

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

Request for Quotation

DPS1237

PAGE

APR 0 9 2012

TARA LYLE
304-558-2544

*810125207 276-647-4161 TOWN POLICE SUPPLY PO BOX 417 3985 VIRGINIA AVE COLLINSVILLE VA 24078

WEST VIRGINIA STATE POLICE

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GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- 5. Payment may only be made after the delivery and acceptance of goods or services.
- 6. Interest may be paid for late payment in accordance with the West Virginia Code.
- 7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
- 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- **12. BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available offline at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.
- 15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
- 16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

- Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
- 2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
- 5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



*810125207

PO BOX 417

TOWN POLICE SUPPLY

3985 VIRGINIA AVE

COLLINSVILLE VA 24078

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

276-647-4161

Request for

DPS1237

ADDRESS CORRESPONDENCE TO ATTENTION OF

TARA LYLE 304-558-2544

WEST VIRGINIA STATE POLICE

SHIP 4124 KANAWHA TURNPIKE SOUTH CHARLESTON, WV 25309 304-746-2141

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SOUTH CHARLESTON, WV
25309
304-746-2141

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WEST VIRGINIA STATE POLICE

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS 04/05/2012 BID OPENING DATE: 05/03/2012 BID OPENING TIME 01:30PM CAT. QUANTITY LINE UOP ITEM NUMBER UNIT PRICE AMOUNT THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION. EXHIBIT 4 LOCAL GOVERNMENT BODIES: UNLESS THE WENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEN TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER. REV. 3/88 THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS. PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHIC SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE DATE TITLE FEIN ADDRESS CHANGES TO BE NOTED ABOVE



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DPS1237

Request for Quotation for an Open-End Contract Tactical Bullet Proof Vest Specifications

The following are the minimum acceptable requirements for the safety bullet proof vests:

- Carrier must have exterior made of 1,000 Denier Cordura, or equal material
- Carrier must have internal cummerbund system with adjustable side and shoulder closures
- Carrier must include officer rescue strap and modular webbing attachment system (MOLLE)
- Carrier must include a detachable dual weapon retention system, located in both shoulder areas of the front of the carrier, that adjusts in vertical and horizontal directions
- Carrier must include a minimum 12" x 8.5" external top loading auxiliary pouch
- Carrier must include a dual radio wire channel, which allows for the mounting of a radio on the rear portion of the carrier and feeding of the microphone handset wire through a hidden channel to the front of the carrier
- Carrier must include two detachable shoulder mounted D-Rings
- Carrier must include a dual external top loading plate pocket (Front and Rear), which allows for the insertion of a minimum 8" x 10" or 10" x 12" special threat plates from an external, top loading orientation
- Carrier must include a detachable pull down groin protection
- Carrier must include a detachable Spacer-Mesh™ Padding System, or equal, to allow for greater airflow and cushioning
- All ballistic panels in the vest and components must be the exact same construction
- Ballistic panel must be no more than 1.15 lbs/sqft
- Ballistic panel must be manufactured using patented CORE Matrix Technology, or equal material from Twaron, or equal
- Ballistic panel must have a "certified" trauma of no more than 27.58mm for the .357 Sig NIJ test round
- Ballistic panel must be secured in the panel covering using the patented Grip-Lok, or equal system
- Ballistic panel must be tested in the C1-C5 template sizes
- No company that has had a vest previously listed on the NIJ CPL Advisory List for Non-Compliance or any kind of Safety Advisory will be considered
- Ballistic panel must have tested for and met both the DEA and DHS protocols
- Ballistic panel must have been demonstrated to stop one round of the FN 5.7x28 SS195 Hollow Point with a velocity of 2079 fps with a trauma of no more than 15mm
- Ballistic panel must have been demonstrated to stop one round of the S&W 500 MAG Hornady XTP with a velocity of 1223 fps with a trauma of no more than 32mm
- Ballistic panel must have a v50 for the .357 SIG no less than 1909 fps
- Ballistic panel must not have a decrease in v50 for the .357 SIG greater than 4.8% from when the panel is tested in the "new" to "conditioned" state
- Ballistic panel must not have a decrease in v50 for the .44 MAG greater than 5% from

- when the panel is tested in the "new" to "conditioned" state
- The hard armor plates must be made by the same manufacturer as the ballistic vest. With no buy/sell from other manufacturers
- The hard armor plates must be tested and compliant under the NIJ 0101.06 standard for Level III Stand-Alone armor
- The hard armor plate must be manufactured in a "shooters" cut, to allow for an operator to fully extend/lock out arms in a shooting stance
- The hard armor plate must be made with a multi-curve shape
- The hard armor plate must be made out of 100% polyethylene material, with a weight of 3.1-3.3 lbs.
- The hard armor plate must be independently tested for six (6) impacts of the 7.62x39mm 123 grain Mild Steel Core round

Delivery:

Vendors shall delivery to the WV State Police located 4124 Kanawha Turnpike South Charleston, WV 25309. Delivery charges should be included in the bid.

Miscellaneous:

If providing a quote for an equal product, Vendors should include pertinent product information for the product(s) with the bid.

Award:

The contract will be awarded to one vendor with the lowest bid meeting all of the specifications with the most complete bid.

	De	escription	Estimated Annual Usage	Unit Price	Extended Price		
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Contract Coordinate	ator Inform	nation:					
Name:		Libby Howell					
Phone#:		1-800-752-5580	1				
Email Address:		libby@townpolice.co	om				
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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.

Rev. 09/08

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.

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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 preced-
	ing 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 the number 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 hund et 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.
require agains	r understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty st such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contracting agency such as a penalty will be paid to the contraction agency and the penalty will be paid to the contraction and the penalty will be paid to the contraction as a penalty will be paid to the contraction and the penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty will be paid to the contraction as a penalty
the red	omission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and izes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid quired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information ed by the Tax Commissioner to be confidential.
and a	r penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true ccurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate ges during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidde	r: Signed:
*Check	any combination of preference consideration(s) indicated above, which you are entitled to receive.



