

VENDOR

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

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DPS1042

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF

KRISTA FERRELL 304-558-2596

*709022041 304-925-0305 WV UNIFORMS INC 6601 MACCORKLE AVE SE

CHARLESTON WV 25304

WEST VIRGINIA STATE POLICE

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The West Virginia State Police are soliciting competitive bids in the form of an open end contract for the purchase of bullet resistant body armor. Vendors submitting bids on this contract do not have to be registered in the State of West Virginia to submit a bid, but if the successful low bidder, must register with the State of West Virginia and pay the \$125.00 registration fee.

GENERAL:

The WV State Police desire to purchase American Body Armor Xtreme Series IIIA or equal.

SCOPE:

Vests are intended for the use by male and female officers of the agency. The vest shall be worn comfortably while being concealed under a uniform shirt. Vest shall protect against labeled projectile penetration while reducing resultant blunt trauma and vest distortion to acceptable levels. The successful vendor shall be required to supply the individual vest with applicable options and colors as ordered for male or female officers.

Vest shall be certified under the NIJ Standard-0101-06 for Bullet Resistant Body Armor Threat Level 3A. Bids based on body armor models made by manufacturers other than American Body Armor must be clearly identified as such; those bidders should include a male and female sample, full product description, drawings and/or photos, technical specifications, as well as a list of at least ten (10) law enforcement agencies currently using that model armor for reference. <u>Upon request, bidders failing to submit this supporting documentation shall be rejected from the bid process.</u>

When the apparent low bidder has proposed an alternate product, that bidder shall demonstrate product equivalency to the satisfaction of the agency. Evidence equivalency shall be presented for each requirement of this specification and the burden of such equivalency rest entirely on the vendor. Any bidder may be required, at any time during the procurement process, to provide documentation proving compliance with any or all terms of this specification.

Only body armor models which have been tested by the National Institute of Justice (NIJ), National Law Enforcement Technology Center (NLETC) utilizing the methodology found in the NIJ Standard-0101-06 for bullet Resistant Body Armor, and found to comply with the NIJ Standard-0101-06 for Bullet Resistant Body Armor, for Type 3A Armor shall be submitted under this specification. NO

EXCEPTIONS. Models certified under earlier standards and grandfathered into compliance with the NIJ Standard-0101-06 for Bullet Resistant Body Armor will be rejected. Vendors must provide test results of any and all rounds that exceed NIJ Standard-0101-06 for Bullet Resistant Body Armor. This NIJ abbreviated testing is commonly known as "Special Threat" testing; testing of such rounds must be conducted by an NIJ approved laboratory.

APPLICABLE DOCUMENTS:

The following list of standards and specifications in effect on the date of this solicitation shall form a part of this specification

- 1. NIJ 200t Interim Requirement for Bullet Resistant Body Armor
- 2. MIL-STD-662, V50 Ballistic Test for Armor
- 3. Federal Standard no. 751, Stitches, seams, and stitching.
- 4. ISO 9001 Quality Assurance Certification
- 5. ANSI/ASQC-Q9000 Quality Standard, dated August 1, 1994
- 6. Additional Test reports of "Special Threat Testing from a certified NIJ Laboratory as required.

PURCHASE REQUIREMENTS:

The successful bidder must be a recognized wholesaler/retailer which will travel to West Virginia State Police Headquarters/Procurement Division located in South Charleston, West Virginia for measurements, fitting and service during regular business hours Monday through Friday.

DESIGN REQUIREMENTS:

The intended use of the soft body armor detailed herein is intended to be standard issue armor. It is intended for routine daily wear as an undergarment.

The soft body armor shall be designed to provide:

- Light and thin NIJ Standard-0101-06 for Bullet Resistant body armor in Level 3A
- 2. A high degree of concealment and comfort.
- 3. Minimum restriction of motion or mobility.
- 4. Optional carriers to allow for laundering and color changes.

5. Provide protection against the labeled projectiles in accordance with the NIJ Standard-0101-06 for Bullet Resistant Body Armor.

GENERAL DESIGN:

The ballistic panels of soft body armor meeting this specification shall provide thin, flexible, lightweight comfort utilizing a matrix of two or more of the following: Wwaron, gold RS and Dyneema or approved equal. There shall be no stitching completely through the entire ballistic panel(s), with the exception to tacks at the panel's edges. The soft body armor shall be designed for regular daily wear as an undergarment. Therefore, vest shall be designed and constructed to provide (1) light and thin NIJ Standard-0101-06 for Bullet Resistant Body Armor certified armor in Level 3A, (2) durability (3) ease of cleaning, (4) minimum restriction of motion or mobility and (5) the greatest amount of ballistic coverage consistent with comfort and concealment.

The general configuration shall be the slipover vest type that covers the majority of the upper torso, including side coverage. Availability for four or six elastic straps with hook and pile fasteners shall provide proper positioning and comfort. The entire vest perimeter shall be curved. No sharp corners or straight edges shall be allowed.

The front ballistic panel shall cover the chest approximately up to the collar bone, have a scooped neck sufficient to maintain concealment when wearing an open collar shirt, extend downward to the waist but not far enough to "push up into the throat" when the wearer is seated, and extend around the sides to provide side protection. The biceps/chest area shall be cut with sufficient space to minimize irritation and restriction of arm movement during common duties such as the operation of a motor vehicle.

The rear ballistic panel shall cover the back of the torso from just above the shoulder blades down to a position above the waist belt. The sides of the torso shall be covered by having side coverage from both the front and rear panels, as the department has determined that such a configuration maximizes both coverage and comfort. Accordingly, armor which maintains side coverage from only the front and rear panels will be rejected.

Panels and carriers shall be equipped with an internal suspension system, which prevents ballistic panels from sagging, ensuring full protection.

Each piece of soft body armor shall include the following:

- 1. One (1) set of ballistic panels (1 front, 1 rear)
- 2. One (1) complete NS washable carrier.
- 3. One (1) trauma reduction insert.

OPTIONS:

The following will be optional equipment that can be purchased:

- 1. Cool Max Tee Shirt
- 2. Additional Akwadyne Comfort Mesh removable outer carrier.
- 3. Quilted outer carrier
- 4. Tactical outer carrier

BALLISTIC PANEL MATERIALS

All materials shall be new, unused and without flaws that affect appearance, durability and function. The ballistic panels shall be constructed of a matrix of two or more of the following: Twaron, gold flex and Spectra Shield II or approved equal. As the agency has selected these materials, any bids which represent products manufactured from other materials shall be approved prior to an award of the contract. Agency has final decision without an appeal process for their decision.

PANEL CONSTRUCTION:

The ballistic panels shall be constructed of a matrix of two or more of the following: Twaron, gold flex and Spectra Shield II. There shall be no stitching completely through the entire ballistic panel(s) with the exception to takes at the panels edges.

All vests, which are submitted, shall represent armor, which in layer count is uniform throughout the ballistic panel. Accordingly, any ballistic panel, which is not uniform, in layer count, throughout the entire ballistic package, shall be rejected. If the manufacturer contends that such feathering of the armor is advantageous, then the armor shall be tested utilizing the least number of layers, which exist in any part of the ballistic package. Failure to submit such testing shall be cause for rejection.

It is the intent of the agency to procure the lightest weight, best performing personal armor available in relation to areal density, therefore a vest section of 12"X12" (one square foot) (30.5 cm X 30.5 cm) must not exceed the following

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maximum weight

maximum thickness

3**A**

.93 lbs. sq. ft.

.288 inches

BALLISTIC PANEL PERFORMANCE

V50 Performance

Each bidder shall submit V50 Test reports for the vest being offered. The V50 test reports for the vest being offered. The V50 test shall be performed in accordance with MIL-STD-662F using NIJ Standard-0101-06 for Bullet Resistant Body Armor 9mm 124 grain FMJ test projectiles. The test must be performed by an independent

laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement technology Center (NLETC) for testing in accordance with NIJ Standard-0101-06 for Bullet Resistant Body Armor. Models grandfathered into compliance with NIJ Standard-0101-06 will be rejected. The vest must be tested under protocol contained in the new NIJ Standard-0101-06 for Bullet resistant Body Armor. The V50 test shall be against clay backing. V-50 reports which represent testing without clay backing shall be rejected. Vendor shall provide written certification that all V 50 testing is accomplished with clay backing. Failure to provide certification shall be cause for rejection.

Test reports submitted by the bidder shall reflect the following minimum test results.

Threat Level	Bullet Description	V50 Velocity (Minimum)
3 A	.357 Sig 125-grain tmj	1819 fps

Bid submissions not including NIJ required baseline V50 reported shall be rejected. In addition to the NIJ Standard-0101-06 for bullet resistant body armor required 9mm/V50 test report, each bidder must provide NIJ Base Line Test Reports on the following minimum test results.

Threat Level	Bullet Description	V50 Velocity (Minimum)
3A	44 mag, jhp 240-grain	1642 fps

Relative Performance Index (RPI)

It has been determined that the relative strength to weight ratio of a ballistic design is important in determining its comfort/performance characteristics. The strength to weight ratio is calculated by dividing the areal weight (lbs. per square foot) into the performance V50 value. A high strength to weight ratio or Relative Performance Index (RPI) indicates a high degree of comfort & performance. Therefore, the minimum RPI shall be no lower than:

Threat Level	Bullet Description	Relative Performance Index (RPI Minimum)
3A	.357 Sig 125 grain tmj	1819 fps
3A	44 mag, FJP, 240-grain	1642 fps

Trauma Performance (BFS)

Blunt Trauma reduction is an important aspect of armor design. Low back face signature (BFS) should result in reduced blunt trauma injury. Therefore, the back face signature results of NIJ Standard-0101-06 for Bullet Resistant Armor certification test reports shall reflect BFS no higher than:

Threat Level	Bullet Description	back face signature (BFS Maximum)
3A	.357 Sig 125-grain tmj	44mm
3A	44 mag, FJHP, 240-grain	44mm

Bid submissions which do not meet this requirement, will be rejected.

LABELING

Label material shall withstand normal wear and cleaning and remain readable during the entire warranted life of the armor or carrier.

All soft body armor shall be labeled in strict adherence to the labeling requirement set forth in NIJ Standard-0101-06 for Bullet Resistant Body Armor. The ballistic panel labeling shall include, but not be limited to the following:

- 1. Name of Manufacturer
- 2. Level of Protection
- 3. NIJ Standard-0101-06 for Bullet Resistant Body Armor
- 4. Date of fabrication
- 5. Size
- 6. Serial Number
- 7. Model of Vest
- 8. Care instructions
- 9. Lot number.

BALLISTIC PANEL COVER MATERIAL

Each ballistic panel shall be covered in 100% anit microbial Olefin treated for water repellency. Construction 70 denier and sized 110" X 85" (279cm x 215 cm). Inner cover material must be stain-resistant, odor and mildew resistant. Material shall have no visible fabric or color flaws.

VEST OUTER CARRIER MATERIAL

Removable carrier-ns-carrier

The outer machine washable carrier shall be removable from the ballistic panels for laundering by way of zippers integrated into the outside of the garment. Carrier shall come with fixed waist and shoulder straps. Carrier shall come with (1) set of straps. Outer vest material shall be poly-cotton or micro mini-rip. The inner carrier material shall be Akwadyne Mesh. Male carrier shall have both a 7X9 and 5X8 pockets on the outer front of the carrier. All fabrics shall have no visible fabric or color flaws.

TRAUMA INSERT

A trauma reduction insert constructed of bullet resistant material cut five inch by eight inch shall be provided. The trauma reduction insert shall be placed in a nylon cover, which shall be tucked into one end of the ballistic material and sewn shut through to hold it in place.

QUALITY CONTROL

The manufacturer must maintain a quality program certified under the ISO 9001 certification program by an accredited registrar under the accreditation of the Registrar Accreditation Board. The scope of the certification must include the Design and Manufacturing of technologically advanced personal safety equipment including concealable and tactical bullet resistant vests, custom body armor, composite armor, explosive ordinance protection, ballistic face and head protection, ballistic shields and other police and military apparel, and narcotic identification systems.

The documented quality control system must be designed to insure the integrity and quality of the manufactured products. The quality control system shall control all manufacturing process and incoming raw materials. The manufacturer must have an inhouse ballistic laboratory capable of performing ballistic testing of incoming raw materials and in-process samples. The manufacturer must have the capability of performing testing in accordance with MIL-STD-662 and NIJ Standard-0101-06 for Bullet Resistant Body Armor. Procedures for lot testing of incoming raw materials and in process samples must be incorporated into the quality control system. All incoming ballistic material shall undergo V-50 ballistic lot test in accordance with MIL-STD-662. Every vest panel manufactures shall be subsequently inspected for proper ballistic panel stitching. Covers and accessories shall be re inspected during manufacturing for defects at selected points during manufacturing to assure the absence of hidden defects in the final item.

In addition, each vest shall receive a final inspection prior to shipment. This inspection shall include a review of the quality control check sheet and confirm the product against the customers order.

A copy of the Certificate of Accreditation, as well as the manufactures quality control program must be submitted prior to the award.

SERIAL NUMBERS

Each unit of soft body armor delivered shall have an individual serial number. Each serialized soft body armor shall be traceable to its original ballistic material mill roll number. Additionally the soft body armor serial number shall be traceable t an incoming

material lot test and ballistic panel lay up lot test. The vendor must have the ability to trace serial numbers.

LOT TESTING

All incoming ballistic material shall undergo V50 ballistic lot test in accordance with MIL-STD-662F except that the test will be conducted on clay backing which meets the requirements of NIJ Standard-0101-06 for Bullet Resistant Body Armor for backing material.

MEASUREMENT AND FITTING

Unless otherwise stated, individual measurements will be taken of each user. Each delivered vest shall fit in accordance with the following guidelines:

- 1. The side edges of the front and back ballistic panels shall meet or overlap.
- 2. The bottom edge of the front ballistic panel shall be with one inch (1") of the highest waist belt (usually the duty belt) measurement when the wearer is in a relaxed seated position.
- 3. The bottom edge of the front ballistic panel shall be within one-inch (1") of the highest waist belt (usually the duty belt) measurement when the wearer is in a relaxed seated position.
- 4. Female sizes are determined based on individual measurements including bust size and are conformed through the use of sizing/fit samples in conjunction with a tape measure and a certified Size Right Program.

The selected bidder must have a manufacturer armor-sizing program that utilizes certified representatives and distribution-trained personnel to properly size armor.

FIT AND ALTERATION POLICY

The manufacturer shall perform all required alterations of more than one inch within 30 days after the original shipment of the product at no charge. Adjustments of an inch or less can be accomplished by utilizing the adjustable strap feature on the vest.

PRODUCT LIABILITY INSURANCE

Vest manufacture shall agree to provide a minimum of \$20,000,000.00 product liability insurance coverage on delivered vest.

WARRANTY

Ballistic Panels: For five (5) years after the date of purchase the manufacture will warrant the ballistic panels against defects in materials and workmanship.

The alteration of ballistic panels in any way shall render the warranty void.

REMOVABLE COVERS:

Removable machine washable covers shall be fully warranted for twelve (12) months after the date of purchase against any defects in the material and /or workmanship.

PACKAGING

All soft body armor shall be packaged and shipped consistent with good commercial practices.

