

## COMPLIANCE TESTING PROGRAM

### IMPORTANT NOTE:

**August 26, 2024:** This document has been archived by the NIJ CTP, as it has been superseded by the publication of NIJ CTP Product Conformity Assessment System Document 101-06-FIT, Version 2.0 Ballistic Body Armor Follow-up Inspection and Testing (FIT) Scheme. This document is for historical reference only.

July 6, 2020

### **NIJ CTP Product Conformity Assessment System Document 606.2.2: Ballistic Body Armor Follow-up Inspection and Testing (FIT) Scheme Version 1.3**

This version (1.3) reflects changes resulting from the conclusion of the former Justice Technology Information Center (JTIC) program on December 31, 2019, which previously hosted the NIJ CTP. The NIJ CTP has transitioned to, and is now hosted by, RTI International as part of the Criminal Justice Testing & Evaluation Consortium (CJTEC). Revisions in this document are:

- 1) All references to JTIC, and JTIC's predecessor program, the National Law Enforcement and Corrections Technology Center (NLECTC)-National, have been removed from the document.
- 2) This document has been numbered 606.2.2, and re-named Ballistic Body Armor *Follow-up Inspection and Testing (FIT)* Scheme, to clarify the purpose and scope of this document.
- 3) A Table of Contents has been added to the document.
- 4) An Introduction has been added and Section 1 (Scope) has been updated to harmonize with other NIJ CTP Product Conformity Assessment System Documents.
- 5) References to ISO/IEC Standards in Section 2 have been updated to reflect current versions, and ASTM 3005-20 has been added to the list of Normative References.
- 6) Section 4.2.6: Updated mailing address for NIJ CTP.
- 7) Section 7.3.6: Added c) for Type III Scaled Armor sample collection; Type IV sample collection is now d)
- 8) Section 7.4.12: Added new section for Scaled Armor FIT Testing Procedures
- 9) Section 7.4.13: Renumbered Phase 2 Flexible Armor Surveillance Testing (previously 7.4.12 in earlier versions)
- 10) Section 7.7.3: Updated website URL from [www.justnet.org](http://www.justnet.org) to [www.cjtec.org](http://www.cjtec.org).
- 11) Section 8: Updated Revision History format and content.

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**COMPLIANCE TESTING PROGRAM**

**NIJ CTP Product Conformity Assessment System:  
Ballistic Body Armor  
Follow-up Inspection and Testing (FIT) Scheme**

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## Introduction

This product conformity assessment scheme forms a part of the National Institute of Justice Compliance Testing Program (NIJ CTP) Product Conformity Assessment System. The top level system document (NIJ CTP Product Conformity Assessment System, Document ID 606.1) contains additional information and requirements that are applicable to this subordinate scheme. The conformity assessment requirements contained in this scheme have precedence over those contained in NIJ Standard 0101.06.

Participation in this scheme requires the transfer of body armor between the applicant, the NIJ CTP and the test laboratory. Participants are expected to comply with all applicable federal, state and local laws.

The official specification limits contained in this scheme shall be in International System of Units (SI). Any other units provided in parenthesis following the SI units are for convenience only. If any difference exists because of conversion or rounding, the SI units have precedence.

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## 1. Scope

**1.1** This scheme describes the specific conformity assessment requirements of the National Institute of Justice Compliance Testing Program (NIJ CTP) for ongoing product surveillance (hereafter referred to as “Follow-up Inspection and Testing”, or “FIT”) for ballistic-resistant body armor models that:

- a) have been tested in accordance with the NIJ CTP Ballistic Resistant Body Armor Initial Type Testing (ITT) Inspection Scheme (NIJ CTP Product Conformity Assessment System, Document ID 606.2.1), and
- b) are currently listed as an “Active” model on NIJ’s Compliant Products List (CPL).

**1.2** This document supplements the general requirements of ISO/IEC 17020:2012, and defines minimum requirements for bodies performing inspections in support of the NIJ CTP’s surveillance function.

### 1.3 Roles and Responsibilities

**1.3.1** The NIJ CTP is responsible for the overall management and performance of the activities described in this scheme.

**1.3.2** For this specific scheme, the NIJ CTP has elected to designate a qualified (see Section 4.1) third-party *Inspection Body* to perform the on-site inspections, as well as documentation and sample collection, at manufacturing facilities as described in Section 7 of this scheme.

**1.3.3** The ballistic testing of samples collected by the NIJ CTP-designated *Inspection Body* through the activities described in this scheme will be performed by *NIJ-approved laboratories* (see Section 6.3) according to this scheme (see Section 7.4).

**1.3.4** Applicants are responsible for coordinating FITs with the Inspection Body by communicating when production of specific eligible armor models will take place and accommodating inspectors from the Inspection Body during times of production.

