TM 10-8470-207-10

TECHNICAL MANUAL OPERATOR MANUAL FOR

OUTER TACTICAL VEST (OTV)

PART OF THE INTERCEPTOR BODY ARMOR SYSTEM

DISTRIBUTION STATEMENT A – Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY
28 APRIL 2010

WARNING SUMMARY

This warning summary contains general safety warnings and hazardous materials warnings that must be understood and applied during operation and maintenance of this equipment. Failure to observe these precautions could result in serious injury or death to personnel. Also included are explanations of safety and hazardous material icons used within the technical manual.

FIRST AID DATA

For first aid information, refer to FM 4-25.11.

WARNING DESCRIPTIONS

WARNING

Pressing, starching, dry cleaning, or the use of fabric softener will degrade the IBA. Failure to following these instructions could result in harm to the soldier.

WARNING

Do not machine wash or dry. Failure to follow these instructions may render your IBA useless against ballistic threats.

WARNING

Do not machine wash or dry the ESAPI/ESBI inserts. Failure to follow these instructions may degrade the ESAPI/ESBI ballistic protection.

WARNING

Service members must ensure they have the correct protective inserts. The ESAPI and ESBI have green covers and provide a higher level of protection than the Small Arms Protective Insert (SAPI) which has a black cover. ESAPI should be worn by all personnel in-theater. If a service member has the older black SAPI plates, they should be turned in and replaced with green ESAPI plates. Failure to ensure the correct plate while conducting combat operations may result in injury or death.

WARNING

Fabric repair in this work package does not apply to the fabric on the soft ballistic inserts. Any damage to the soft ballistic inserts is cause for turn in. Failure to follow these instructions could result in degraded ballistic protection.

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LIST OF EFFECTIVE PAGES/WORK PACKAGES

NOTE: Zero in the "Change No." column indicates an original page or work package.

Date of issue for the original manual is:

Original 28 April 2010

TOTAL NUMBER OF PAGES FOR FRONT AND REAR MATTER IS 10 AND TOTAL NUMBER OF WORK PACKAGES IS 15, CONSISTING OF THE FOLLOWING:

Page / WP No.	Change No.
Title (2 pgs)	0
Warning (2 pgs)	0
i-vi (6 pgs)	0
Ch 1 title page (2 pgs)	0
WP 0001 (4 pgs)	0
WP 0002 (10 pgs)	0
WP 0003 (2 pgs)	0
Ch 2 title page (2 pgs)	0
WP 0004 (12 pgs)	0
WP 0005 (4 pgs)	0
WP 0006 (2 pgs)	0
Ch 3 title page (2 pgs)	0
WP 0007 (2 pgs)	0
WP 0008 (14 pgs)	0
Ch 4 title page (2 pgs)	0
WP 0009 (2 pgs)	0
WP 0010 (4 pgs)	0
WP 0011 (2 pgs)	0
WP 0012 (2 pgs)	0
Ch 5 title page (2 pgs)	0
WP 0013 (2 pgs)	0
WP 0014 (10 pgs)	0
WP 0015 (2 pgs)	0

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HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, D.C., 28 APRIL 2010

TECHNICAL MANUAL OPERATOR MANUAL

FOR OUTER TACTICAL VEST (OTV)

A PART OF THE INTERCEPTOR BODY ARMOR SYSTEM

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, TACOM Life Cycle Management Command, ATTN: AMSTA-LCL-MPP/TECH PUBS, 1 Rock Island Arsenal, Rock Island, IL 61299-7630. You may also send in your recommended changes via electronic mail or by fax. Our fax is DSN 793-0726, and Commercial 309-782-0726. Our e-mail address is TACOMLCMC.DAFORM2028@us.army.mil. A reply will be furnished to you.

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TM 10-8470-207-10

TABLE OF CONTENTS

	$\frac{\text{WP Sequence No.}}{\text{Page No.}}$
Warning Summary	<u>r age 140.</u> a
How to Use This Manual	iv
Chapter 1 – General Information, Equipment Description, and Theory of Operation for Outer Tactical Vest (OTV)	
General Information	WP 0001
Table 1. Nomenclature Cross Reference List	0001-2
Table 2. List of Abbreviations/Acronyms	0001-3
Equipment Description and Data	WP 0002
Figure 1. Outer Tactical Vest	0002-3
Figure 2. Yoke/Collar Assembly	0002-4
Figure 3. Throat Protector Assembly	0002-4
Figure 4. Deltoid Axillary Protection System (DAPS)	0002-5
Figure 5. Groin Protector Assembly	0002-6
Figure 6. ESBI Plates	0002-7
Figure 7. ESAPI Plates	0002-7
Table 1. OTV System Maximum Weight Chart (in po	unds) 0002-9
Theory of Operation	WP 0003
Chapter 2 – Operator Instructions for Outer Tactical Vest (OTV)	
Operation Under Usual Conditions – Assembly	WP 0004
Table 1. OTV Inventory	0004-2
Table 2. OTV Component Sizing Chart	0004-6
Figure 1. Inserting OTV Soft Ballistic Inserts	0004-8
Figure 2. Front-Right and Back Soft Ballistic Insert	
Interface (Carrier Not Shown for Clarity)	0004-9
Figure 3. Attaching Back Collar	0004-11
Operation Under Usual Conditions - Don, Doff, Adjust	WP 0005
Figure 1. Donning OTV	0005-2
Figure 2. Attaching Throat Protector Assembly	0005-3
Figure 3. Doffing OTV	0005-4
Figure 4. Securing Left Shoulder Strap	0005-4

TM 10-8470-207-10

TABLE OF CONTENTS - CONTINUED

	WP Sequence No. Page No.
Operation Under Unusual Conditions	WP 0006
Chapter 3 – Preventive Maintenance Checks and Services for Outer Tactical Vest (OTV)	
Preventive Maintenance Checks and Services (PMCS) In	troductionWP 0007
Preventive Maintenance Checks and Services (PMCS)	WP 0008
Table 1. Preventive Maintenance Checks and Serv	
Figure 1. Smoothing out OTV	0008-3
Figure 2. ESAPI Inspection	0008-5
Figure 3. Donning OTV	0008-7
Figure 4. OTV Inventory	0008-10
Figure 5. Cleaning Restrictions	0008-11
Chapter 4 – Maintenance Instructions for Outer Tactical Vest (O	TV)
Preparation for Storage and Shipment	WP 0009
OTV Service - Cleaning and Drying	WP 0010
ESAPI/ESBI Inserts -Inspect, Repair	WP 0011
OTV Service – Fabric Repair	WP 0012
Figure 1. Straight Stitch	0012-1
Figure 2. Edge Sew	0012-1
Figure 3. Turn Edge Under and Sew	0012-2
Chapter 5 – Supporting Information for Outer Tactical Vest (OTV)	
References	WP 0013
Components of End Item (COEI) and Basic Issue Items (E	BII) Lists WP 0014
Table 1. Components of End Item (COEI) – OTV	0014-2
Table 2. Basic Issue Items (BII) - OTV	0014-7
Expendable and Durable Items List	WP 0015
Table 1. Expendable and Durable Items List	0015-2

HOW TO USE THIS MANUAL

HOW TO OBTAIN TECHNICAL MANUALS

When a new system is introduced to the Army inventory, it is the responsibility of the receiving units to notify and inform the Unit Publications Clerk that a Technical Manual is available for the new system. Throughout the life cycle of the new system, the Publications Proponent will also provide updates and changes to the Technical Manual.

To receive new Technical Manuals or change packages to fielded Technical Manuals, provide the Unit Publications Clerk the full Technical Manual number, title, date of publication, and number of copies required. The Unit Publications Clerk will then justify the request through the Unit Publications Officer. When the request is approved, DA Form 12-R is used to order the Technical Manual from the Army Publishing Directorate (APD). Obtain the form and request a publications account from the APD Web site at http://www.apd.army.mil. Once on the Website click on the "Orders/Subscriptions/Reports" tab. From the dropdown menu, select "Establish an

"Orders/Subscriptions/Reports" tab. From the dropdown menu, select "Establish an Account," then select "Tutorial" and follow the instructions in the tutorial presentation.

Complete information for obtaining Army publications can be found in DA PAM 25-33.

Organization of This Manual

In this manual, primary chapters appear in upper case/capital letters; work packages are presented in numeric sequence, e.g., 0001, 0002; paragraphs within a work package are not numbered and are presented in a titled format. For a first level paragraph, titles are in all bold, upper case, capital letters, e.g., **FRONT MATTER**. Subordinate paragraph titles will have the first letter of the first word of each principle word all upper case, capital letters, all bold, e.g., **Manual Organization and Page Numbering System**. The location of additional material that must be referenced is clearly marked. Illustrations supporting maintenance procedures/text are located underneath, or as close as possible to, their referenced paragraph. Notes, Cautions, and Warning are located directly above the procedure to which they apply.

FRONT MATTER. Front matter consists of front cover, warning summary, title block, table of contents, and how to use this manual page.

CHAPTER 1 - GENERAL INFORMATION, EQUIPMENT DESCRIPTION, AND THEORY OF OPERATION. Chapter 1 contains introductory information on the Interceptor Body Armor (IBA) as well as theory of operation.

HOW TO USE THIS MANUAL - CONTINUED

CHAPTER 2 - OPERATOR INSTRUCTIONS. Chapter 2 contains information on assembling, donning, doffing and operating the IBA system..

CHAPTER 3 – PREVENTIVE MAINTENANCE CHECKS AND SERVICES. Chapter 3 identified preventive maintenance checks and services information.

