must maintain shelf life data for all CBRN equipment on hand.

a. Automated System. All organizations will utilize an approved Marine Corps automated system, such as the CBRN Tracker or the Web Access Defense Equipment Management Program (WXDEMP), to manage and track their CBRN equipment. In addition to automating the unit's shelf life tracking system, it automates and standardizes the completion of worldwide inventory and surveillance reports.

b. Manual System. The only manual system authorized is the SLFR, Appendix F. A record must be maintained on all issued CBRN items listing National Stock Number, Contract Number, Lot Number, Manufacture Date, Serial Number and Quantity. The SLFR system should only be used in the event the unit is unable, due to lack of equipment or mission requirements, to use the automated system. Units will still be required to provide input to the worldwide inventory and surveillance reports.

3-3. Reporting and Recording

a. After each inspection process is complete, results will be recorded using the Marine Corps automated CBRN system currently in use or the SLFR (Appendix F).

b. CBRN equipment that is found to be damaged, defective or possess discrepancies and do not fulfill their expected purpose, operation, or service due to deficiencies in design, specification, materiel, manufacturing, and/or workmanship will require the submission of either a SDR, PQDR or both, by following the procedures per Appendices G and H.

c. All CBRN equipment requiring disposition or disposal will be processed through Marine Corps Logistics Command, Albany, GA WIR (Recoverable Item Report) On Line Process Handler (WOLPH) system.

d. During IRS, defects or discrepancies identified in shipping quantity, size or packaging will require the submission of an SDR by following the procedures outlined in Appendix H.

APPENDIX A

MASK, CHEMICAL-BIOLOGICAL (GROUND TYPES), AND MASK-RELATED ITEMS AND TESTERS

A-1. Scope. This appendix contains procedures for conducting visual and functional examinations for all items contained in Table A-1.

A-2. Policy. These requirements are to be used to provide an effective serviceability standard encompassing the minimum inspection needed to determine material serviceability. Any item found to have discrepancies or defects will be returned to the issuing organization and a Product Quality Deficiency Report (PQDR) will be completed.

a. Masks listed in Table A-1 shall undergo a visual inspection and functional inspection test annually and at the time of turn-in by using the M46 Joint Service Mask Leakage Tester (JSMLT). Functional inspection will also include conducting communications checks when available.

b. All masks submitted for turn-in will be clean and free of dirt, debris, camouflage paint and moisture. Only approved cleaning materials may be used on all masks. A mask cleaning station may be provided at each issuing facility. Masks issued by the issuing facility will be cleaned, sanitized and Stock List-Level 3 (SL-3) complete.

A-3. Visual and Functional Inspection Procedures. Masks listed in Table A-1 shall be visually inspected for defects as identified in the below subparagraphs and if required as identified in the appropriate Technical Manual (TM). All visually acceptable masks shall be subjected to serviceability and a functionality inspection annually and upon turn-in paragraph using the Joint Service Mask Leakage Tester. Masks that fail visual and/or functional inspection and cannot be repaired at the organizational level should be replaced as soon as operationally feasible or forwarded to an intermediate maintenance facility for repair. A PQDR should be submitted per Appendix G, when applicable.

Table A-1. Mask, Chemical-Biological (All Types)

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
C00432F	TBD	MASK CB, Joint Service General Purpose (JSGPM) M53, Right	XS	4240-01-526-2163	9	5
			S	4240-01-526-3293	9	5
			M	4240-01-526-2164	9	5
			L	4240-01-526-2168	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
C00432F	TBD	MASK CB, Joint Service General Purpose (JSGPM) M53, Left	XS	4240-01-526-2169	9	5
			S	4240-01-526-2165	9	5
			M	4240-01-526-2167	9	5
			L	4240-01-526-2166	9	5
C49082F	10381B	MASK, Chemical Biological MCU-2AP	S	4240-01-452-9070	0	N/A
	10382B		M	4240-01-452-9071	0	N/A
	10380B		L	4240-01-452-9077	0	N/A
C52652E	09204D	MASK, Chemical Biological M40A1	S	4240-01-370-3821	9	5
	09204E		M	4240-01-370-3822	9	5
	09204F		L	4240-01-370-3823	9	5
C52662E	09205D	MASK, Chemical Biological M42A2	S	4240-01-413-4100	7	5
	09205E		M	4240-01-413-4101	7	5
	09205F		L	4240-01-413-4102	7	5
N/A	N/A	Facepiece, Breathing "Second Skin" (for M40)	S	4240-01-413-1540	9	5
			M/L	4240-01-413-1543	9	5
C52652E	09204G	MASK CB, Joint Service General Purpose (JSGPM) M50	S	4240-01-512-4431	9	5
	09204H		M	4240-01-512-4434	9	5
	09204I		L	4240-01-512-4437	9	5
C52662E	09205G	MASK CB, Joint Service General Purpose (JSGPM) M51	S	4240-01-512-4429	9	5
	09205H		M	4240-01-512-4435	9	5
	09205I		L	4240-01-512-4436	9	5
C52682E	10224A	M41 Protection Assessment Test System (PATS)	N/A	4240-01-365-8241	6	

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	JSMLT Trainer kit	N/A	N/A	N/A	
N/A	N/A	M-1 Canteen Cap Chem/Bio (M40 series)	N/A	8415-01-115-8456	0	
N/A	N/A	Cap, Canteen Chem/Bio (M50 series)	N/A	8465-01-529-9800	0	5
C52692E	10942A	M46 Joint Service Mask Leakage Tester (JSMLT)	N/A	6665-01-506-9002	0	

a. MASK, M53 Series (TM 10589A-OR)

(1) Components missing or dirty. Inspect the mask and all components for cleanliness and proper functioning.

(2) Clear Eyelens Outsert. Check for dirty, scratched or damaged eyelens outsert that obstruct vision, and check that outsert locking tabs are not broken or cracked.

(3) Carrier. Check carrier for damaged or missing straps, clips, hook and pile fasteners.

(4) Waterproof bag. Inspect waterproof bag for cracks, tears, holes, and/or brittleness. Check the three rubber bands to ensure they are not sticky, broken, or brittle.

(5) Faceform. When not used in training or tactical situations, the mask will be stored with the faceform installed to keep the proper shape of the mask assembly. Check the faceform for cracks, sharp edges, and points that may cut the mask.

(6) Head Harness. Check for loose stitching, cuts, rips or tears and the strap's elasticity.

(7) Canteen Cap. Inspect for dirt, damaged coupler and a tight connection. Ensure the dust cover is present, functions properly and provides a tight connection with drink coupler "O" ring. Inspect the canteen cap gasket and threads for cuts, tears, deterioration or distortion.

(8) Filter, General Purpose. Check for cracks, dents or damage on seams. Check that the filter's air passage is not clogged and when rattled, no loose particles or dust falls out. Check that shelf life information is present: lot number, barcode for expiration, legibility or damage, and time patch indicator is not dark blue.

NOTE

This inspection is for the filter installed on the mask. Do not open hermetically-sealed combat filters for a visual inspection unless you intend to place the filter into service on the mask.

(9) Facepiece

(a) Check the facepiece for splits, tears or holes. Visually inspect bonding around eyelens, and check for loose a fitting outlet valve assembly.

(b) Check for permanent set affecting fit. Faceblank set is an unnatural set in the shape of the mask facepiece or nosecup that may prevent the operator from achieving a proper seal or from donning a properly prepared mask with one hand. Faceblank set is common for masks which are stored improperly.

(c) Facepiece shall not exhibit evidence of deterioration, such as stiff, dry areas that crumble when rubbed, sharp edged surface cracks that open as rubber is flexed, or soft, sticky spots.

(d) Check eyelens for cracks, cuts, scratches, or stains affecting vision.

(e) Ensure head harness buckles are not broken or missing, and that the buckles hold straps tight.

(f) Check Valve Cassette Assembly for dirt, damage or looseness. Ensure assembly rotates freely between the horizontal and vertical position and remains in position.

(g) Ensure front module body is not loose, communication port is not damaged, and the three-pin port is not corroded or dirty.

(h) Inspect drink lever for damage, and ensure that the drink lever rotates freely between the on/off position. Inspect the drink tube lever and drink coupler are not damaged, missing or obstructed.

(i) Inspect the drink tube for holes, tears, soft or gummy spots, and for damage or deterioration.

(j) Ensure filter and filter mount are not loose or damaged, gasket is present and clean, and threads are not damaged or dirty.

(k) Check mask interior to ensure chin cup and beard are not torn, damaged or showing signs of deterioration or holes.

(l) Check disk valve seat and valve mounting post for damage. Remove air deflectors and inlet valves and check for missing, damaged or deterioration, and check air deflector alignment posts and mounting posts for damage.

(m) Ensure vision correction support frame is not missing or damaged, and alignment tabs are functional.

(n) Ensure nosecup is not torn, damaged or showing signs of deterioration or holes.

(o) Ensure internal drink tube is not damaged, deteriorated, missing and that it functions properly.

(p) Ensure the microphone assembly is not damaged, corroded, missing gasket, damaged or deteriorated.

b. MASK, Chemical-Biological MCU-2P Series (TM S6470-AB-MMO-010). The MCU-2P and MCU2A/P mask is issued only to Marine Corps units with special missions. See A-3.c for serviceability inspection procedures.

c. MASK, M42A2 (TM 3-4240-346-10, TM 3-4240-346-20&P).

(1) Components. Inspect mask to ensure the mask and all components are present, clean and functioning properly.

(2) Eyelens outserts gray and clear. Check for scratches that obstruct vision and check for cracked, broken, or missing outserts/faceshields.

(3) Carrier. Check carrier for damaged or missing straps, clips, or hook and pile fasteners.

(4) Filter Canister. Check filter canister, especially around the seams, for cracks, dents, or holes. Check air intake to ensure it is not clogged with dirt, and check for damage to threads and sealing surface of canister. Shake the filter canister and listen for signs of loose filter material.