Plastic Bags: Each set of armor, along with its optional equipment shall be placed in an individual plastic bag.

Shipping Cartons: The soft body armor shall be packed into suitable corrugated cardboard box. The box shall allow for normal shipping without damage to the soft body armor.

DOCUMENTATION

The following documents, certifications, test-reports and samples must be provided.

- 1. Models must be clearly identified and shall include:
 - a. Full product description
 - b. Complete bid sample, male and female
 - c. Drawings and/or photographs
 - d. Technical specifications
- 2. Manufacturers bidding direct must provide a service proposal as to how measuring, alterations and customer service will be maintained without local distribution.
- Compliance with NIJ Standard-0101-06 for bullet Resistant Body Armor and test reports from an accredited laboratory for the vest being certified under the NIJ 2005 Interim Requirement and not grandfather in under earlier standards.
 - a. Any ballistic rounds tested above and beyond the required NIJ

 Standard-0101-06 for Bullet Resistant body Armor standard for requested threat level requires a report from a NIJ Certified Laboratory.

 Any Bidder that does not provide such documentation will be rejected.
- 4. V50 test reports performed in accordance with MIL-STD-662F. V50 testing must be accomplished with clay backing.

- a. Test Reports must be submitted for the entire ballistic package.
- b. Test reports must be submitted for incoming materials, which are utilized in the ballistic package.
- 5. Chemical test reports certifying use of Akwadyne fabric treatment
- 6. The ability to trace serial numbers.
- 7. The layer count of the vest must be uniform throughout the entire ballistic package. If not, test reports must be submitted for the vest utilizing the least amount of layers.
- 8. Quality Control Procedures
 - a. Incoming materials
 - b. Lay-up configuration
 - c. In-process configuration
 - d. Testing verification
 - e. Inspection of ballistic panel stitching
 - f. Random final product inspection and continuous in-process surveillance
- 9. Product Liability Insurance providing a minimum coverage of \$20,000,000.
- 10. Documentation stating a 5-year ballistic passage warranty
- 11. Documentation stating a 12-moth cover warranty
- 12. ISO-9001 Certificate

COST SHEET

The below list is a price list for body armor and carriers. The quantities provided are for evaluation purposes only and may vary based on the needs of the agency.

Description	Estimated Quantity	Extended Cost
One (1) complete set of body armor, to include level IIIA front and rear ballistic panels, a washable carrier (concealable) for said panels and trauma reduction insert.	200	
One (1) washable carrier (concealable)	175	
One (1) tactical outer carrier	125	
TOTAL BID \$		_

See Addendum 1 Cost Sheet.



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

DPS1042

ADDRESS CORRESPONDENCE TO ATTENTION OF:

KRISTA FERRELL 304-558-2596

WEST VIRGINIA STATE POLICE

VARIOUS LOCALES AS INDICATED BY ORDER

*709022041 304-925-0305 WV UNIFORMS INC 6601 MACCORKLE AVE SE CHARLESTON WV 25304

06/20/	A 3 #	RMS OF SALE	Rost V	7	FOB.	SEREIGHT TANKS
BID OPENING DATE:	LOID 1	· · · · · · · · · · · · · · · · · · ·	17671		PESTIVATION OPENING TIME	01:30PM
LINE	QUANTITY	UOP CAT. NO.	ITEM NUM		UNIT PRICE	AMOUNT
		ADDENDU	M NO. 1			
	THIS ADDENDU	M IS ISSUE	D TO:			
	1.) ANSWER ACCORDANCE W				BMITTED IN : DPS1042 AND	
	2.) PROVIDE ATTACHED.	ADDITIONA	L REVISED	SPECIF	ICATIONS AS	
	BID OPENING BID OPENING					,
	*******	**** END	ADDENDUM 1	(0. 1 ×	********	**
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	BODY ARMOR F	OR WV STAT	E POLICE	an mercial		
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	***** THIS	IS THE EN	D OF RFQ	DPS1)42 ***** TOTA	L: <u>see Cost</u> Sheets
		10000				
	_/	l leeden	ERSE SIDE FOR TEI	Me AND COM	DITIONS	
SIGNATURE				ELEPHONE _	4-92503 apar	E / la -lanix
TITLE NO.	A A a a a FEI	31123	2201	<u>5</u>	ADDRESS CHANG	ES TO BE NOTED ABOVE

RFQ#: DPS1042 Addendum No. 1 Technical Ouestions and Answers

- 1.) Would the State consider a bid that offered a "package" including a vest and extra carrier?

 Answer: See attached revised specifications
- 2.) Page 7 "SCOPE" second paragraph, Are samples required?

 Answer: Samples are required upon the request of the agency.

Specification Clarifications/Additions

- 1.) To change specifications on page 3 and page 10 to read: "One (1) complete set of body armor shall include"
 - a. One (1) set of ballistic panels (1 front and 1 rear)
 - b. Two (2) Complete NS washable carrier
 - c. One (1) Trauma reduction insert
- 2.) To delete the following "Options listed on page 4 and page 10"
 - a. Cool Max Tee Shirt
 - b. Additional Akwadyne Comfort Mesh removable outer carrier
 - c. Quilted outer carrier
- 3.) To add the following "option"
 - a. Washable carrier (concealable)

Revised Specifications attached

The West Virginia State Police are soliciting competitive bids in the form of an open end contract for the purchase of bullet resistant body armor. Vendors submitting bids on this contract do not have to be registered in the State of West Virginia to submit a bid, but if the successful low bidder, must register with the State of West Virginia and pay the \$125.00 registration fee.

GENERAL:

The WV State Police desire to purchase American Body Armor Xtreme Series IIIA or equal.

SCOPE:

Vests are intended for the use by male and female officers of the agency. The vest shall be worn comfortably while being concealed under a uniform shirt. Vest shall protect against labeled projectile penetration while reducing resultant blunt trauma and vest distortion to acceptable levels. The successful vendor shall be required to supply the individual vest with applicable options and colors as ordered for male or female officers.

Vest shall be certified under the NIJ Standard-0101-06 for Bullet Resistant Body Armor Threat Level 3A. Bids based on body armor models made by manufacturers other than American Body Armor must be clearly identified as such; those bidders should include a male and female sample, full product description, drawings and/or photos, technical specifications, as well as a list of at least ten (10) law enforcement agencies currently using that model armor for reference. Upon request, bidders failing to submit this supporting documentation shall be rejected from the bid process.

When the apparent low bidder has proposed an alternate product, that bidder shall demonstrate product equivalency to the satisfaction of the agency. Evidence equivalency shall be presented for each requirement of this specification and the burden of such equivalency rest entirely on the vendor. Any bidder may be required, at any time during the procurement process, to provide documentation proving compliance with any or all terms of this specification.

Only body armor models which have been tested by the National Institute of Justice (NIJ), National Law Enforcement Technology Center (NLETC) utilizing the methodology found in the NIJ Standard-0101-06 for bullet Resistant Body Armor, and found to comply with the NIJ Standard-0101-06 for Bullet Resistant Body Armor, for Type 3A Armor shall be submitted under this specification. NO

EXCEPTIONS. Models certified under earlier standards and grandfathered into compliance with the NIJ Standard-0101-06 for Bullet Resistant Body Armor will be rejected. Vendors must provide test results of any and all rounds that exceed NIJ Standard-0101-06 for Bullet Resistant Body Armor. This NIJ abbreviated testing is commonly known as "Special Threat" testing; testing of such rounds must be conducted by an NIJ approved laboratory.

APPLICABLE DOCUMENTS:

The following list of standards and specifications in effect on the date of this solicitation shall form a part of this specification

- 1. NIJ 200t Interim Requirement for Bullet Resistant Body Armor
- 2. MIL-STD-662, V50 Ballistic Test for Armor
- 3. Federal Standard no. 751, Stitches, seams, and stitching.
- 4. ISO 9001 Quality Assurance Certification
- 5. ANSI/ASQC-Q9000 Quality Standard, dated August 1, 1994
- 6. Additional Test reports of "Special Threat Testing from a certified NIJ Laboratory as required.

PURCHASE REQUIREMENTS:

The successful bidder must be a recognized wholesaler/retailer which will travel to West Virginia State Police Headquarters/Procurement Division located in South Charleston, West Virginia for measurements, fitting and service during regular business hours Monday through Friday.

DESIGN REQUIREMENTS:

The intended use of the soft body armor detailed herein is intended to be standard issue armor. It is intended for routine daily wear as an undergarment.

The soft body armor shall be designed to provide:

- 1. Light and thin NIJ Standard-0101-06 for Bullet Resistant body armor in Level 3A
- 2. A high degree of concealment and comfort.
- 3. Minimum restriction of motion or mobility.
- 4. Optional carriers to allow for laundering and color changes.

5. Provide protection against the labeled projectiles in accordance with the NIJ Standard-0101-06 for Bullet Resistant Body Armor.

GENERAL DESIGN:

The ballistic panels of soft body armor meeting this specification shall provide thin, flexible, lightweight comfort utilizing a matrix of two or more of the following: Wwaron, gold RS and Dyneema or approved equal. There shall be no stitching completely through the entire ballistic panel(s), with the exception to tacks at the panel's edges. The soft body armor shall be designed for regular daily wear as an undergarment. Therefore, vest shall be designed and constructed to provide (1) light and thin NIJ Standard-0101-06 for Bullet Resistant Body Armor certified armor in Level 3A, (2) durability (3) ease of cleaning, (4) minimum restriction of motion or mobility and (5) the greatest amount of ballistic coverage consistent with comfort and concealment.

The general configuration shall be the slipover vest type that covers the majority of the upper torso, including side coverage. Availability for four or six elastic straps with hook and pile fasteners shall provide proper positioning and comfort. The entire vest perimeter shall be curved. No sharp corners or straight edges shall be allowed.

The front ballistic panel shall cover the chest approximately up to the collar bone, have a scooped neck sufficient to maintain concealment when wearing an open collar shirt, extend downward to the waist but not far enough to "push up into the throat" when the wearer is seated, and extend around the sides to provide side protection. The biceps/chest area shall be cut with sufficient space to minimize irritation and restriction of arm movement during common duties such as the operation of a motor vehicle.

The rear ballistic panel shall cover the back of the torso from just above the shoulder blades down to a position above the waist belt. The sides of the torso shall be covered by having side coverage from both the front and rear panels, as the department has determined that such a configuration maximizes both coverage and comfort. Accordingly, armor which maintains side coverage from only the front and rear panels will be rejected.

Panels and carriers shall be equipped with an internal suspension system, which prevents ballistic panels from sagging, ensuring full protection.

Each piece of soft body armor shall include the following:

- 1. One (1) set of ballistic panels (1 front, 1 rear)
- 2. Two (2) complete NS washable carrier.
- 3. One (1) trauma reduction insert.

OPTIONS:

The following will be optional equipment that can be purchased:

- 1 Tactical outer carrier
- 2. Washable carrier

BALLISTIC PANEL MATERIALS

All materials shall be new, unused and without flaws that affect appearance, durability and function. The ballistic panels shall be constructed of a matrix of two or more of the following: Twaron, gold flex and Spectra Shield II or approved equal. As the agency has selected these materials, any bids which represent products manufactured from other materials shall be approved prior to an award of the contract. Agency has final decision without an appeal process for their decision.

PANEL CONSTRUCTION:

The ballistic panels shall be constructed of a matrix of two or more of the following: Twaron, gold flex and Spectra Shield II. There shall be no stitching completely through the entire ballistic panel(s) with the exception to takes at the panels edges.

All vests, which are submitted, shall represent armor, which in layer count is uniform throughout the ballistic panel. Accordingly, any ballistic panel, which is not uniform, in layer count, throughout the entire ballistic package, shall be rejected. If the manufacturer contends that such feathering of the armor is advantageous, then the armor shall be tested utilizing the least number of layers, which exist in any part of the ballistic package. Failure to submit such testing shall be cause for rejection.

It is the intent of the agency to procure the lightest weight, best performing personal armor available in relation to areal density, therefore a vest section of 12"X12" (one square foot) (30.5 cm X 30.5 cm) must not exceed the following

Threat Level	maximum weight	maximum thickness
3A	.93 lbs. sq, ft.	.288 inches

BALLISTIC PANEL PERFORMANCE

V50 Performance

Each bidder shall submit V50 Test reports for the vest being offered. The V50 test reports for the vest being offered. The V50 test shall be performed in accordance with MIL-STD-662F using NIJ Standard-0101-06 for Bullet Resistant Body Armor 9mm 124 grain FMJ test projectiles. The test must be performed by an independent

laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement technology Center (NLETC) for testing in accordance with NIJ Standard-0101-06 for Bullet Resistant Body Armor. Models grandfathered into compliance with NIJ Standard-0101-06 will be rejected. The vest must be tested under protocol contained in the new NIJ Standard-0101-06 for Bullet resistant Body Armor. The V50 test shall be against clay backing. V-50 reports which represent testing without clay backing shall be rejected. Vendor shall provide written certification that all V 50 testing is accomplished with clay backing. Failure to provide certification shall be cause for rejection.

Test reports submitted by the bidder shall reflect the following minimum test results.

Threat Level Bullet Description V50 Velocity (Minimum)
3A .357 Sig 125-grain tmj 1819 fps

Bid submissions not including NIJ required baseline V50 reported shall be rejected. In addition to the NIJ Standard-0101-06 for bullet resistant body armor required 9mm/V50 test report, each bidder must provide NIJ Base Line Test Reports on the following minimum test results.

Threat Level Bullet Description V50 Velocity (Minimum) 3A 44 mag, jhp 240-grain 1642 fps

Relative Performance Index (RPI)

It has been determined that the relative strength to weight ratio of a ballistic design is important in determining its comfort/performance characteristics. The strength to weight ratio is calculated by dividing the areal weight (lbs. per square foot) into the performance V50 value. A high strength to weight ratio or Relative Performance Index (RPI) indicates a high degree of comfort & performance. Therefore, the minimum RPI shall be no lower than:

Threat Level	Bullet Description	Relative Performance Index (RPI Minimum)
3A	.357 Sig 125 grain tmj	1819 fps
3A	44 mag, FJP, 240-grain	1642 fps

Trauma Performance (BFS)

Blunt Trauma reduction is an important aspect of armor design. Low back face signature (BFS) should result in reduced blunt trauma injury. Therefore, the back face signature results of NIJ Standard-0101-06 for Bullet Resistant Armor certification test reports shall reflect BFS no higher than:

Threat Level	Bullet Description	back face signature (BFS Maximum)
3A	.357 Sig 125-grain tmj	44mm
3A	44 mag, FJHP, 240-grain	44mm

Bid submissions which do not meet this requirement, will be rejected.

LABELING

Label material shall withstand normal wear and cleaning and remain readable during the entire warranted life of the armor or carrier.

All soft body armor shall be labeled in strict adherence to the labeling requirement set forth in NIJ Standard-0101-06 for Bullet Resistant Body Armor. The ballistic panel labeling shall include, but not be limited to the following:

- 1. Name of Manufacturer
- 2. Level of Protection
- 3. NIJ Standard-0101-06 for Bullet Resistant Body Armor
- 4. Date of fabrication
- 5. Size
- 6. Serial Number
- 7. Model of Vest
- 8. Care instructions
- 9. Lot number.