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

Request for Quotation

DPS1237

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF

TARA LYLE 304-558-2544

*810125207 276-647-4161
TOWN POLICE SUPPLY
PO BOX 417
3985 VIRGINIA AVE

COLLINSVILLE VA 24078

SH-P TO

WEST VIRGINIA STATE POLICE

4124 KANAWHA TURNPIKE SOUTH CHARLESTON, WV 25309 304-746-2141

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS 04/19/2012 BID OPENING DATE: 05/03/2012 BID OPENING TIME 01:30PM CAT. NO. LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT ADDENDUM NO. 1 QUESTIONS AND ANSWERS ATTACHED. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR FAILURE TO SIGN AND RETURN MAY RESULT IN DIQUALIFICATION OF YOUR BID. ADDENDUM NO. 1 END OF 0001 LS 680-08 1 POLICE PROTECTION EQUIPMENT THIS IS THE END OF REQ ***** DPS1237 ***** TOTAL: SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE DATE 1-800-752-5580 May 2 2012 TITLE LE SALES FEIN ADDRESS CHANGES TO BE NOTED ABOVE 54-1273247

<u>DPS1237</u> ADDENDUM NO. 1

- Q1: Are they requesting 2 plates per vest or just 1 plate per vest?
- A1: The WVSP requires and will purchase one (1) plate, but wishes front and rear plate pouches for the option to move the plates from front to rear.
- Q2: I would like to bid on this current contract however we manufacturer soft armor but would have to buy the plates from our plate vendor. Is this not exceptable? It states that you may not do this. Is this a typo? Do we have to be the manufacturer of the plates as well?
- A2: Vendors purchasing plates from a plate manufacturer, which in turn becomes a part of the manufacturing and assembly process is acceptable, and so long as the warranty and all liability is the responsibility of the successful bidder/contract holder. The plates must also meet the minimum requirements contained in the specifications.

CLARIFICATION:

C1: Please add the following to the specifications:

Vest attachments

a) Shoulder protection

Ballistic shoulder protection is required at the same ballistic protection as the entire vest

b) 6" x 10 ballistic side protection

Ballistic 6"X10" side protection required at the same ballistic protection as the entire vest

c) Upper arm (bicep protection

Ballistic upper arm / bi-cep protections is required at the same ballistic protection as the entire vest

d) Equipment pouches

6 assorted size equipment pouches are required

e) Id's for vest and upper arm protection

2" "Police" Id's are required

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REQUISITION	NO	•										
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ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

	€:
NO. 1	
NO. 2	
NO. 3	J
NO. 4	
NO. 5	5

ADDENDUM NO.'S:

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

SIGNATURE

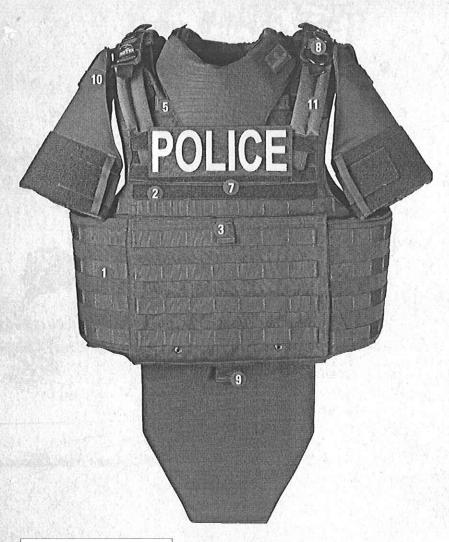
Town Colla Supply

COMPANY

5-2-2012

DATE

REV. 11/96



OPTIONAL FEATURES

- Detachable internal ballistic yoke system (shoulder, neck and throat)
- Detachable ballistic shoulder inserts
- Detachable ballistic throat
- Detachable ballistic collar
- Detachable ballistic upper arm (blceps) protection
- Detachable 6" x 10" side ballistic panels
- Detachable Spacer-Mesh™ frame inserts for increased comfort and enhanced airflow
- Detachable enhanced, diamond-shaped groin protection
- Detachable A-PEC Side Chest Protection inserts for enhanced pectoral protection and a more comfortable fit
- Type III & IV rifle threat plates for upgraded protection (10" x 12", 8" x 10" and 6" x 6" mini-side plates)
- Full line of MOLLE tactical pouches for all missions and vest configurations
- Sheriff and Police detachable ID patches

BALLISTIC PACKAGES

PROTECH offers a selection of ballistic packages to compliment the Titan. Choose between the BR01, Type IIIA, one of our most robust performance packages or the SM01 Type IIIA for optimum performance and flexibility.

Model Name	NIJ Standard	NIJ Model#	NIJ Classification	Areal Density	Thinness	V50 (.357 Sig)	V50 (.44 Mag)	Armor Materials	Annor Constructions	Panel Covering
PROTECH SM01	0101.06 Compliant	BA-3A00\$-SM01	Type IIIA	1.15	0.352	1909	1716	Core Matrix Technology* felted aramids, Gold Shield* unid rectional aramid shields	Perimeter stitching	2 ply, 70 Denier Textured Nylon Biockade with TPU lamination system
PROTECH BRO1	0101.06 Compliant	BA-3A00S-BR01	Type IIIA	1,12	0.331	1789	1687	Iwaron* Microlaminate woven aramids, Gold Shield* unid rectional aramid shields	Advanced Perimeter and X stitching, horizontal and vertical guardinaria.	2 ply, 70 Denier Textured Nylon Blockade with TPU lamination system
	pecial Threa	t Testing Laboratory)		W	n .40 S&W 1	65 Gr JHP "T"	Series: Feder	al 9mm Luger 100 Gr Close Qu	nm x 25mm 85 Gr Tokarev Rom erter Training (COT) Frangible; 6 Gr RCC Fragmentation Testing	