NOTE

This inspection is for the filter installed on the mask. Do not open hermetically-sealed combat filter for a visual inspection unless you intend to place it in service on the mask.

(5) Waterproof bag. Inspect waterproof bag for holes, cuts, and tears. Check for hardening or cracking of the bag's plastic. Check the three rubber bands for elasticity and dry rot.

(6) Facepiece, Breathing, Second Skin. Check for tears, holes, and dry rot.

(7) Head Harness. Check for loose stitching, cuts, rips or tears and the straps elasticity.

(8) Canteen Cap. Inspect for dirt, damaged coupler and tight connection. Ensure dust cover is present, functions properly, and provides tight connection with drink coupler "O" ring. Inspect the canteen cap gasket and threads for cuts, tears, deterioration or distortion.

(9) Faceblank

NOTE

You may have to stretch the silicone to be able to see the damage. If there are cuts in the silicone, replace the mask.

(a) Check the silicone for tears and holes. Look closely around the eyelens retaining ring, face shield and inside under the side ports.

(b) Permanent Set. Faceblank set is an unnatural set in the shape of the mask facepiece or nosecup that may prevent the operator from achieving a proper seal or from donning a properly prepared mask with one hand. Faceblank set is common for masks which are stored improperly.

(c) Silicone Deterioration. Check faceblank for evidence of deterioration. Deterioration is defined as either (1) stiff, dry areas that crumble when rubbed or which contain sharp edged surface cracks that open as silicon is flexed (also called "ozone cracking") or (2) unusual cracking, softening, swelling, or breaking in areas that permanently deform under stress (also called reversion). Silicone is very resistant to deterioration but may become soft, sticky, pitted, or has small cuts or rough areas at tile edges.

(d) Check for silicone disbonding from the side port housings or the outlet valve housing. Look inside the mask where the silicone bonds to the metal. It may be necessary to gently flex the area to see disbonding. Minor disbonding does not render the mask unserviceable. If disbonding goes completely through or close to completely through, replace the mask faceblank.

NOTE

No disbonding is allowable in the outlet valve housing area on MCU2P series masks. Evidence of any disbonding renders the mask unserviceable, condemned.

(e) Check that the airflow deflector is not missing, damaged or improperly installed. The M40 series mask has two sizes of airflow deflectors - small for small masks and medium/large for medium or large masks. The MCU2P series masks have only single size airflow deflector.

(f) Ensure the inlet valve disk is not missing, damaged, tacky, or deformed. The inlet valve disk protects the canister filter material from moisture in exhaled air.

(g) Check to ensure inlet valve body is not missing, damaged, compressed, or improperly installed. The inlet valve body serves as the gasket for the canister. Dirt, damage, or compression of the inlet valve body can result in leaks.

(h) Inspect the canister port housing threads for damage.

(i) Inspect to ensure that the nosecup valve disks are not missing, damaged, brittle, cracked, tacky, warped or improperly installed.

(j) Ensure nosecup is securely fastened to faceblank. Inspect inner front portion of nosecup for evidence of separation from under the front voicemitter.

(k) Inspect nosecup valve seats for damaged, missing or improper assembly. Nosecup valve seats (old style) must be glued into the M40 series mask nosecup, whereas the newer M40 series mask types snap in. Nosecup valve seats for MCU2P series masks are not glued into the nosecup.

(l) Inspect internal drink tube system for damage, cuts, or tears and ensure the internal drink tube protective collar is not missing, damaged and is installed correctly.

a. Inspect for internal drink tube coupling damage.

b. Inspect external drink tube for damage, cuts, tears, or deterioration and to ensure the external drink tube is not separating from the outlet valve housing. The M40 series mask external drink tube is glued in place whereas the MCU2P series mask external drink tube is not.

c. Inspect external drink tube quick disconnect for missing, damaged or dirty parts and to ensure the correct quick disconnect is used. To test for leaks, the user will wear the mask and submerge the quick disconnect completely in a cup of water. Blow through the closed drink system. If bubbles come from quick disconnect, clean the system by running a canteen of clear water through the drink system and retest. If the leakage persists, conduct functional drink system test utilizing the M46 JSMLT. If blockage cannot be repaired at the organizational level, the mask should be replaced.

(m) Inspect for outlet valve housing damage - chipped, dented or corroded.

(n) Inspect outlet valve disk for damage - warped, tacky, deterioration, brittle or does not move freely. Ensure the correct outlet valve disk part is used.

(o) Inspect for outlet valve cover damage - torn or cut.

(p) Inspect for side voicemitter damage, loose retaining ring, or improper assembly. Four pins should be visible in the center of the voicemitter on the outside of the mask.

(q) Inspect for side voicemitter gasket damage (compressed or missing). The gasket should be visible from the inside of the mask.

(r) Inspect front voicemitter (or front voicemitter assembly) and front voicemitter retaining ring for dents, damage or loose retaining ring. If the mask is damaged, it should be replaced or forwarded to an intermediate maintenance facility for repair.

(s) Visually inspect eyelens(es) for cracks, cuts, scratches, stains/discoloration, deterioration or distortion so as to adversely affect vision. Check to see that you can see well though the eyelens(es). Users of the mask who determine through usage that scratches on the eyelens cause difficulty in completing the mission, a replacement mask will be issued.

(t) Ensure eyelens retaining ring is not bent, dented or badly damaged.

(u) Inspect for clip and buckle assembly damage and determine if assembly will hold the head harness strap, or is separated from the silicone.

(v) Inspect head harness for mildew, stains or for foreign matter such as dirt, grease or oil. Inspect head harness for tears or lacking proper elasticity. Stretch head harness at least three times simulating actual use. After releasing tension, the head harness shall contract to its normal position.

d. M42 Series specific items (TM 3-4240-346-10, TM 3-4240-346-20&P)

(1) Inspect hose for corrosion, deterioration (sticky or gummy areas), seams not fully bonded, blisters, lumps or areas that are worn.

(2) Inspect hose for damage such as holes, tears, visible cracks, damaged threads on connectors, and presence and serviceability of hose gasket.

(3) Inspect microphone and connectors for dirt, damage or missing components.

e. MASK, M50/M51 Series (TM 09204G/09205G-OI/1)

(1) Components. Inspect the mask to ensure mask and all components are present, clean and function properly.

(2) Clear Eyelens Outsert. Check for dirty, scratched or damaged eyelens outsert that obstruct vision. Ensure outsert locking tabs are not broken or cracked.

(3) Carrier. Check carrier for damaged or missing straps, clips, or hook and pile fasteners.

(4) M61 Filter. Check filter lot number and barcode for expiration, readability, or damage, and ensure time patch assembly is not dark blue. Check for missing filter seal, cracks, dents, or holes. Inspect air passages to ensure they are not clogged and filter mounting lugs are operable, and alignment markings are present.

NOTE

This inspection is for the filter installed on the mask. Do not open hermetically-sealed combat filter for a visual inspection unless you intend to place it in service on the mask.

(5) Waterproof bag. Inspect waterproof bag for cracks, tears, holes, and/or brittleness. Check for three rubber bands and ensure they are not sticky, broken, or brittle.

(6) Faceform. When not used in training or a tactical situation, the mask will be stored with the faceform installed to keep the proper shape of mask assembly. Check the faceform for cracks, sharp edges, and points that may cut the mask.

(7) Head Harness. Check for loose stitching, cuts, rips or tears and head harness straps still stretch.

(8) Canteen Cap. Inspect for dirt, damaged coupler and tight connection. Dust cover is present and provides tight connection with drink coupler "O" ring. Inspect the canteen cap gasket and threads for cuts, tears, deterioration or distortion.

(9) Facepiece

(a) Check the facepiece for tears and holes. Visually inspect bonding around eyelens, and check for loose fitting outlet valve assembly and filter mounts.

(b) Check for permanent set affecting fit. Ensure facepiece was stored properly and has no shape other than the original form.

(c) Facepiece shall not exhibit evidence of deterioration, such as stiff, dry areas that crumble when rubbed or which contain sharp edged surface cracks that open as rubber is flexed, or soft, sticky spots.

(d) Visually inspect eyelens(es) for cracks, cuts, scratches, stains/discoloration, deterioration or distortion so as to adversely affect vision. Check to see that you can see well though the eyelens(es). Users of a mask who determine through usage that scratches on the eyelens cause difficulty in completing the mission will be issued a replacement mask.

(e) Inspect head harness mounts, pivoting and ladder lock buckles for damage. Buckles hold straps tight.

(f) Check outlet valve cover assembly for breaks or other damage, and ensure that the communications port cover is not broken. Remove outlet valve cover ensure baffle assembly is not broken or damaged.

(g) Ensure front module body is not loose, communications port not damaged or clogged, and drink tube lever and drink coupler are not damaged or missing.

(h) Inspect outlet valve disk for damage or deterioration and seat and mounting post are not damaged.

(i) Check drink tube lever operates internal drink tube properly.

(j) Inspect filter mounts to ensure a tight fit (not loose). Inspect bar code and lot numbering on filter mount for damage.

(k) Check self-sealing disk valves for missing, damage or deterioration.

(l) Inspect mask interior to ensure chin cup and beard are not torn, damaged or show signs of deterioration or holes.

(m) Check inlet disk valves, disk valve seat and valve mounting post for damage. Remove air deflectors and inlet valves and check for missing, damage or deterioration. Check air deflector alignment posts and mounting posts for damage.

(n) Inspect vision correction support frame is for presence and damage, and alignment tabs are functional.

(o) Ensure Nosecup is not torn, damaged or show signs of deterioration or holes.

(p) Ensure internal drink tube is not damaged, deteriorated, missing, and that it functions properly.

(q) Inspect microphone assembly for damage, corrosion, or dirt.

(10) M51 (only) specific items (Technical Manual 09204G/09205G-OI/1)

(a) Ensure hose is securely attached to filter by gently pulling on hose.

(b) Check hose assembly for holes, splits, cracks, or breaks, and clothing clip is present and functioning. Check for dirt or damage, and filter swivel connector swivels freely.