CHAPTER 4 – MAINTENANCE INSTRUCTIONS. Chapter 4 provides maintenance procedures, preparations for storage and shipment authorized at the service level.

CHAPTER 5 - SUPPORTING INFORMATION. Chapter 5 contains references, Components of End Items List (COEI), Basic Issue Items List (BII), and expendable and durable items list.

REAR MATTER. Rear matter consists of alphabetical index, DA Form 2028, authentication page, and back cover.

Manual Organization and Page Numbering System. The manual is divided into eight major chapters that detail the topics mentioned above. Within each chapter are work packages covering a wide range of topics. Each work package is numbered sequentially starting at page 1. The work package has its own page numbering scheme and is independent of the page numbering used by other work packages. Each page of a work package has a page number of the form XXXX-YY where XXXX is the work package number (e.g. 0010 is work package 10) and YY represents the number of the page within that work package. A page number such as 0010-1/2 blank means that page 1 contains information but page 2 of that work package has been intentionally left blank.

Finding Information. The table of contents permits the reader to find information in the manual quickly. The reader should start here first when looking for a specific topic. The table of contents lists the topics, figures, and tables contained within each chapter and the work package sequence number where it can be found.

An Alphabetical Index can be found at the back of the manual; specific topics are listed with the corresponding work package number.

WARNINGS, CAUTIONS, AND NOTES

A warning identifies a clear danger to the person doing that procedure.

A caution identifies risk of damage to the equipment.

A note is used to highlight essential procedures, conditions, or statements or convey important instructional data to the user.

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CHAPTER 1

GENERAL INFORMATION, EQUIPMENT DESCRIPTION,
AND THEORY OF OPERATION
FOR
OUTER TACTICAL VEST (OTV)

OPERATOR MAINTENANCE OUTER TACTICAL VEST GENERAL INFORMATION

SCOPE

This technical manual provides operator instructions for the Outer Tactical Vest (OTV), Enhanced Small Arms Protective Insert (ESAPI), Enhanced Side Ballistic Inserts (ESBI), and ancillary equipment of the Interceptor Body Armor (IBA) system.

MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by (as applicable) DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual; DA PAM 738-751, Functional Users Manual for the Army Maintenance Management Systems - Aviation (TAMMS-A); or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your Outer Tactical Vest needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. If you have Internet access, the easiest and fastest way to report problems or suggestions is to go to https://aeps.ria.army.mil/aepspublic.cfm (scroll down and choose the "Submit Quality Deficiency Report" bar). The Internet form lets you choose to submit an Equipment Improvement Recommendation (EIR), a Product Quality Deficiency Report (PQDR or a Warranty Claim Action (WCA). You may also submit your information using an SF 368 (Product Quality Deficiency Report). You can send your SF 368 via e-mail, regular mail, or facsimile using the addresses/facsimile numbers specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual. We will send you a reply.

CORROSION PREVENTION AND CONTROL (CPC)

Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with any items be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.

Plastics, composites, and rubbers can also degrade. Degradation is caused by thermal (heat), oxidation (oxygen), solvation (solvents), or photolytic (light, typically UV) processes. The most common exposures are excessive heat or light. Damage from these processes will appear as cracking, softening, swelling, and/or breaking.

SF Form 368, Product Quality Deficiency Report should be submitted to the address specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual.

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Destruction of Army materiel to prevent enemy use shall be in accordance with TM 750-244-1-2.

PREPARATION FOR STORAGE AND SHIPMENT

Refer to WP 0009 for storage and shipping procedures.

NOMENCLATURE CROSS REFERENCE LIST

Table 1. Nomenclature Cross-Reference List.

COMMON NAME	OFFICIAL NOMENCLATURE
100 mile-per-hour Tape	Pressure Sensitive Adhesive
	Tape
Ballistic Collar	Yoke/Collar Assembly
Duct Tape	Pressure Sensitive Adhesive
	Tape
Hard Armor Protective Inserts	Small Arms Protective Inserts
Hard Armor Protective Inserts	Enhanced Small Arms Protective
	Inserts
Hard Armor Protective Inserts	X-Small Arms Protective Insert
Hard Armor Protective Inserts	Enhanced Side Ballistic Inserts
Rigger's Tape	Pressure Sensitive Adhesive
	Tape

LIST OF ABBREVIATIONS AND ACRONYMS

Table 2. List Of Abbreviations And Acronyms.

ABBREVIATION / ACRONYM	DEFINITION
BII	Basic Issue Item
CIF	Central Issue Facility
COEI	Component of End Item
ea	Each
EIR	Equipment Improvement
	Recommendation
ESAPI	Enhanced Small Arms Protective
	Inserts
ESBI	Enhanced Side Ballistic Inserts
FM	Field Manual
ft	Foot
lb	Pound(s)
MOLLE	Modular Lightweight Load-Carrying
	Equipment
NIIN	National Item Identification Number
NSN	National Stock Number
P/N	Part Number
PMCS	Preventive Maintenance Checks
	and Services
SAPI	Small Arms Protective Inserts
SF	Standard Form
TM	Technical Manual
WP	Work Package
XS	Extra-Small
S	Small
M	Medium
ML	Medium-Long
L	Large
LL	Large-Long
XL	Extra Large
XLL	Extra Large-Long
2XL	Extra Extra Large
3XL	Extra Extra Large
4XL	Extra Extra Extra Large

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST EQUIPMENT DESCRIPTION AND DATA

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

The Interceptor Body Armor (IBA) system is a modular system that consists of a vest, hard armor, and attachments (ancillary equipment) that increase area of coverage and level of protection.

The IBA system is issued to Soldiers in a variety of configurations. Some vests are issued with ancillary equipment while with other vests, ancillary equipment is issued separately. Therefore, the term ancillary equipment, as used in this manual, is used to describe the attachments to the base vest configuration. Refer to the Components of End Item (COEI) list and Basic Issue Items (BII) lists for the OTV to determine which attachments are issued with each configuration.

Vest

The IBA vest comes in three basic configurations: the Outer Tactical Vest (OTV), the Improved Outer Tactical Vest (IOTV) and the Improved Outer Tactical Vest (IOTV) Gen II. This manual covers the OTV configuration.

The OTV is a single-piece vest that is donned and doffed in a manner similar to an ACU blouse. It is opened and closed in the front and arms go through arm holes.

Hard Armor

There are two types of hard armor protective inserts: inserts that protect the side of the Soldier and inserts that protect the front and back of the Soldier. All hard armor protective inserts are made of a ceramic material covered in cloth. The hard armor protective inserts are curved to fit the body.

The Enhanced Side Ballistic Inserts (ESBI) protect the Soldier's side. The Small Arms Protective Inserts (SAPI), which are black, and Enhanced Small Arms Protective Inserts (ESAPI), which are green, protect the Soldier's front and back.

The SAPI plates are authorized for training use only. They do not provide the appropriate level of ballistic protection for deploying Soldiers and shall never be issued to deploying Soldiers. All further references to hard armor protective inserts will be for the ESAPI and ESBI.

Ancillary Equipment

Ancillary equipment for the OTV includes the yoke/collar assembly, throat protector assembly, deltoid axillary protection system (DAPS), and groin protector. When added to the vest, these items increase the area of ballistic protection. Some items of ancillary equipment may be issued as a part of the base vest assembly, depending on the configuration. Refer to the COEI and BII for this information.

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES – CONTINUED

Interoperability

The OTV is compatible with Modular Lightweight Load-carrying Equipment (MOLLE) components.

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

Vest

The OTV (Figure 1) consists of a back panel, front right panel and front left panel. The front panels are connected to the back panel with three pieces of nylon webbing at each side and are also attached at the shoulders. After donning the vest, the front panels are secured using hook and loop fastener tape and snap fasteners.

The back panel has an ESAPI pocket at the top that can be accessed while the vest is worn. The front right panel has an ESAPI pocket that can also be accessed while the vest is worn. The front ESAPI pocket has an eject strap that allows the user to quickly eject the hard armor protective insert. The fit of the vest is adjusted using the nylon webbing at each side of the vest.

The vest has MOLLE webbing located on both the front and back panels.



Figure 1. Outer Tactical Vest.

Ancillary Equipment

Ancillary equipment for the OTV consists of the yoke/collar assembly, throat protector assembly, deltoid axillary protection system (DAPS), ESBI carrier assembly, and groin protector assembly.

Each item of ancillary equipment consists of a soft ballistic insert and a carrier outershell component.

Yoke/Collar Assembly and Throat Protector Assembly. The yoke/collar assembly (Figure 2) comes with two ballistic inserts and provides additional ballistic protection to the back of the neck and shoulders. The throat protector assembly (Figure 3) comes with one ballistic insert and provides additional ballistic protection to the throat.



Figure 2. Yoke Assembly.



Figure 3. Throat Protector Assembly.

Deltoid Protector Assembly and Deltoid & Axillary Protection System (DAPS). The DAPS (Figure 4), as part of the OTV, provides additional ballistic protection to the shoulders, upper arms and sides. The DAPS consists of a deltoid protector assembly and an axillary protector assembly. The deltoid protector assembly for the DAPS is interchangeable with the deltoid protector assembly for the IOTV and IOTV Gen II.

They attach to the shoulder sections of the vest and use a strap with hook and loop fastener tape to keep the protectors wrapped around the arm.



Figure 4. Deltoid Axillary Protection System (DAPS).

Groin Protector Assembly. The groin protector assembly (Figure 5) provides additional protection for the femoral arteries and pelvis. The groin protector assembly attaches to the inside of the front carrier using two nylon straps and snap fasteners.