BALLISTIC PANEL COVER MATERIAL

Each ballistic panel shall be covered in 100% anit microbial Olefin treated for water repellency. Construction 70 denier and sized 110" X 85" (279cm x 215 cm). Inner cover material must be stain-resistant, odor and mildew resistant. Material shall have no visible fabric or color flaws.

VEST OUTER CARRIER MATERIAL

Removable carrier-ns-carrier

The outer machine washable carrier shall be removable from the ballistic panels for laundering by way of zippers integrated into the outside of the garment. Carrier shall come with fixed waist and shoulder straps. Carrier shall come with (1) set of straps. Outer vest material shall be poly-cotton or micro mini-rip. The inner carrier material shall be Akwadyne Mesh. Male carrier shall have both a 7X9 and 5X8 pockets on the outer front of the carrier. All fabrics shall have no visible fabric or color flaws.

TRAUMA INSERT

A trauma reduction insert constructed of bullet resistant material cut five inch by eight inch shall be provided. The trauma reduction insert shall be placed in a nylon cover, which shall be tucked into one end of the ballistic material and sewn shut through to hold it in place.

QUALITY CONTROL

The manufacturer must maintain a quality program certified under the ISO 9001 certification program by an accredited registrar under the accreditation of the Registrar Accreditation Board. The scope of the certification must include the Design and Manufacturing of technologically advanced personal safety equipment including concealable and tactical bullet resistant vests, custom body armor, composite armor, explosive ordinance protection, ballistic face and head protection, ballistic shields and other police and military apparel, and narcotic identification systems.

The documented quality control system must be designed to insure the integrity and quality of the manufactured products. The quality control system shall control all manufacturing process and incoming raw materials. The manufacturer must have an inhouse ballistic laboratory capable of performing ballistic testing of incoming raw materials and in-process samples. The manufacturer must have the capability of performing testing in accordance with MIL-STD-662 and NIJ Standard-0101-06 for Bullet Resistant Body Armor. Procedures for lot testing of incoming raw materials and in process samples must be incorporated into the quality control system. All incoming ballistic material shall undergo V-50 ballistic lot test in accordance with MIL-STD-662. Every vest panel manufactures shall be subsequently inspected for proper ballistic panel stitching. Covers and accessories shall be re inspected during manufacturing for defects at selected points during manufacturing to assure the absence of hidden defects in the final item.

In addition, each vest shall receive a final inspection prior to shipment. This inspection shall include a review of the quality control check sheet and confirm the product against the customers order.

A copy of the Certificate of Accreditation, as well as the manufactures quality control program must be submitted prior to the award.

SERIAL NUMBERS

Each unit of soft body armor delivered shall have an individual serial number. Each serialized soft body armor shall be traceable to its original ballistic material mill roll number. Additionally the soft body armor serial number shall be traceable t an incoming

material lot test and ballistic panel lay up lot test. The vendor must have the ability to trace serial numbers.

LOT TESTING

All incoming ballistic material shall undergo V50 ballistic lot test in accordance with MIL-STD-662F except that the test will be conducted on clay backing which meets the requirements of NIJ Standard-0101-06 for Bullet Resistant Body Armor for backing material.

MEASUREMENT AND FITTING

Unless otherwise stated, individual measurements will be taken of each user. Each delivered vest shall fit in accordance with the following guidelines:

- 1. The side edges of the front and back ballistic panels shall meet or overlap.
- 2. The bottom edge of the front ballistic panel shall be with one inch (1") of the highest waist belt (usually the duty belt) measurement when the wearer is in a relaxed seated position.
- 3. The bottom edge of the front ballistic panel shall be within one-inch (1") of the highest waist belt (usually the duty belt) measurement when the wearer is in a relaxed seated position.
- 4. Female sizes are determined based on individual measurements including bust size and are conformed through the use of sizing/fit samples in conjunction with a tape measure and a certified Size Right Program.

The selected bidder must have a manufacturer armor-sizing program that utilizes certified representatives and distribution-trained personnel to properly size armor.

FIT AND ALTERATION POLICY

The manufacturer shall perform all required alterations of more than one inch within 30 days after the original shipment of the product at no charge. Adjustments of an inch or less can be accomplished by utilizing the adjustable strap feature on the vest.

PRODUCT LIABILITY INSURANCE

Vest manufacture shall agree to provide a minimum of \$20,000,000.00 product liability insurance coverage on delivered vest.

WARRANTY

Ballistic Panels: For five (5) years after the date of purchase the manufacture will warrant the ballistic panels against defects in materials and workmanship.

The alteration of ballistic panels in any way shall render the warranty void.

REMOVABLE COVERS:

Removable machine washable covers shall be fully warranted for twelve (12) months after the date of purchase against any defects in the material and /or workmanship.

PACKAGING

All soft body armor shall be packaged and shipped consistent with good commercial practices.

Plastic Bags: Each set of armor, along with its optional equipment shall be placed in an individual plastic bag.

Shipping Cartons: The soft body armor shall be packed into suitable corrugated cardboard box. The box shall allow for normal shipping without damage to the soft body armor.

DOCUMENTATION

The following documents, certifications, test-reports and samples must be provided.

- 1. Models must be clearly identified and shall include:
 - a. Full product description
 - b. Complete bid sample, male and female
 - c. Drawings and/or photographs
 - d. Technical specifications
- Manufacturers bidding direct must provide a service proposal as to how
 measuring, alterations and customer service will be maintained without local
 distribution.
- Compliance with NIJ Standard-0101-06 for bullet Resistant Body Armor and test reports from an accredited laboratory for the vest being certified under the NIJ 2005 Interim Requirement and not grandfather in under earlier standards.
 - a. Any ballistic rounds tested above and beyond the required NIJ

 Standard-0101-06 for Bullet Resistant body Armor standard for
 requested threat level requires a report from a NIJ Certified Laboratory.
 Any Bidder that does not provide such documentation will be rejected.
- 4. V50 test reports performed in accordance with MIL-STD-662F. V50 testing must be accomplished with clay backing.

NIJ Standard-0101-06

- a. Test Reports must be submitted for the entire ballistic package.
- b. Test reports must be submitted for incoming materials, which are utilized in the ballistic package.
- 5. Chemical test reports certifying use of Akwadyne fabric treatment
- 6. The ability to trace serial numbers.
- 7. The layer count of the vest must be uniform throughout the entire ballistic package. If not, test reports must be submitted for the vest utilizing the least amount of layers.
- 8. Quality Control Procedures
 - a. Incoming materials
 - b. Lay-up configuration
 - c. In-process configuration
 - d. Testing verification
 - e. Inspection of ballistic panel stitching
 - f. Random final product inspection and continuous in-process surveillance
- 9. Product Liability Insurance providing a minimum coverage of \$20,000,000.
- 10. Documentation stating a 5-year ballistic passage warranty
- 11. Documentation stating a 12-moth cover warranty
- 12. ISO-9001 Certificate

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 - b. Lay-up configuration
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 - e. Inspection of ballistic panel stitching
 - f. Random final product inspection and continuous in-process surveillance
- 9. Product Liability Insurance providing a minimum coverage of \$20,000,000.
- 10. Documentation stating a 5-year ballistic passage warranty
- 11. Documentation stating a 12-moth cover warranty
- 12. ISO-9001 Certificate

COST

One (1) complete set of body armor shall include:

- 1. One (1) Set of ballistic panels (1 front and 1 rear)
- 2. Two (2) Complete NS washable carrier.
- 3. One (1) Trauma reduction insert

COST SHEET

The below list is a price list for body armor and carriers. The quantities provided are for evaluation purposes only and may vary based on the needs of the agency.

Description	Estimated Quantity	Extended Cost
One (1) complete set of body armor, to include level IIIA front and rear ballistic panels, two (2) washable carriers (concealable) for said panels and trauma reduction insert. \$762.00 per yest	200	\$152,400.00
One (1) washable carrier (concealable) \$47.00 per carrie	175	\$ 8,225.00
One (1) tactical outer carrier \$66.00 per carrie		\$8,250.00
r		

TOTAL BID \$ 168,875.00

X treme FC01 Level IIIA

COST SHEET
The below list is a price list for body armor and carriers. The quantities provided are for evaluation purposes only and may vary based on the needs of the agency.

Description	Estimated Quantity	Extended Cost
One (1) complete set of body armor, to include level IIIA front and rear ballistic panels, a washable carrier (concealable) for said panels and trauma reduction insert. \$522.00 per vest	200	\$104,400.00
One (1) washable carrier (concealable) \$47.00 per carrier One (1) tactical outer carrier \$66.00 per carrier		\$8,225.00

TOTAL BID \$ 120,875.00

Xtreme BROI Level IIIA

COST SHEET

The below list is a price list for body armor and carriers. The quantities provided are for evaluation purposes only and may vary based on the needs of the agency.

One (1) complete set of body armor, to include level IIIA front and rear ballistic panels, a washable carrier (concealable) for said panels and trauma reduction insert. \$ 618.00 per vest One (1) washable carrier (concealable) \$ 53.00 per vest carrier One (1) tactical outer carrier	Description	Estimated Quantity	Extended Cost
One (1) washable carrier (concealable) \$ 53,00 per vest carrie 175	panels and trauma reduction insert. 6 618 00 000 000 0000		\$123,600.00
5600 Der carrier	One (1) washable carrier (concealable) \$ 53.00 per vest of the concealable) \$ 63.00 per vest of the concealable \$ 66.00 per corrier	arrie175	\$ 9275:00

TOTAL BID \$ 141,125.00

Summit SMOI Level IIIA

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NIJ Standard-0101.06 July 2008

Ballistic Limit Summary Data

 Report Number:
 X137-007
 Test ID: SAF09-001633
 Report Date:
 01/21/10

 Manufacturer:
 Safariland, LLC
 Model Designation:
 BA-3A00S-SM01
 NIJ Armor Type:
 3A

Threat 1 - New Armor

Ammunition: 357 SIG 125/FMJ Reference Velocity: 1470 ± 30 ft/s Water Submersion: No

Sample	Sample Back Avg. Vel. (ft/sec)	Panel Perf		Sample Front	12 Panel		Sample Back	12 Panel		Sample	13	
Shot Avg. Vel. Perf Number (fusec) (Y=1/N=0) Note	Avg. Vel.									Front	Panel	
Number (ft/sec) (Y=1/N=0) Note 1 1490.1 0 2 1545.8 0 3 1688.0 0				Avg. Vel:	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
1 1490.1 0 2 1545.8 0 3 1688.0 0		(Y=1/N=0)	Note	(ft/sec)	(Y≈1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
2 1545.8 0 3 1688.0 0	1480.6	0	11010	1487.7	0	,,,,,,	1461.4	0		1491.9	0	
3 1688.0 0	1551.1	ő		1562:0	ō		1575.1	0		1643.1	Õ	
I -	1691.2	Ö		1668.1	0		1715.9	0		1694.1	0	
4 1.777.1	1780.6	0		1775.9	õ		1812.6	ő		1779.7	0	
5 1715.3 0	1821.2	0		1877.9	Ö		1853.2	1		1827.8	ö	
6 1736.1 0	1869.9	0		1940.6	0.		1843.3	1		1950.8	0	
	1961.94	1		2006.82	1		1807.99	1		2050.86	1	
	i .							Ó		1	1	
8 1821.16 0	1924.93	0		1951.22	1		1734	_		2000		
9 1840.27 0	1982.95	1		1936.48	0		1758.4	0		1950.46	1	
10 1861.16 0	1954.65	0		1993.22	1		1826.48	0		1882.88	0	
11 1939.49 1	1941.75	1		1946.26	0		1865.67	0		1929.76	1	
12 1895.74 1	1954.27	0		1996.41	0		1923.45	0		1873.01	0	
13												
14												
15												
Sample 13	Sample	14.		Sample	14		Sample	15		Sample	15	
Back Panel	Front	Panel		Back	Pane!		Front	Panel		Back	Panel	
Shot Avg. Vel. Perf	Avg. Vel.	Perf		Avg. Vei.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
Number (ff/sec) (Y=1/N=0) Note	(fr/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1(N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1 1500.4 0	1469.7	0		1449.3	0		1468.0	0		1451.0	0	
2 1599.2 0	1542.7	0		1558.6	0		1538.2	0		1538.9	0	
3 1695.2 0	1652.3	0		1661.1	0		1626.0	0		1654,5	0	
4 1798.2 0	1791.5	0		1771.2	0		1670.8	0		1703.6	0	
5 1859.4 0	1859.4	0		1883.2	1		1738.5	0		1785.1	0	
6 1950.1 1	1982.9	1		1827.2	1		1800.2	0		1879.0	1	
7 1896.81 1	1926.78	1		1797.27	0		1833.52	0		1816.2	0	
8 1839.25 0	1871.26	0		1835.54	0		1884.66	0		1867.07	0	
9 1893.94 0	1896.81	1		1780.63	0	ĺ	1901.57	0		1917.18	O	
10 1938.36 0	1859.43	0		1847.06	0		1972.78	1		1968.5	1	
11 1998.8 1	1922,71	1		1969	1		1965.8	1		1950.84	1	
12 1976.28 1	1948.94	1		1942.5	1	j	1931.99	1		1931.62	1	
13		•			·							
14			1									
15												
Summary: Total Usab	le Shots:	120 /	Accept	ahle	······································	————— Pe	forations	below 150	O ft/s:	0	Acceptable	
Perforations (Complete Pene Stops (Partial Pene	trations):	37 A	Accept Good		Test (ssion Mod		Ü	осорио	•
Regression Analysis		1.0 -					-19-000-50					
	gistic	0.9 -	ļ		. ، والم	·	4					
Model Parameters: β0:	-37.4	- 8.0		1				.,/			Test Data	
β1:	0.020	0.7 -					4	1			V Ref.	
•								<i>[.</i>				
Estimated V50: 1909	ft/s	g 0.5									V Ref. + 30	
		0.6 0.5 0.4 0.4 0.4			1,	ومولف	1			 	Est. Respon	se
Estimated V05: 1759	ft/s	0.3	l				11./		}		Est. V50	
		0.2	l		į,		1/			 	Est. V05	
Probability of perforation at NIJ re	eference	0.1 -					1.			L		!
velocity (1470 ft/sec): 0.0%			[1		***		·	j			
	j .	0.0	00	1200	1400 1	600	1800	2060	2200			
		10	WU	1200	1400	OUU	FOUU	2000	2200			
					Velo	city (ft/	s)					

EXPORT CONTROLLED (1 with a These commodities, to had being a transmitted for equation, we make the control of the structure and all the structure and all the structures.