(c) Inspect hose for kinks on normal flexing. Flex hose tube to determine if it will return to normal shape and position.

(d) Inspect microphone, adapter connectors, and communication lead for dirt, damage or missing components.

A-4. M41 Protective Assessment Test System (PATS). (TM 10224A-14&P/1) The M41 PATS is used to conduct a mask fit validation test at time of issue from an issuing facility or organization.

a. Ensure record jacket is present for each M41 PATS, calibration sticker is present, and calibration date has not been exceeded. The calibration cycle is every 18 months.

b. Conduct inventory of components in accordance with the TM.

c. Conduct Preventative Maintenance Checks and Services (PMCS) in accordance with Chapter 4, TM 10224A-14&P/1. Note all damage and discrepancies in record jacket and submit required documentation to the appropriate organization(s) for information and corrective action.

A-5. M46 Joint Service Mask Leakage Tester (JSMLT). (TM 10942A-OI/1) The JSMLT is used to conduct functional tests to validate mask serviceability and to conduct mask fit validation at time of issue from an issuing facility or organization, annually, or as directed.

a. Ensure record jacket is present for each M46 JSMLT, calibration sticker is present, and calibration date has not been exceeded. Calibration cycle is every 24 months.

b. Conduct inventory of components in accordance with the TM.

c. Conduct PMCS in accordance with Chapter 10, TM 942A-OI/1. Note all damage and discrepancies in item record jacket, and submit required documentation to the appropriate organization(s) for information and corrective action.

d. A Computer Based Training (CBT) module is available at https://ips.usmc.mil/sites/mcsccbrn/default.aspx.

A-6. Joint Service Mask Leakage Tester (JSMLT) Trainer Kit. A JSMLT Trainer Kit is located within each Marine Expeditionary Force (MEF). Currently, the kit must be requisitioned through PM CSE for certified instructors to provide training. Ensure the JSMLT trainer is inventoried upon issue or receipt. Missing items will be annotated in the record jacket.

APPENDIX B

PROTECTIVE CLOTHING

B-1. Scope. This appendix contains procedures for conducting visual and functional examinations for all items contained in Table B-1.

B-2. Policy. These requirements are to be used to provide an effective serviceability standard encompassing the minimum inspection needed to determine material serviceability. For any item found to have discrepancies or defects, a Product Quality Deficiency Report (PQDR) will be completed and submitted per Appendix G, when applicable.

B-3. Visual and Functional Inspection Procedures. Items shall be visually inspected for defects as identified in the following subparagraphs and if required, as identified in the appropriate Technical Manual (TM). Visually acceptable items shall be subjected to the functional inspections described in these subparagraphs at time of issue. Functional inspections are associated with Form, Fit or Function guidelines. Any item not achieving Form, Fit or Function will be returned to the Initial Issue Facility (IIF). See paragraph B-4 for guidance.

NOTE

Equipment shelf life may be extended by passing shelf life extension testing as required by the assigned SLC. Item Exit Dates (IED) will be assigned at the re-inspection limit or when test results do not support an extension of shelf life. Equipment reaching its IED shall be placed in Condition Code "H" and a request for disposition instructions will be submitted.