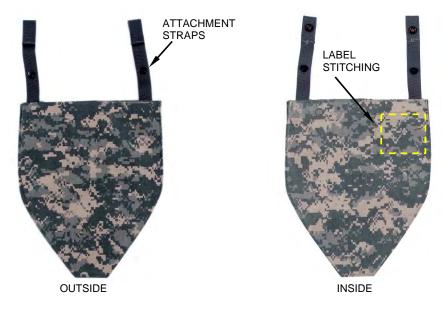


Figure 5. Groin Protector Assembly.

Hard Armor

There are two types of hard armor plates: ESBI and ESAPI.

ESBI. The two ESBI (Figure 6) provide side protection against 7.62 mm bullets. The concave side is worn toward the body.



Figure 6. ESBI Plates.

ESAPI. The two ESAPI (Figure 7) provide protection for the chest and back against 7.62 mm bullets. The concave side is worn toward the body.



Concave Face



Strike Face

Figure 7. ESAPI Plates.

DIFFERENCES BETWEEN MODELS

There is only one model of OTV.

EQUIPMENT DATA

Component	Data
Vest	
Sizes	XS, S, M, L, XL, 2XL, 3XL, 4XL
Protection	9 mm, Fragmentation
Yoke/Collar Assembly Sizes	XS, S, M, L, XL, 2XL, 3XL, 4XL
Protection	
Throat Protector Assembly Sizes Protection	
Groin Protector Assembly Sizes Protection	
Deltoid & Axillary Protector Assembly Sizes Protection	
ESBI Side Plate Carrier Sizes Protection	

EQUIPMENT DATA – CONTINUED

System Weight

Table 1. OTV System Maximum Weight Chart (in pounds).

TM 10-8470-207-10

Finished Component	XS	s	М	L	XL	2XL	3XL	4XL
Base Vest Assembly:	6.64	6.95	7.66	8.38	9.51	9.84	10.81	11.79
Throat Protector Assembly:	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Yoke and Collar Assembly	0.90	0.95	1.00	1.10	1.20	1.30	1.40	1.50
Groin Protector Assembly:	0.70	0.70	0.70	0.85	0.85	0.85	0.85	0.85
DAPS	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
ESAPI Plates (x2)	7.60	9.50	10.90	12.50	14.20	14.20	14.20	14.20
ESBI Plate Carrier (x2)	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
ESBI Plates	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10
Total System Weight	21.59	23.85	26.01	28.58	31.51	31.94	33.01	34.09

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST THEORY OF OPERATION

THEORY OF OPERATION

Different field scenarios will require different levels of protection for the Soldier. Unit commanders will prescribe the level of protection required for a mission.

The most basic configuration of the OTV consists of the vest (back, front-left and front-right) with soft ballistic inserts.

The ancillary equipment provides protection for areas not covered by the basic configuration. The yoke/collar assembly with throat protector provides protection for the shoulders and neck. The deltoid axillary protection system provides protection for the shoulders, upper arms and sides. The groin protector assembly provides protection for the femoral arteries and pelvis.

The next level of protection includes installing hard armor plates. Leave the soft ballistic protection in the vest when installing the hard armor and ensure the soft ballistic protection remains flat and smooth. Insert the side ballistic plates into the side plate pockets.

The IBA (with all hard armor protective inserts and ancillary equipment installed) is designed to protect the Soldier from small-arms fire to include 7.62 mm and 9 mm bullets as well as fragmentation.

END OF WORK PACKAGE

CHAPTER 2

OPERATOR INSTRUCTIONS FOR OUTER TACTICAL VEST (OTV)

OPERATOR MAINTENANCE OUTER TACTICAL VEST OPERATION UNDER USUAL CONDITIONS – ASSEMBLY

INITIAL SETUP

References:

WP 0002

WP 0008

ASSEMBLY AND PREPARATION FOR USE

Inventory

Proper sizing of the OTV is critical to its ability to protect you from ballistic threats. This includes ensuring each component of your IBA system is the correct size.

- 1. Inventory system using Table 1.
- 2. Check the interior side of each component for a data label.
- 3. Ensure each component is the correct size for your system as indicated in Table 2.
 - a. On the first row, find the size of your OTV.
 - As you inventory each component, find that component in the left-most column of Table 2.
 - c. The correct size for each component is listed at the intersection of the row the individual component is listed on and the column that lists the size of your vest.
- 4. If a component is not the correct size or if it does not have a data label, turn it in for a properly sized component.
- 5. Inspect each component using Table 1, WP 0008, Preventive Maintenance Checks and Services.

ASSEMBLY AND PREPARATION FOR USE - CONTINUED

Table 1. OTV Inventory.

Item Name	QTY	U/I	Photo
Vest Outershell	1	ea	
Back Ballistic Insert (located in the Vest Outershell)	1	ea	
Front Right Ballistic Insert (located in the Vest Outershell)	1	ea	
Front Left Ballistic Insert (located in the Vest Outershell)	1	ea	

ASSEMBLY AND PREPARATION FOR USE - CONTINUED

Table 1. OTV Inventory – Continued.

Item Name	QTY	U/I	Photo
Yoke/Collar Assembly	1	ea	
Collar Ballistic Inserts (located in the Yoke/Collar Assembly)	2	ea	
Throat Protector Assembly	1	ea	00
Throat Protector Ballistic Inserts (located in the Throat Protector Assembly)	1	ea	
DAPS (Deltoid Protector Assembly)	2	ea	

ASSEMBLY AND PREPARATION FOR USE - CONTINUED

Table 1. OTV Inventory – Continued.

Item Name	QTY	U/I	Photo
DAPS (Deltoid Protector Ballistic Insert located in the Deltoid Protector Assembly)	2	ea	187.24m
DAPS (Axillary Protector Assembly)	2	ea	
DAPS (Axillary Protector Ballistic Insert located in the Axillary Protector Assembly)	2	ea	The state of the s
Groin Protector Outershell	1	еа	
Groin Protector Ballistic Insert (Located in the Groin Protector Assembly)	1	ea	

Table 1. OTV Inventory – Continued.

Item Name	QTY	U/I	Photo
ESBI Carrier Assembly	2	ea	
ESBI Carrier Ballistic Insert (Located in the ESBI Carrier Assembly)	2	ea	
ESBI	2	ea	STRINE FACE HARDLE WITH CARE
ESAPI	2	ea	TOP SIZE MEDIUM STRIKE FACE U. S. HANDLE WITH CARE

Table 2. OTV Component Sizing Chart.

Vest Size	xs	S	М	L	XL	2XL	3XL	4XL
OTV Carrier	XS	S	М	L	XL	2XL	3XL	4XL
Back, Front Left and Front Right Ballistic Inserts	XS	S	М	L	XL	2XL	3XL	4XL
Yoke/Collar Assembly	XS	S	М	L	XL	2XL	3XL	4XL
Throat Protector Assembly	U	U	U	U	U	U	U	U
Groin Protector Assembly	XS- M	XS-M	XS-M	L-4XL	L-4XL	L-4XL	L-4XL	L-4XL
DAPS	U	U	U	U	U	U	U	U
ESBI Carrier Assembly	U	U	U	U	U	U	U	U
ESAPI Plates	XS	S	М	L	XL	XL	XL	XL
ESBI Plates	U	U	U	U	U	U	U	U

ASSEMBLY AND PREPARATION FOR USE – CONTINUED Assemble OTV

NOTE

The term interior fabric or interior surface means the side of any component of the IBA system that faces the soldier when worn. The term exterior fabric or exterior surface means the side of any component of the IBA system that faces away from the soldier. The term inside surface, inside fabric or inside means the area of any IBA component that is between the exterior and interior surfaces. The inside or inside surface of an IBA component is the portion that touches the soft ballistic inserts.

Inserting Vest Soft Ballistic Inserts

- 1. Place the carrier on a clean surface with the exterior surface facing down.
- 2. Beginning with the right side outershell and soft ballistic insert, open ballistic pocket by separating hook and loop fastener tape.

3. With the label on the soft ballistic insert facing up, fold side area of insert toward the center of the insert (Figure 1).



Figure 1. Inserting OTV Soft Ballistic Inserts.

- 4. Slide the right-front soft ballistic insert into the right-front outershell until shoulder coverage slides into shoulder opening.
- 5. Feed the webbing strap through the carrier shoulder into the back section of the carrier.
- 6. Unfold the soft ballistic insert and secure side of insert using the hook and loop fastener tape on the insert and the carrier.
- 7. Close the right-front outershell using hook and loop fastener tape.
- 8. Repeat steps 1 through 7 for the left-front soft ballistic insert.
- 9. Open the hook and loop fastener tape at the bottom of the back carrier (Figure 2).

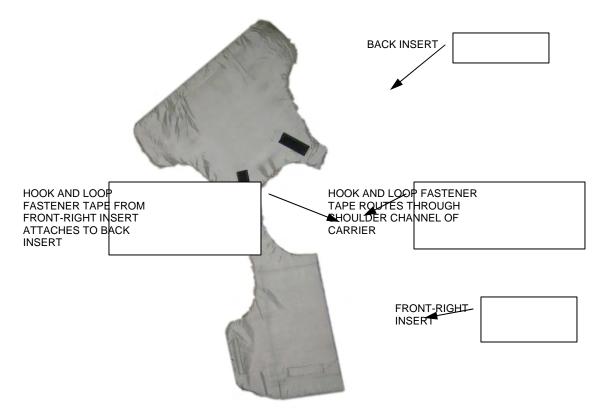


Figure 2. Front-Right and Back Soft Ballistic Insert Interface (Carrier Not Shown for Clarity).