Diversion contrary of U.S. has is problemal. BAE Systems

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NIJ Standard-0101.06 July 2008

Ballistic Limit Summary Data

 Report Number:
 X137-007
 Test ID: SAF09-001633
 Report Date:
 01/21/10

 Manufacturer:
 Safariland, LLC
 Model Designation: BA-3A00S-SM01
 NIU Armor Type: 3A

Threat 2 - New Armor

Ammunition: 44 Mag 240/SJHP Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

Sample Sample Sample Sample Sample 18 Panel Panel Panel Panel Back Back Front Front Panel Front Shot Avg. Vel. Perf Avg. Vel. Perf Avg. Vei. Perf Avg. Vel. Perf Avg. Vel. Number (ft/sec) (Y=1/N=0) Note (ft/sec) (Y=1/N=0) (ft/sec) (Y=1/N=0) Note (ft/sec) (Y=1/N=0) Note (Y.=1/N=0) .Note (ft/s.cc) 1454.3 0 1451.0 1413:5 1456.0 1453: 2 1549.4 1569.4 1552.3 1584.5 0 1548.5 0 3 1637.7 Ö 1622.8 0 1635,1 0 1629.2 Ð 1628.1 Ω 1685.8 1704.2 1719.7 1723.5 1716.1 4 1 0 1 5 1659.5 0 1778.4 0 1671.1 0 1684.1 1657.3 6 1681.8 0 1846.4 0 1718.5 1714.1 1719.1 0 0 0 1771,17 1713.5 1866.72 1750.4 1755.62 1 1705.9 8 1690.9 0 1844.68 1712.62 1731.3 1 0 1817:85 9 1700.68 0 Ó 1680.11 0 1677.85 1757.78 10 1733.1 1839.25 1727.71 1670.29 1707.07 11 1710.86 0 1823.82 0 1764.91 1690.62 1684.07 0 1832.84 12 1771,17 1726.52 n 1734.61 1666.11 n 13 14 15 18 19 19 20 20 Sample. Sample Sample Sample Sample Back Panel Front Panel Back Panel Front Back Avg. Vel. Avg. Vel. Avg. Vel. Shot Perf Perf Perf Avg. Vel. Perf Avg. Vel. Perf (Y=1/N=0) (Y=1/N=0) (ft/sec) (Y=1/N=0) (Y=1/N=0) (Y=1/N=0) Note Numbe. (ft/sec) (ft/sec) (ft/sec) (ft/sec) 1456.9 1448.0 1465.4 1474.5 1475.4 1543.7 2 1584.3 0 1554.2 0 1568.6 0 1557.6 3 1622.8 0 1636.7 0 1642.0 1636.1 0 1651.3 0 4 1712.9 1715.3 1586.3 1723.5 0 1724.7 5 1664.4 1677.3 1627.6 1684.4 0 0 1682 4 1677.3 6 1651.8 0 1721.2 0 1631.3 O 1647.4 Ð 0 7 1691.76 1.743.07 1711.74 n 1655.36 1682.65 8 1609.79 1706:48 Ó 1755,31 1640.42 1645.82 9 1658.93 1743.38 1793:08 1673.92 1683.79 10 1717.33 1709.11 1767.41 1707.65 0 1714.97 1 1 1675.04 1701.26 1747.34 1678.98 0 11 1676.73 0 12 1629.2 1633.45 1669.45 1786.67 1691.77 13 14 15 Summary: Total Usable Shots: Good Perforations below 1460 ft/s: Acceptable Perforations (Complete Penetrations): Acceptable Stops (Partial Penetrations): 75 Test Data and Regression Model Acceptable Regression Analysis 1.0 Regression Model: Logistic 0.9 Model Parameters: -31.8 60: 0.8 Test Data G1: 0.019 0.7 V Ref 0.6 ~~ V Ref. + 30 Estimated V50: 1716 ft/s 0.5 Est. Response 0.4 Estimated V05: 1557 ft/s - Est. V50 0.3 -Est. V05 0.2 Probability of perforation at NIJ reference 0.1 velocity (1470 ft/sec): 0.5% Acceptable 0.0 1000 1200 1400 1600 1800 Velocity (ft/s)

DEFORT CONTROLL FOR TA

These compactives, updated up, and was some for a marital factor of a finite constraint with the U.S. Unjust Admirostration Regularity.

Diversion constraint in U.S. Law in polarited.

BAB Statems

Page 2 of 63

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NIJ Standard-0101.06 July 2008

Ballistic Limit Summary Data

 Report Number:
 X137-007
 Test ID: SAF09-001633
 Report Date:
 01/21/10

 Manufacturer:
 Safariland, LLC
 Model Designation: BA-3A00S-SM01
 NIJ Armor Type:
 3A

Threat 1 - Conditioned Armor

Ammunition: .357 SIG 125/FMJ
Test Velocity: 1410 ± 30 ft/s Wet: No

Sample 25 Sample 25 Front Panel Back Panel Avg. Vel. Avg. Vel. Perf Perf Shot (ft/sec) (Y=1/N=0) Nöte Number (ft/sec) (Y=4/N=0) 1382.4 1422.3 0 2 1591.6 0 1513.8 0 3 1660.3 0 1641.8 0 1731.6 4 1738.5 0 5 1845.0 1801.5 0 1 1915.0 6 1799.9 1741.55 1867.06 1815.87 0 8 1804.4 0 1836.88 1850.48 9 1838.57 0 10 1740.64

14 15 Summary:

11

12

13

1859.43

1820.83

Total Usable Shots: 24 Acceptable Perforations (CP): 9

1772.42

1858.74

15

0

Perforations below 1440 ft/s: 0 Acceptable

Stops (PP):

Regression Analysis

Regression Model: Logistic Model Parameters: β0: -9

β0: -94.6 β1: 0.052

Th	Threat 2 - Conditioned Armor								
Ammunition:	.44 (Mag	240/SJHP						
Test Velocity:	1340	± 30 ft/s	Wet:	. No					

	Sample	26		Sample	26	
	Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf	
Num	(ft/sec)	{Y=1/N=0}	Note	(ft/sec).	(Y=1/N=0)	Note
1	1369.5	0		1369.9	0	
2	1461.6	0		1430.0	0	
3	1512.4	0		1504.9	0	- 1
4	1613.2	1		1629.7	0	- 1
5	1537.3	0		1650.4	0	
6	1596.2	1		1707.1	1	- 1
7	1531.39	0		1670.29	0	
8	1598.47	0		1737.32	1	- 1
9	1633.45	1		1670.56	1	
10	1608.75	1		1676.16	1	1
11	1551.83	0		1612.64	0	ı
12	1605.14	1		1663.9	0	[
13						ļ
14						ŀ
15						

Summary:

Total Usable Shots: 24 Acceptable Perforations (CP): 9 Stops (PP): 15

Perforations below 1370 ft/s: 0

Acceptable

Regression Analysis

Regression Model: Logistic

Model Parameters: β0: -35.1

β0: -35.1 β1: 0.022

Overall Ballistic Limit Summary

Perforations below Vref + 30 ft/sec: 0 This requirement is for all Ballistic Limit tested samples - New and Conditioned
This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Probability of perforation at the P-BFS reference velocity This requirement is for New armors only

Threat 1:

Threat 2: 0.5%

This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

ENDORT CONTROLLED DATA

These temmediales, treiniblings, and ledium where controlled for support in accombinate with the L.S. Lingues (Adv. or accombined Adv.) the accombinate with the Adv. December 2011 (1911) and the Adv. or accombined to the Adv. of the Adv. of the Adv.

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

Report	Number:	X137-	007		Test ID:	SAF09-0	01633					Kep	ort Date:		1/21/10	
Manu	ıfacturer:		Safarila	nd, LLI	c	Model	Desig	nation:	BA-3A00	S-SM01			. !	NIJ Armor	· Type:	3A
	nunition:	.357 \$	210	10	5/FMJ			- New	Armor 1470	± 30 ft/s		14	latar Suh	mersion:	Yas	
Ami	nunition:		51G		O/FIVIO	-		-Edge:		inches		•	idici ous		100	
	Sample	1		Size:	C-1				Sample	2		Size:	C-1			
		Front Pa	inel		:	Back Pa	inel			Front Pa	nel			Back Pa	ine!	
Shot	Avg. Vel.	Peif	BFS		Avg. Vel.	Perf	BFS		Avg. Val.	Perf	8FS		Avg. Vol.	Porf	BFS	
Number:	(ft/sec)	(Y=1/N=0).	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Nate
1	1456.0	0	29.0		1474.9	0	30.0		1470.8	0	27.0		1467.1	0	29.0	
2	1487.4	0	33.0		1471.5	0	26.0		1475.8	0	27.0		1488.8	Ð	27.0	
3	1495.0	0	33.0		1498.1	0	28.0		1489,6	0	30.0		1498.1	0	27.0	
4	1487.4	0			1479.9	0			1493.7	0			1492.3	0		
5	1485.2	.0			1474:7	0			1493.0	0			1486.8	0		
-									t							

1481.3

BFS Statistics: Count: 12 Average: Perforations: 0 (Pass) Summary: St. Dev.: Maximum BFS: 33.0 mm (Pass - No BFS greater then 44 mm)

1494.1

1495.7

8

	Sample	3		Size:	C-5				Sample	4		Size:	C-5			
	<u> </u>	Front Pa	nei		I	Back Pa	net			Front Pa	nel			Back Pa	ne	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Porf	8FS		Avg. Vel.	Perf	BFS-	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Not
1	1471.5	0	29.0		1462.8	0	27.0		1481.7	0	26.0		1465.6	0	25.0	
2	1488,3	O	25.0		1491.0	0	25.0		1495.2	0	27.0		1495.2	0	27.0	
3	1500.4	0	26.0		1489.0	D	26.0		1490.3	0	26.0		1499.9	0	27.0	
4	1493.2	0			1482.6	Q			1484.8	0			1483,5	0		
5	1479.1	0			1492.8	0			1476.2	0			1498.6	0		
6	1499.5	0			1490.5	0			1498.1	0			1495.4	0		
7																
8																
ummar	v:	Perfor	ations:	0	(Pass)			BF\$	Statistics:	Count:	12		Average:	26.3	шш	
	•	Maximun	BFS:	29.0	mm					k1:	1.568		St. Dev.:	1.15	mm	

Threat 2 - New Armor Reference Velocity: 1430 ± 30 ft/s Water Submersion: Yes

Amr	nunition:	.44 M	lag	240	/SJHP	Refere	nce Ve			± 30 ft/s inches		, v	later Sub	mersion:	Yes	-
	Sample	5		Size:	C-1				Sample	6		Sîze:	C-1			
		Front Pa	ine!			Back Pa	nel			Front Pa	mel			Back Pa	nel	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	8FS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y = 1/N = 0)	(mm)	Note
1	1405.9	0	40.0		1405.5	0	38.0		1430.0	0	43.0		1432.5	0	40.0	
2	1423.1	0	38.0		1424.3	Ó	39.0		1425.5	0	35.0		1433.7	0	43.0	
3	1419.4	0	40.0		1403.1	0	36.0		1416.6	0	36,0		1427.6	0	38:0	
4	1416.2	0			1417.8	0			1435.5	0			1432.9	0		
5	1419.0	0			1417.0	0			1437.8	0			1431.4	0		
6					•											
7																
8									·							
Summar	y:	Perfor Maximun	ations: n BFS:		(Pass) mm			BFS	Statistics:	Count: k1;	12 1.568		Average: St. Dev.:	38.8 2.55		
		,,				(Pass - N	o BES	areate	r then 44 r	nm)						

	Sample	7		Size:	C-5				Sample.	8		Size:	C-5			
		Front Pa	inel			Back Pa	nel		Į.	Front Pa	nel			Васк Ра	nei	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	8FS		Avg. Vel.	Porf	8FS		Avg. Vel.	Peri	BFS	
Number	(ft/sec)	(Y≑1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	.(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note
1	1430.0	0	35.0		1414.6	0	37.0		1426.5	0	38.0		1432,3	0	40.0	
2	1435.3	0	37.0		1434.5	0	43.0		1428.6	0	42.0		1431.6	0	42.0	
3	1434.5	0	42.0		1435.8	0	40.0		1434.5	0	44.0		1429.2	0	43.0	
4	1424.3	0			1444.5	0			1412.6	0.			1415.8	0		
5	1437.8	0			1430.4	0			1417.4	0			1428.6	0		
8	1428.6	0			1422.7	0			1427.6	0			1438.6	0		
7																
8																
Summai	ry:	Perfor Maximun	ations: n BFS:		(Pass) mm				Statistics:	k1:	12 1.568		Average: St. Dev.:	2.90	mm	
						(Pass - N	o BFS	greatei	then 44 :	mm) -c. 13	-13.35 <u>3.55</u>	د راجع الم				
						<u> </u>		×		Elizabeth Comment	1.75%	1,3,7	P 3 & P	1.0	1 1 1	3 Ay

These commendations and head of continues the entered of page 58 of 63. The other means are the entered of the

1499.0

UNITED STATES TEST LABORATORY V50 BALLISTIC LIMIT TEST DOPPLER RADAR

Date Received: 7/21/09

Via: Fed Ex

Returned Via: UPS

Record No:

SAF09141

Test Date:

7/28/09

Customer:

Safariland, LLC.

<u>Sample</u>

Manufacturer: Safariland

Projectile: C-5

RCC 2gr

Range 3 Muzzle to Target:

11.50 ft.

Size: No. of Plies:

38

Weight: Powder:

Target to Witness: Bullseye Witness Panel:

0.50 ft. 2024-T3 Alum.

Weight: Model No.: 5.13 lbs.

Barrel Length: 26 BA-3A00S-BR01 Obliquity:

Threat

0 deg, Temperature:

70 °F

Serial No.:

90968

Test Spec:

Mil-Std. 662F

Humidity:

45 %

Lot No.: DoM:

90084 07/2009

Sho	t Info.		Velocit	y Information	· · · · · · · · · · · · · · · · · · ·	·····	Penetr	ation Results
SHOT	Powder	Muzzle	Striking				Include	Complete
No.	Charge	f.p.s.	f.p.s.				Shot	Partial
1	5.5	3261	2812			***************************************	у	C
2	5.3	3140	2714				У	р
3	5,5	3209	2763				у	p
4	5.6	3249	2800				y	Ċ
5	5.5	3220	2785				ý	Ċ
6	5.3	3168	2728				y	р
						•		
		erformed in accordar		V50	HIGH	LOW	RANGE OF	RANGE OF
		uirements and the r		VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULT
	he ballis	tic performance of th	e listed sample.	2767	2763	2785	98	-22

REMARKS/NOTES

Sample secured using frame and clamps.

V50 based on three partial and three complete penetrations.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35; Plastic (0.01" thick").

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATE\$ IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

Childers/Nguyen

United States Test Laboratory, LLC 7447 W. 33rd North, Wichita, KS 67205, Phone 316-832-1600, Fax 316-832-1602

UNITED STATES TEST LABORATORY V50 BALLISTIC LIMIT TEST DOPPLER RADAR

Date Received: 7/21/09.

Via: Fed Ex

Returned Via: UPS

Record No:

SAF09142

Test Date:

7/28/09

Customer:

Safariland, LLC,

Sample

Size:

Manufacturer; Safariland C-5

Threat Projectile:

RCC

Range 3 Muzzle to Target:

11.50 ft.

Weight: 4gr

Target to Witness: Witness Panel:

0.50 ft.

No. of Plies: Weight:

36

Powder: Barrel Length: 26

Bullseye Temperature: 2024-T3 Alum. 70 °F

Model No.:

5.14 lbs.