Table B-1. Protective Clothing

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
C00422F	N/A	JSLIST Block 1 Glove Upgrade, Flame Resistant (FR) (Glove Set, Nuclear, Biological, Chemical)	S	8415-20-001-3661	9	5
			M	8415-20-001-3662	9	5
			L	8415-20-001-3663	9	5
			XL	8415-20-001-3664	9	5
C00512B	11591F	JSLIST Chemical/ Biological Coverall for Combat Vehicle Crewman (JC3)	XSM/SH	8415-01-554-7184	9	5
	11591K		XSM/REG	8415-01-554-7206	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
	11607B		XSM/LG	8415-01-554-7248	9	5
	11607C		SM/SH	8415-01-554-7189	9	5
	11591O		SM/REG	8415-01-554-7208	9	5
	11591I		SM/LG	8415-01-554-7256	9	5
	11591G		MED/SH	8415-01-554-7191	9	5
	11591H		MED/REG	8415-01-554-7211	9	5
	11607D		MED/LG	8415-01-554-7254	9	5
	11591J		MED/XLG	8415-01-554-7263	9	5
	11607A		LGE/SH	8415-01-554-7196	9	5
	11591A		LGE/REG	8415-01-554-7233	9	5
	11591C		LGE/LG	8415-01-554-7257	9	5
	11591E		LGE/XLG	8415-01-554-7267	9	5
	11591L		XLGE/SH	8415-01-554-7201	9	5
	11591N		XLGE/LG	8415-01-554-7246	9	5
	11591D		XLGE/LG	8415-01-554-7261	9	5
	11591B		XLGE/XLG	8415-01-554-7268	9	5
N/A	N/A	Field Expedient Repair Kit	N/A	8415-01-576-5539	S	
C00622F	11593J	Coat, Joint Service Lightweight Integrated Suit Technology (JSLIST), Universal Camouflage Type II (with hood)	SM/XSH	8415-01-552-9989	X *	5
	11593K		SM/SH	8415-01-552-9992	X *	5
	11593H		MED/SH	8415-01-553-0033	X *	5
	11593A		MED/REG	8415-01-553-0034	X *	5
	11593E		MED/LG	8415-01-553-0035	X *	5
	11593G		LRG/REG	8415-01-553-0037	X *	5
	11593F		LGE/LG	8415-01-553-0069	X *	5
	11593B		XLGE/REG	8415-01-553-0070	X *	5
	11593I		XLGE/LG	8415-01-553-0071	X *	5
	11593C		2XLGE/LG	8415-01-553-0072	X *	5
	11593D		3XLGE/LG	8415-01-553-0073	X *	5
C00623F	11594A	Trouser, Joint Service Lightweight Integrated Suit Technology (JSLIST), Universal Camouflage Type II	SM/XSH	8415-01-552-9961	X *	5
	11594I		SM/SH	8415-01-552-9966	X *	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
	11594E		MED/SH	8415-01-552-9968	X *	5
	11594F		MED/REG	8415-01-552-9970	X *	5
	11594G		MED/LG	8415-01-552-9971	X *	5
	11594H		LGE/LG	8415-01-552-9974	X *	5
	11594B		LGE/REG	8415-01-552-9975	X *	5
	11594C		XLGE/REG	8415-01-552-9976	X *	5
	11594J		XLGE/LG	8415-01-552-9977	X *	5
	11594K		XXLGE/LG	8415-01-552-9981	X *	5
	11594D		3XLGE/LG	8415-01-552-9983	X *	5
C20102F	01097A	Apron Toxic Agent Protective M2	XS	8415-00-281-7812	7	2
	01097B		S	8415-00-281-7813	7	2
	01097C		M	8415-00-281-7814	7	2
	01097D		L	8415-00-281-7815	7	2
	01097E		XL	8415-00-281-7816	7	2
C21302F	11246I	Alternate Footwear Solution (AFS) (Overboot, Lightweight, CBRN)	XS	8430-01-553-6290	9	5
	11246A		S	8430-01-536-5413	9	5
	11246B		M	8430-01-536-5415	9	5
	11246C		L	8430-01-536-5416	9	5
	11246D		XL	8430-01-536-5419	9	5
	11246H		XXL	8430-01-553-6283	9	5
C21502F	11350K	JSLIST Block 2 Glove Upgrade, Non-Flame Resistant (n-FR) 22 Mil (Glove Set, Nuclear, Biological, Chemical)	S	8415-21-921-2165	9	5
	11350J		MN	8415-21-921-2166	9	5
	11350I		M	8415-21-921-2167	9	5
	11350G		L	8415-21-921-2170	9	5
	11350E		XL	8415-21-921-2172	9	5
C21502F	11350P	Glove Set, Chemical Protective, 25 Mil	XS	8415-01-144-1862	9	5
	08212A		S	8415-01-033-3517	9	5
	11350N		M	8415-01-033-3518	9	5
	11350Q		L	8415-01-033-3519	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
	11350O		XL	8415-01-033-3520	9	5
C23052F	10883A	Coat, Joint Service Lightweight Integrated Suit Technology, (JSLIST), Desert Type II (with hood)	S/XSH	8415-01-444-5902	X *	5
	10883B		S/SH	8415-01-444-5905	X *	5
	10883C		MED/SH	8415-01-444-5913	X *	5
	10883D		MED/REG	8415-01-444-5926	X *	5
	10883E		MED/LG	8415-01-444-6116	X *	5
	10883F		LRG/REG	8415-01-444-6138	X *	5
	10883G		LRG/LG	8415-01-444-6131	X *	5
	10883K		XLRG/REG	8415-01-509-8314	X *	5
	10883J		XLRG/LG	8415-01-505-1616	X *	5
	10883I		2XLRG/LG	8415-01-505-1622	X *	5
	10883H		3XLRG/LG	8415-01-506-7710	X *	5
C23062F	10884A	Trouser, Joint Service Lightweight Integrated Suit Technology, (JSLIST), Desert Type II	S/XSH	8415-01-444-5417	X *	5
	10884B		S/SH	8415-01-444-5504	X *	5
	10884C		MED/SH	8415-01-444-5506	X *	5
	10884D		MED/REG	8415-01-444-5893	X *	5
	10884E		MED/LG	8415-01-444-5892	X *	5
	10884F		LRG/REG	8415-01-444-5898	X *	5
	10884G		LRG/LG	8415-01-444-5900	X *	5
	10884I		XLRG/REG	8415-01-509-8269	X *	5
	10884H		XLRG/LG	8415-01-505-1567	X *	5
	10884K		2XLRG/LG	8415-01-505-1591	X *	5
	10884J		3XLRG/LG	8415-01-506-7713	X *	5
C23062F	10884A	Trouser, Joint Service Lightweight Integrated Suit Technology, (JSLIST), Desert Type II	S/XSH	8415-01-444-5417	X *	5
	10884B		S/SH	8415-01-444-5504	X *	5
	10884C		MED/SH	8415-01-444-5506	X *	5
	10884D		MED/REG	8415-01-444-5893	X *	5
	10884E		MED/LG	8415-01-444-5892	X *	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
	10884F		LRG/REG	8415-01-444-5898	X *	5
	10884G		LRG/LG	8415-01-444-5900	X *	5
	10884I		XLRG/REG	8415-01-509-8269	X *	5
	10884H		XLRG/LG	8415-01-505-1567	X *	5
	10884K		2XLRG/LG	8415-01-505-1591	X *	5
	10884J		3XLRG/LG	8415-01-506-7713	X *	5
C23072F	10885A	Coat, Joint Service Lightweight Integrated Suit Technology (JSLIST), Woodland Type II (with hood)	S/XSH	8415-01-444-1163	X *	5
	10885B		S/SH	8415-01-444-1169	X *	5
	10885C		MED/SH	8415-01-444-1200	X *	5
	10885D		MED/REG	8415-01-444-1238	X *	5
	10885E		MED/LG	8415-01-444-1249	X *	5
	10885F		LRG/REG	8415-01-444-1265	X *	5
	10885G		LRG/LG	8415-01-444-1270	X *	5
	10885I		XLRG/REG	8415-01-509-8296	X *	5
	10885H		XLRG/LG	8415-01-505-1241	X *	5
	10885K		2XLRG/LG	8415-01-505-1245	X *	5
	10885J		3XLRG/LG	8415-01-506-7546	X *	5
C23082F	10886A	Trouser, Joint Service Lightweight Integrated Suit Technology (JSLIST), Woodland Type II	S/XSH	8415-01-444-1435	X *	5
	10886B		S/SH	8415-01-444-1439	X *	5
	10886C		MED/SH	8415-01-444-1613	X *	5
	10886D		MED/REG	8415-01-444-2310	X *	5
	10886E		MED/LG	8415-01-444-2308	X *	5
	10886F		LRG/REG	8415-01-444-2325	X *	5
	10886G		LRG/LG	8415-01-444-2338	X *	5
	10886J		XLRG/REG	8415-01-509-8265	X *	5
	10886I		XLRG/LG	8415-01-505-1274	X *	5
	10886H		2XLRG/LG	8415-01-505-1277	X *	5
	10886K		3XLRG/LG	8415-01-506-7698	X *	5
N/A	N/A	Hood, Chemical Biological Mask, One Piece, for M40 Series	N/A	4240-01-260-8723	7	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Hood, Chemical-Biological, Quick Doff, for M40 Series	N/A	4240-01-376-3152	9	5
N/A	N/A	Hood, Chemical-Biological Mask M50/M51 Series	S	4240-01-528-9286	9	5
		Hood, Chemical-Biological Mask M50/M51 Series	M/L	4240-01-548-2264	9	
N/A	N/A	Hood, Chemical-Biological, Right Hand, M53	XS	4240-01-529-8329	9	5
		Hood, Chemical-Biological, Right Hand, M53	S	4240-01-529-8330	9	5
		Hood, Chemical-Biological, Right Hand, M53	M	4240-01-529-8324	9	5
		Hood, Chemical-Biological, Right Hand, M53	L	4240-01-529-8323	9	5
		Hood, Chemical-Biological, Left Hand, M53	XS	4240-01-529-8331	9	5
		Hood, Chemical-Biological, Left Hand, M53	S	4240-01-529-8328	9	5
		Hood, Chemical-Biological, Left Hand, M53	M	4240-01-529-8345	9	5
		Hood, Chemical-Biological, Left Hand, M53	L	4240-01-529-8340	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	32 L	8415-01-546-8032	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	32 R	8415-01-546-8029	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	32 S	8415-01-546-7901	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	34 L	8415-01-546-8044	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	34 R	8415-01-546-8040	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	34 S	8415-01-546-8034	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	36 L	8415-01-546-8125	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	36 R	8415-01-546-8122	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	36 S	8415-01-546-8120	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	38 L	8415-01-546-8130	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	38 R	8415-01-546-8129	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	38 S	8415-01-546-8127	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	40 L	8415-01-546-8134	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	40 R	8415-01-546-8132	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	40 S	8415-01-546-8131	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	42 L	8415-01-546-8139	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	42 R	8415-01-546-8138	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	42 S	8415-01-546-8136	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	44 L	8415-01-546-8161	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	44 R	8415-01-546-8143	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Sage Green	44 S	8415-01-546-8140	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	32 L	8415-01-546-8397	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	32 R	8415-01-546-8321	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	32 S	8415-01-546-8312	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	34 L	8415-01-546-8439	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	34 R	8415-01-546-8436	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	34 S	8415-01-546-8399	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	36 L	8415-01-546-8496	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	36 R	8415-01-546-8442	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	36 S	8415-01-546-8440	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	38 L	8415-01-546-8511	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	38 R	8415-01-546-8505	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	38 S	8415-01-546-8502	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	40 L	8415-01-546-8523	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	40 R	8415-01-546-8521	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	40 S	8415-01-546-8516	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	42 L	8415-01-546-8530	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	42 R	8415-01-546-8526	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	42 S	8415-01-546-8525	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	44 L	8415-01-546-8539	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	44 R	8415-01-546-8536	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Universal	44 S	8415-01-546-8533	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 L	8415-01-546-8397	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 R	8415-01-546-8321	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 S	8415-01-546-8312	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 L	8415-01-546-8185	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 R	8415-01-546-8176	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	32 S	8415-01-546-8173	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	34 L	8415-01-546-8193	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	34 R	8415-01-546-8190	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	34 S	8415-01-546-8187	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	36 L	8415-01-546-8224	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	36 R	8415-01-546-8218	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	36 S	8415-01-546-8194	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	38 L	8415-01-546-8236	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	38 R	8415-01-546-8233	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	38 S	8415-01-546-8232	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	40 L	8415-01-546-8252	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	40 R	8415-01-546-8251	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	40 S	8415-01-546-8249	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	42 L	8415-01-546-8288	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	42 R	8415-01-546-8274	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	42 S	8415-01-546-8259	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	44 L	8415-01-546-8298	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	44 R	8415-01-546-8295	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Female, Woodland	44 S	8415-01-546-8291	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	34 L	8415-01-546-1854	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	34 R	8415-01-546-1845	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	34 S	8415-01-546-1842	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	36 L	8415-01-546-1882	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	36 R	8415-01-546-1879	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	36 S	8415-01-546-1857	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	38 L	8415-01-546-1915	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	38 R	8415-01-546-1889	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	38 S	8415-01-546-1888	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	40 L	8415-01-546-1927	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	40 R	8415-01-546-1917	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	40 S	8415-01-546-1916	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	42 L	8415-01-546-1933	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	42 R	8415-01-546-1932	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	42 S	8415-01-546-1930	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	44 L	8415-01-546-2012	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	44 R	8415-01-546-1936	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	44 S	8415-01-546-1934	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	46 L	8415-01-546-2084	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	46 R	8415-01-546-2078	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	46 S	8415-01-546-2020	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	48 L	8415-01-546-2196	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	48 R	8415-01-546-2090	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	48 S	8415-01-546-2085	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	50 L	8415-01-546-2222	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	50 R	8415-01-546-2215	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Sage Green	50 S	8415-01-546-2209	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	34 L	8415-01-546-3175	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	34 R	8415-01-546-3155	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	34 S	8415-01-546-3131	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 L	8415-01-546-3320	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 R	8415-01-546-3312	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 S	8415-01-546-3268	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 L	8415-01-546-3511	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 R	8415-01-546-3500	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 S	8415-01-546-3334	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 L	8415-01-546-3537	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 R	8415-01-546-3534	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 S	8415-01-546-3517	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 L	8415-01-546-3740	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 R	8415-01-546-3701	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 S	8415-01-546-3685	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 L	8415-01-546-7864	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 R	8415-01-546-7830	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 S	8415-01-546-4101	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 L	8415-01-546-7873	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 R	8415-01-546-7869	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 S	8415-01-546-7866	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 L	8415-01-546-7880	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 R	8415-01-546-7877	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 S	8415-01-546-7875	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 L	8415-01-546-7894	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 R	8415-01-546-7892	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 S	8415-01-546-7882	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Woodland	34 L	8415-01-546-2302	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Woodland	34 R	8415-01-546-2298	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Woodland	34 S	8415-01-546-2295	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 L	8415-01-546-2317	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 R	8415-01-546-2314	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	36 S	8415-01-546-2308	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 L	8415-01-546-2368	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 R	8415-01-546-2364	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	38 S	8415-01-546-2326	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 L	8415-01-546-2474	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 R	8415-01-546-2467	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	40 S	8415-01-546-2462	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 L	8415-01-546-2521	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 R	8415-01-546-2513	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	42 S	8415-01-546-2494	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 L	8415-01-546-2566	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 R	8415-01-546-2564	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	44 S	8415-01-546-2562	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 L	8415-01-546-2585	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 R	8415-01-546-2578	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	46 S	8415-01-546-2569	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 L	8415-01-546-3079	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 R	8415-01-546-3068	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	48 S	8415-01-546-2598	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 L	8415-01-546-3092	9	5

TAMCN	ID NO.	NOMENCLATURE	SIZE	NSN	SLC	IFC
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 R	8415-01-546-3082	9	5
N/A	N/A	Joint, Protective Aircrew Ensemble (JPACE) Male, Universal	50 S	8415-01-546-3080	9	5
N/A	N/A	Lining Field Expedient Repair Kit (LFERK)	N/A	8415-01-548-5252	S	
N/A	N/A	Outer Shell Field Expedient Repair Kit (OFERK-01)	N/A	8415-01-548-5253	S	
N/A	N/A	Integrated Footwear System (IFS)	XSM	8430-01-540-6808	9	5
N/A	N/A	Integrated Footwear System (IFS)	SM	8430-01-540-6813	9	5
N/A	N/A	Integrated Footwear System (IFS)	M	8430-01-540-6818	9	5
N/A	N/A	Integrated Footwear System (IFS)	LG	8430-01-540-6822	9	5
N/A	N/A	Integrated Footwear System (IFS)	XLG	8430-01-540-6881	9	5
N/A	N/A	Integrated Footwear System (IFS)	XXLG	8430-01-540-6901	9	5

* All JSLIST first surveillance tests will occur at 10-year anniversary of Date of Manufacturing.

a. Joint Block 1 Glove Upgrade Flame Resistant (JB1GU FR) (TM 8415-10/3)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check individual glove packaging for holes, rips, tears or damage. Check packaging for proper marking of lot number, date of manufacture, National Stock Number (NSN), shelf life expiration date, quantity and size. The gloves should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the glove in a contaminated area. Return the gloves to the original cardboard packaging.