Federal .40 S&W Tactical Bonded 155 Gr Tactical HP, 2 Gr RCC, 4 Gr RCC, 16 Gr RCC Fragmentation Testing. **DEA Protocol Testing**

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STANDARD FEATURES

- 1 360° 1 inch web attachment platform
- 2 External front and back, dual 8" X 10" and 10" X 12" plate pockets
- 3 External, top-loading 12" x 8.5" auxiliary (dump) pouch to provide storage and easy access to mission specific equipment
- Hidden, integrated dual wire channel to secure wires
- 5 Built-in mic tabs
- 6 Reinforced, heavy-duty rescue strap
- Front and back Velcro® ID attachment platforms
- 8 Removable shoulder-mounted D-rings for weapon sling
- Pull-down groin attachment system for standard ballistic groin
- Upper arm (biceps) protection attachment'system
- 11 Adjustable, dual weapon retention pads
- Integrated Grip-Lok™ Suspension System to secure NU Type IIIA ballistic panels
- Adjustable, internal cummerbund controls front and back platform during tactical maneuvers
- Adjustable side closure system which accepts optional 6" x 10" side ballistic panels and allows for the insertion of 6" x 6" mini-side plates
- Rugged 1,000-denier Cordura[©] exterior material for long-lasting wear
- Comfortable, diamond Ripstop nylon interior carrier material with
- Available Colors: Black, Tactical Green, Digital Woodland, Navy, Ranger Green, Khaki, MultiCam, Digital Urban Camo, ACU and A-TACS*









Titan Assault Enhanced

Р6-Оххх-хххх-Ахх

1.	Ballistic Panels					
	Soft Armor Panels:					
	SM01 (P6-OSM3-xxxx-Axx) NIJ 0101.06 Type II	IA certified				
	BR01 (P6-OBR3-xxxx-Axx) NIJ 0101.06 Type IIII	A certified				
11.	Garment Material / Color:					
	Garment Material:					
	1,000-Denier Cordura (Y)	Nomex (X) Aval. colors K,G,B				
	Color:	Company of the National Company				
	□ Black (K)	☐ Navy (B)	Universal Camo (S)			
	Tactical Green (G)	☐ Digital Woodland Camo (3)	☐ ATAC-S® (A)			
	Ranger Green (E)	☐ Digital Urban Camo (4)				
	☐ Khaki (H)	☐ MultiCam (6)				
Ш	Shoulder, Collar, Throat Protection					
	Yoke: Includes: Shoulder, Collar, and Throat Protect	tion (detachable)				
	Yoke - Carrier Size SM-LG (P6-A-TTNYOKE-					
	☐ Yoke - Carrier Size 1X-5X (P6-A-TTNYOKE-1	레톡링 등에 살림을 들어 다양하는 그 사람들은 경기를 하는 그 방에서 가는 사람이 되는 바람들이 되는 그라니다.				
	Individual Component(s): (removable/detache					
	marrada componençoja (removasie) academ	vote; Notregalically role option is selected	☐ Throat Protection			
	Shoulder Protection	☐ Neck Protection (Collar)	**Must have collar to attach**			
	(P6-P-TTNSHLDR-xxx)	(P6-A-ENHCOL-xxx-xx-xx)	(P6-A-ENHTHRT-xxx-xx)			
IV.	Additional Options/Accessories					
	A-PEC Side Protection: (removable)	Groin: (detachable)				
	6" x 10" A-PEC Side Ballistic Panels	Standard Pull Down Groin	☐ Enhanced Groin			
	(P6-P-ENHCMRBN-6X10-xxx)	(P6-A-GRN-xxx-xx)	(P6-A-ENHGRN-xxx-xx)			
	Side Chest Protection: (detachable)	Upper Arm Protection: (detachable)	Spacer-Mesh™ Inserts: (detachable)			
	A-PEC Side Chest Protection	Upper Arm (Bicep) Protection	☐ Spacer-Mesh™ Inserts			
	(P6-A-PRO-INSERT-xxx-xx)	(P6-A-BCP-xxx-xx)	(non ballistic) (P-SPCR-xxxxx TTN)			
V.	ID Patches					
	ID patches:					
	2" x 6" Small "Police/Sheriff" (I-xxxAS3-xx	xx)				
	3" x 8.5" Large "Police/Sheriff" (I-xxxAL4-	xxxx)				
	4" x 11" Large "Police/Sheriff" (I-xxxAL2->					
	☐ Custom	경우 경기를 하는 그렇게 그렇게 하네?				
	Please describe	2011 A 51 3 54 BAS				
VI.	Ballistic Plates					
	Hard Armor Plates:	NIJ 0101.06 TypellI/IV	Carrier Size Example: (P6-Oxxx-XSRRR-Axx)			
	NIJ 0101.06 Type III	☐ 2220-1 (10" x 12")	Size Girth Front Length Rear Length			
	2113MC-3 (10" x 12")	NIJ 0101.06 TypellI/IV	XS R R R R SM L			
	2120-5 (10" x 12")	☐ ICW BR01 (10" x 12")	MM X X			
	Non Certified	NIJ 0101.04 / 2005 IR Type IV	LG Y Y			
	2113MC (6" x 6")	PSA-4C-9812-1 (10" x 12")	1X Z Z			
	2120 (6" x 6")	2115G (10" x 12")	3X			
	2220 (6" × 6")	2113G (10 × 12)	4X 5X Size:			
	☐ 2220 (0 X 0)	□ 51100 (8 x 10)	Size:			



Titan[™] Assault Enhanced Tactical Carrier Bid Specification

1. Scope:

The scope of this product specification provides information relating to the PROTECH[®] Titan [™] Assault Enhanced Tactical Carrier manufactured by Safariland [™].