**1.4** Only the following categories of ballistic-resistant body armor are within the scope of this document:

- a) soft body armor typically made up of layers of textile-based materials shaped into armor panels that are intended to provide either full torso (front, back and sides) or limited torso (front and back) coverage,
- b) in-conjunction with (ICW) armor that consists of a single armor panel or plate that is intended to be layered with a specific stand alone soft body armor (Item a above) to provide increased protection to the torso,
- c) Type III stand-alone flexible scaled armor consisting of multiple overlapping tiles or plates, or
- d) hard armor that consists of a single armor plate that is intended to provide stand alone protection to the torso.

**1.5** Only armor models seeking classification as Type IIA, II, IIIA, III or IV, as described in NIJ Standard 0101.06, Section 2, are included in this scheme.

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**1.6** Armor accessories are not within the scope of this scheme.

**1.7** Where requirements contained in this document may differ with requirements contained in NIJ Standard 0101.06, this document shall take precedence.

**1.8** The requirements in *NIJ CTP Product Conformity Assessment System – General Requirements* (NIJ CTP Product Conformity Assessment System, Document ID 606.1) apply unless otherwise indicated.

## **2 Normative References**

Note: all references to standards reflect the current edition as of publication of this scheme. As these standards are revised/updated by their governing/issuing organization, the most current version of that standard should take precedence.

- 2.1** ASTM E3005-20. *Standard Terminology for Body Armor.*
- 2.2** 22CFR Part 120. *International Traffic in Arms Regulations.*
- 2.3** ILAC-P15:07/2016. *Application of ISO/IEC 17020:2012 for the Accreditation of Inspection Bodies.*
- 2.4** ISO 10393:2013. *Consumer product recall - Guidelines for suppliers.*
- 2.5** ISO 9000:2015. *Quality management systems - Fundamentals and vocabulary.*
- 2.6** ISO/IEC 17000:2020. *Conformity assessment – Vocabulary and general principles.*
- 2.7** ISO/IEC 17020:2012. *Conformity assessment - Requirements for the operation of various types of bodies performing inspection.*
- 2.8** ISO/IEC 17025:2017. *General requirements for the competence of testing and calibration laboratories.*
- 2.9** NIJ Standard-0101.06. *Ballistic Resistance of Body Armor.*

## **3 Terms and Definitions**

For the purposes of this scheme, the terms and definitions given in ISO/IEC 17020:2012 shall apply. If not defined by ISO/IEC 17020:2012, the terms and definitions given in ISO/IEC 17000 shall apply. If not defined by ISO/IEC 17020:2012 or ISO/IEC 17000, the terms and definitions given in ISO 9000 shall apply.

## **4 General**

### **4.1 Impartiality and Independence**

The Inspection Body shall be a Type A (third party) Inspection Body as defined by ISO/IEC 17020:2012, Clause A.1.

### **4.2 NIJ CTP Conformity Assessment Program**

**4.2.1** The Inspection Body's clients for this scheme shall be Applicants in the NIJ CTP conformity assessment program.

**4.2.2** The surveillance aspect of the NIJ CTP conformity assessment program may also be referred to as Follow-up Inspection and Testing (FIT).

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**4.2.3** All inspection and test reports related to this scheme shall be provided by the Inspection Body to the NIJ CTP.

**4.2.4** For the purposes of this scheme, any reference to “NIJ Mark” is a reference to one of the following:

(a) the following statement of compliance: “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 Product List.”, or

(b) the NIJ Certification Mark as it appears below.



**4.2.5** Compliance with this scheme alone does not confer approval from the NIJ CTP to perform inspections on its behalf; Inspection Bodies must also be designated as an NIJ CTP Approved Inspection Body.

**4.2.6** The mailing address of the NIJ CTP/Scheme Owner is:

NIJ Compliance Testing Program  
 3040 E. Cornwallis Rd.  
 Hermann Building, Room 216  
 Research Triangle Park, NC 27709

### **4.3 International Traffic in Arms Regulations and Export Administration Regulation**

**4.3.1** The Inspection Body shall comply with the requirements of 22CFR Part 120, International Traffic in Arms Regulations (ITAR) and Export Administration Regulation (EAR) to include compliance with any other government agencies as required.

**4.3.2** The inspection body shall have documented policies for complying with ITAR and EAR requirements applicable to ballistic body armor and any associated technical data. The Inspection Body’s policies should:

- (a) permit permanent imports of ballistic body armor and associated technical information,
- (b) prohibit exports of ballistic body armor and associated technical information, and
- (c) prohibit all non-“U.S. Persons” from having access to ballistic body armor and associated technical information.