BA-3A00S-BR01 Obliquity:

0 deg. Humidity:

Serial No.:

90964

Test Spec:

Mil-Std. 662F

45 %

Lot No.: DoM:

90084 07/2009

DOM.		0772009							
Sho	t Info.			Velocil	ty Information	/////////////////////////////////////		Penetr	ation Results
SHOT	Powder	Ì.	Muzzle	Striking				Include	Complete
No.	Charge		1.p.s,	f.p.s.				Snot	Partial
1	4.4		2759	2411				n	p
2	4.7	}	2806	2495				n	p p
3	5.0		2949	2646				y	p
4	5.3		3062	2761				n	C
5	5.1	1	2902	2595				у	С
6	4.9		2877	2567				ý	С
7	4.7		2817	2525				ý	q
8	4,9		2863	2568				ý	,
9	4.7		2856	2510				n.	р
10	4.9	İ	2892	2600				у	, p
				ince with the	V50	нісн	Low	RANGE OF	RANGE OF
				results properly	VELOCITY	PARTIAL	COMPLETE		MIXED RESUL
eflect f	the ballis	tic perforr	nance of t	he listed sample.	2584	2646	2567	121	79

REMARKS/NOTES

Sample secured using frame and clamps.

V50 based on three partial and three complete penetrations.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film,

Layers 33, 35: Plastic (0.01" thick").

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Childers/Nguyen

United States Test Laboratory, LLC 7447 W. 33rd North, Wichita, KS 67205, Phone 316-832-1600, Fax 316-832-1602

Date Received: 7/21/09

Via: FedEx

Returned Via: UPS

Record No: SAF09143 7/27/09 Test Date:

Customer: Safariland, LLC.

Sample **Threat**

Manufacturer: Safariland Size: C-5 īn. No. of Plies: 36

Weight: 5.14 lbs. BA-3A00S-BR01 Model No.: 90965

Serial No.: Lot No.: 90084 07/2009 DoM: Conditioning:

Projectile: RCC 16 gr. Weight:

Powder: Builseye Barrel Length: 28 ìn. Obliquity: 0 Test Spec:

deg. Mil-Std. 662F

Range 1

Muzzle to Scr. 1: 4:63 ft. Screen 1 - 2: 5.73 ft. Screen 2 - Target: 5.60 ft. Target to Witness: 0.50 ft. Midpoint to Target: 8.47 ft.

Witness Panel: Temperature:

2024-T3 Alum, 75 F.

Humidity:

46 %

							, raintaicy.		-40	70
Conditi	oning:	New		Matt'	-1.1					
		Chronograph	1	Chronograph	2					Penetration
SHOT	Powder	TIME	VELOCITY	TIME	VELOCITY	AVERAGE	Loss	Inslument	SHOT	Complete
No.		sx-5	fos	sx-5	fos -	Velocity ((ps)			Incl.	Partial
1	8.6	252.6	2268	180.0	2269	2269	143	2126	n	р
2	8.9	241.4	2373	171.9	2376	2375	149	2225	У	p
3	9.2	240.0	2387	171.0	2389	2388	150	2237	ý	Ċ
4	9.0	242.1	2366	172.5	2368	2367	149	2218	ý	С
5	8.7	249.7	2294	177.9	2296	2295	144	2151	У	р
6	9.0	243.2	2355	173.2	2359	2357	148	2209	y	р
7	9.3	239.1	2396	169.5	2410	2403	151	2252	ý	Ġ
			-		-	-			•	
			-		-	-				
			-		-	_				
			-		-	-				
			-		-	_				
			-		-	.				
			-		-	-				
			+		-	-				
			-			~				

This test was performed in accordance with the	V50	HIGH	LOW	RANGE OF	RANGE OF
specification requirements and the results properly	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
reflect the ballistic performance of the listed sample.	2215	2225	2218	101	7

REMARKS/NOTES

Sample secured using frame and clamps.

V50 based on three partial and three complete penetrations.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35: Plastic (0.01" thick").

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

Elston/Nold

United States Test Laboratory, 7447 W 33rd St. N. Wichita, KS 67205 Ph. 316-832-1600 Fax 316-832-1602

Via:

Size:

Date Received: 7/21/09

FedEx

UPS

Record No: SAF09144

Test Date: 7/27/09

Customer: Safariland, LLC.

in.

Sample | Manufacturer:

Returned Via:

Safariland C-5

BA-3A00S-BR01

Threat Projectile:

RCC 64 gr. Range 1 Muzzle to Scr. 1:

4.79 ft. 5.73 ft.

No. of Plies: Weight:

36 5.13 iπ. Weight: Powder: lb. Barrel Length:

Bullseye 26

Screen 2 - Target: Target to Witness: Midpoint to Target:

5.60 ft. 0.50 ft: 8.47 ft.

Model No.: Serial No.:

90966 90084 Obliquity: Test Spec: 0 deg. Mil-Std. 662F

Witness Panel: Temperature:

Screen 1 - 2:

2024-T3 Alum. 75 °F

Lot No.:

07/2009

Do С

Humidity:

46 %

DoM:	07/20
Sonditioning:	New

		Chronograph	1	Chronograph	2						Penetration
SHOT	Powder	TIME	VELOCITY	TIME	VELOCITY	AVERAGE	Loss	Instrument	Ş	TOHE	Complete
No.		sx-5	fps	sx-5	fps	Velocity (fps)				incl.	Partial
1	13.8	306.1	1871	218.6	1869	1870	85	1785		У	С
2	13.3	312.9	1831	223.3	1829	1830	-83	1747		у	р
3	13.8	306.9	1866	219.1	1864	1865	85	1781		У	c
4	13.2	320.2	1789	227.8	1793	1791	81	1710		У	ρ
5	13.7	310.5	1845	221.7	1843	1844	84	1760		У	S
6	13.2	314.5	1821	224.5	1820	1820	83	1738		У	р
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This tes	t was o	erformed in a	ccordanc	e with the		V50	HIGH	FOM	RANGE OF	RA	NGE OF

This test was performed in accordance with the	V50	HIGH ·	FOM	RANGE OF	RANGE OF
specification requirements and the results properly	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
reflect the ballistic performance of the listed sample.	1753	1747	1760	75	-13

REMARKS/NOTES

Sample secured using air/hydraulic frame and clamps.

V50 based on three partial and three complete penetrations.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36. Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film. Layers 33, 35: Plastic (0.01" thick").

THESE COMPRISHES IN MIDEORY OR SOFTWARE MEHR CARDITED

FROM THE LAURED STATES IN ACCORDANCE STATE EXPORT ADMINISTRAT. A REPORT STIGNS.

DIVERSION CONTRACTOR OF STAW

Elston/Nold

7447 W 33rd St. N. United States Test Laboratory LLC

Wichita, KS 67205

Fax 316-832-1602

UNITED STATES TEST LABORATORY BALLISTIC RESISTANCE TEST

Date Received: 07/21/09 FedEx

Returned Via: UPS

Record No: SAF09137 Test Date: 07/24/09

Customer:

Safariland, LLC.

Test Conditions

Temperature: 73 F. Humidity: 51 % Clay Block No.:

1 Clay Temp.: 105

Drops (Avg.): Test Spec.:

20 mm Modified/Abbreviated NIJ 0101.06

Threat Level:

Special Threat

۰F.

Condition: New Range 2

Muzzle to Scr. 1: 6.13 ft. Screen 1 - 2: 5.73 ft. Screen 2 - Target: 4.75 11.

Midpoint to Target: Target to Witness:

0 ft. Barrel Length: 4 in. Clay Block:

5.5 in.

7.62 ft.

	ole/Test Desc	ription			Ammuniti	on Descripti	on.	Chron	ograph	Results
Sample	Sample	Wet	0.45 Deg.	Shot	Shot	Caliber	Bullet	TIME	VELOCITY	Perforation
Size	Weight ((b.)	Dry	Angle	No.	Location		Wt./Type	5x-5	lps	BFS (mm)
C-1	1.69	Wet	0	1	1	7.62mm	85 FMJ	375.5	1525	23
C-1	1.69	Wet	O	2	2	7.62mm	85 FMJ	368.8	1553	20
C-1	1.69	Wel	0	3	3	7.62mm	85 FMJ	376.3	1522]
C-1	1.69	Wet	30	4	4	7.62mm	85 FMJ	378.4	1514	22
C-1	1.69	Wet	45	5	5	7,62mm	85 FMJ	376.3	1522	No Perforation
C-1	1.69	Wet	0	6	6	7.62mm	85 FMJ	375.8	1524	No Perforation
			Į				33.11.0	. 070.0	1024	No Perforation
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est was p	erformed in ac	cordance	with the		United Stat	es Test Labo	ratory	316-83	2-1600	Phone
rication re	quirements an	d the res	ults properly		7447 W. 33	rd St. N.	•		2-1602	Fax
ot the ballis	stic performanc	ce of the	listed sample	9.	Wichita, KS	67205	U.S.A.	00	~ 1002	1 44
ARKS/NO	TES:									

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance:

2.25"

Ammunition Used:

Customer requested six impacts with Romanian Tokerev 7.62mm 85 gr. FMJ @ a velocity of 1530 fps +/- 30 fps.

Sample Tested:

Model No.:

8A-3A00S-BR01 C-1

Size: DoM:

07/2009

Serial No.:

90962

Lot No.: Threat Level:

90084 IIIA

Sample Description:

Layer 1: Flex woven aramid liber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35: Plastic (0.01" thick").

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Crawford/Eiston

UNITED STATES TEST LABORATORY **BALLISTIC RESISTANCE TEST**

Date Received: 07/21/09 FedEx

73

51

1

Returned Via: UPS

Record No: SAF09135 Test Date:

07/24/09

Customer:

Safariland, LLC.

Test Conditions

Temperature:

Humidity: Clay Block No.:

Clay Temp.:

Drops (Avg.):

105 ۳F. 20 mm

٥F

%

Test Spec.: Threat Level:

Condition:

Modified/Abbreviated NIJ 0101.06

Special Threat New

Range 2

Muzzle to Scr. 1: Screen 1 - 2: Screen 2 - Target:

5.73 ft, 4.75 ft. 7.62 ft.

6,13 ft.

Midpoint to Target Target to Witness:

Barrel Length:

0 ft. 4 in.

Clay Block:

5.5 in:

	ple/Test Desc	ription			Ammunitio	on Descript	tion	Chron	ograph	Results
Sample	Sample	Wet	0-45 Deg,	Shot	Shot	Caliber	Bullet	TIME	VELOCITY	Perforation
Size	Weight (lb.)	Dry.	Angle	Na.	Location		WL/Type	5X-5	íps	BFS (mm)
C-1	1.68	Wet	0	1	1	9mm	127 SXT	456.5	1255	
C-1	1,68	Wet	0	2	2	9mm	127 SXT	449.5	1274	21
C-1	1.68	Wet	0	3	3	9mm	127 SXT	452.1		20
C-1	1.68	Wet	30	4	4	9mm	į.		1267	23
C-1	1.68	Wet	45	5	5		127 SXT	453,9	1262	No Perforation
C-1	1.68	Wet	0	6		9mm	127 SXT	455.8	1257	No Perforation
Ο,	1,00	44Cf	· ·	Ų	6	9mm	127 SXT	458.8	1248	No Perforation
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his test was o	performed in ac	cordance	with the		United State	ac Toet Lab	oroton	040.05		<u> </u>
pecification re	equirements an	d the res	uits properly	,	7447 W. 33		or atory		2-1600	Phone
eflect the balli	stic performant	re of the	listed campl		3	and the second second	() () ()	315-83	2-1602	Fax
ENTADIONIC	po.to;;;;;;;	00 01 010	iscu sampi	Б.	Wichita, KS	07205	U.S.A.			

REMARKS/NOTES:

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance:

2.25"

Ammunition Used:

Customer requested six impacts with Winchester Ranger 9mm Luger +P+ 127 gr. SXT @ a velocity of 1250 fps +/- 30 fps.

Sample Tested:

Model No.:

BA-3A00S-BR01

Size: DoM:

C-1 07/2009

Serial No.:

90963

Lot No.: Threat Level:

90084 ШÄ

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35: Plastic (0.01" thick"),

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Crawford/Elston

UNITED STATES TEST LABORATORY BALLISTIC RESISTANCE TEST

Date Received: 07/21/09 Via:

FedEx

Returned Via: UPS

Record No: SAF09136

Test Date: 07/24/09

Customer:

Safariland, LLC.

Test Conditions

Temperature: 73 ۳F. 51 %

Humidity: Clay Block No.:

1 Clay Temp.: 105

Drops (Avg.): Test Spec.:

20 mm Modified/Abbreviated NIJ 0101.06

°F.

Threat Level:

Special Threat

Condition: New Range 2

Muzzle to Scr. 1; 6.13 ft. Screen 1 - 2: 5.73 ft. 4.75 ft.

Screen 2 - Target: Midpoint to Target: Target to Witness:

Barrel Length:

4 In. 5.5 in.

7.62 ft.

0 ft.

Clay Block:

	ole/Test Desc	ription			Ammuniti	on Descript	ion	Chron	ograph	Results
Sample	Sample	Wet	0-45 Deg.	Shot	Shot	Caliber	Bullet	TIME	VELOCITY	
Size	Weight (lb.)	Dry:	Angle	No.	Location		WI./Type	sx-5	fps	Perforation
C-1	1.68	Wet	0	1	1	.357 SIG	125 GDHP	424.5	1349	BFS (mm)
C-1	1.68	Wet	Ö	2	2	.357 SIG	125 GDHP	426.0	1349	25
C-1	1.68 1	Wet	0	3	3	.357 SIG	125 GDHP	424.7		20
C-1	1.68	Wet	30	4	4	.357 SIG	125 GDHP	422.7	1349	21
C-1	1.68	Wet	45	5	5	.357 SIG	125 GDHP	423.9	1355	No Perforation
C-1	1.68	Wet	0	6	δ	.357 SIG	125 GDHP	425.9 425.4	1351 1346	No Perforation
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s test was p	erformed in ac	cordance	with the	÷	United Stat	es Test Labo	rator)			<u> </u>
cification re	quirements and	d the resi	ults properly	,	7447 W. 33		natorà	316-83		Phone
ect the ballis	itic performano	e of the	listed sampl	e.	Wichita, KS		U.S.A.	316-83	2-1602	Fax
VIARKS/NO	TES:	~			,a	01400	U.B.A,			

Shot location marking per NIJ 0101.06, Section 7.8.1.

Shot-to-edge distance:

Ammunition Used:

Customer requested six impacts with Speer .357 SIG 125 gr. GDHP @ a velocity of 1375 fps +/- 30 fps.

Sample Tested:

Model No.: Size:

BA-3A00S-BR01

DoM:

C-1 07/2009

Serial No.:

90958

Lot No.:

90084 Threat Level IIIA.

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35: Plastic (0.01" thick").

Crawford/Elston

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IS PROHIBITED

Date Received: 7/21/2009 Via: FedEx

Returned Via: UPS

Record No.: SAF09138 Test Date: 7/27/2009

Customer: Safariland, LLC.