- 10. With the label of the back soft ballistic insert facing up, fold the left and right wings of the back ballistic insert toward the center.
- 11. Slide folded insert into back outershell, feeding ballistic insert at shoulder to meet front ballistic inserts.
- 12. Connect back and front soft ballistic inserts together using hook and loop webbing straps located at the shoulder.
- 13. Unfold left and right wings of back soft ballistic insert and secure to outershell using hook and loop fastener tape.
- 14. Close the back outershell hook and loop fastener tape.

Inserting Ancillary Equipment Soft Ballistic Inserts

- 1. Lay groin protector outershell on a flat surface with the label facing up.
- Open hook and loop fastener tape on the groin protector outershell.
- With the label facing up, place the soft ballistic insert into the groin protector outershell.
- 4. Smooth out the soft ballistic insert, ensuring there are no folds or bunches and that the soft ballistic insert lays completely flat.
- 5. Close the outershell using the hook and loop fastener tape.
- 6. Repeat steps 1 through 5 for remaining ancillary equipment.

END OF TASK

Inserting Front ESAPI

- 1. Open outermost flap of OTV.
- Open ESAPI pocket flap and pull the extraction webbing inside the pocket out as far as it will go.
- Position ESAPI with the angled portion toward the top of the vest and the curved side toward the body.
- 4. Insert ESAPI into the pocket. As the plate is inserted, the webbing will slide automatically into place.
- 5. Close the ESAPI pocket by securing the hook and loop on the flap, allowing the remaining length of webbing strap to fold over the plate.
- Close outer left panel of the OTV.

END OF TASK

Inserting Back ESAPI

NOTE

Inserting the back ESAPI plate while wearing the vest may require a second person to assist.

Loosening the side adjustment straps may help when inserting the back ESAPI plate. Re-adjust straps when finished for proper fit.

- 1. Open back ESAPI plate pocket by lifting pocket flap.
- 2. Slide the ESAPI into pocket with the angled portion toward the top of the vest and the curved side toward the body.
- Close back ESAPI pocket by securing hook and loop on flap.

Installing the Yoke/Collar Assembly

- 1. Lay the carrier on a flat surface with interior surface up.
- 2. Position the yoke/collar assembly on the back of the carrier and secure the sides of collar with the hook and loop fastener tape (Figure 3).
- 3. Weave remaining straps through the mating loops and secure the snap fasteners (Figure 3).



Figure 3. Attaching Back Collar.

END OF TASK

Installing the Ballistic Groin Protector.

- 1. Lay carrier on flat surface with interior surface facing up.
- 2. Insert both straps on groin protector (Figure 20) into the webbing loops on the carrier.
- 3. Fold over and secure the snap fasteners.
- 4. Ensure the data label faces the body when worn.

ASSEMBLY AND PREPARATION FOR USE – CONTINUED Attaching the DAPS

NOTE

Deltoid protectors are universal. There is no right or left deltoid protector.

- 1. Unhook and fully extend deltoid protector upper attachment strap. Route the strap over and under the shoulder of the vest.
- 2. Use the same procedure for attaching both right and left deltoid protectors.
- 3. Secure the deltoid protector around the arm by pulling the loose end of the attachment strap around the arm and securing the hook and loop material.

END OF TASK

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST (OTV)

DON-DOFF

INITIAL SETUP

References:

WP 0004

DON

Prior to donning your IBA, attach all the components necessary to meet mission requirements.

- 1. Open vest at the front and don in the same manner as an ACU jacket (Figure 1).
- 2. After placing on body, hold the left panel against chest.
- 3. With left panel's outer flap open, bring right front panel straight across and secure hook and loop.

NOTE

Snaps are intended as a backup closure, and only need to be secured if the hook and loop fails.

- 4. Close outer left panel flap so that hook and loop is closed.
- 5. Pull forward on loose ends of outer adjustment straps at sides to tighten vest comfortably.



Figure 1. Donning OTV.

Attach Throat Protector

- 1. Using attachment webbing on throat protector, snap left side of throat protector to left side of collar at tightest position comfortable.
- 2. Repeat process for right side.
- 3. Open top section of OTV outershell.
- 4. Place throat protector attachment webbing hook and loop to the OTV front opening hook and loop.
- 5. Close OTV flap to secure.



Figure 2. Attaching Throat Protector Assembly.

DOFFING

- 1. Pull open the left front flap apart from right front flap.
- 2. Slip OTV off shoulders.





Figure 3. Doffing OTV.

OPERATOR MAINTENANCE OUTER TACTICAL VEST OPERATION UNDER UNUSUAL CONDITIONS

INITIAL SETUP

References:

FM 3.11.3

INTERCEPTOR BODY ARMOR (IBA)

The IBA is constructed to function in various temperature ranges and displays resistance to potentially caustic elements such as salt water.

Hard Armor Ballistic Inserts

The hard armor ballistic inserts are designed to be structurally and ballistically functional from -60 to 160 degrees Fahrenheit. The inserts are also designed for resistance to fluids such as diesel, gasoline and salt water. The inserts can be immersed in these fluids up to two hours before functionality is affected.

Ballistic Inserts

The soft armor is designed to meet 97.6% of the minimum performance of a dry sample when hot or cold, and 92.7% of the minimum performance of a dry sample when wet or diesel or gas soaked. Extreme heat or cold does not affect the ballistic inserts.

Fording and Swimming

Swimming or fording while wearing the OTV could be fatal because of the weight of the system. Before swimming or fording doff the OTV.

Interim Chemical, Biological, Radiological and Nuclear (CBRN) Decontamination Procedures

If the IBA is exposed to any Chemical, Biological, Radiological, and Nuclear (CBRN) elements dispose of it in accordance with FM 3.11.3.

END OF WORK PACKAGE

CHAPTER 3

PREVENTIVE MAINTENANCE CHECKS AND SERVICES FOR OUTER TACTICAL VEST (OTV)

OPERATOR MAINTENANCE OUTER TACTICAL VEST

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) - INTRODUCTION

INTRODUCTION

Preventive Maintenance Checks and Services (PMCS) are performed to keep clothing items in good serviceable condition and ready for issue. Pay attention to **WARNING**, **CAUTION**, and **NOTE** statements. A **WARNING** indicates that someone could be hurt or killed. A **CAUTION** indicates that equipment could be damaged. A **NOTE** may make your maintenance or repair task easier.

Be sure to perform scheduled PMCS. Always perform PMCS in the same order so it becomes habit. With practice, you will quickly recognize problems with the equipment.

Use DA Form 2404, Equipment Inspection and Maintenance Worksheet, to record any discovered faults. Do not record faults that you fix!

PMCS PROCEDURES

Table 1. Preventive Maintenance Checks and Services (PMCS). Lists inspections and care required to keep your equipment in good operating condition. It is arranged so that you can perform before operation checks as you walk around the equipment.

EXPLANATION OF PMCS TABLE COLUMNS:

Item Number. Indicates the reference number. When completing DA Form 2404, Equipment Inspection and Maintenance Worksheet, include the item number for the item to check/service indicating a fault. Item numbers appear in the order you must perform the checks/services listed.

Interval. Indicates when you must perform the procedure in the procedure column.

Before – perform before equipment operation
During – perform during equipment operation
After – perform after equipment has been operated
Weekly – perform every week
Monthly – perform each month
Hours – perform at the noted hourly interval

Item to Check/Service. Indicates the item to be checked or serviced.

EXPLANATION OF PMCS TABLE COLUMNS – Continued

Procedure. Indicates the procedure you must perform on the item listed in Item to Check/Service column. You must perform the procedure at the time specified in the Interval column.

Not Fully Mission Capable If. Indicates faults which will prevent your equipment from performing its primary mission. If you perform procedures listed in Procedure column which show faults listed in this column, do not operate the equipment. Follow standard procedures for maintaining the equipment or reporting equipment failure.

Other Special Entries. Observe all special information and notes that appear in Table 1.

When a check/service procedure is required for both weekly and before intervals, it is not necessary to perform the procedure twice if the equipment is operated during the weekly period.

COMMON CHECKS AND CLEANING

Cleaning

Observe the cleanliness of clothing articles as part of the item's serviceability. Remove loose dirt, sand, and debris from all items.

END OF WORK PACKAGE

OPERATOR MAINTENANCE

OUTER TACTICAL VEST

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

INITIAL SETUP

References: Materials/parts:

WP 0015 Cleaning Foam System, Outer Vest (WP

0015, Item 1)

General

Preventive maintenance checks and services (PMCS) are performed to keep the OTV in operating condition. The checks are used to find, correct, and report problems. The operator is to do the PMCS tasks shown in PMCS

Table 1. PMCS is to be done before and after use of the IBA system and monthly.

Before you use the IBA, perform PMCS.

After you have used the IBA, perform PMCS.

PMCS Column Description

Column (1) ITEM NO. The order the PMCS should be performed.

Column (2) INTERVAL. Tells when the check should be performed.

Column (3) ITEM TO BE CHECKED OR SERVICED. Tells which items to perform the PMCS procedure on.

Column (4) PROCEDURE. Tells which procedure is to be performed. If item cannot be repaired, it must be replaced.

Column (5) EQUIPMENT NOT READY/AVAILABLE IF. Tells what conditions render the OTV unfit to perform the mission.