(b) Check cardboard packaging. Check for water stains, holes, rips, tears or damage to cardboard container. Check for proper marking of lot numbers, date of manufacture, and NSN. The gloves will be stored in the original cardboard packaging to protect the gloves during storage.

(2) Functional Inspection

(a) Check the gloves for holes, cuts, rips, or cracks. Check that both gloves have legible markings for lot number, date of manufacture, and NSN. Runs in the rubber and dimples that do not pass through the rubber are acceptable defects in the material and do not affect serviceability.

(b) Check both glove inserts for holes, rips, frays, and tearing.

b. JSLIST Chemical/Biological Coverall for Combat Vehicle Crewman (JC3) (TM 10883-OR)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. If possible, the clear outer protective bag should not be removed in order to conduct inspections of barrier bag. Check manufacturer's seal for continuous closure and loss of vacuum seal. Check outer shell for holes, cuts, tears, or open seams. Also, check to see if the suit was caught in the heat seal or damaged by the heat seal. At no time shall the barrier bag be opened during a cyclic inspection. Check barrier bag packaging for holes, cuts, or tears.

1. For hole dime size or smaller. If a hole this size is located, check suit area directly inside the torn area for evidence of contamination with petroleum based liquids. If not contaminated, the suit is serviceable.

2. For holes larger than a dime that just occurred. Inspect suit in area of tear. If no damage is visible, repair hole with tape and list new shelf-life/item exit date as one year from date of inspection.

3. For holes larger than a dime with an unknown date of occurrence. These suits are unserviceable.

4. For barrier bags that have holes smaller than a dime or exhibit vacuum loss. These suits can be repaired by requesting support through Program Manager Combat Support Equipment (PM CSE).

(b) Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration information, quantity and size. The suit shall remain in the barrier bag and the outer protective bag will cover the barrier bag to prevent damage while in storage and to prevent contamination of the suit in a contaminated area.

(2) Functional Inspection

(a) Inspect JC3 for Form, Fit and Function. Inspect barrier bag closure for continuous seal. Check outer shell for holes, cuts, tears, or open seams. Check inner shell for holes, cuts, tears, and open seams. Check zippers, buttons, and wrist and leg adjustment taps for proper functioning.

(b) Inspect inner sleeve/inner sleeve cuffs and inner leg/inner leg cuff for rips, tears or open seams. Inspect zippered gusset, waist adjustment and back belt casing, knee and seat reinforcement patch and protective fly for proper functioning.

(c) Inspect extraction harness for missed stitching. Inspect sleeve pocket, sleeve adjustment tabs, hook and loop fasteners.

c. Neck Dam, JC3 (TM 10883-OR)/JPACE (TM 10-8415-234-10)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. If possible, the clear outer protective bag should not be removed in order to conduct inspections of barrier bag. Check barrier bag packaging for holes, cuts, or tears. Also, check to see if the neck dam was caught in the heat seal or damaged by the heat seal. Check manufacturer's seal for continuous closure and loss of vacuum seal. At no time shall the barrier bag be opened during a cyclic inspection.

(b) Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration information, quantity and size. The neck dam shall remain in the barrier bag and the outer protective bag will cover the barrier bag to prevent damage while in storage and to prevent contamination of the suit in a contaminated area.

(2) Functional Inspection. Inspect the neck dam for holes, cuts, tears, loose stitching, and ensure hook and pile fasteners function properly.

d. Field Expedient Repair Kit, JC3 (TM 10883-OR)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check barrier bag packaging for holes, cuts, or tears. Also, check to see if any part of the repair kit was caught in the heat seal or damaged by the heat seal. Check manufacturer's seal for continuous closure and loss of vacuum seal. Loss of vacuum seal does degrade the repair kit. At no time shall the barrier bag be opened during a cyclic inspection.

(b) Check all packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration information, quantity and size.

(2) Functional Inspection. Ensure instruction card is in the bag, that the patches are clean and dry, and the peel off backing is present. Ensure the kit contains 6 patches.

e. Suit, Chemical Protective, JSLIST (TM 8415-10/3)

(1) Visual Inspection. Initial receipt and cyclic inspections. If possible, the clear outer protective bag should not be removed in order to conduct inspections. Check barrier bag

packaging for holes, cuts, or tears. At no time shall the barrier bag be opened during an inspection. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The suit shall remain in the barrier bag and the outer protective bag will cover the barrier bag to prevent damage while in storage and to prevent contamination of the suit in a contaminated area.

(a) For hole dime size or smaller. If a hole this size is located, check suit area directly inside the torn area for evidence of contamination with petroleum based liquids. If not contaminated, the suit is serviceable.

(b) For holes larger than a dime that just occurred. Inspect suit in area of tear. If no damage is visible, repair hole with tape and list new shelf-life/item exit date as one year from date of inspection.

(c) For holes larger than a dime with an unknown date of occurrence. These suits are unserviceable.

(d) For barrier bags that have holes smaller than a dime or exhibit vacuum loss. These suits can be repaired by requesting support through PM CSE.

(2) Functional Inspection

(a) Inspect trousers for Form, Fit and Function. Inspect barrier bag closure for continuous seal. Check outer shell of trousers for holes, cuts, tears, or open seams. Check inner shell of trousers for holes, cuts, tears, or open seams. Check trouser zipper, buttons, suspenders/ suspender clips, and hook and loop areas for proper functioning.

(b) Inspect coat for Form, Fit and Function. Inspect barrier bag closure for continuous seal. Check outer shell of coat for holes, cuts, tears, or open seams. Check inner shell of coat for holed, cuts, tears, or open seams. Check coat zipper, buttons, draw strings, barrel locks, and hook and loop areas for proper functioning.

f. APRON, Toxicological Agent Protective (TAP) (TM 10-8415-300-13&P)

NOTE

TAP Aprons within 6 years of manufacture date are subject to shelf life management criteria. Aprons in excess of 6 years of manufacture date are authorized for continued use based on Marines utilizing the TAP apron as a splashguard from water during the decontamination operations of equipment/personnel provided they are found serviceable upon completion of the annual visual inspection. There is no maximum number of years that an apron may be extended.

(1) Visual Inspection. Initial receipt and cyclic inspections. Check shipping container and packaging for holes, rips, tears or damage. Check for proper marking of lot number, date of

manufacture, NSN, shelf life expiration date, quantity and sizes. The apron should be stored in the protective bag to prevent damage to the apron while in storage and to prevent contamination of the apron.

(2) Functional Inspection

(a) Check apron for holes, cuts, rips, cracks, or exposed base fabric.

(b) Check for missing or damaged neck or waist straps. Do not pull on wrist straps using excessive force.

NOTE

Place apron on table so entire weight of apron is on the surface. Locate sleeve and adjustment strap loop. Pick up sleeve (not entire apron) by sliding a pencil through the adjustment strap loop and elevating the sleeve. The little finger may be used instead of a pencil, provided it easily fits into the space between adjustment strap loop and sleeve; at no point should lateral stress be exerted on the bar tacks. Adjustment strap loop is determined securely tacked for its purpose of guiding the wrist adjustment strap if it supports the weight of the sleeve. Repeat procedure for all four straps.

(c) Check seam strapping for proper adhesion to the fabric, blistering or air bubbles between the strapping and the fabric, and exposed stitching.

g. Alternative Footwear System (AFS) (TM 8415-10/3)

(1) Visual Inspection.

(a) Initial receipt and cyclic inspections. Check individual packaging of overboots for holes, rips, tears, damage or exhibiting vacuum loss. Overboots can be repaired by requesting support through PM CSE. Check for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The overboot should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the overboot in a contaminated area. Return overboots to the original cardboard packaging.

(b) Check cardboard packaging. Check for water stains, holes, rips, tears or damage to cardboard container. Check for proper marking of lot numbers, date of manufacture, and NSN. The overboots will be stored in the original cardboard packaging to protect the overboots during storage.

(2) Functional Inspection

(a) Check the overboots for holes, cuts, rips, or cracks. Check the pair of boots for a right and left overboot, and legible markings for lot number, date of manufacture and NSN. Runs in

the rubber and dimples that do not pass through the rubber are acceptable defects in the material and do not affect serviceability.

(b) Check for missing or damaged buttons or elastic fasteners.

h. Joint Block 2 Glove Upgrade non-Flame Resistant (JB2GU nFR) (TM 8415-10/3)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check individual glove packaging for holes, rips, tears or damage. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The gloves should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the glove in a contaminated area. Return gloves to the original cardboard packaging.

(b) Check cardboard packaging. Check for water stains, holes, rips, tears or damage to cardboard container. Check for proper marking of lot numbers, date of manufacture, and NSN. The gloves will be stored in the original cardboard packaging to protect the gloves during storage.

(2) Functional Inspection

(a) Check the gloves for holes, cuts, rips, or cracks. Check both gloves for legible markings for lot number, date of manufacture and NSN. Runs in the rubber and dimples that do not pass through the rubber are acceptable defects in the material and do not affect serviceability.

(b) Check both glove inserts for holes, fraying, and tearing.

i. Glove Set, Chemical Protective 25 mil (TM 8415-10/3)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check individual glove packaging for holes, cuts, rips, cracks or abrasions in the rubber. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The gloves should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the glove in a contaminated area. Return the gloves to the original cardboard packaging.