2. Research, Development, and Manufacturing:

The manufacturer (Safariland[™]) of the armor model, as listed on the NIJ's Compliant Product List (CPL), solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of armor models listed on the CPL that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

3. Carrier Design (Ballistic Coverage Capability):

The PROTECH[®] Titan[™] Assault Enhanced, in a large/regular size, offers the wearer 577.56 in² (total area) of front and back ballistic panel coverage. The ballistic panel coverage (total area) stated does not reflect larger or smaller carrier sizes and/or optional accessories. For individual optional accessory ballistic coverage total area, please refer to section five (5) of this specification.

4. Carrier Design (Functionality):

The PROTECH[®] Titan[™] Assault Enhanced has the following design features related to the functionality:

Feature(s)	Definition(s)	Benefit(s)
Internal Panel Insertion System	An internal panel insertion system that includes a horizontal Velcro® hook and loop attachment system that allows for the insertion of the armor panels from the interior of the carrier.	Provides the ability to insert / remove armor panels quickly and easily and also enables the cleaning of the carrier and armor panels separately as necessary
Grip-Lok™ Integrated Suspension System	An internal suspension system that suspends the armor panel from the shoulder areas through the use of Velcro® hook and loop tabs and integrates the armor panel, panel cover and carrier as one system.	Provides the ability to suspend the armor panels, within the carrier, to eliminate sagging and decrease the forming of set-wrinkles and bunching of the armor panels.
Dual Weapon Retention System (Detachable)	A detachable weapon retention system located in both shoulder areas of the front of the carrier allows the capability to adjust in vertical and horizontal directions.	Provides that ability to align the weapon retention system according to individual shooting positions, and retain the butt of a rifle or shotgun in all types of weather.
Modular Webbing Attachment System	A sewn on 1-inch modular webbing attachment system that covers a majority of the front and rear portions of the carrier, to include 360° circumference of the lower torso.	Provides the ability to attach a fully customizable assortment of PROTECH® Tactical TP pouches and accessories
Tactical Pouch Selection (Detachable)	A full selection of tactical pouches for most types of ammunition magazines, less lethal munitions, and miscellaneous accessories as an optional accessory.	Provides a secure means of carrying a full array of mission essential equipment and accessories, along with the ability to balance the total load across the entire tactical carrier

4. Carrier Design (Functionality) - continued:

Feature(s)	Definition(s)	Benefit(s)
External Top Loading Auxiliary Pouch	A 12" x 8.5" fixed external auxiliary pouch available on the lower torso of the front carrier	Provides the capability of holding a wide variety of mission specific equipment/accessories and are easily accessible when needed
Officer Extraction Rescue Strap	A reinforced rescue strap located in the upper back area of the rear of the carrier	Provides the ability to extract a down officer from a hostile fire environment
Radio Wire Channel	A radio wire channel allows for the mounting of a radio on the rear portion of the carrier and feeding of the microphone handset wire through a hidden channel to the front of the carrier.	Prevents the microphone handset wire from being hung-up or snagged during urban or woodland operations
Radio Microphone Tabs	A radio microphone tab available on both the right and left shoulder area of the front of the carrier that is capable of holding a wide variety of microphone handsets.	Provides the ambidextrous mounting of the microphone handset on the front of the tactical carrier within close proximity of the ears for increased communication
Identity Attachment Area (Modular Webbing Attachment w/ Velcro [®] Loop)	A platform on the front and back carrier for the attachment of four-inch wide identities with one-inch interlacing strips and Velcro® loop material.	Provides the flexibility of using the identity attachment area for either identities or tactical pouches
Shoulder Mounted D-Rings (Detachable)	A pair of D-rings available on both the right and left shoulder area of the front of the carrier that is capable of holding a wide variety of accessories.	Provides the ambidextrous mounting of various accessories, to include weapon slings, flashlights, etc.
Colors and Camouflage Patterns	Available in the following colors and camouflage patterns: Black, Navy, Khaki, Tactical Green, Ranger Green, Digital Universal Camo (Army Combat Uniform), Digital Urban Camo, Digital Woodland, Digital Day Desert, Multi-Cam, and A-TACS®	Provides the ability to choose between a wide variety of colors and camouflage patterns for concealment within urban and open terrain environments

5. Carrier Design (Upgradability):

The PROTECH[®] Titan[™] Assault Enhanced has the following design features related to the upgradability:

Feature(s)	Definition(s)	Benefit(s)
Dual External Top Loading Plate Pocket (Front and Rear)	A dual plate pocket in the front and rear of the carrier that allows for the insertion of 8" x 10" or 10" x 12" PROTECH [®] special threat plates from an external, top loading orientation.	Provides the ability to insert a wide variety of special threat plates that upgrades the level of protection over the center torso area of the body
Combination Auxiliary Side Panel and Side Special Threat Plate Pocket (Both Sides)	A combination auxiliary side panel and side special threat plate pocket incorporated into the adjustable side closure system that allows for the insertion of 6" x 10" auxiliary side panel protection, and 5" x 8" or 7" x 9" special threat plates, or 6" x 6" PROTECH® mini-side special threat plates.	Provides the ability to insert a wide variety of special threat plates that upgrades the level of protection over the lower sides of the body
Auxiliary Side Panel Protection (Removable)	A pair of 6" x 10" auxiliary side panels, made from the same armor model design used throughout the tactical vest, inserted into the combination auxiliary side panel and side special threat plate pocket as an optional accessory	Provides the ability to utilize the tactical vest across a wide array of girth circumferences without losing side coverage and protection – In addition, assures side coverage during use with heavy under garments in cold weather climates.
Shoulder-Neck-Throat Protection (Internal Yoke)	A detachable yoke system that offers162.61 in² of ballistic coverage and attaches to the internal portion of the carrier through a Velcro® hook and loop attachment system and provides protection to the shoulders, neck, and throat areas as an optional accessory	Provides protection of the shoulder, neck, and throat areas of the body