PMCS PROCEDURES

Table 1. Preventive Maintenance Checks and Services for OTV.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
1	Before	Vest Assembly	Soldier	
			Inspect Vest Assembly.	
			a. Open the vest assembly and lay it flat on a clean surface so the exterior of the vest is facing the ground and the interior of the vest is facing up (Figure 1).	
			b. Inspect the interior fabric of the vest and collar/yoke assembly for any cuts, frays or abrasions, or any damage that may interfere with the proper function of the body armor.	Any cuts, frays or abrasions, or any damage that may interfere with the proper function of the body armor.
			c. Inspect the interior fabric of the vest and collar/yoke assembly for any dirt, stains or debris. Brush off any dirt or debris with a brush or rag.	Any petroleum-based stains.
			d. Run hands over entire surface of body armor to ensure ballistic inserts are flat. Smooth out any folds or bunching.	Cannot be flattened.
			e. Check the security of the hook and loop fasteners that close the inside fabric of the vest and that attach the ballistic inserts to the interior vest fabric.	Hook and loop fastener tape does not function.

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF		
	Before	Vest Assembly – Continued	f. Run fingers or hand around collar/yoke assembly checking for creases or bunching in the ballistic fabric. Smooth out any folds or bunching.	Cannot be flattened.		
			g. Turn vest over so that interior fabric faces down and the exterior fabric faces up (Figure 1).			
			h. Inspect the exterior fabric of the vest and collar/yoke assembly for any cuts, frays or abrasions or any damage that may interfere with the proper function of the body armor.	Any cuts, frays or abrasions, or any damage that may interfere with the proper function of the body armor.		
	T	<u>-</u>	noothing Out OTV.			
2	Before	ESAPI	Soldier Inspect ESAPI plates (Figure 2). Turn in plates if:	Outer cover is damaged exposing the ceramic tile material.		
				 Plate is cracked and you hear loose pieces rattling around when shaken. 		

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	Before	ESAPI – Continued		c. Creaking or squeaking of ceramic tile heard when plate twisted by hand.
				d. Composite backing is delaminating (backing material plies are separating).
				e. Cracking of the ceramic tile is felt or heard as you firmly pinch the outer ½-inch perimeter of the plate.
				f. Plate has been hit by a bullet or fragment.

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
1870	.	2		
	10	7.62mm M80 Ball Pro	SIZE LARGE FICHBOA-D-OWN IORNIORIS A97-87-12 SIZOUG IT	
		62mm M	CONTRERT, SAPI, 1 CONTRACT, WE CONTRACT, WE WER SKHAT-ARI WER DATTE: 0 CAN ROUSE SEE	is È in
The state of the s		7		
		The same of the sa		
8				
		Figure 2. E	SAPI Inspection.	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
3	Before	IBA	Soldier Don the OTV	
			Open vest at the front and don in the same manner as an ACU jacket.	
			b. After placing on body, hold the left panel against chest.	
			c. With left panel's outer flap open, bring right front panel straight across and secure hook and loop.	
			d. Close outer left panel flap so that hook and loop is closed.	
			e. Pull forward on loose ends of outer adjustment straps at sides to tighten vest comfortably.	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	Before	IBA – Continued	SOUNS I	
		Figure 3.	Donning OTV.	
		Figure 3.	Donning OTV.	

0008-7

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
4.	Before	OTV	Second Soldier Check for proper fit of OTV.	
			There should be no gaps at the sides of the OTV. Readjust if necessary.	Gaps remain after readjustments.
			b. Horizontal MOLLE webbing on the front of the vest should be aligned straight across.	MOLLE webbing is mismatched or does not align. Re-secure front flap until aligned.
5.	Before	IBA	Soldier Ensure all components are attached to OTV per unit SOP.	Components are missing. Replace with appropriate components.
6.	After	IBA	Soldier Doff OTV.	
			Pull open the left front flap apart from right front flap.	
			b. Slip OTV off shoulders.	
7.	After	ESAPI	Soldier	
			Inspect ESAPI plates. Turn in plates if:	Outer cover is damaged exposing the ceramic tile material.
			Plate is cracked and you hear loose pieces rattling around when shaken.	
				Creaking or squeaking of ceramic tile heard when plate twisted by hand.
				Composite backing is delaminating (backing material plies are separating).
				Cracking of the ceramic til is felt or heard as you firm pinch the outer ½-inch perimeter of the plate.

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	After	ESAPI – Continued		Plate has been hit by a bullet or fragment.
			b. Clean your ESAPI thoroughly before storing	
			c. Place the ESAPI into the OTV pockets in the same manner as when worn. This prevents loss of plates.	
			d. Store the IBA as flat as possible to avoid bunching of materials.	
			e. It is recommended that the system, when dry, be stored in a plastic bag to keep out dirt, dust and moisture	
8.	Monthly	IBA	Soldier Disassemble OTV.	
			a. Remove ESAPI plates from the front and back pockets, if installed.	
			b. Remove the DAPS and groin protector, if attached and remove ballistic inserts from each.	
			c. Remove yoke/collar from vest .	
			d. Remove throat protector assembly from system and remove soft ballistic insert.	
			e. Remove ballistic inserts from carrier.	
9.	Monthly	IBA	Soldier Inventory the body armor.	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED		PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	OTV Outershell Front-Left Ballistic Insert Front-Right Ballistic Insert Back Ballistic Insert Yoke/Collar Assembly Throat Protector Assembly Throat Protector Soft Ballistic Insert Groin Protector Assembly Groin Protector Ballistic Insert DAPS (x2) DAPS Ballistic Insert (x2) ESAPI (x2)		ontinued	a. Check the data label on each component to ensure each component is in the same size or size range (Figure 4).	Item sizes are mismatched.
• Y • TI • G • D				Figure 4. OTV Inventor	Ty.
10.	10. Monthly IBA Cloth Items		th Items	Soldier Inspect each cloth item for tears, punctures or abrasions.	Any tears, punctures or abrasions.
11.	Monthly	Soft Ba	llistic Insert	Soldier Inspect soft ballistic inserts for any tear, puncture, abrasion or heavy discoloration.	Any damage or heavy discoloration.

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
12.	Monthly	IBA	Soldier	
			Inspect each item for heavy staining.	
			WARNING	
			TER WILL DAMAGE IN COLD WATER	
		Figure 5. Cl	eaning Restrictions.	
13.	Monthly	Figure 5. Cl	eaning Restrictions. Soldier	
13.	Monthly	1	1	
13.	Monthly	1	Soldier Wash all components, except ESAPI, soft ballistic inserts and cable	
13.	Monthly	1	Soldier Wash all components, except ESAPI, soft ballistic inserts and cable assembly (Figure 5). a. Remove dirt from outer surface using a cloth	
13.	Monthly	1	Soldier Wash all components, except ESAPI, soft ballistic inserts and cable assembly (Figure 5). a. Remove dirt from outer surface using a cloth or soft bristle brush. b. Hand wash OTV outershell and component carrier covers only in cold or warm water, with mild detergent or	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	Monthly	ESAPI – Continued	Remove loose dirt and lint from the outer surface of the ESAPI using a cloth or soft bristle brush. Never use a stiff bristle brush.	
			b. Wet the ESAPI in a sink or shower using warm, not hot, water.	
			c. Apply a mild soap or detergent to the soiled areas and scrub with a cloth or soft bristle brush. Scrub only long enough to remove soil.	
			d. Heavy grease/oil stains may be pre- spotted with a detergent mixture and scrubbed with a soft brush.	
			e. Rinse the ESAPI with warm water until all suds are completely gone.	
			f. Let the plate dry by itself, away from heat or open flame.	
15.	Monthly	Soft Ballistic Inserts	Soldier	
			Clean soft ballistic inserts, and cable assembly with a damp cloth.	
16.	Monthly	IBA	Soldier	
			Install soft ballistic inserts in carrier (front-left, front- right, back, groin protector, yoke/collar, and DAPS).	
			a. Lay the carrier on a flat surface with inner side (or side with label) facing up.	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	Monthly	IBA – Continued	b. Separate hook and loop seam and install soft ballistic insert with the label side facing up.	
			c. Position insert, aligning the hook and loop tapes and ensuring the carrier material is smooth and flat after the installation.	
			d. Re-seal seam of the insert pocket.	Seam does not re-seal.
17.	Monthly	Yoke/Collar Assembly	Soldier Attach yoke/collar assembly.	
			a. Lay OTV on a flat surface with the inside surface facing up.	
			b. Position the yoke/collar assembly on the back panel of the carrier with label facing up.	
			c. Attach yoke/collar assembly to carrier using standard MOLLE weave at both attachment points.	
			d. Mate hook and loop fasteners to complete attachment.	
18.	Monthly	Groin and Lower Back Protectors	Soldier Install groin protector (as required).	
			a. Lay carrier on flat surface with interior facing up.	
			b. Lay groin protector near bottom of the front-right panel of the OTV with label facing up.	

Table 1. Preventive Maintenance Checks and Services for OTV – Continued.

ITEM NO.	INTERVAL	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/AVAILABLE IF
	Monthly	Groin and Lower Back Protectors – Continued	c. Route straps on groin protector through loops and snap.	
19.	Monthly	DAPS	Soldier Install DAPS (as required).	
			Route the nylon webbing at the top of the deltoid protector over the top of the shoulder channels of the OTV	
			b. Continue to route the webbing back underneath the shoulder channels but above the yoke/collar assembly (if installed).	
			c. Secure with hook and loop fasteners and repeat for other side.	
			d. Don vest. Deltoid protectors should be as high as possible without interfering with motion. Deltoid protectors should be centered on the arm.	
			e. Route bicep webbing through straps and snap. Deltoid protector should be above the crease of the elbow.	

END OF TASK

MANDATORY REPLACEMENT PARTS

There are not mandatory replacement parts for the OTV.