Sample			<u>Threat</u>			Range 1	
Manufacturer:	Safariland		Projectile:	9mm		Muzzle to Scr. 1:	5,63 ft.
Size:	C-1		Weight:	127 SX	r ⁱ	Screen 1 - 2:	5.73 ft.
No. of Plies:	36		Powder:	Power F	Pistol	Screen 2 - Target:	4.61 ft.
Weight:	1.69	lbs.	Barrei Length:	14	in.	Target to Witness:	0.0 ft.
Serial No.:	90959		Obliquity:	0	deg.	Midpoint to Target:	7.48 ft.
Lot No.:	90084		Test Spec:	Modified	//Abbreviated	Witness Panel:	5.5 in. clay
DoM:	07/2009			NIJ 010	1.06	Temperature:	72 °F
Conditioning:	New					Humidity:	47 %

		Chronograph	1	Chronograph	2					Penatration
SHOT	Powder	TIME	VELOCITY	TIME	VELOCITY	AVERAGE	Loss	Instrument	SHOT	Complete
No.			fps-	5-xa	fps	Velocity (fps)			Incl.	Partial
1	9.6	342.9	1670	244.2	1673	1672	0	1672	у.	C
2	9.2	358.7	1597	255,5	1599	1598	0	1598	n n	Р
3	9.5	344.0	1665	245.0	1667	1666	Ö	1666	n	P P
4	9.8	341.8	1676	243.4	1678	1677	Ō	1677	'n	•
5	10.1	332.4	1723	236;7	1726	1725	Ö	1725	n	p p
6	10.5	318.9	1796	227.1	1799	1797	0	1797	n	C
7	10.3	328.2	1745	233.8	1747	1746	0	1746	n	р
8	10.5	321,4	1782	229.0	1784	1783	0	1783	'n	p
9	10,7	317.7	1803	226,3	1805	1804	0	1804	n	C
10	10.5	324.0	1768	230.8	1770	1.769	0	1769	n	p.
11	10.7	319.6	1792	227.6	1795	1794	0	1794	η	p
12	10,9	310.3	1846	221.0	1848	1847	0	1847	у	р
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				_	ł .
This test was performed in accordance with the	V50	HIGH	LOW	RANGE OF	RANGE OF
specification requirements and the results properly VE	LOCITY	PARTIAL	COMPLETE	RESULTS	
reflect the ballistic performance of the listed sample.	1759	1847	1672	176	176

REMARKS/NOTES

Clay Temp.;

101 deg. F.

2 Horizontal, 2 Vertical Straps

*A range of results at or below 125fps could not be obtained due to high partial and low complete penetrations. V50 based on one partial and one complete penetrations.

Sample Tested:

Model No.:

BA-3A00S-BR01

Threat Level: IIIA

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film.

Layers 33, 35: Plastic (0.01" thick").

Elston/Nold United States Test Laboratory LLC, 7447 W 33rd St. N. Wichita, KS 67205

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AICOGREPATIONE WAXTSHO-BAREGEXPDRT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

Date Received: 7/21/2009 Via:

Returned Via:

FedEx

UPS

Record No.: SAF09139 Test Date: 7/27/2009

Customer: Safariland, LLC.

Sample **Threat** Range 1 Manufacturer: Safariland Projectile: .357 SIG Muzzle to Scr. 1: 5.96 ft. Size: C-1 Weight, 125 GDHP Screen 1 - 2: 5.73 ft. No. of Plies: 36 Powder. Power Pistol Screen 2 - Target: 4.61 ft. 1.69 lbs. Barrel Length: Weight: 10 in. Target to Witness: 0.0 ft. 90961 Serial No.: deg. Obliquity: 0 Midpoint to Target: 7.48 ft. Lot No.: 90084 Test Spec: Modified/Abbreviated Witness Panel: 5.5 in, clay DoM: 07/2009 NIJ 0101.06 Temperature: 72 °F Conditioning: New Humidity: 47 %

		Chronograph	1	Chronograph	2					Penetration
SHOT	Powder	TIME	VELOCITY	TIME	VELOCITY	AVERAGE	Loss	instrument	SHOT	Complete
No.			fps	sx-5	fpa	Velocity ((ps)			Incl.	Panial
1	10.5	315.0	1818	224,4	1820	1819	0	1819	У	С
2	10.0	327.6	1748	233.7	1748	1748	G.	1748	n	р
3	10.2	323.4	1771	230.4	1773	1772	0	1772	n	þ
4	10.5	314.1	1824	223.7	1826	1825	0	1825	n	p
5	10.9	315.7	1814	224.9	1816	1815	0	1815	n	p
6	11.2	304.9	1879	217.2	1881	1880	0	1880	У	C
7	11.0	307.1	1865	218.7	1868	1867	0	1867	n	ρ
8	11.3	302.5	1894	215.5	1896	1895	0	1895	у	p
9	11.6	306.7	1868	218.4	1870	1869	0	1869	n	p p
10	11.7	293.0	1955	208.7	1957	1956	0	1956	У	p
			-		-	-	0		-	
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			-		-		0	-		
			-		•	-	0	_		
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		·	ū	-	
This test was performed in accordance with the	V50	HIGH	LOW	RANGE OF	RANGE OF
specification requirements and the results properly	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXEO RESULTS
reflect the ballistic performance of the listed sample.	1887	1956	1819	137	137

REMARKS/NOTES

Clay Temp.:

101 dea. F.

2 Horizontal, 2 Vertical Straps

*A range of results at or below 125fps could not be obtained due to high partial and low complete penetrations. V50 based on two partial and two complete penetrations.

Sample Tested:

Model No.:

BA-3A00S-BR01

Threat Level:

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32; Flex aramid film. Layers 33, 35: Plastic (0.01" thick").

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Elston/Nold

United States Test Laboratory LLC, 7447 W 33rd St. N.

Wichita, KS 67205

Date Received: 7/21/2009 Via:

Returned Via:

FedEx UPS.

Record No.: SAF09140. Test Date: 7/27/2009

Customer: Safariland, LLC.

Sample Threat Range 1 Manufacturer: Safariland Projectile: 7.62 Tokarev Muzzle to Scr. 1: 6.42 ft. Size: C-1 Weight: 85 gr. FMJ Screen 1 - 2: 5.73 ft Screen 2 - Target: No. of Plies: 36 Powder: Bullseye 4.61 ft. Weight; 1,69 lbs. Barrel Length: 4 in. Target to Witness: 0.0 ft. Serial No.: 90960 Obliquity: deq. Midpoint to Target: 7.48 ft. Lot No.: 90084 Test Spec: Modified/Appreviated Witness Panel: 5.5 in, clay DoM: 07/2009 NIJ 0101.06 Temperature: 72 °F Conditioning: New Humidity: 47 %

		Chronograph	1	Chronograph	2					Penetration
SHOT	Powder	TIME	VELOCITY	TIME	VELOCITY	AVERAGE	Loss	Instrument	SHOT	Complete
No.			lps	sx-5	fps.	Velocity (fps)			Incl.	Partial
1	7.5	348.6	1643	248.3	1645	1644	0	1644	n	р
2	8.2	331.0	1731	235.8	1732	1731	Ö	1731	n	р
3	8.9	314.8	1820	224,3	1821	1820	0	1820	У	c
4	8.6	324.1	1767	230.9	1769	1768	0	1768	У	Ċ.
5	8.3	327,1	1751	233,1	1752	1752	0	1752	n	р
6	8.6	324.3	1766	231.1	1768	1767	0.	1767	n	р
7	8.9	321.4	1782	229.0	1784	1783	0	1783	У	р
8	9.2	307,6	1862	219.1	1864	1863	0	1863	У	р
9	9.4	306.6	1868	218.4	1870	1869	0	1869	ÿ	р
10	9.7	303.9	1885	216.5	1887	1886	0	1886	У	С
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1			-		-	•	0	-		
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test was performed in accordance with the	V50	HIGH	LOW	RANGE OF	RANGE OF
ification requirements and the results properly	VELOCITY	PARTIAL	COMPLETE	RESULTS	MIXED RESULTS
of the ballistic performance of the listed sample.	1832	1869	1768	118	101

REMARKS/NOTES

Clay Temp.:

101 deg. F.

2 Horizontal, 2 Vertical Straps

V50 based on three partial and three complete penetrations.

Sample Tested:

Model No.:

BA-3A00S-BR01

Threat Level: MA

Sample Description:

Layer 1: Flex woven aramid fiber (2-ply laminated, 11x11).

Layers 2, 34, 36: Flex woven aramid fiber (2-ply laminated, 22x22).

Layers 3-17, 18-32: Flex aramid film. Layers 33, 35: Plastic (0.01" thick").

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Elston/Nold

United Stales Test Laboratory LLC, 7447 W 33rd St. N.

Wichila, KS 67205 ្រុះទ្រក្នុក្សមុខ្លាំ Fax 316-832-1602

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Date: 04/02/09 Test ID: SAF09-000388 Report Number: 09N010 NIJ Armor Type: 3A Model Designation: BA-3A00S-FC01 Manufacturer: Safariland

Threat 1 - Conditioned Armor

Ammunition: 357 SIG 125/FMJ

Cond: Dry Test Velocity: 1410 ± 30 ft/s

Thr	reat 2 - '	Conditions	ea Arm	or	
Ammunition:	.44	Mag	240/9	JHP	
Test Velocity:	1340	± 30 ft/s		Cond:	Dry
Sample	26	Sa	mple	26	
				-	

	Sample	25		Sample	25	
	Front	Panel		Back	Pane!	
Shot	Avg. Vel.	Perf		Avg. Vel.		
Number	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1358.9	0		1338.9	0	
2	1460,1	0		1406.4	0	
3	1584.5	0		1513.0	0	
4	1714.8	0		1574.6	0	
5	1776.6	1		1650.5	0	
6	1665.4	0		1781.4	1	
7	1739.45	0		17.01.17	0	
8	1747.41	0		1719.29	0	
9	1777.23	0		1783.65	1	
10	1821.42	0		1729:94	0	
11	1854.74	0		1759.32	0	
12	1888.25			1846.67	0	
13						
14	1					
15	1					

Total Usable Shots: Perforations (CP):

Good 3

Stops (PP): 21

Perforations below 1440 ft/s: Good

Regression Analysis

Regression Model: Model Parameters: Logistic

-17:3 β0: β1: 0.009

Estimated V50: 1953 ft/s

	Sample	26		Sample	26	
:	Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf	
Num	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1420.4	0		1362.1	0	
2	1474.3	0		1481.8	0	
3	1567.2	1		1583.4	1	
4	1504.8	0		1512.0	0	
5	1562.7	0		1565.9	0	
6	1617.8	0		1638.3	1	
7	1697.19	1		1.569.45	0	
8	1625.02	1		1625.25	0	
9	1552.31	0		1672.08	1	
10	1621.8	1		1620.79	1	
11	1549.87	1		1567.69	0	
12	1514.75	0		1613.3	0	
13						
14						
15						

Summary:

Total Usable Shots: Perforations (CP): 9

Stops (PP): 15

Perforations below 1370 ft/s:

Good

Good

Regression Analysis

Regression Model:

Logistic

Model Parameters:

-48.9 ß0:

β1: 0.031

Estimated V50: 1598 ft/s

Overall Ballistic Limit Summary

Perforations below Vref + 30 ft/sec:

This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Probability of perforation at the P-BFS reference velocity

Threat 1:

0.3%

Threat 2:

This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Compliance Test Report revision 354 (2009-03-08) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

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Backface Signature Worksheet New Armor

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BAE Syste	ms
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Panel 2	28	7.1	35	13
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Panel 4	28	25	2 C	-
Panel 5	30	54	>2	1/2
	3()	28	24	1
Panel 6	34	30	27	1-2
Panel 7		7 1	26	1/2
Panel 8	31	3.1	-))	-
	38	36	51	\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Panel 9	35	40	41	1/2
Panel 10		29	40	73
Panel 11	33	39		_
Panel 12	37	39	40	1/2
	47	40		1/2
Panel 13		20	3%	172
Panel 14	5/1	31		Ye
Panel 15	31	51	42	- Ju
	38	1 43		20
Panel 16	20			

Checked	By:_	

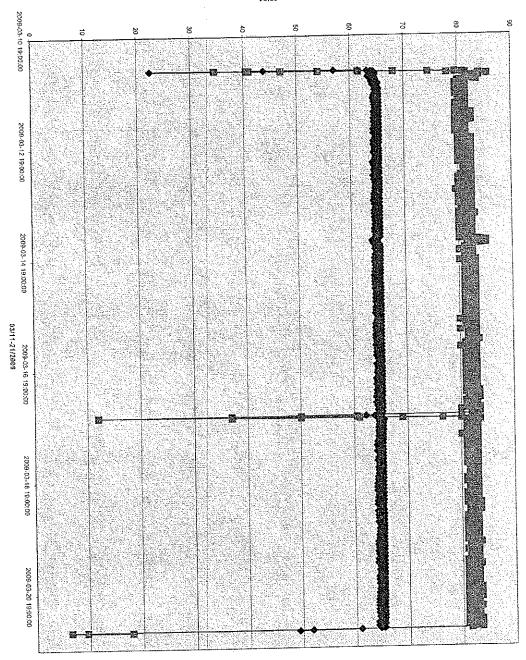
Backface Signature Worksheet Conditioned Armor

Date 3/23/09	
Record # 09N010	数学であった。 Apple of the second Market Company
Model SAF09-000388	These commodities, research of the first of the second of
Level IIIA	Administration Regulation. Administration Regulation. Diversion contrary to U.S. law is prohibited. BAE Systems

	#1	#2	#3	٦
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Panel 42	27	27	30	
Panel 43	28	26	3/	1000
Panel 44	34	37	40	F
Panel 45	38	40	40	7
Panel 46	37		37	Me
Panel 47	35 38	37	39	m
Panel 48		,		

Checked By:





EXPORT CONTRIBUTE

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Administration Regulation.

Diversion contrary to U.S. law is prohibited.

BAE Systems

—攤─ Humidity (%RH) —♦—Temperature (°C) 09N010

These commodifies, technology, or sect of for export in accordance with this Last Laport

Administration Regulation:
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BAE Systems

United States Test Laboratory NIJ 0101.06 Conditioning Test

	Time inserted 11:12a.m.	Date inserted
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	Time Removed	Date Removed
March 10	11:12a.m.	moved 3/21/2009 N
1	Model	Manufacturer
Thurs March 19	SAF09-000388	Manufacturer Safariland 09N010
Fri March 20	SAF09-000388	09N010

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NIJ 0101.06 Conditioning Test **United States Test Laboratory**

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Date inserted Time inserted 3/11/2009 11:12 Date Removed Time Removed 11:12 3/21/2009 Model Manufacturer Safariland SAF09-000388

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	1	,				***************************************								

Drum #: 1

Total Rotations: 71957

Remarks: 3/17: Humidity below spec for 1 hour 10 min. due to door being opened to

adjust samples in drum #3

U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington D.C. 20530

March 3, 2010

Scott O'Brien President Safariland, LLC 3120 East Mission Blyd Ontario, CA 91761

> Notice of Compliance with N.J. Standard-0101.06 Body Armor Model Designation: BA-3A00S-SM01 NIJ Compliance Status Expires: March 3, 2015

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard 0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.iusmet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard (IIII) 06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the NLF Body Armor Compliance Testing Program Administrative Manual and the Ballistic Body Armor Applicant Package, must be maintained as long as the NLJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NLJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely.