5. Carrier Design (Upgradability) - continued:

Feature(s)	Definition(s)	Benefit(s)
Integrated Shoulder Protection (Removable)	A set of four soft armor panels, made from the same armor model design used throughout the tactical vest, inserted into the shoulder areas of the front and back portions of the carrier and offer 71.2 in ² of ballistic coverage as an optional accessory	Provides protection of the upper shoulder areas of the body
Neck Protection (Detachable)	A detachable neck protection with a scooped collar that offers 38.94 in² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the neck area of the body
Throat Protection (Detachable)	A detachable throat protection that offers 42.39 in² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the throat area of the body
A-PEC Side Chest Protection (Detachable)	A pair of detachable side chest protection that offers 89.61 in² of ballistic coverage (each side) and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection to the side pectoral area of the body
Upper Arm Protection (Detachable)	A pair of detachable upper arm protection that offers 170.38 in ² of ballistic coverage (each arm) and attaches to the carrier through a Velcro [®] hook and loop attachment system as an optional accessory.	Provides protection of the upper arm areas of the body
Upper Arm Special Threat Plate Pocket	A special threat plate pocket incorporated into the upper arm protection for insertion of 6" x 6" PROTECH® mini-side special threat plates.	Provides the ability to insert special threat plates that upgrades the level of protection over the upper arm areas of the body
Pull Down Groin Protection (Detachable)	A detachable pull down groin protector that offers 91.19 in² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the groin area of the body
Enhanced Groin Protection (Detachable)	A detachable, diamond shaped, enhanced groin protector that offers 147.29 in² of ballistic coverage and attaches to the carrier through a Velcro® hook and loop attachment system as an optional accessory.	Provides protection of the groin and femoral artery areas of the body
Spacer-Mesh™ Padding System (Detachable)	A set of chest, back, and shoulder spacer mesh pads that offer 314.9 in ² of standoff that attach to the internal portion of the carrier as an optional accessory	Provides greater airflow and cushioning to the chest, back and shoulder areas that are susceptible to load carrying fatigue.

6. Carrier Design (Adjustability):

The $\mathsf{PROTECH}^{\otimes}$ $\mathsf{Titan}^{^{\mathsf{TN}}}$ Assault Enhanced has the following design features related to adjustability:

Feature(s)	Definition(s)	Benefit(s)
Adjustable Shoulder Closure System (Combination Velcro [®] Hook & Loop / D-Ring)	An adjustable shoulder closure system that combines a permanent sewn strap to the front of the carrier with Velcro® hook and loop that connects through a D-Ring sewn to the back of the carrier and reattaches to the front of the carrier.	Provides the ability to adjust the shoulders from the front of the carrier, along with the ability to adapt to a wide range of chest circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies.

6. Carrier Design (Adjustability) - continued:

Feature(s)	Definition(s)	Benefit(s)
Adjustable Side Closure System with Double Security System (Combination Modular Webbing / Velcro® H & L)	An adjustable side closure system that effectively utilizes a removable 8" wide cummerbund that secures via modular webbing attachment system to the rear of the carrier and attaches to the front of the carrier through Velcro® hook and loop. In addition, two separate pieces of 1000d Cordura® material with Velcro® hook and loop overlap both the front and rear closure to form a double security system.	Provides the ability to adjust the sides from the front of the carrier, along with the ability to adapt to a wide range of girth circumferences. Allows for complete separation of the front and back portions of the carrier for expedient removable of carrier for emergencies. Creates a redundant security system that prevents accidental separation during all types of situations.
Internal Cummerbund Retention System (Detachable)	An internal cummerbund secures to the rear portion of the carrier by modular webbing attachment system that can be fully adjusted based on the girth circumference of the individual.	Provides the ability to secure the rear portion of the carrier to the body as the front portion of the carrier secures using the adjustable side closure system.

7. Carrier Design (Durability):

The PROTECH[®] Titan[™] Assault Enhanced has the following design features related to durability:

Feature(s)	Definition(s)	Benefit(s)
1,000 Denier Cordura [®] Material	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior of the carrier.	Provides a durable, water resistant material to protect the armor panels and resists the negative effects of exposure to high temperatures and "dryrotting." Maintains color over time and resists discoloring when exposed to abrasion and wear. Serves as a platform for attaching a wide variety of loads through the modular webbing attachment system.
420 Denier Diamond Rip- Stop Nylon Material	A durable, lightweight, comfortable, and reinforced nylon used for the interior of the carrier.	Provides a durable material to protect the armor panels and prevents skin abrasion that allows carrier the ability to stay cool and adjust to body positions in all types of operations. Serves as a platform for attaching removable spacer mesh inserts, upper arm protection, collar and groin protection through Velcro® hook and loop.
Grip / Non-Skid Material	A strong, wear and abrasion resistant material offering grip and non-skid features in both wet and dry conditions.	Provides a durable reinforced area in the shoulder area of the front of the carrier for added flexibility associated with the retention of the butt of a weapon during the shouldering of a sub gun, rifle, or shotgun
High Profile Velcro [®] Hook and Loop	A durable, heavy duty fastening solution, made of woven nylon, that delivers a strong hold and removes easily when needed	Provides a secure means of attaching the tactical carrier's shoulder closure system, side closure system, optional accessories and identities

8. Availability:

Classification(s)	Current Status
Side Opening	Yes
Front Opening	No
Sizes (number of standard sizes)	S – 6XL

9. Support Programs:

Classification(s)	Current Status	
Warranty	12 Months	
Quality Assurance Program(s)	ISO 9001 / Vest Check Program	
Safety Assurance Program(s)	OHSAS 18001	
Environmental Assurance Program(s)	ISO 14001	
Liability Insurance	Information Available Upon Request	

30 March 2011



SM01 (Type IIIA) Bid Specification

1. Scope:

The scope of this product specification provides information relating to the PROTECH[®] SM01 (Type IIIA) Model (NIJ Model # BA-3A00S-SM01) that is compliant with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA classification and manufactured by Safariland[™].