END OF TASK

END OF WORK PACKAGE

0008-14

CHAPTER 4

MAINTENANCE INSTRUCTIONS FOR OUTER TACTICAL VEST (OTV)

OPERATOR MAINTENANCE OUTER TACTICAL VEST PREPARATION FOR SHIPMENT AND STORAGE

INITIAL SETUP

N/A

General Storage Requirements

Administrative storage will be in accordance with the following:

- 1. Clean all items and ensure they are dry before IBA is placed in storage. Store each individual IBA in a plastic bag to keep out dirt, dust and moisture. Placement of clothing items in administrative storage should be for short periods of time. Ensure all items are protected from pilferage, dampness, fire, dirt, and rodents.
- Insert the ESAPI/ESBI into the IBA pockets in the same manner as when worn. This prevents loss of components. Store the IBA system as flat as possible to avoid bunching of materials.
- 3. Items should be in mission readiness within 24 hours or within the time factors as determined by the directing authority.
- 4. During the storage period, appropriate maintenance records will be kept. Before placing equipment in administrative storage, current maintenance services and equipment serviceable criteria evaluations should be completed, shortcomings and deficiencies should be corrected, and all modification work orders should be applied.
- Inside storage is preferred for items selected for administrative storage. If inside storage is not available, trucks, vans, CONEX containers and other containers may be used.

In-Storage Inspection

- 1. Check that no damage or deterioration has occurred.
- 2. Check the adequacy of the storage facilities, efforts taken to control pests and rodents, and protection against unfavorable climatic conditions and other elements that might cause damage to clothing items.

Shipment Requirements

Ensure all items are protected from pilferage, dampness, fire, dirt, and rodents.

END OF WORK PACKAGE

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OPERATOR MAINTENANCE OUTER TACTICAL VEST SERVICE – CLEANING AND DRYING

INITIAL SETUP

References: Materials/parts:

WP 0015 Cleaning Foam System, Outer Vest (WP

0015, Item 1)

GENERAL CLEANING INSTRUCTIONS

WARNING

Failure to follow all cleaning instructions could deteriorate damage or destroy the IBA, rendering it useless against ballistic treats.

To maintain your IBA so that it provides you with the maximum protection intended, it is extremely important to follow proper cleaning procedures. Do not bleach, machine wash, dry clean, or apply solvents, cleaning fluids, or yellow soap to any part of the IBA. They will discolor and/or deteriorate the IBA. Do not attempt to dye item or fix discolorations.

IBA Vest and Components

WARNING

Do not machine wash or dry. Failure to follow these instructions may render your IBA useless against ballistic threats.

CAUTION

Do not use a stiff brush to clean any part of your IBA as this will damage the material.

- Remove loose dirt and lint from the outer shell using a cloth or soft bristle brush.
 Never use a stiff bristle brush.
- 2. Remove all soft ballistic inserts and the ESAPI/ESBI from the outer shell and component carriers

GENERAL CLEANING INSTRUCTIONS - CONTINUED

CAUTION

Never use bleach, yellow soap, cleaning fluids or solvents to clean the outer shell as this will stain and damage the material.

- 3. Hand-wash the outer shell and component carrier covers in cold or warm water, with mild detergent or soap.
- 4. Badly soiled areas may be scrubbed. Scrub only long enough to remove soil.
- 5. Grease and oil stains may be pre-spotted with a mild detergent and water mixture, and scrubbed with a soft brush. If stubborn stain persists, repeat the procedure.
- 6. Rinse the outer shell and covers thoroughly in clean, warm water until suds are completely gone.
- 7. Air-dry indoors or in shade, away from heat sources and direct sunlight.

END OF TASK

Soft Ballistic Inserts

WARNING

Do not machine wash or dry the soft ballistic inserts. Failure to follow these instructions may render the IBA useless against ballistic threats.

CAUTION

Do not intentionally submerge soft inserts in any liquid, including water. Do not use a stiff brush to clean any part of your IBA as this will damage the material.

Cleaning of the soft ballistics inserts is limited to removing loose dirt from the surface with a cloth or soft brush. If ballistic inserts become wet, allow to air dry in a flat position away from heat sources and direct sunlight. If ballistic insert becomes saturated with liquids such as gasoline, bleach or other lubricants, turn in for replacement as soon as possible.

END OF TASK

ESAPI/ESBI

WARNING

Do not machine wash or dry the ESAPI/ESBI inserts. Failure to follow these instructions may degrade the ESAPI/ESBI ballistic protection.

CAUTION

Do not submerge ESAPI/ESBI inserts in any liquid, including water.

Do not use a stiff brush to clean any part of your IBA as this will damage the material.

- Remove loose dirt and lint from the outer surface of the ESAPI/ESBI using a cloth or soft bristle brush. Never use a stiff bristle brush.
- 2. Wet the ESAPI/ESBI in a sink or shower using warm, not hot, water.
- Apply a mild soap or detergent to the soiled areas and scrub with a cloth or soft bristle brush.
- 4. Badly soiled areas may be scrubbed with mild soap or detergent.
- 5. Scrub only long enough to remove soil.
- 6. Rinse the ESAPI/ESBI with warm water until all suds are completely gone.
- 7. Let the insert dry by itself, away from heat or open flame.

END OF TASK

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST ESAPI/ESBI INSERTS INSPECT, REPAIR

INITIAL SETUP

References: Materials/parts:

WP 0015 Tape, Pressure Sensitive Adhesive (WP

0015, Item 5)

INSPECT

WARNING

Service members must ensure they have the correct protective inserts. The ESAPI and ESBI have green covers and provide a higher level of protection than the Small Arms Protective Insert (SAPI) which has a black cover. ESAPI should be worn by all personnel in-theater. If a service member has the older black SAPI plates, they should be turned in and replaced with green ESAPI plates. Failure to ensure the correct plate while conducting combat operations may result in injury or death.

Pre-combat Inspection

The soldier must inspect the insert before each mission. The ESAPI/ESBI insert must be turned in if any of the following conditions are present:

- Outer Cover is damaged exposing the ceramic tile material.
- Plate is cracked and you hear loose pieces rattling around when shaken.
- Creaking or squeaking of ceramic tile heard when plate twisted by hand.
- Composite backing is delaminating (backing material plies are separating).
- Cracking of the ceramic tile is felt or heard as you firmly pinch the outer ½-inch perimeter of the plate.
- Plate has been hit by a bullet or fragment.

END OF TASK

REPAIR

NOTE

Cloth backed adhesive tape is often referred to as duct tape, rigger's tape or 100 mile-per-hour tape.

Interim repairs of the ESAPI/ESBI outer cover can be made using cloth backed adhesive tape until it can be exchanged. This repair does help to prevent the spread of existing delamination. It is not meant as a permanent fix.

END OF TASK

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST FABRIC REPAIR

INITIAL SETUP

References: Materials/parts:

WP 0015 Kit, Sewing (WP 0015, Item 2)

Tape, Pressure Sensitive Adhesive (WP

0015, Item 5)

REPAIR

WARNING

Fabric repair in this work package does not apply to the fabric on the soft ballistic inserts. Any damage to the soft ballistic inserts is cause for turnin. Failure to follow these instructions could result in degraded ballistic protection.

This work package provides instructions for repairing the fabric of the IBA.

Outer Shell

 To mend a ripped seam, overlap the two-edge and sew with straight and small stitches.



Figure 1. Straight Stitch.

2. To repair a tear, place the two edges together on the inside, and sew together.



Figure 2. Edge Sew.

REPAIR - CONTINUED

3. To mend a frayed edge, turn the frayed edge under and sew.



Figure 3. Turn Edge Under and Sew.

NOTE

Cloth backed adhesive tape is often referred to as duct tape, rigger's tape or 100 mile-per-hour tape.

4. Interim repairs can be made with cloth backed adhesive tape to prevent tears or holes in the carrier from expanding until the vest can be exchanged. The tape can be used to keep the vest closed, hold the ballistic panels in place, or repair any hook and pile that has been damaged.

END OF TASK

END OF WORK PACKAGE

CHAPTER 5

SUPPORTING INFORMATION FOR OUTER TACTICAL VEST (OTV)

OPERATOR MAINTENANCE OUTER TACTICAL VEST REFERENCES

SCOPE

This work package lists related field manuals, forms, technical manuals, and miscellaneous publications.

MISCELLANEOUS PUBS/FORMS

AR 700-138	Army Logistics Readiness and Sustainability
CTA 50-970	Expendable/Durable Items (Except Medical, Class V Repair Parts, and Heraldic Items)
CTA 50-909	Field and Garrison Furnishings and Equipments
CTA 8-100	Army Medical Department Expendable/Durable Items
DA Form 2028	Recommended Changes to Publications and Blank Forms
DA PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual
FM 3-11.2	Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, and Nuclear Contamination Avoidance
FM 4-25.11	First Aid Information
SF 368	Product Quality Deficiency Report

END OF WORK PACKAGE

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OPERATOR MAINTENANCE OUTER TACTICAL VEST COMPONENTS OF END ITEM (COEI) AND BASIC ISSUE ITEM (BII) LISTS

SCOPE

This work package lists COEI and BII for the Outer Tactical Vest (OTV) to help you inventory items for safe and efficient operation of the equipment.

GENERAL

The COEI and BII information is divided into the following lists:

Components of End Item (COEI). This list is for information purposes only and is not authority to requisition replacements. These items are part of the IBA. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Items of COEI are removed and separately packaged for transportation or shipment only when necessary. Illustrations are furnished to help you find and identify the items.