(b) Check cardboard packaging for water stains, holes, rips, tears or damage to cardboard container. Check for proper marking of lot number, date of manufacture, and NSN. The gloves will be stored in the original cardboard packaging to protect the gloves during storage.

(2) Functional Inspection

(a) Check the gloves for holes, cuts, rips, or cracks. Check both gloves for legible markings for lot number, date of manufacture, NSN, quantity and sizes. Runs in the rubber and

dimples that do not pass through the rubber are acceptable defects in the material and do not affect serviceability.

(b) The rubber should not be tacky. If the gloves are stuck together, check for cracks or abrasions in the rubber after separating.

(c) Check both glove inserts for holes, fraying, and tearing.

j. Hood, Chemical Biological Mask (M40/42 Mask) (One Piece and Quick Doff) (TM 3-4240-346-10)

(1) Visual Inspection. Initial receipt and cyclic inspections. Check individual packaging for holes, cuts, or tears. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The hood should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the hood in a contaminated area. Protective bag should not be removed in order to conduct inspection of the hood unless the capability to reseal outer bag is available.

(2) Functional Inspection

(a) Inspect the hood straps, hook and pile attachments, zipper, and draw cord for functionality.

(b) Inspect hood panels for pinholes, rips, or tears. In a well-lit area, hold the hood in a manner that will facilitate the observation of light penetration through any defective area of the hood. Zipper closures, stitching of hook-pile fasteners, stitching at the seams, and the body of the hood within the last two inches of the bottom are exempt.

(c) Hoods with more than two pinholes in any one panel will be disposed of.

(d) One Piece Hood. Inspect seam stitching for loose stitching and attachment of butyl rubber faceform to the protective hood. Check hood and butyl rubber for pin holes, cuts, deterioration, and proper functioning. Check hook and pile attachments for functionality.

k. Hood, Chemical Protective, M50/51 Series (TM 09204G/09205G-OI/1)

(1) Visual Inspection. Initial receipt and cyclic inspections. Check individual packaging for holes, cuts, or tears. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The hood should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the hood in a contaminated area. Protective bag should not be removed in order to conduct inspection of the hood unless the capability to reseal outer bag is available.

(2) Functional Inspection

(a) Inspect around faceform opening, the eyelens and filter mount elastic. Check that hood straps are sewn secure. Check for proper functioning of hood straps and pivoting buckles.

(b) Inspect hood panels for open seams, pinholes, rips, or tears. In a well-lit area, hold the hood in a manner that will facilitate the observation of light penetration through any defective areas of the hood.

(c) Hoods with more than two pinholes in any one panel will be disposed of.

l. Hood, Chemical Protective, M53 (TM 10589A-OR)

(1) Visual Inspection. Initial receipt and cyclic inspections. Check individual packaging for holes, cuts, or tears. Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The hood should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the hood in a contaminated area. Protective bag should not be removed in order to conduct inspections of the hood unless the capability to reseal outer bag is available.

(2) Functional Inspection

(a) Inspect around faceform opening, eyelens, valve assembly and filter mounts areas. Check that hood straps are sewn secure, black rubber is not soft or sticky, and no holes, tears, or splits. Check for proper functioning of hood straps and pivoting buckles.

(b) Inspect hood panels for open seam, pinholes, rips, or tears. In a well-lit area, hold the hood in a manner that will facilitate the observation of light penetration through any defective areas of the hood.

(c) Hoods with more than two pinholes in any one panel will be disposed of.

m. Suit, Joint Protective Aircrew Ensemble (JPACE) (TM 10-8415-234-10)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. If possible, the clear outer protective bag should not be removed in order to conduct inspections of barrier bag. Check manufacturer's seal for continuous closure and loss of vacuum seal. Check outer shell for holes, cuts, tears, or open seams. Also, check to see if the suit was caught in the heat seal or damaged by the heat seal. At no time shall the barrier bag be opened during a cyclic inspection. Check barrier bag packaging for holes, cuts, or tears.

1. For holes dime size or smaller. If a hole this size is located, check suit area directly inside the torn area for evidence of contamination with petroleum based liquids. If not contaminated, the suit is serviceable.

2. For holes larger than a dime that just occurred. Inspect suit in area of tear. If no damage is visible, repair hole with tape and list new shelf life/item exit date as one year from date of inspection.

3. For holes larger than a dime with unknown date of occurrence. These suits are unserviceable.

4. For barrier bags that have holes smaller than a dime or exhibit vacuum loss. These suits can be repaired by requesting support through PM CSE.

(b) Check packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration information, quantity and size. The suit shall remain in the barrier bag and the outer protective bag will cover the barrier bag to prevent damage while in storage and to prevent contamination of the suit in a contaminated area.

(2) Functional Inspection

(a) Inspect JPACE for Form, Fit and Function. Inspect barrier bag closure for continuous seal. Check outer shell for holes, cuts, tears, or open seams. Check inner shell for holes, cuts, tears, or open seams. Check zippers, buttons, wrist and leg adjustment taps for proper functioning.

(b) Inspect inner sleeve/inner sleeve cuffs and inner leg/inner leg cuff for rips, tears or open seams. Inspect zippered gusset, waist adjustment and back belt casing, knee and seat reinforcement patch, and protective fly for proper functioning.

(c) Inspect extraction harness for missed stitching. Inspect sleeve pocket, sleeve adjustment tabs, and hook and loop fasteners.

n. Lining/Outer Shell Field Expedient Repair Kit, JPACE (TM 10-8415-234-10)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check barrier bag packaging for holes, cuts, or tears. Also, check to see if any part of the repair kit was caught in the heat seal or damaged by the heat seal. Check manufacturer's seal for continuous closure and loss of vacuum seal. Loss of vacuum seal does degrade the repair kit. At no time shall the barrier bag be opened during a cyclic inspection.

(b) Check all packaging for proper marking of lot number, date of manufacture, NSN, shelf life expiration information, quantity and size.

(2) Functional Inspection. Ensure instruction card is in the bag, that the patches are clean and dry, and the peel off backing is present. Ensure the kit contains 10 patches.

o. Integrated Footwear System (IFS) (TM 8415-10/3)

(1) Visual Inspection

(a) Initial receipt and cyclic inspections. Check individual packaging of IFS for holes, rips, tears or damage. IFS packaging can be repaired by requesting support through PM CSE. Check for proper marking of lot number, date of manufacture, NSN, shelf life expiration date, quantity and size. The IFS should be stored in a protective bag to prevent damage while in storage and to prevent contamination of the overboot in a contaminated area. Check cleanliness of bag. Wipe clean using soft cloth and a mild detergent diluted in warm water if necessary. Return the IFS to the original cardboard packaging.

(b) Check cardboard packaging. Check for water stains, holes, rips, tears or damage to cardboard container. Check for proper marking of lot numbers, date of manufacture, and NSN. The IFS will be stored in the original cardboard packaging to protect them while in storage.

(2) Functional Inspection

(a) Check inside and outside the IFS for holes, cuts, rips, or cracks. Check the IFS for legible markings of the lot number, date of manufacture and NSN.

(b) Check outside and inside of IFS for separation of seams.

B-4. Procedures for Missing or Different Items. Item(s) received not containing quantities indicated on the exterior packaging will be identified and submitted per Appendix H.

B-5. Procedures for Defective Items

a. Item(s) will be returned to the issuing facility and a Product Quality Deficiency Report will be submitted. PM CSE will determine whether items are repairable or processed for disposal/training (see Appendix G).

b. If foil package has loss of vacuum, appears puffy or feels soft, but indicates no visible holes or tears, item will remain mission capable.

c. Protective equipment exhibiting vacuum loss due to holes, rips, tears or damage in packaging are capable of repair. Immediate notification must be made to PM CSE to arrange for repair.

APPENDIX C

DECONTAMINATING APPARATUS, SYSTEMS AND KITS

C-1. Scope. This appendix contains procedures for conducting visual and operational examinations for all items listed in Table C-1.

C-2. Policy. These requirements are to be used to provide an effective serviceability standard encompassing the minimum inspection needed to determine material serviceability. Any item found unserviceable or in a non-operational condition that cannot be repaired at the issuing facility/organization will be sent in for repair.

C-3. Visual and Operational Inspection Procedures. Items shall be visually and operationally inspected for defects as identified in the appropriate Technical Manual (TM).

Table C-1. Decontaminating Apparatus, Systems and Kits

TAMCN	ID NO.	NOMENCLATURE	NSN	SLC	IFC
B12917B	10692B	M17, Marine Corps Heavy Fuel (MCHF) Decontaminating Apparatus, Power Driven, Lightweight	4230-01-492-1540	0	
B21307B	01034D	Tank, Fabric, Collapsible, Open Top, Air Column Supported, 3000 gal	5430-01-170-6984	0	
	01034E	Tank, Fabric, Collapsible, Open Top, Air Column Supported, 3000 gal	5430-01-359-4774	0	
	01034F	Tank, Fabric, Collapsible, Sealed Top, Self-Supporting, 3000 gal	5430-01-469-8744	0	
	01034G	Tank, Fabric, Collapsible, Sealed Top, Self-Supporting, 3000 gal	5430-01-470-7380	0	
C20752E	09680A	M291, Decon Kit, Skin	6505-01-276-1905	S	3
C20832E	10755A	M100, Decontamination System, Sorbent (SDS)	4230-01-466-9095	9	3
C22002E	11075A	Joint Service Personnel/Skin Decon System (RSDL)	6505-01-507-5074	S	
C53358	11075B	Joint Service Personnel Decon System Training Kit (T/RSDL)	6910-01-507-5141	S	

a. M17 Marine Corps Heavy Fuel (MCHF) Decontamination Apparatus, Power Driven, Lightweight. (TM 10692B-OR)

(1) Ensure record jacket is present and reflects current operational checks and Preventative Maintenance Checks and Services (PMCS) has been completed per the applicable TM.