2. Research & Development and Manufacturing:

The manufacturer (Safariland[™]) of the armor model, as listed on the NIJ's Compliant Product List (CPL), solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of armor models listed on the CPL that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	2
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

3. Armor Design (Construction):

The PROTECH® SM01 (Type IIIA) model has the following armor design characteristics:

Feature(s)	Definition(s)	Benefit(s)
Hybrid Technology	The use of multiple types of ballistic, stab, fragmentation and blunt trauma resistant materials in an armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets.
Felted Aramid - Tex Tech Core Matrix Technology [™]	The use of Tex Tech Core Matrix Technology products made from multiple layers of woven Aramid fabrics fused together through a needle felting process to form a three-dimensional core of material.	Provides reduction in blunt trauma, with increased ballistic and fragmentation resistance. Creates a uniformed reinforced structure on a microscopic scale across the entire armor panel with a high degree of flexibility.
Unidirectional Aramid Fiber Gold Shield® - GN-2117	Honeywell's latest addition to the Gold family of soft armor products. Gold Shield® GN-2117 combines Honeywell's patented Shield technology with aramid fiber. Gold Shield® GN-2117 is a ballistic product consisting of two plies of unidirectional aramid fiber, cross-plied at 0°/90°.	Gold Shield® GN-2117 provides strong protection against the NIJ .06 threats and alternate threats. It has excellent fragmentation protection as well as substantial reduction of blunt trauma in a ballistic event. Gold Shield® GN-2117 was designed for increased flexibility and comfort.
Advanced Stitching (Single Perimeter)	The use of a single ballistic stitch pattern along the entire perimeter of the armor panel.	Provides a reinforced area along the perimeter of the armor panel for increased performance during edge shots.
Advanced Stitching ("X")	The use of a "X" ballistic stitch pattern extending diagonal from the shoulders to the sides of the lower torso area of the armor panel.	Provides four reinforced quadrants in the armor panel for increased ballistic resistance and reduced blunt trauma. In addition, reduces impact movement and increases impact recovery following a ballistic event.

3. Armor Design (Construction) - continued:

Feature(s)	Definition(s)	Benefit(s)
Grip Loc [™] Integrated Suspension System	The use of adhesive tabs sewn to the armor panel that adheres to the interior of the cover material. In addition, Velcro® Hook Tabs are adhered to the exterior of the cover material for added support.	This provides an integrated suspension system that transfers the weight of the armor panel through the cover material and carrier to the shoulder straps. The suspension system prevents the armor panel from bunching at/on the bottom of the carrier and forming horizontal set wrinkles, therefore, increasing the life cycle of the ballistics and adding additional protection in a ballistic event.
Water resistant Cover with Heat Sealed Edges	The use of a Brookwood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (Ibs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The PROTECH® SM01 (Type IIIA) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs. per square foot)	1.15 (lbs ft²)
Thinness (inches)	0.352 (in)
.357 SIG estimated V-50 (New) (feet per second)	1909 (fps)
.357 SIG estimated velocity with 95 % probability of stop V-05 (New) (feet per second)	1759 (fps)
.357 SIG probability of perforation at P-BFS (New) (percentage)	0.00 (%)
.357 SIG average back face signature (New) (millimeters)	27.58 (mm)
.44 Magnum estimated V50 (New) (feet per second)	1716 (fps)
.44 Magnum estimated velocity of 95% probability of stop V-05 (New) (feet per second)	1557 (fps)
.44 Magnum probability of perforation at P-BFS (New) (percentage)	0.5 (%)
.44 Magnum average back face signature (New) (millimeters)	39.54 (mm)
.357 SIG estimated V-50 (conditioned) (feet per second)	1817 (fps)
.44 Magnum estimated V-50 (conditioned) (feet per second)	1630 (fps)
Independent NIJ Laboratory Special Threat Testing –	 Speer 357 Sig 125 Gr. GDHP
6 Shot Perforation – Back face Signature (P-BFS)	 Winchester 9 mm 127 Gr. SXT +P+
	 Winchester .40 Cal 165 Gr. SXT
	 Federal .40 S&W 155 Gr. Tactical HP
	 7.62 x 25 85 Gr. Tokarev (Romanian)
	Federal 9mm 100 Gr. CQT
	Special Test Specification:
	9mm 124 Gr. FMJ (Tested
	Dry/Hot/Cold/Wet)
	357 Sig 125 Gr. TMJ (Tested
	Dry/Hot/Cold/Wet)
	 9mm 127gr. SXT (Tested Dry)
	 .40 S&W 165 gr. GDHP (Tested Dry)
	 Mil Std 662F (Hanging using air/hydraulic
	frame and clamps) (wet) –
	o 2 Gr. RCC – V50 2805 fps
	o 4 Gr. RCC – V50 2607 fps
	o 16 Gr. RCC – V50 2155 fps
	o 17 Gr., .22 Cal FSP – V50 2065
	fps
	o 64 Gr. RCC – V50 1793 fps
	Mil STD 662F (Tested on Clay) – A Car BOO
	o 2 Gr. RCC, o 4 Gr. RCC,
	o 4 Gr. RCC, o 16 Gr. RCC.
	o 64 Gr. RCC

Feature(s)	Data
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Back face Signature (P-BFS) Continued:	Special Test Specification: Speer .357 SIG 125 gr. GDHP Federal .40 S&W 155gr. Tactical HP mm 124 gr. GDHP .40 S&W 180gr. HST