## **5 Structural Requirements**

### **5.1 Administrative Requirements**

**5.1.1** Applicants shall be responsible for all costs related to this scheme including supplying samples, shipping, inspection and testing.

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**5.1.2** The structure used to calculate costs charged to applicants for inspections performed under this scheme during a given time period shall apply the same flat rates and/or hourly rates to all applicants equally and shall be published or made available on request.

**5.1.3** Costs charged to the Applicant may vary from inspection to inspection based on any combination of the following reasons:

- (a) number of models inspected,
- (b) amount of time necessary to perform the inspection,
- (c) time spent for the Inspection Body personnel to travel to the inspection location, or
- (d) cost of transportation, lodging and meals needed by Inspection Body personnel to perform an inspection.

**5.1.4** Costs charged to travel by privately owned vehicle shall be limited to the mileage reimbursement rates published by the U.S. General Services Administration (GSA).

**5.1.5** Costs charged for lodging, meals and incidental expenses shall be limited to the total maximum per diem rates published by GSA in effect at the time of the travel. On travel days, the maximum per diem rates for meals shall be reduced to 75 percent of the published rate.

**5.1.6** The place of lodging on the evening of travel shall be considered the location for determining the maximum per diem rate of costs. On the return home day, the per diem will be based on the place of lodging from the previous day. For one-day trips where no lodging is incurred, the per diem rate will be for the place of business.

**5.1.7** Costs charged for flights shall be limited to the lowest nonrefundable coach class meeting inspection requirements available at the time the ticket is purchased.

**5.1.8** Business class or equivalent airfare costs for international flights of eight hours or more are allowable. Flight time is determined by the official airline schedules. Flight legs separated by an overnight hotel stay may not be added together for the purpose of meeting the eight-hour requirement. Eight hours of flying time must be accumulated before or after an overnight stay.

**5.1.9** Test laboratories shall bill the Inspection Body for all costs associated with this scheme. The Inspection Body shall then bill those costs to the applicant.

## **5.2 Organization and Management**

**5.2.1** Inspections shall be requested by either the NIJ CTP or the Applicant. All inspections requested by the Applicant shall be approved by the NIJ CTP before commencing. When requested by the NIJ CTP, the inspection may be identified as an unannounced inspection (manufacturer not alerted).

**Note:** Initial product inspections are typically requested by Applicants.

**5.2.2** If the NIJ CTP does not select the test laboratory when requesting an inspection or before approving an inspection, the Inspection Body shall select the test laboratory.

**5.2.3** When the Inspection Body selects the test laboratory, the Inspection Body shall select from the list of NIJ Approved Test Laboratories the next lab in ascending alphabetical order based on the test laboratory selected during the most recent inspection of that location. If no inspections of that location have yet occurred, the laboratory that performed testing for the initial determination of compliance for the scheduled model shall be treated as the last inspection test laboratory when making the selection.

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## 6 Resource Requirements

### 6.1 Personnel

**6.1.1** Inspection Body staff members who perform inspections at manufacturing facilities (hereafter known as *Field Inspector*) shall have had training covering the following:

- a) the NIJ Body Armor Classification System (Section 2 of NIJ Standard-0101.06);
- b) the NIJ Mark; and
- c) the following terms as described in NIJ Standard-0101.06:
  - Armor Carrier,
  - Flexible Body Armor,
  - Hard Armor (or Rigid Armor),
  - In Conjunction Armor, and
  - Ballistic Panel.

**6.1.2** Field Inspectors who also inspect applicant management systems shall be competent to inspect management systems.

**6.1.3** Inspection Body staff members who review test reports shall, in addition to the requirements for Field Inspectors, also be competent to inspect test reports for compliance with both ISO/IEC 17025 and the test methods described in Section 7 of NIJ Standard-0101.06.

**6.1.4** Inspection Body staff members within the United States who have access to ballistic-resistant armor or the technical data related to ballistic-resistant armor must be a “U.S. Person” with regards to export control.

### 6.2 Facilities and Equipment

The Inspection Body shall maintain an office in the United States where all field inspection reports and test reports are received and processed.

### 6.3 Subcontracting

**6.3.1** For testing associated with this scheme, the Inspection Body shall only use test laboratories that are NIJ Approved to perform testing to NIJ Standard-0101.06. A list of NIJ Approved Test Laboratories is available on the Scheme Owner’s website ([www.justnet.org](http://www.justnet.org)) or may be requested from the NIJ CTP.

**Note:** Accreditation to ISO/IEC 17025 for NIJ Standard-0101.06 by an accreditation body that is a full signatory to the ILAC MRA is one of the requirements necessary to be an NIJ Approved Test Laboratory for ballistic-resistant armor.