(2) Conduct inventory of components in accordance with applicable TM.

(3) The M17 MCHF decontamination unit must be started and operated for a minimum of one (1) hour each month to maintain operational capability.

b. Tank, Fabric, Collapsible, Sealed Top, Self-Supporting, 3000 gal and Tank, Fabric, Collapsible, Open Top, Air Column Supported, 3000 gal. (TM 10692B-OR)

(1) Ensure record jacket is present and reflects current operational checks and PMCS has been completed per the applicable TM.

(2) Conduct inventory of components in accordance with applicable TM.

(3) The tank must be filled with water to ensure it is operationally functional.

c. M291, Skin Decontaminating Kit (SDK) (TM 4230-10/1)

NOTE

Returned M291 SDKs in the original box (squad box) and sealed in the original plastic overwrap are considered serviceable for five years after its date of manufacture. Individual kits may not be used for training.

(1) M291 SDK Stored in Original Plastic Overwrap

(a) Check packaging for proper marking of lot number, date of manufacture, National Stock Number (NSN), and shelf life expiration date.

(b) Check plastic overwrap for damage or holes.

(2) M291 SDK Not Stored in Original Plastic Overwrap

(a) Check packaging for proper marking of lot number, date of manufacture, NSN, and shelf life expiration date.

(b) Check the packets for holes, tears or damage in accordance with operators manual.

(c) Check that there are six packets per kit.

(d) If black powder is leaking from the kit, determine which packets are leaking and dispose of packet through local environmental requirements and unit SOP.

d. M100, Sorbent Decontamination System (SDS) (TM 10755A-10)

(1) Inspect the case for cracks and breaks in accordance with operators manual. If detected, return M100 to issuing facility for disposal and receive a replacement.

(2) Loose sorbent powder can present inhalation and ocular hazard.

WARNING

LOOSE SORBENT POWDER CAN PRESENT INHALATION AND OCULAR HAZARD. PERSONNEL IN VICINITY OF LOOSE SORBENT POWDER SHOULD WEAR PROTECTIVE MASK.

(3) Check packaging for proper marking of lot number, date of manufacture, NSN, and shelf life expiration date.

(4) M100 SDS optional mounting bracket (NSN 5340-01-466-5928). If present, inspect as follows:

(a) Inspect mounting bracket and tighten any loose screws.

(b) Check straps for torn, frayed or excessive wear. Replace mounting bracket if detected.

(5) Dispose of M100 SDS when damaged or after use in accordance with local environmental requirements and unit SOP.

e. Reactive Skin Decontamination Lotion (RSDL) (TM 11075A-OR/1)

WARNING

DO NOT MIX RSDL OR RSDL TRAINING LOTION WITH SOLID, UNDILUTED HIGH-TEST HYPOCHLORITE (HTH) OR SUPER TROPICAL BLEACH (STB). HEAT AND/OR FIRE MAY RESULT. AVOID CONTACT WITH EYES AND WOUNDS. IF CONTACT WITH EYES OR WOUNDS OCCUR, RINSE WITH WATER AS SOON AS POSSIBLE.

(1) RSDL Stored in Original Plastic Overwrap

(a) Check packaging for proper marking of lot number, date of manufacture, NSN, and shelf life expiration date.

(b) Check plastic overwrap for damage or holes.

(2) RSDL Not Stored in Original Plastic Overwrap.

(a) Check the pouches for holes, tears, damage leaks or stain per operator's manual.

(b) Check that there are three packets per kit.

(c) Check packaging for proper marking of lot number, date of manufacture, NSN, and shelf life expiration date.

(d) The packets should be flexible and the sponge applicator pad clearly felt flexing inside the pouch.

(e) Dispose of any leaking packets in accordance with local environmental requirements and unit SOP.

(3) Storage in extreme heat will degrade RSDL and greatly reduce the shelf life. RSDL must be stored in climate controlled environment at 34^0 – 86° Fahrenheit (1°- 30° centigrade).

f. Joint Service Personnel Decon System Training Kit (T/RSDL). This training kit has no inspection requirements.

APPENDIX D

DETECTION ALARMS, KITS, AND PAPER

D-1. Scope. This appendix contains procedures for conducting visual and operational examinations for all items listed in Table D-1.

D-2. Policy. These requirements are to be used to provide an effective serviceability standard encompassing the minimum inspection needed to determine material serviceability. Any item found unserviceable or in a non-operational condition that cannot be repaired at the issuing facility/organization will be identified to PM CSE for repair or disposal approval.

D-3. Visual and Operational Inspection Procedures. Items shall be visually and operationally inspected for defects as indicated below and as identified in the appropriate Technical Manual (TM).

Table D-1. Detection Alarms, Kits, and Paper

TAMCN	ID NO.	NOMENCLATURE	NSN	SLC	IFC
A00267G	11336A	RADIAC Set, AN/PDR-77	6665-01-347-6100	0	
A00817G	11323A	RADIAC, AN/UDR-13	6665-01-407-1237	0	
C20327A	09717C	CAM, Monitor, Chemical Agent, 2.0	6665-99-725-9996	0	
C21012E	08125B	M256A1, Detector Kit, Chemical Agent	6665-01-133-4964	S	5
		M256A2, Detector Kit, Chemical Agent	6665-01-563-7473	S	5
		M256A2, Low Volatility Hazard (LVH) Refill Kit	6665-01-564-3795	S	5
C21042E	11568A	M4, Joint Chemical Agent Detector (JCAD)	6665-01-552-2704	9	
C21087B	10434A	M22, Automatic Chemical Agent Detection Alarm, (ACADA)	6665-01-438-6963	0	
C21102E	08711B	M9A1, Paper, Chemical Detector	6665-01-226-5589	W	4
C23752E	09626A	M272, Water Testing Kit, Chemical Agents	6665-01-134-0885	S	5
K46852E	01857C	M8, Paper, Chemical Detector	6665-00-050-8529	0	5
KZ281	N/A	NATO Marking Kit	9905-01-346-4716	0	

TAMCN	ID NO.	NOMENCLATURE	NSN	SLC	IFC
K4815	01852A	Hand Held Siren	6350-00-270-5510	0	

a. RADIAC Set, AN/PDR-77 (TM 11-6665-365-10, TM 11-6665-365-12&P)

(1) Ensure record jacket is present and reflects current operational checks and Preventative Maintenance Checks and Services (PMCS) have been completed per the applicable TM.

(2) Conduct inventory of components per applicable TM.

(3) Ensure calibration sticker is present and within calibration. Calibration cycle is every 36 months.

b. RADIAC, AN/UDR-13 (TM 11-6665-364-12)

(1) Ensure record jacket is present and reflects current operational checks and PMCS have been completed per the applicable TM.

(2) Conduct inventory of components per the applicable TM.

(3) Ensure calibration sticker is present and within calibration. Calibration cycle is every 36 months.

c. Chemical Agent Monitor (CAM) 2.0/ 1.5 (TM 09717A/09717C-12/1)

(1) Ensure record jacket is present and reflects current operational checks and PMCS have been completed per the applicable TM.

(2) Conduct inventory of components per the applicable TM.

(3) Ensure wipe tests are conducted per Marine Corps regulations.

(4) Conduct and ensure semi-annual inventories are reported in accordance with the references listed in the below note.

NOTE

Instructions and additional information relating to the wipe test and the inventories are contained in NAVSEA 56470-AB-MMO-100 and NRMP 10-67004-T1 NP.

d. Detector Kit. Chemical Agent M256A1/M256A2/LVH (TM 3-6665-307-10)

(1) Check packaging for proper marking of lot number, date of manufacture, NSN and shelf life expiration information. Check the expiration date stamped on the exterior container and interior packaging. Shelf life is not extendable.

(2) In accordance with the TM, check sampler protective barrier bags for rips, tears, punctures, or unsealing. Check for leakage of contents.

(3) Check for missing components, instruction card/label missing or illegible, and carrying straps not missing. Check for twelve (12) disposable sampler-detectors, and one booklet of M-8 paper.

(4) Unserviceable detector kit packets should be disposed of in accordance with local environmental requirements and unit SOP.

e. M4, Joint Chemical Agent Detector (JCAD) (TM 11568A-OR)

(1) Ensure record jacket is present and reflects current operational checks and PMCS have been completed per the applicable TM.

(2) Conduct inventory of components per the applicable TM.

f. Automatic Chemical Agent Detection Alarm, M22 (ACADA) (TM 10434A-12&P)

(1) Ensure record jacket is present and reflects current operational checks and PMCS have been completed per the applicable TM.

(2) Conduct inventory of components per the applicable TM.

(3) Ensure wipe tests are conducted according to Marine Corps regulations.

(4) Conduct and ensure semi-annual inventories are reported in accordance with the references listed in the below note.

NOTE

Instructions and additional information relating to wipe test and inventories are contained in references NAVSEA 56470-AB-MMO-100 and NRMP 10-67004-T1 NP.

g. Detector paper, M9A1 (TM 3-4240-204-12&P)

(1) Visual. Check packaging for proper marking of lot number, date of manufacture, NSN and shelf life expiration information. Ensure no punctures, rips or tears affect the exterior packaging. Check the discard/expiration date stamped on the exterior packaging. Roll is not shelf life extendable.

(2) Functional

(a) Check discard/expiration date stamped on box. Expired rolls are not mission capable.

(b) Check cardboard dispenser. If it is crushed, wet, or the cutting edge missing, item is not mission capable.

(c) Ensure detector paper is not torn, creased, greasy or dirty.

(d) Ensure reusable plastic storage bag does not show signs of degradation, holes, rips, or tears.

h. Water test kit, M272 (TM 3-6665-319-10)

(1) Check packaging for proper marking of lot number, date of manufacture, NSN and shelf life expiration information. Check the expiration date stamped on the exterior container. Shelf life is not extendable.

(2) Conduct visual examination and PMCS per TM.