5. Availability:

The PROTECH® SM01 (Type IIIA) model is available in accordance with the NIJ Compliance Product List (CPL) as follows:

Classification(s)	Current Status
NIJ Template Size Availability	NIJ C-1 through NIJ C-5
Gender Neutral Armor Model Design Availability	Yes
Gender Specific Shape and Grade for Male(s) Availability	Yes
Gender Specific Shape and Grade for Female(s) Availability	Yes

6. Support Programs:

Classification(s)	Current Status	
Warranty	5 Years	
Quality Assurance Program(s)	ISO 9001 / Vest Check Program	
Safety Assurance Program(s)	OHSAS 18001	
Environmental Assurance Program(s)	ISO 14001	
Liability Insurance	Information Available Upon Request	



BR01 (Type IIIA) **Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® BR01 (Type IIIA) Model (NIJ Model # BA-3A00S-BR01) that is compliant with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA classification and manufactured by Safariland™.

2. Research & Development and Manufacturing:

The manufacturer (Safariland[™]) of the armor model, as listed on the NIJ's Compliant Product List (CPL), solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of armor models listed on the CPL that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

Armor Design (Construction):

The PROTECH® BR01 (Type IIIA) model has the following armor design characteristics:

Feature(s)	Definition(s)	Benefit(s)
Hybrid Technology	The use of multiple types of ballistic, stab, fragmentation and blunt trauma resistant materials in an armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets
Woven Aramid: Teijin Twaron [©]	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material	Provides a high level of ballistic resistance with high impact properties, excellent thermal stability and chemical resistance. The addition of coatings and micro-laminates enhance the chemical and mechanical properties for durability in various conditions.
Uni-Directional Aramid Shield: Honeywell Gold Shield [®]	The use of products made from Aramid fibers cross-piled at a 0° / 90° orientation and impregnated with a resin matrix to form a fabric of material.	Utilizes a fiber that is 5 times the strength of steel. Provides reduction in blunt trauma, increased ballistic and fragmentation resistance, and high degree of flexibility. Cross-piled fibers increase the transfer of energy following a ballistic event.
Geometric [®] Technology (Horizontal Overlapping <i>"I-Cut</i> ")	The use of geometric shapes that are cut separately, partially overlapped by 3" and sewn back together to form the desired armor panel shape.	The Geometric Technology provides many benefits. The Horizontal Overlapping or "I-Cut" Technology provides two separate zones to isolate the affects following a ballistic event and improves multi-hit capability: (1) Additional reinforcement along the abdominal, sternum and spinal cord regions (2) decreases blunt trauma force and increases ballistic resistance (3) improves multi-hit capacity following a ballistic event.



MR01 (Type IIIA) Bid Specification

1. Scope:

The scope of this product specification provides information relating to the PROTECH® MR01 (Type IIIA) Model (NIJ Model # BA-3A00S-MR01) that is compliant with National Institute of Justice (NIJ) Standard 0101.06 Ballistic Resistance of Personal Body Armor for Type IIIA classification and manufactured by Safariland™.

2. Research & Development and Manufacturing:

The manufacturer (Safariland[™]) of the armor model, as listed on the NIJ's Compliant Product List (CPL), solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of armor models listed on the CPL that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

3. Armor Design (Construction):

The PROTECH® MR01 (Type IIIA) model has the following armor design characteristics:

Feature(s)	Definition(s)	Benefit(s)
Hybrid Technology	The use of multiple types of ballistic, stab, fragmentation and blunt trauma resistant materials in an armor design.	Provides the perfect balance between blunt trauma reduction and ballistic resistance against a wide array of bullets
Woven Aramid: Teljin Twaron [⊗]	The use of Teijin Twaron® products made from Aramid fibers in various size yarns (dtex) that are woven together to form a fabric of material	Provides a high level of ballistic resistance with high impact properties, excellent thermal stability, and chemical resistance. The addition of coatings and micro-laminates enhance the chemical and mechanical properties for durability in various conditions
Uni-Directional Aramid Shield: Honeywell Gold Shield [®]	The use of products made from Aramid fibers cross-piled at a 0° / 90° orientation and impregnated with a resin matrix to form a fabric of material.	Utilizes a fiber that is five times the strength of steel. Provides reduction in blunt trauma, increased ballistic and fragmentation resistance, and high degree of flexibility. Cross-piled fibers increase the transfer of energy following a ballistic event.
Advanced Stitching (Top Center Tack)	The use of a single top Tack centered in the Armor Panel.	Provides an interlocking system to keep the ballistic plies in place to reduce impact movement.
Advanced Stitching (Side Tacks / Vertical Stitch Lines)	The use of advanced stitch lines and vertical side tacks sewn on both sides of the armor panel	The advanced stitch design increases the ballistic performance of the armor panel by creating less yaw (tumbling or turning of the bullet). This provides an expanded reinforced area along the side of the armor panel for increased performance during edge shots.

3. Armor Design (Construction) - continued:

Feature(s)	Definition(s)	Benefit(s)
Water resistant Cover with Heat Sealed Edges	The use of a Brook wood 70 Denier nylon blockade with TPU lamination system that has a hydrostatic resistance (ASTM-D 751) minimum of 120 pounds per square inch (PSI) to burst and breakaway adhesion (ASTM-D 5035) minimum of 25 pounds per inch (lbs/in). Armor panel has edges heat-sealed through a son bond process with a minimum of a .25" wide seal.	Provides a durable protective cover around the armor panels that resists environmental contaminate(s).