Basic Issue Items (BII). These essential items are required to place the IBA in operation, operate it and to do emergency repairs. Although shipped separately packaged, BII must be with the IBA during operation and when it is transferred between property accounts. Listing these items is your authority to request/requisition them for replacement based on authorization of the end item by the TOE/MTOE. Illustrations are furnished to help you find and identify the items.

EXPLANATION OF COLUMNS IN THE COEI LIST AND BII LIST

Column (1) Illus Number. Gives you the reference number of the item listed.

Column (2) National Stock Number (NSN) and illustration. Identifies the stock number of the item to be used for requisitioning purposes and provides an illustration of the item.

Column (3) Description, Part Number/(CAGEC). Identifies the Federal item name (in all capital letters) followed by a minimum description when needed. The stowage location of COEI and BII is also included in this column. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Column (4) Usable On Code. When applicable, gives you a code if the item you need is not the same for different models of equipment.

EXPLANATION OF COLUMNS IN THE COEI LIST AND BII LIST - CONTINUED

Column (5) U/I. Unit of Issue (U/I). Indicates the physical measurement or count of the item as issued per the National Stock Number shown in column (2).

Column (6) Qty Rqr. Indicates the quantity required.

COMPONENTS OF END ITEMS LIST

Table 1. Components Of End Item (COEI) List – OTV.

(1)	(2)	(3)	(4)	(5)	(6)
Item Num ber	National Stock Number (NSN) and Illustration	Description, Part Number/(CAGEC)	Usable On Code	U/I	Qty Rqr
1	8470-01-526-7907	CARRIER, BASE VEST (OTV) (XS), PD-00-02/(81337)		EA	1
	8470-01-526-7910	CARRIER, BASE VEST (OTV) (S), PD-00-02/(81337)		EA	1
	8470-01-526-7913	CARRIER, BASE VEST (OTV) (M), PD-00-02/(81337)		EA	1
	8470-01-526-7916	CARRIER, BASE VEST (OTV) (L), PD-00-02/(81337)		EA	1
	8470-01-526-7915	CARRIER, BASE VEST (OTV) (XL), PD-00-02/(81337)		EA	1
	8470-01-526-7917	CARRIER, BASE VEST (OTV) (2XL), PD-00-02/(81337)		EA	1
	8470-01-526-7920	CARRIER, BASE VEST (OTV) (3XL), PD-00-02/(81337)		EA	1
	8470-01-526-7921	CARRIER, BASE VEST (OTV) (4XL), PD-00-02/(81337)		EA	1
2	8470-01-497-8646	INSERT, BALLISTIC (BACK) (XS), PD-00-02/(81337)		EA	1

Table 1. Components Of End Item (COEI) List – OTV – Continued.

(1)	(2)	(3)	(4)	(5)	(6)
Item Num ber	National Stock Number (NSN) and Illustration	Description, Part Number/(CAGEC)	Usable On Code	U/I	Qty Rqr
	8470-01-497-8648	INSERT, BALLISTIC (BACK) (S), PD-00-02/(81337)		EA	1
	8470-01-497-8649	INSERT, BALLISTIC (BACK) (M), PD-00-02/(81337)		EA	1
	8470-01-497-8652	INSERT, BALLISTIC (BACK) (L), PD-00-02/(81337)		EA	1
	8470-01-497-8653	INSERT, BALLISTIC (BACK) (XL), PD-00-02/(81337)		EA	1
	8470-01-518-5943	INSERT, BALLISTIC (BACK) (2XL), PD-00-02/(81337)		EA	1
	8470-01-518-5948	INSERT, BALLISTIC (BACK) (3XL), PD-00-02/(81337)		EA	1
	8470-01-518-5949	INSERT, BALLISTIC (BACK) (4XL), PD-00-02/(81337)		EA	1
3	8470-01-497-8654	CARRIER, VEST (FRONT-RIGHT) (XS), PD-00-02/(81337)		EA	1
	8470-01-497-8655	CARRIER, VEST (FRONT-RIGHT) (S), PD-00-02/(81337)		EA	1
	8470-01-497-8656	CARRIER, VEST (FRONT-RIGHT) (M), PD-00-02/(81337)		EA	1
	8470-01-497-8658	CARRIER, VEST (FRONT-RIGHT) (L), PD-00-02/(81337)		EA	1
	8470-01-497-8659	CARRIER, VEST (FRONT-RIGHT) (XL), PD-00-02/(81337)		EA	1
	8470-01-518-5953	CARRIER, VEST (FRONT-RIGHT) (2XL), PD-00-02/(81337)		EA	1
	8470-01-518-5954	CARRIER, VEST (FRONT-RIGHT) (3XL), PD-00-02/(81337)		EA	1

Table 1. Components Of End Item (COEI) List – OTV – Continued.

(1)	(2)	(3)	(4)	(5)	(6)
Item Num ber	National Stock Number (NSN) and Illustration	Description, Part Number/(CAGEC)	Usable On Code	U/I	Qty Rqr
	8470-01-518-5956	CARRIER, VEST (FRONT-RIGHT) (4XL), PD-00-02/(81337)		EA	1
4	8470-01-497-8662	INSERT, BALLISTIC (FRONT- LEFT) (XS), PD-00-02/(81337)		EA	1
	8470-01-497-8664	INSERT, BALLISTIC (FRONT- LEFT) (S), PD-00-02/(81337)		EA	1
	8470-01-497-8666	INSERT, BALLISTIC (FRONT- LEFT) (M), PD-00-02/(81337)		EA	1
	8470-01-497-8668	INSERT, BALLISTIC (FRONT- LEFT) (L), PD-00-02/(81337)		EA	1
	8470-01-497-8669	INSERT, BALLISTIC (FRONT- LEFT) (XL), PD-00-02/(81337)		EA	1
	8470-01-518-5968	INSERT, BALLISTIC (FRONT- LEFT) (2XL), PD-00-02/(81337)		EA	1
	8470-01-518-5969	INSERT, BALLISTIC (FRONT- LEFT) (3XL), PD-00-02/(81337)		EA	1
	8470-01-518-5975	INSERT, BALLISTIC (FRONT- LEFT) (4XL), PD-00-02/(81337)		EA	1

Table 1. Components Of End Item (COEI) List – OTV – Continued.

(1)	(2)	(3)	(4)	(5)	(6)
Item Num ber	National Stock Number (NSN) and Illustration	Description, Part Number/(CAGEC)	Usable On Code	U/I	Qty Rqr
5	8470-01-526-8064	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (XS), PD-00- 02/(81337)		EA	1
	8470-01-526-8067	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (S), PD-00- 02/(81337)		EA	1
	8470-01-526-8074	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (M), PD-00- 02/(81337)		EA	1
	8470-01-526-8075	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (L), PD-00- 02/(81337)		EA	1
	8470-01-526-8079	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (XL), PD-00- 02/(81337)		EA	1
	8470-01-526-8080	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (2XL), PD-00- 02/(81337)		EA	1
	8470-01-526-8081	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (3XL), PD-00- 02/(81337)		EA	1
	8470-01-526-8082	YOKE AND COLLAR, CARRIER (RIGHT EXTERNAL) (4XL), PD-00- 02/(81337)		EA	1
6	8470-01-497-8689	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (XS), PD-00-02/(81337)		EA	1

Table 1. Components Of End Item (COEI) List – OTV – Continued.

(1)	(2)	(3)	(4)	(5)	(6)
Item Num ber	National Stock Number (NSN) and Illustration	Description, Part Number/(CAGEC)	Usable On Code	U/I	Qty Rqr
	8470-01-497-8690	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (S), PD-00-02/(81337)		EA	1
	8470-01-497-8691	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (M), PD-00-02/(81337)V		EA	1
	8470-01-497-8693	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (L), PD-00-02/(81337)		EA	1
	8470-01-497-8694	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (XL), PD-00-02/(81337)		EA	1
	8470-01-518-6013	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (2XL), PD-00-02/(81337)		EA	1
	8470-01-518-6014	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (3XL), PD-00-02/(81337)		EA	1
	8470-01-518-6017	BALLISTIC PANEL SET (OTV YOKE/COLLAR ASSEMBLY) (4XL), PD-00-02/(81337)		EA	1
7	8470-01-526-7933	THROAT PROTECTOR, CARRIER, PD-00-02/(81337)		EA	1
8	8470-01-497-8640	BALLISTIC PANEL (THROAT PROTECTOR), PD-00-02/(81337)		EA	1

Table 2. Basic Issue Items (BII) - OTV.

(1) Item Num ber	(2) National Stock Number (NSN) and Illustration	(3) Description, CAGEC, and Part Number	(4) Usable On Code	(5) Unit of Issu e (U/I)	(6) Qty Rqr.
1	TM 10-8470-207-10 TECHNICAL MANUAL OPERATOR MANUAL FOR OUTER TACTICAL VEST (OTV) PART OF THE INTERCEPTOR BODY ARMOR SYSTEM	OPERATOR MANUAL FOR OUTER TACTICAL VEST (OTV) PART OF THE INTERCEPTOR BODY ARMOR SYSTEM, 81337, TM 10-8470-207-10		EA	1
	HEADQUARTERS, DEPARTMENT OF THE ARMY DO MMM 2010				
2	8470-01-556-2100	DELTOID PROTECTOR OUTERSHELL, (XS-S), CO/PD 07- 10/(81337)		EA	2
	8470-01-556-2168	DELTOID PROTECTOR OUTERSHELL, (M-L), CO/PD 07- 10/(81337)		EA	2
	8470-01-526-9657	DELTOID PROTECTOR OUTERSHELL, (XL-4XL), CO/PD 07-10/(81337)		EA	2
3	8470-01-556-2192	DELTOID PROTECTOR, BALLISTIC PANEL, (XS-S), CO/PD 07-10/(81337)		EA	2

Table 2. Basic Issue Items (BII) - OTV - Continued.