Debra Stoe

Physical Scientist

National Institute of Justice

Like 1 St



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

July 16, 2009

Scott O'Brien President Safariland, LLC 3120 East Mission Blvd Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06

Body Armor Model Designation: BA-3A00S-FC01 NIJ Compliance Status Expires: July 16, 2014

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard–0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the NIJ Body Armor Compliance Testing Program Administrative Manual and the Ballistic Body Armor Applicant Package, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

John Morgan

Deputy Director for Science and Technology

Morgan

National Institute of Justice

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U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

May 29, 2009

Scott O'Brien President Safariland, LLC 3120 East Mission Blvd Ontario, CA 91761

Notice of Compliance with NIJ Standard-0101.06

Body Armor Model Designation: BA-3A00S-BR01 NIJ Compliance Status Expires: May 29, 2014

Dear Mr. O'Brien:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard-0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

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"This model of armor has been determined to comply with NIJ Standard–0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the NIJ Body Armor Compliance Testing Program Administrative Manual and the Ballistic Body Armor Applicant Package, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

John Morgan

Deputy Director for Science and Technology

Magan

National Institute of Justice

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BAE Systems

Universal SizeRight® (NIJ-06) - Male

SAFARITAND.

	Name of Officer:		Badge #:
	Department Name:		Contact #:
	Shipping Address:		
Z	City:	State:	Zip Code:
읕	Distributor's Name:		
GENERAL INFORMATION	Measurer's Name:	Phone/E-mail:	
S S	NIJ STANDARD-0	101.06/0115.00	
7	ABA	SECOND CHANCE	THREAT TYPE COLOR
鱼	XTREME® SERIES	SUMMIT™ SERIES PRISM® SERIES (Spike)	☐ Type IIA ☐ Tan ☐ Black
包	☐ FC01 ☐ HP01 ☐ BR01	☐ SM01 ☐ XP01 ☐ P5-1.0 ☐ P5-2.2 ☐ P5-3.0	□ Type II □ Brown □ Navy □ Type IIIA □ Olive □ White
	Univ-AJ	SUMMIT™ SERIES PRISM® SERIES (MT) □ MN01 □ MT21 (II/2) □ MT01 (IIIA/3)	
	☐ Univ-AJ FRP	□ Apex □ SPA+ (poly)	Additional Information:
	☐ Univ-AJ (poly) ☐ Univ-AJ FRP (poly)	☐ Apex FRP ☐ SPA+ FRP (poly)	
	□ Other	□ Other	
	All magazzamente lietad	below reference illustration provided	
		with Duty Uniform Pant and Belt	PLEASE NOTE: This form should be used for NIJ
	and the second control of the second control		Standard-0101.06/0115.00 compliant armor ONLY.
	1 Height	ft ins	
	2 Weight	lbs	
	3 Full Chest	ins Using a cloth ruler pulled snug, measure across the body, around the largest chest circumference.	0
ATION	4 Girth	ins Measurement A:Use cloth ruler pulled snug on the large waist circumference above the duty belt.	st
SIZING INFORMATION	6 Overlap (Caution: Do by a Safarila	2" (Default) 1" Butt Fit 0ther o not add overlap into "Girth" measurement. Overlap measurements are calculated and customer service representative)	
SIZING	6 Center Back Torso	ins Measurement B to C: Use cloth ruler pulled snug. Measurement be to C: Use cloth ruler pulled	re of
	"Seated Position" wi	ith Duty Uniform Pant and Belt	
	7. Center Front Torso	ins Measurement D to E: Use cloth ruler. In a relaxed position measure from the clavicle notch to the top of the duty belt	
	8 Side Front Torso	ins Measurement F to G: Use cloth ruler. In a relaxed position	
	Side Holk 10130	measure from the clavicle bone to the top of the duty belt.	
0,00			
	ABA (former SizeRight		
	Front Panel Size (Medium: 32-35.5", Large: 36-3	39.5", XLarge: 40-43.5", XXLarge: 44-47.5", XXXLarge: 48-49.5")	
S	Front Length		
E		+1], (X+2), (X+3), Other	
È	(Medium: 32-35.5", Large: 36-3	39.5", XLarge: 40-43.5", XXLarge: 44-47.5", XXXLarge: 48-49.5")	
Ĕ	Back Length	Back Width	Recommended Size:
Ë	(0-1), (0), (0), (0), (A-1), (A), (A)	10 (1) 30) William and William South Company	
S			NOTE: If you already know the size, insert the desired
SIZING VEST CHARTS	Second Chance		NOTE: If you already know the size, insert the desired size in the box above.
	Front Girth	Back Girth	

Center Back Torso_

(10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23") (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23")

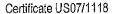
Side Front Torso _

Universal SizeRight® (NIJ-06) - Female ABA*, Second Chance* and SAVVY*

16 Side Front Bottom Torso



Name of Officer:			The lands of the second of the		Badge #:		
Department Name:					Contact #:		
Shipping Address:			V2	***			
Citv:				State: _		Zip Code:	
Distributor's Name:				•			
Measurer's Name:			Phone/E-m	nail:			
Distributor's Name: Measurer's Name: MIJ STANDARD-0 ABA XTREME® SERIES D BR01 D BR01	101.06/0115	5.00					
ABA .	SECOND CHA				SAVVY	THREATTYPE	COLOR OFFERINGS
XTREME® SERIES	SUMMIT™ SERI		A® SERIES (Spike) -1.0 □ PS-2.2 □ PS-3.0		COMFORT™ SERI □ CS01	IES ☐ Type IIA ☐ Type II	☐ Black ☐ Tan ☐ Navy ☐ Brown
☐ BR01	SUMMIT™ SER		Λ® SERIES (MT)			Type IIIA	☐ White ☐ Olive
Univ-AJ	☐ MN01	ПМ 🗆	21 (II/2) 🔲 MT01 (IIIA/3)		□ Retro □ Other	_	
Univ-AJ FRP	☐ Apex	□ SPA+				Additional Infor	mation:
☐ Univ-AJ (poly) ☐ Univ-AJ FRP (poly)	☐ Apex FRP		· FRP (poly) r	*			
All measurements listed	l below reference	e illustration prov	vided				
"Standing Position"	with Duty Unifo	orm Pant and Bo	producto Contrata de la Contrata de Contrata de Contrata de Contrata de Contrata de Contrata de Contrata de Co			E NOTE:This form shoul ard-0101.06/0115.00 co	
Bra Size (32,36,etc.)	Cup Size (A,B,etc		e Under Br (circumferer under oreas	nce directly	Stariot	ard 0101.00,0110.00 co	
2 Weight	lbs	Height	ft ins				
3 Full Chest	ins	Using a cloth rul of the body acro	er pulled snug, measure th ss the mid-breast line.	ie circumferend	ce /		
4 Girth	ins	Using a cloth ru circumference a	ler pulled snug, measure to bove the duty belt.	the largest wai	st		
Overlap (Caution:	2" (Default)	1" B	Butt Fit Other	 nts are calculated	/		
by a Safar	iland customer ser	vice representative	rement. Overlap measuremen e)				
6 Front Apex to Apex	ins	Measurement A measure from m	to B: Use cloth ruler. In a id-breast point to mid-brea	relaxed position relaxed position relaxed point.	on,		
Front Apex to Side	ins	Measurement A measure from c horizontal line.	to C: Use a cloth ruler. In a enter of side seam to mid-	a relaxed position -breast point in	on, a		
Front Apex to Side Victorial Content of C	ins	Measurement D cloth ruler pulled inch below the s) to E: With arms extended d snug and measure bra str sternum notch.	ed forward, us rap to bra strap	e 1		
	ins	Measurement Fit the center back the duty belt.	o G : Use cloth ruler pulled length from the shoulder p	snug. Measure point to the top	e of	b	0
र्जे 10 Back Width	ins	Measurement H one side seam t the back.	I to I: Use cloth ruler pulle to the other side seam at the	ed snug, measu he widest point	re t on		
"Seated Position" w	ith Duty Uniforn	n Pant and Belt					
11 Center Front Torso	ins	Measurement J measure from th	to E: Use a cloth ruler. In a ne clavicle notch to the top	relaxed position of the duty bel	on, t.		
12 Center Front Top Torso	ins		to K: Use a cloth ruler. In a the clavicle notch to the (
13 Center Front Bottom Torso	ins	Measurement K measure from th	(to L: Use a cloth ruler. In ne mid-breast point to the to	a relaxed positi op of the duty be	on, Relt.	ecommended Size:	
14 Side Front Torso	ins	Measurement N measure from u duty belt.	/I to N : Use a cloth ruler. In nderneath the clavicle bon	a relaxed posit ne to the top of t	the N	IOTE: If you already know thize in the box above.	ne size, insert the desired
15 Side Front Top Torso	ins	Measurement M measure from to breast point.	to A: Use a cloth ruler. In a underneath the clavicle b	a relaxed posit bone to the mi	ion, d-		SIZB®
16 Side Front Bottom Torso	ins	Measurement A	A to N: Use a cloth ruler. In ne mid-breast point to the to	a relaxed positi op of the duty be	on, elt.	Safarîland™ SizeRight™ – - Universal	Sizing Form SAF-650-3 as of 2/12/10





The management system of

Safariland, LLC

13386 International Parkway Jacksonville, FL 32218 United States

has been assessed and certified as meeting the requirements of

ISO 9001:2000

For the following activities

Ballistic apparel manufacturing for law enforcement, military and corrections personnel.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization

This certificate is valid from 13 January 2008 until 20 September 2010. issue 1.

Authorized by

TU

ACCREDITED ACCREDITED

SGS Systems & Services Certification

Division of SGS U.S. Testing Company Inc.

Meadows Office Complex 201 Route 17 North Ruthierford NJ 07070

t (201) 508-3000 f (201) 935-4555 www.us.sgs.com

Page 1 of 1





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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

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CERTIFICATE OF LIABILITY INSURANCE

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OF A			OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE AUTHORIZED REPRESENTATIVE Alon Plish Societies Central Inc.					
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STANDARD-SIZE BODY ARMOR SYSTEMS **EXPRESS LIMITED WARRANTY FOR**

Volvarischeing ayr zorlaw, prinsipo or representation, consilience with these Beliets feedmanse Specifications (to any used body amm seems used by demands of the constantial by a size used body amm seems used by demands of the constantial by a size used, postmant agency, bibursary, or any other pony rout orpressly outbursed by the Caryony shall not be easified in any numer volationers for purposes of the warmany.

Hese Ballistic Performance Specifications are limited to only those threats specifically dending in the NU 95 futerins Standards for the NU throat level designated on the body armot system labet, and do not include any special or other threats.

D. LIMITED REMEDIES

ite Consony's warrany liability is salely and exclusivisty limited to replacement, repair, or pro-cated purchase price credit (at the Company's sole described for any body arrow system returned pursuant to this warrowly during an applicable warrany period.

All eterns stall be made to this Company's Astroy flooth's repeal by the buyed pod many studies (1) proof of issua/purchase and (2) documentation operating the chainsoid before and off or any excession bestid present. A fortum Authorise that Manche (94) must be chainsoid from the Company's stork a returning the product. All woman's do make subject to serification by the company.

E. WARNINGS

JMITED IMPNOT FID TECTION. The Company's builds resistant years are intended to reduce or prevent high rise form specific thream. Body amony s not build proof and cannot protect against all diveats, impact totaes can result in serious injury or death,

THIS BULLET RESISTANT VEST CAN NOT PROTECT AGAINST ALL THREATS. The wearer of this builet resistant vest is expirestly informed that Availing slich a vast dute not release the wearer from undertaking appropriate self-potection measures when in a situation posing a finual.

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THE COMPAIN'S REMOVASE OUTER SHELL CARRIER DOES NOT PROVIDE ANY BALLISTIC PROTECTION. Wearing the outer shell cardin WITHOUT the ballistic panels, prevides NO ballistic protection!

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THE COMPANY'S BULLET RESISTANT VESTS ARE TESTED ACAMIST SPECIFIC THREATS BASED ON NUL COMPLIANCE TESTING CRITERIA Unless observice stated, this product has not been has to against non-NU complem threats and is not warranged to defeat extend contents. JALESS THE BUILLET RESISTANT VEST MODIEL SPECIFICALLY STATES OTHERWISE. THIS PRODUCT IS NOT WARRANTED TO DEFFAT CONTACT SHOTS, FRAGMADNIATION, SPICES, PRIXS, KNIVES OR OTHER SHARP CELLEDTS.

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on our Body Armor warranty visit www.safariland.com. do. That's why we work hard to produce the highest quality protective systems for the law enforcement community. For additional information ank you for choosing Safariland". We know you have a tough job to

or your records ase complete the following information and retain this certificate

)ATE ISSUED

13386 INTERNATIONAL PARKWAY - JACKSONVILLE, FLORIDA 32218

(800) 347-1200 · safariland.com

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0609-10k-1

Body Armor

EXPRESS LIMITED WARRANTY FOR CUSTOM-FIT BODY ARMOR SYSTEMS

Subject to the Dual finations and Limitations contained herein, by Safariland*, CLC (the "Company") wastants that

- Ξ the body amon systemist sold in connect on herewith shall nest the Balkstx. Performance Specifications set forth below for a period of sixty (BU) mornins after the date of issue;
- 3 the belistic panel portents) of the body arrant systemis) sold in connection herewith shall be free from defects in material and warkmenship for a period of sixty (BD) numbs after the date of issue; and
- the outer shell carrier partion(s) of the body arriver system(s) sold in connection herewith shall be free from detects in material workmanship for a period of twelver [12] mentils after the date of issue.

A. QUALIFICATIONS

Each hudy arm system sold by the Company, as an Integrated and use ton-I system consisting of an *user stell* trainer and in Julie Salests, panels, frind y ammy system sloves y sould be oventh accordinate with the Ber and Darc Hattuckes contained in the postable Lisc and Came Manual accompanying user's body armer system sold by the Company.

The commit does not apply if the Company's escalaisation informations that the body anneal system has been subjected to misuse, where some nodes, the ended of the committee of

And body enter extent that has been beauty own for example, indebtable steam, and writers through the belief, preset den linds in the outs and error, the outside selection is despit termed and extend particular is that spay, Shall, be perfected to be ABLISED and JUTICHATICALLY VOIDS THIS WARRAMY IN ALL RESPECTS, INCLUDING BUT NOT HAVIED TO VOIDING ANY BALLISTIC PREPRIANALET WARRAMY.

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This werranty applies only to the original wearen for whom the body armon system was sined by an authorized dealer, and is not transferable under any circumstances. Wearers should nover allow any other person to wear their body amon system.

B. LIMITATIONS

This wereart is the date addition examine in the Company editing is its body among astemic), it bell not be mininged by any increase and consideration council definition, had been as consideration and the state of

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NITWITHERADUMA ANY COMPANY PROVISION, NI NO ENENT SANAL THE TOTAL LABILITY OF THE COMPANY TITOSTHER WITH THE LUBILITY DE TRES HEFFER DHISCOPES, BANGOYEES, AND KAENIS EXCESO THE PLACOLACTE PACE ACTUALLY PAID TOR THE BODY ARMOIN SYSTEM THAT DAYS ASSE TO SYCH LABILITY.