4. Armor Design (Ballistic Performance):

The PROTECH[®] MR01 (Type IIIA) has the following performance characteristics as documented through a combination of NIJ Body Armor Compliance Testing Summary Reports, Independent NIJ Laboratory Testing Reports, and internal Safariland™ Ballistic Laboratory Testing:

Feature(s)	Data
Areal Density (lbs per square foot)	1.27 (lbs ft²)
Thinness (inches)	0.301 (in)
.357 SIG Estimated V-50 (New) (feet per second)	1818 (fps)
.357 SIG Estimated Velocity with 95 % Probability of Stop V-05 (New) (feet per second)	1701 (fps)
.357 SIG Probability of Perforation at P-BFS (New) (percentage)	0.0 (%)
.357 SIG Average Backface Signature (New) (millimeters)	28.55 (mm)
.44 Mag Estimated V50 (NEW) (feet per second)	1681 (fps)
.44 Mag Estimated Velocity of 95% Probability of Stop V-05 (NEW) (feet per second)	1470 (fps)
.44 Mag Probability of Perforation at P-BFS (NEW) (percentage)	2.90 (%)
.44 Mag Average Backface Signature (NEW) (millimeters)	36.92 (mm)
.357 SIG Estimated V-50 (conditioned) (feet per second)	1743 (fps)
.44 Mag Estimated V-50 (conditioned) (feet per second)	1592 (fps)
Independent NIJ Laboratory Special Threat Testing – 6 Shot Perforation – Backface Signature (P-BFS)	Federal 9mm 100Gr. Frangible (BC9NT3) Speer .357 125Gr. GDHP (23918) Winchester 9mm 127Gr. +P+ SXT(RA9TA) 7.62x25 85Gr. Tokarev Romanian Winchester .40 S&W 165Gr. SXT (RA40TA) Mil Std 662F —

5. Availability:

The PROTECH® MR01 (Type IIIA) model is available in accordance with the NIJ Compliance Product List (CPL) as follows:

Classification(s)	Current Status	
NIJ Template Size Availability	NIJ C-1 through NIJ C-5	
Gender Neutral Armor Model Design Availability	Yes	
Gender Specific Shape and Grade for Male(s) Availability	Yes	
Gender Specific Shape and Grade for Female(s) Availability	Yes	

Support Programs:

Classification(s)	Current Status	
Warranty	5 Years	
Quality Assurance Program(s)	ISO 9001 / Vest Check Program	
Safety Assurance Program(s)	OHSAS 18001	
Environmental Assurance Program(s)	ISO 14001	
Liability Insurance	Information Available Upon Request	



2113MC-3 Rifle Plate **Bid Specification**

1. Scope:

The scope of this product specification provides information relating to the PROTECH® 2113MC-3 Rifle Plate manufactured by Safariland™.

2. Research, Development, and Manufacturing:

The manufacturer (Safariland[™]) of the rifle plate solely performs the research, development, and manufacturing capabilities described below. Other manufacturers of rifle plates that have outsourced similar capabilities shall be deemed as inferior.

Capabilities	Internal	Out Sourced
Soft Armor Research and Development	X	
Hard Armor Research and Development	X	
Soft and Hard Armor Ballistic, Stab and Fragmentation Testing	X	
Soft and Hard Armor Non-Destructive and Destructive Testing	X	
Carrier Research and Development	X	
Domestic Soft and Hard Armor Manufacturing Facilities	X	
Domestic and International Carrier Manufacturing Facilities	X	

Plate Design (Size/Weight/Ballistic Coverage Capability):

The PROTECH® 2113MC-3 Rifle Plate measures 10" x 12" in size, is 1.14" thick, weighs 3.1 pounds, and offers 120 in² (total area) of ballistic coverage. All numeric figures listed in the previous sentence are approximate.

4. Plate Design (Material Construction):

The PROTECH® 2113MC-3 Rifle Plate has the following design features related to material construction:

Feature(s)	Definition(s)	Benefit(s)
Uni-Directional Polyethylene Material	A semi-rigid, advanced composite, uni- directional high performance fiber material used as the primary ballistic element of the rifle plate	Provides excellent ballistic (rifle) resistance properties during impact (energy absorption) and after the ballistic engagement (energy dispersion/back face deformation reduction)
1,000 Denier Cordura [©] Outer Cover Material	A durable, abrasion resistant, cut, tear, and water resistant material used for the exterior outer cover of the rifle plate.	Provides a durable, water resistant material to protect the ballistic resistant material - in addition, it resists the negative effects of exposure to high temperatures and "dry-rotting." Maintains color over time and resists discoloring when exposed to abrasion and wear.

4. Plate Design (Shape):

The PROTECH® 2113MC-3 Rifle Plate has the following design features related to shape:

Feature(s)	Definition(s)	Benefit(s)
Military Style Shooter's Cut	An aggressive, military-style, steep angled cut into both top corners of the rifle plate that is more significant than typical slightly clipped corners	Provides increased mobility and range of motion to the wearer's arms when situated in a shooting stance or shouldering the butt of a rifle.
Multi-Curvature	The combination of a 14-degree left to right curvature radius with each of the four corners of the plate also making identical additional curves toward the wearer's body.	Provides a more natural, comfortable fit to the wearer's body

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5. Plate Design (Ballistic Performance):

The PROTECH® 2113MC-3 Rifle Plate has the following performance characteristics as documented through a combination of NIJ 0101.06 (ballistic resistance of body armor) compliance testing summary reports, Independent NIJ 0101.06 laboratory testing reports, and internal Safariland ballistic laboratory testing reports:

Feature(s)	Data
Threat Type	III
7.62mm 147gr. FMJ (NATO) (M80)	6 Impacts
Additional Independent NIJ 0101.06 Laboratory Special Threat Testing	Data
7.62 x 39mm 123gr. MSC (Mild Steel Core)	6 Impacts

6. **Support Programs:**

Classification(s)	Current Status
Ballistic Warranty	5 Years
Workmanship Warranty	1 Year
Quality Assurance Program(s)	ISO 9001
Safety Assurance Program(s)	OHSAS 18001
Environmental Assurance Program(s)	ISO 14001
Liability Insurance	Information Available Upon Request