(1) Item Num ber	(2) National Stock Number (NSN) and Illustration	(3) Description, CAGEC, and Part Number	(4) Usable On Code	(5) Unit of Issu e (U/I)	(6) Qty Rqr.
	8470-01-556-2187	DELTOID PROTECTOR, BALLISTIC PANEL, (M-L), CO/PD 07-10/(81337)		EA	2
	8470-01-520-7349	DELTOID PROTECTOR, BALLISTIC PANEL, (XL-4XL), CO/PD 07-10/(81337)		EA	2
2	8470-01-556-1951	AXILLARY PROTECTOR OUTERSHELL, (XS-S), CO/PD 07- 10/(81337)		EA	2
	8470-01-556-2165	AXILLARY PROTECTOR OUTERSHELL, (M-L), CO/PD 07- 10/(81337)		EA	2
	8470-01-526-9643	AXILLARY PROTECTOR OUTERSHELL, (XL-4XL), CO/PD 07-10/(81337)		EA	2
3	8470-01-556-2114	AXILLARY PROTECTOR, BALLISTIC PANEL, (XS-S), CO/PD 07-10/(81337)		EA	2
	8470-01-556-2179	AXILLARY PROTECTOR, BALLISTIC PANEL, (M-L), CO/PD 07-10/(81337)		EA	2
	8470-01-520-7450	AXILLARY PROTECTOR, BALLISTIC PANEL, (XL-4XL), CO/PD 07-10/(81337)		EA	2

Table 2. Basic Issue Items (BII) - OTV - Continued.

(1) Item Num ber	(2) National Stock Number (NSN) and Illustration	(3) Description, CAGEC, and Part Number	(4) Usable On Code	(5) Unit of Issu e (U/I)	(6) Qty Rqr.
4	8470-01-526-8051	GROIN PROTECTOR, CARRIER (XS-ML), PD-00-02/(81337)		EA	1
	8470-01-526-8053	GROIN PROTECTOR, CARRIER (L-4XL) PD-00-02/(81337)		EA	1
5	8470-01-497-8626	INSERT, BALLISTIC GROIN PROTECTOR, (XS-ML), PD-00- 02/(81337)		EA	1
	8470-01-497-8627	INSERT, BALLISTIC GROIN PROTECTOR, (L-4XL), PD-00- 02/(81337)		EA	1
6	8470-01-520-7360 TOP SIZE MEDIUM STRIKE FACE HANDLE WITH CARE	INSERTS, ENHANCED SMALL ARMS (ESAPI) (XS), CO/PD 04- 10/(81337)		EA	2
	8470-01-520-7370	INSERTS, ENHANCED SMALL ARMS (ESAPI) (S), CO/PD 04- 10/(81337)		EA	2
	8470-01-520-7373	INSERTS, ENHANCED SMALL ARMS (ESAPI) (M), CO/PD 04- 10/(81337)		EA	2
	8470-01-520-7385	INSERTS, ENHANCED SMALL ARMS (ESAPI) (L), CO/PD 04- 10/(81337)		EA	2

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Table 2. Basic Issue Items (BII) - OTV - Continued.

(1) Item Num ber	(2) National Stock Number (NSN) and Illustration	(3) Description, CAGEC, and Part Number	(4) Usable On Code	(5) Unit of Issu e (U/I)	(6) Qty Rqr.
	8470-01-520-7382	INSERTS, ENHANCED SMALL ARMS (ESAPI) (XL), CO/PD 04- 10/(81337)		EA	2
7	8470-01-536-7227 STRIKE FACE HANDLE WITH CARE	INSERTS, SMALL ARMS PROTECTIVE (ESBI), (ONE SIZE), CO/PD 06-20/(81337)		EA	2

END OF WORK PACKAGE

OPERATOR MAINTENANCE OUTER TACTICAL VEST EXPENDABLE AND DURABLE ITEMS LIST

INTRODUCTION

Scope

This work package lists expendable and durable items that you will need to operate and maintain the IBA. This list is for information only and is not authority to requisition the listed items. These items are authorized to your by CTA 50-970, Expendable/Durable Items (Except Medical, Class V Repair Parts, and Heraldic Items), CTA 50-909, Field and Garrison Furnishings and Equipments or CTA 8-100, Army Medical Department Expendable/Durable Items.

Explanation of Columns in the Expendable/Durable Items List

Column (1) Item No. This number is assigned to the entry in the list and is references in the narrative instructions to identify the item (e.g., Use brake fluid (WP 0098, item 5))

Column (2) Level. This column identifies the lowest level of maintenance that requires the listed item (C= Crew).

Column (3) National Stock Number (NSN). This is the NSN assigned to the item which you can use to requisition it.

Column (4) Item Name, Description, Part Number (CAGEC). This column provides the other information you need to identify the item. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Column (5) U/I. Unit of Issue (U/I) Code. Shows the physical measurement or count of an item, such as gallon, dozen, gross, etc.

EXPENDABLE AND DURABLES ITEMS LIST

Table 1. Expendable and Durable Items List

(1) Item No.	(2) Level	(3) National Stock Number (NSN)	(4) Item Name, Description, Part Number/(CAGEC)	(5) U/I
1	С	N/A	Cleaning Foam System, Outer Vest, SOT0-10FC00NA05 /(3D6J6)	ВТ
2	С	8315-01-222-0680	Kit, Sewing, A-A-55190 (58536)	EA
3	С	N/A	Patch, Outer Shell Field Repair, Type I, SOT0- 10DE00CD01/(3D6J6)	PK
4	С	N/A	Patch, Outer Shell Field Repair, Type II, SOT0- 10DE00CD02/(3D6J6)	PK
5	С	7510-00-266-5016	Tape, Pressure Sensitive Adhesive, PPP-T-60 (81348) or similar	RL

END OF WORK PACKAGE

These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whomever" <whomever@avma27.army.mil>
To: TACOMLCMC.DAForm2028@us.army.mil

Subject: DA Form 2028

- 1. From: Joe Smith
- 2. Unit: home
- 3. Address: 4300 Park
- 4. City: Hometown
- 5. St: MO
- 6. Zip: 77777
- 7. Date Sent: 19-OCT-93
- 8. Pub no: 55-2840-229-23
- 9. Pub Title: TM
- 10. Publication Date: 04-JUL-85
- 11. Change Number: 7
- 12. Submitter Rank: MSG
- 13. Submitter FName: Joe
- 14. Submitter MName: T
- 15. Submitter LName: Smith
- 16. Submitter Phone: 123-123-1234
- 17. Problem: 1
- 18. Page: 2
- 19. Paragraph: 3
- 20. Line: 4
- 21. NSN: 5
- 22. Reference: 6
- 23. Figure: 7
- 24. Table: 8
- 25. Item: 9
- 26. Total: 123
- 27. Text:

This is the text for the problem below line 27.

RECC	RECOMMENDED CHANGES TO PUBLICATION BLANK FORMS						Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).			DATE 21 October 2003
For use	e of this for	m, see AR 2	25-30; the	e proponent a	gency is OD	ISC4.	Catalogs/Supp	ny Manua	IIS (SC/SIVI).	21 October 2003
TO: (Forward to proponent of publication or form) (Include ZIP C US ARMY TACOM LIFE CYCLE MANAGEMENT COMM ATTN: AMSTA-LC-SECT 15 KANSAS ST NATICK, MA 01760-5052 PART I – ALL PUBLICATIONS (EXPENSE) PUBLICATION/FORM NUMBER TM 10-1670-296-23&P ITEM PAGE PARA- LINE FIGURE TABLE							FROM: (Activity and location) (Include ZIP Code) PFC JANE DOE Co A 3RD Engineer Br. Ft Leonard Wood, MO 63108 TRPSTL AND SC/SM) AND BLANK FORMS TE October 2002 Unit Manual for Ancillary Equipment for Low Velocity Air Drop Systems			y Equipment for
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Jane [Ooe, PFC	;			(508) 23 DSN 256				Jane Doe Jane	Doe

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INATIO				AND SPECIAL T	OOL LISTS	AND SUF	PLY CATALOGS/SU	JPPLY MANUALS		
	ATION NU 1670-29	MBER			DATE 30 Octob			TITLE Unit Manual for Ancillary Equipment for Low Velocity Air Drop Systems		
PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION		
0066 00-					4			Callout 16 in figure 4 is pointed to a <u>D-Ring</u> . In the Repair Part List key for Figure 4, item 16 is called a <u>Snap Hook</u> . Please correct one or the other.		
	PART III -	- REMAR	improve		s and blank					
TVCCC	improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)									
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UASPPC V3.00

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TO: (For	ward to prop	onent of p	ublication or fo	rm) (Include ZIP	FROM: (Activity and location) (Include ZIP Code) DATE					
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			improver	ment of publications ar	nd blank form					
			шау ве в	used if more space is i	ieeueu.)					
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UASPPC V3.00

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US AR ATTN: 1 Rock	MY TACC AMSTA- Island Ar	OM LIFE CY LCL-MPP/1	YCLE MA TECH PU	ANAGEME	nclude ZIP Co NT COMMA		FROM: (Active	ity and loca	ation) (Include ZIP Code))
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TM 10-8470-207-10

By Order of the Secretary of the Army:

GEORGE W. CASEY, JR. General, United States Army Chief of Staff

Official:

JOYCE E. MORROW

Administrative Assistant to the

Secretary of the Army

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