The foregoing disclaimers are subject to any applicable laws that regulate product warranties.

C. BALLISTIC PERFORMANCE SPECIFICATIONS

LISW EDDY ABUNCE SYSTEKS, Each body amar system add in connection frenom has ten profit "silly re-Commy to med tex National Heitiner of Medices (S. M.M. Heen Representation for definition from the Medices (M.M.S. Burm abunded) at the more table for the Mult pread their despirated on the body amar system label. This certification by the Company a only valid as of the time of site, and is not replaced to any reset body amar system.

(ISSP)00TV440X6XSVETAKS, hode is bestande imparate the ballets performance of send body armon systems, the Company voluntarity implementarity (1995-04) treating program, in comprisely in with Discount of Company will regulately combat the following lest protocols with respect to used body armon systemics) and in connection therewise.

- If First, the Common uses a discussion VSI testing procedure, the collection can be common performance in the VSI testing is provided in accordance of the VLIDI INTERCENTANCE COLD by supplemented the safe USI count Stateship and Alderium 9) for the VIII threat level treagated on the Color James or Specia, but also the same the procedure of the limit Cystelline Copyring to for the common collection of the Color ANG level the disc subject to it gives INI instrument vertically the disc securities of the +30 first is considered by the Compton in the low a unsatisfactory visited by the Compton in the securities of the Compton in the contract in the Common con
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Those Ballistic Performance Specifications are limited to only those threats specifically identified in the NLI 65 from Standards for the NLI threat based dosignated on the body enring system label, and denot inductionly special or other threats.

D. LIMSTED REMEDIES

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UMITED AUPACT PROTECTION. The Octopeny's bullet tasis lant vests are intended to reduce or provent injuries from specific threats. Body arms to not buildiproof and cannot protect against all threats. Inspect forces can resout an serious injury or death,

TH\$S BULLET RESISTANT VEST CAM NUT PROTECT AGAINST ALL TILIPENTS. The visiator of this bullet resistant west is expressly informed that wealthy auch a wast disast out release the wealth from undertaking appropriate self-protection measures when his situation posing a threat,

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THE COMPANY'S REMOVABLE OUTER SHELL CARRIER DOES NOT PROVICE ANY BALLISTIC PROTECTION. Wearing the natur shall carrie WITHOUT the ballistic panels, provides NO ballistic particulars!

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A BULLET RESISTANT VEST WORKS BY DISSIPATING ELERGY ACROSS THE REERS OF THE VEST. Should fin was the stuck by a breat close to an edge, the wasts rickly to dissipate the energy may be negatively mysiciand. Such an error may result in the wast not being public reference. The times:

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UMLESS FLEBULLET RESISTANT VEST MODEL SPECIFICALLY STATES OF PERMISE, THIS PRODUCT IS NOT WARRANTED TO DEFIAT CONTACT SHOTS, FRADMENTATION, SYMES, PICKS, KNIVES OR OTHER SHAFF OBJECTS.

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STANDARD-SIZE BODY ARMOR SYSTEMS EXPRESS LIMITED WARRANTY FOR

- the body arms systemist sold in connection herewith shall meet the Bellistic Performance Specifications set forth below for a period of stay (BI) months after the date of issue,
- the ballistic panul portion(s) of the body armor system(s) subt in econocition herewith shell be free from defects in materiel and workmaniship for a period of stoly (BD) months after the date of testies and
- the outer shell carrier partimits) of the hody armor systemts sould in composition horewith shell be free from defects in material and workmanship for a profed of twelve (12) months offer the date of issue.

A. QUALIFICATIONS

Each lody army system ("est.) joid by the Company is an integrated seaton consisting of an order stell carrier and multiple ballistic panels, which are self in aspectations with the Stellor part of the stellor beam is a constrained to voran in a constraint with the Stellor part of seatons about the Stellor part of seatons about 50 miles of the constraint of the applicable bits and Care Manual accompanying only how yearn a system sold by the Company.

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This warranty applies only to the original wearer of the bady armor system, and is not transferable under any circumstances. Wearons should never allow any other person to wear their body armor system.

B. LIMITATIONS

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OUVINTESTADINE ANY CONTRARY PROVISOR IN NO FORM SHALL THE TOTAL LABIETY OF THE COMPANY (TOGETHER WITH THE JOHEN POUTS HETALES (DIECTORS, EMPOYEES, AND AGENTS) EXCELD THE PUNCHASE PRICE ACTUALLY PAUD FOR THE BODY ARMON SYSTEM THAT BRICS NOSE TO SUCH LIMBERT.

The frægning risclainers are subject to any applicable laws that regulate product warranties

C. BALLISTIC PERFORMANCE SPECIFICATIONS

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ISSE 1001/ARQDESTEAS and a last and measure the ballists performance of coad loady amout systems, the Company violentarial implemented its VeoChaet Testing program in consection with insplanced, the Company will explainly contact the Solowing loss procreams with respect to osciol bing semma visit entire life to comerctains researche.

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- In the unlikely event of the need for remelled action under postgraph (3 above, the Company with conject a detailed review of all less data and support of the control of t

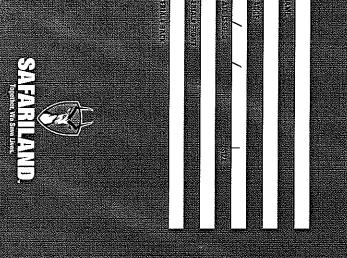
NIJ 04/05 WARRANTY

ADDITIONAL WARNINGS:

- This ballistic-resistant Vest is intended to reduce or prevent injuries from specific threats. Body armor is not "bulletproof," and cannot protect against all threats. Impact forces also can result in serious injury or death.
- Ballistic panels offer protection to only those areas that they cover. Strenuous movements or physical altercations may cause ballistic panels to shift on the user's body, thus affecting actual coverage. Vests that fit improperly (e.g., too long or too wide in the chest area) can develop set wrinkles in the ballistic fabric. Substantial weight gain or loss, or changes in body shape or contour, can also cause previously protected areas to become exposed. If the user has experienced a substantial weight gain or loss, he or she should immediately take their Vest to an authorized dealer for an inspection.
- Ballistic panels are designed to defeat certain threats only if properly inserted into the outer carrier facing in the correct direction. The label affixed to the panel indicates which side is the "strike side" meaning the side that must face outward. The user MUST ensure that the ballistic panels are properly inserted into the carrier in the proper direction. Failure to follow these instructions can result in serious injury or death.
- Vests work by dissipating kinetic energy across the fibers of a ballistic panel—should the Vest be struck by a threat close to an edge, its ability to dissipate the energy may be negatively impacted.
- The greater the angle at which a round strikes the Vest (opposite of a "head on" shot), the greater the possibility the round may ricochet or slide off the side of the Vest.
- Multiple rounds striking in a tight shot pattern may weaken that area of the Vest and result in a complete penetration.
- Unless specifically stated otherwise on the Vest's label, it is not warranted to defeat spikes, picks, knives or other sharp objects.

Thank you for choosing Safariland". We know you have a tough job to do. That's why we work hard to produce the highest-quality protective systems for the law enforcement community. For more information on our Body Armor warranty, visit www.safariland.com.

Please complete the following information and retain this certificate for your records:



©2009 Safari

EUR GELEKTERNATIONAL PARKVAN DAKKSONNILLE KLINDIN 3251



NIJ 06 WARRANTY Body Armor

EXPRESS LIMITED WARRANTY FOR SAFARILAND" FLEXIBLE BODY ARMOR VESTS CERTIFIED UNDER NIJ-0101.06

- Safariland warrants that its "NIJ-06" flexible body armor vests ("Vests") have been certified to comply-with the National Institute of Justice's ("NIJ") Ballistic Resistance of Body Armor, NIJ Standard-0101.06 (July 2008), for the applicable NIJ threat level designated on each Vest's label. For multi-threat (i.e., bellistic and stab resistant) Vests, Safariland also warrants that the Vests have been certified to comply with the NIJ's Stab Resistance of Personal Body Armor, NIJ Standard-0115.00 (September 2009), for the applicable NIJ spike threat level designated on each Vest's label.
- 2. For a period of sixty (60) months after the date of issue, Safariland warrants that the ballistic panels of its Vests shall be free from defects in material and workmanship and shall comply with Safariland's VestChack" used vest testing protocols for ballistic performance (as set forth on www.safariland.com). Vests should not be worn or used after the expiration of this warranty period (i.e., "useful life" period).
- For a period of twelve (12) months after the date of issue, Safariland warrants that the outer carriers of its Vests shall be free from defects in material and workmanship.
- 4. Vests shall be always worn in accordance with Safariland's Use & Care instructions contained in the applicable User Manual included with each Vest. The above warranties do not apply to any Vest that has been subjected to misuse, abuse, accident, neglect, unauthorized alteration, breakage, interruption, damage, improper storage or handling, or unauthorized repair or service.
- 5. The above warranties are the sole and exclusive warranties made by Safariland with respect to its Vests. They shall not be enlarged by any representations, descriptions, course of dealing, trade usage, technical advice, service, samples, models, or otherwise, nor shall they be altered or expended by any acts, statements, or agreements of any dealer, employee, or agent of Safariland (other than by a duly authorized officer of Safariland), SAFARILAND MAKES NO OTHER WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.
- 6. In the event that Safarland determines that a Vest (or component) is defective during an applicable warranty period, Safarland agrees to (at its election) replace, repair, or issue a pro-rated purchase price credit for such product. All returns shall be made to Safariland's factory and must include (1) proof of issue/purchase, and (2) documentation specifying the claimed defect and all relevant supporting information. A Return Authorization Number (RA) must be obtained from Safarliand prior to returning the product.

7. IN NO EVENT SHALL SAFARILAND BE LIABLE FOR ANY PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES, ANTICIPATED OR LOST PROFITS, INCIDENTAL DAMAGES, LOSS OF TIME, OR OTHER INDIRECT LOSSES OR EXPENSES THAT ARISE FROM ANY CAUSE RELATING TO ITS VESTS, REGARDLESS OF THE FORM OF THE ACTION, WHETHER IN TORT (INCLUDING NEGLIGENCE), CONTRACT, STRICT LIABILITY OR OTHERWISE, AND REGARDLESS OF WHETHER THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH CONSEQUENTIAL DAMAGES, NOTWITHSTANDING ANY CONTRARY PROVISION, IN NO EVENT SHALL THE TOTAL LIABILITY OF SAFARILAND (TOGETHER WITH THE LIABILITY OF ITS OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS) EXCEED THE PURCHASE PRICE ACTUALLY PAID FOR THE VEST THAT GIVES RISE TO SUCH LIABILITY. The foregoing disclaimers are subject to any applicable laws that regulate product warranties.

SAFARILAND'S VESTCHECK" PERFORATION TESTING PROGRAM FOR USED BODY ARMOR VESTS

In order to evaluate the on-going ballistic performance of its flexible body armor vests ("Vests"), Safariland regularly conducts perforation testing of its Used Vests across a broad spectrum of models, ages, and wear categories.

Safariland tests its Used Vests in dry condition for perforations in accordance with the P-BFS test protocols as specified in NIJ Standard-0101.06, Section 7.8, at the Conditioned Armor Test Velocities (set forth in NIJ Standard-0101.06, Table 4) for the test rounds specified for the applicable NIJ threat level as indicated on the Vest's label. The test will be deemed satisfactory so long as there are no perforations of the ballistic panels.

A Used Vest is not required or expected to meet any backface signature thresholds. Backface signatures of the ballistic panels may be measured and recorded by Safariland in the conduct of its perforation testing, but such data shall be considered informational only and shall not be considered for purposes of determining whether the Used Vest passes the perforation test.

In the unlikely event of an unsatisfactory perforation test result, Sefariland shall conduct a detailed review of all applicable test data and conditions, and shall implement such follow-on test protocols as may be needed to determine the scope of any potential ballistic performance issue(s) and causational factor(s) (e.g., test sample condition, environmental factors, workmanship, materials, lot consistency, model design).

Implementation of the VestCheck Perforation Testing Program as regarding the ballistic performance of any Used Vest shall be determined exclusively by Safariland. Ballistic performance or other tests performed by a buyer, user, government agency, laboratory, or any other party not expressly authorized by Safariland shall not be valid for purposes of any warranty or other representations made by Safariland.

USE AND CARE WARNINGS

This flexible body armor vest ("Vest") is an integrated system consisting of an outer carrier and front and back torso ballistic panels.

FAILURE TO CLOSELY FOLLOW THESE USE & CARE INSTRUCTIONS WILL VOID ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY BALLISTIC PERFORMANCE WARRANTY, AND COULD LEAD TO SERIOUS INJURY OR DEATH.

WARRANTY, AND COULD LEAD TO SERIOUS INJURY OR DEATH.

DO NOT ABUSE YOUR VEST! If this Vest is heavily worn (e.g., wrinkles or rolls in the ballistic panels, open breaks in the outer carrier, heavy stains, worn threads, visible moisture, cracked seams, cover splits), regardless of its age, it shall be deemed to be abused and no longer subject to any warranties.

INSPECT YOUR VEST FREQUENTLY! Should the ballistic panel package (including without limitation any edge seal of a ballistic panel, where applicable) be broken, interrupted, cracked or demaged in any way, the Vest should immediately be taken to an authorized dealer for an inspection. Ballistic panels that are broken, interrupted, cracked or damaged may negatively impact the Vest's ballistic performance and may need to be repaired or replaced!

STORE YOUR VEST CAREFULLY! The resistance and performance of ballistic panels are known to change with time and wear, especially when exposed to extreme environmental conditions. This Vest should not be stored in places where it is exposed to high temperatures and/or in combination with high humidity for long periods of time. Exposure to such extreme environmental conditions may negatively impact the Vest's ballistic performance.

APPLICABLE TO CUSTOM-FIT VESTS: Only the original user who was custom-fit by an authorized dealer under Safariland's SizeRight[™] program should wear this by an authorized dealer under Safariland's SizeRight[™] program should wear this vest. Users should never allow any other person to wear his or her custom-fit Vest without it first being re-sized for the new user by an authorized dealer.

OTHER EXAMPLES OF IMPROPER USE: Replacing the ballistic panels with those from another manufacturer; placing Safariland's ballistic panels into an unauthorized outer carrier; wearing the outer carrier without inserting the ballistic panels; or inserting the ballistic panels into the outer carrier in the wrong direction. Contact Safariland's Customer Service Department if you have any questions about authorized configurations.

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
	Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
	Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
requirer against	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authoriz	nission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and es the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid lired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.
and acc	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate is during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder:	WV Uniforms Signed:
Date: <u>€</u>	06-25-2010 Title: Manager
*Check ai	ny combination of preference consideration(s) indicated above, which you are entitled to receive.

REQ NO. DPS 1042

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE
Vendor's Name: West VIRSINIE UNIFORMS
Authorized Signature: Date: 6/25/10
State of West Virginia
County of Kanawha, to-wit:
Taken, subscribed, and sworn to before me this 25day of 5vac, 2010
Taken, subscribed, and sworm to bolist me une
My Commission expires <u>Feb. 5</u> , 2017.
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