WARNING

AVOID ALL BODILY CONTACT WITH CHEMICALS IN WATER TEST KIT. SOME ARE VERY HARMFUL TO YOUR HEALTH. ONLY PERSONNEL WHO ARE PROPERLY TRAINED SHOULD PERFORM KIT TESTS. ALKALINE CHEMICAL USED IN MUSTARD TEST IS EXTREMELY HAZARDOUS. IT CAN CAUSE PERMANENT LOSS OF VISION EVEN IF IMMEDIATE FIRST AID IS APPLIED. IF POSSIBLE, IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 20 TO 30 MINUTES. SEEK IMMEDIATE MEDICAL TREATMENT.

i. Detector paper, M8 (TM 3-6665-307-10, 43-0001-26-2)

(1) Check packaging for proper marking of lot number, date of manufacture, NSN and shelf life expiration information. Check the expiration date stamped on the exterior container. Shelf life is not extendable.

(2) Conduct visual examination to ensure item is not damp or showing signs of water damage. Conduct PMCS per the TM.

j. Marking Set, Contamination: NBC (Marking Kit) (TM 3-9905-001-10)

(1) Inspect case for breaks, carrying straps are not frayed or damaged, clips function properly, and sliding door for markers is functional per the TM.

(2) Inspect mounting stakes for missing, broken or damaged stakes.

(3) Inspect crayons (2 Red) for missing, broken or lost.

(4) Inspect ribbon container and ensure 13 rolls of yellow ribbon are present.

(5) Inspect flag containers for 1 roll consisting of 20 white flags, 1 roll consisting of 20 blue flags, and 1 roll consisting of 20 yellow flags.

k. Siren, Hand Held (K4815). Inspect handle for breakage. Crank handle to ensure a producible siren is evident. If no siren is evident, return to issue facility for replacement.

APPENDIX E

FILTER UNITS, CANISTERS AND ELEMENTS

E-1. Scope. This appendix contains procedures for conducting visual examinations for all items listed in Table E-1.

E-2. Policy. These requirements are used to provide an effective serviceability standard encompassing the minimum inspection needed to determine material serviceability. Any item found in unserviceable condition will be returned to the issuing facility for disposal in accordance with local environmental requirements.

Table E-1. Filter Units, Canisters and Elements

NOMENCLATURE	PRINCIPAL END ITEM	NSN	SLC	IFC
M2A2 Air Purifier (Consists of M12A2 and M13 filters)	AVLB (E0150), M88A1 (E1378), M9 MARINE ACE (B0589)	4240-01-026-3112	9	5
M12A2 Gas Filter	AVLB (E0150), M88A1 (E1378), M9 MARINE ACE (B0589)	4240-01-365-0981	9	4
M13 Particulate Filter	AVLB (E0150), M88A1 (E1378), M9 MARINE ACE (B0589)	4240-00-368-6291	9	4
M18A1. Filter. Gas.	M1A1 (E1888), ABV (B0160), Truck Ambulance (D1001), Contact Van (E1378)	4240-01-365-0982	9	5
Precleaner, Air Purifier, M1A1 (consists of M19)	M1A1 (E1888), ABV (B0160), Truck Ambulance (D1001)	4240-01-026-3112	9	5
M19. Particulate Filter	M1A1 (E1888), ABV (B0160), Truck Ambulance (D1001), Contact Van (E1716)	4240-00-866-1825	9	4
C2. Filter, Canister. Chem-Bio	M40/M42 Series Mask	4240-01-119-2315	9	5
C2A1. Filter, Canister. Chem-Bio	M40/M42 Series Mask	4240-01-361-1319	9	5
C2, Filter, Canister, Chem-Bio (Canada)	M40/M42 Series Mask	4240-21-871-7842	9	5
M62, Filter, Canister, Chem/Bio	M50/M51 Series Mask	4240-01-529-2289	9	5

NOMENCLATURE	PRINCIPAL END ITEM	NSN	SLC	IFC
Filter, Canister, Chem/Bio	M53 Series Mask	4240-01-529-8322	9	
M48A1 Filter, Gas Particulate (part of the M93 Gas Particulate Filter Unit (GPFU))	M1A1 (E1888), ABV (B0160), MRAP	4240-01 -363-1311	9	5

E-3. Visual Inspection Procedures. Items shall be visually inspected for defects as indicated in the following subparagraphs and as identified in appropriate Technical Manual's (TM's) to include SB 740-94-6 concerning Filter inspections and TM 3-4240-276-30&P concerning Purifier and Pre-cleaner inspections.

CAUTION

The inspection of filters and/or canisters is limited to verifying the equipment data on the labeling and the serviceability of the packaging material. At no time will the filter/canister be removed from its packaging unless it is being employed.

a. Check packaging for proper marking of lot number, contract number, date of manufacture, National Stock Number (NSN) and shelf life expiration information.

b. For items packaged in a barrier bag, check manufacturer's seal for continuous closure and loss of vacuum seal. Check packaging for holes, cuts, tears or open seams. For items packaged in a hard container (i.e., C-2 canister), check the case for damage, corrosion, and to ensure the key to open the container is not missing.

c. Inspect for holes, tears or cracks penetrating the hose, and inspect for kinks on normal flexing (hoses only).

d. Inspect gasket/rubber seals are present and not damaged (all filter elements/canisters).

e. Inspect filter for evidence of moisture.

f. Inspect mounting/threads for dents or damage (all filter elements/canisters).

g. Check for serviceability in JACKS: https://jacks.jpeocbd.army.mil/Jacks/login.fcc.

h. Inspect for permanent set or distortion affecting airflow.

APPENDIX F

MANUAL SHELF LIFE FILE RECORD SYSTEM

F-1. Scope. This appendix provides instruction for using a manual Shelf Life File Record (SLFR) system. The SLFR will only be used when the Marine Corps automated system, such as the CBRN Tracker or WXDEMP, is not available.

a. Only one CONTRACT NO is authorized per record.

b. More than one LOT NO may be recorded per record provided all LOT NO's have the same CONTRACT NO.

c. File SLFR by expiration date. This will alert you to inspection due dates.

d. Use of an electronic SLFR is authorized and encouraged when submitted in the format shown in Figure F-1.

TAMCN:	NOMEN:	EXP DATE:	REP DATE:
NSN: NO:		SLC:	ID
RDN:			
CONTRACT NO:			
LOT NO:	QTY:	DATE OF MFR:	LOCATION:
T/E AUTH:	ON HAND:		

(FRONT)

DATE	ACTION PERFORMED	NEXT INSP DATE	REMARKS

(BACK)

Figure F- 1. Shelf Life File Record

APPENDIX G

STANDARD FORM SF-368
PRODUCT QUALITY DEFICIENCY REPORT (PQDR)

G-1. Purpose. The primary purpose of a Product Quality Deficiency Report (PQDR) is to provide information to activities responsible for development, procurement, and management of equipment concerning deficiencies in material, design, or procurement. This information enables activities to initiate action to correct a reported deficiency. Proper use of a PQDR will ensure identified deficiencies are addressed through formal configuration management.

G-2. References. PQDRs will be submitted IAW MCO 4855.10B. Marine Corps Logistics Command has developed the LOGCOM PQDR Users Guide, which is available at http://www.logcom.usmc.mil/pqd/.

a. The PQDR is used by all levels of supply/maintenance to report:

(1) A condition constituting a hazard to personnel or materiel.

(2) A design of items or components which impedes proper operation, maintenance or handling of materiel or item.

(3) Faulty materiel or workmanship.

(4) Excessive wear or deterioration for a period of time and for the condition under which the item was intended to remain serviceable.

(5) Operation or performance of equipment in the course of normal operations that fail to meet stated operational limits.

b. The PQDR will not be used to report materiel that fails as a result of improper or inadequate maintenance, or has become unserviceable due to any of the following:

(1) Failure to perform scheduled maintenance.

(2) Performance of unnecessary, excessive maintenance.

(3) Improper performance of maintenance.

(4) Improper handling during storage.

(5) Excessive use, abuse, or damage.

APPENDIX H

STANDARD FORM SF-364
SUPPLY DISCREPANCY REPORT (SDR)

H-1. Purpose. The SDR is used to describe certain deficiencies in materiel at the time of receipt. Normally, the SDR will be submitted within 15 calendar days of receipt.

H-2. References. SECNAVINST 4355.18A and local directives. All SDRs will be submitted IAW the references and guidance provided within this TI.

a. Shipping Type Discrepancies

NOTE

Dollar value reporting criteria for DLA directed shipments apply to the Army, Navy, and Air Force. It does not apply to the Marine Corps, and the criteria listed below will apply.

(1) Shortages/overages in excess of $100 per item.

(2) Erroneous materials, unacceptable substitutes or duplicate shipments regardless of value.

(3) Condition of items found to be other than shown on receipt document. Must be in excess of $100 per item.

(4) Materiel received for which shelf life has expired and there is no indication the item has been inspected under shelf life procedures. Must be in excess of $100 per item.

(5) Repetitive discrepancies observed on materiel received from the same issue point.

b. Packaging Discrepancies

(1) Packaging discrepancies resulting in damage to materiel.

(2) Improper marking of containers or items which require opening of the container to confirm content (e.g. markings (including National Stock Number) omitted/incorrect/incomplete, item description, quantity, unit of issue, contract number, level of protection, date, gross weight, cube and shelf life).

(3) Any packaging discrepancy involving hazardous material.

c. SDR Do's and Don'ts

(1) Do not - enter information such as "Improper Marking".

(2) Do – enter information as "Wrong NSN on unit container".

(3) Do not – enter information such as "Improper packaging".

(4) Do – enter information as "Material is not packed and labeled correctly".

(5) Do not – enter information such as "Improper preservation".

(6) Do – enter information as "In lieu of Method 50, Method 10 was used".

d. Summary

(1) SDR's are for packaging discrepancies.

(2) SDR's are used for tracking contractor non-compliance of packaging and marking requirements.

(3) Corrective action should be an outcome of this process.