**6.3.2** Other than test laboratories as described above, no other subcontracting of work covered by this scheme shall occur without express written permission from the Scheme Owner.

**6.3.3** The inspection body shall require the test laboratory to complete Phase 1 and hard armor testing within 30 days. The test laboratory shall also be required to complete Phase 2 testing within 10 days.



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**6.3.4** The Inspection Body shall review all surveillance test reports to ensure they comply with both ISO/IEC 17025 and this scheme prior to making payment to the test laboratory.

## **7 Process Requirements**

### **7.1 Inspection Methods and Procedures**

**7.1.1** Field Inspectors shall arrive at the designated manufacturing facility during normal business hours with sufficient time to complete the inspection.

**7.1.2** Within the United States, Field Inspectors shall be prepared to present credentials (including proof of ITAR compliance if requested) to the manufacturer's representative prior to entering restricted areas.

**7.1.3** All of the models listed on the inspection form are models that are due for inspection. Models that have been scheduled for inspection shall be circled or otherwise indicate on the inspection form. The Field Inspector should inspect as many models from this list as possible that are both available and meet all other sample requirements. It is not necessary to inspect all models listed on the inspection form.

**7.1.4** The Field Inspector shall verify the Applicant is able to demonstrate traceability of all materials used in the selected samples.

**7.1.5** Traceability shall be sufficient to link ballistic panel serial number and or lot number to:

- a) purchase order of each bulk material used in the ballistic panel's construction,
- b) Applicant's acceptance criteria,
- c) evidence material met acceptance criteria, and
- d) specific employee who made the determination and accepted the material for use.

### **7.2 Applicant's Management System**

**7.2.1** When directed by the NIJ CTP, the Inspection Body shall perform an inspection of the Applicant's management system used in the manufacture of body armor.

**7.2.2** The management system inspection shall be combined with a product inspection.

**7.2.3** The management system shall have a documented corrective actions process that includes:

- a) clearly identifying nonconformities (e.g. from complaints, internal audits and external audits) and their associated requirements;
- b) establishing a broad initial (short-term) containment plan to prevent any additional end users from being impacted by identified nonconformities (may initially be more broad/severe than necessary);
- c) identifying the root cause(s) of the nonconformity (not symptoms);
- d) fully identifying the scope of the impact of the root cause (serial number, lot number, date of manufacture, and manufacture location of impacted product) and then updating initial containment with a long term containment plan;
- e) correcting or destroying nonconforming work (may include recalling impacted products);

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- f) taking corrective actions to address root causes and prevent recurrence;
- g) recording results of actions taken; and
- h) reviewing the effectiveness of corrective actions.

**7.2.4** The management system shall have a documented product recall plan that is proportional in nature and timeliness to the risks involved and includes:

- a) recall policy;
- b) list of the documentation and records that will be created and maintained;
- c) list of the legal, industry and regulatory requirements;
- d) identification and explanation of the roles and responsibilities of the recall management team;
- e) description of the training and exercise requirements for members of the recall management team;
- f) guidance on how product incidents will be investigated and a decision made on whether a recall is necessary; and
- g) identification of the resources required and processes used to implement a recall.

**Note:** This sub clause has been adapted from ISO 10393:2013 which contains additional suggestions concerning product recall.

### **7.3 Handling Inspection Items and Samples**

**7.3.1** Models of interest shall be identified and approved by the NIJ CTP before inspecting.

**7.3.2** Samples representing models of interest shall be randomly selected by the Field Inspector from among those available at the time of inspection. If no samples representing a model of interest are available, the Field Inspector shall document this, and the Applicant shall be billed the minimal costs for the Inspection Body's time and expenses.

**7.3.3** Inspection samples shall not be accepted by the Field Inspector before they have completed the full manufacturing process and have had the NIJ Mark applied by the Applicant.

**Note:** Applicants may temporarily cover the NIJ Mark (with for example a removable sticker) to indicate that an armor has not yet completed the full manufacturing process or inspections. This may be necessary when a label with the NIJ Mark is applied to an armor cover using heat that is incompatible with ballistic materials and therefore applied before final assembly is completed and inspected.

**7.3.4** Prior to, or in conjunction with, the application of the certification mark, each ballistic panel shall also have a label that includes model, serial number, lot number and date of manufacturer.

**7.3.5** The Field Inspector shall randomly select samples from those available. If available, samples manufactured the same date as the inspection shall be selected. Otherwise, samples manufactured within 14 days of the inspection shall be selected.

**7.3.6** The number of samples (per model) selected by the Field Inspector for testing shall depend on the type of armor:

- a) Type IIA, II, or IIIA; and Phase 1 - Two complete armor samples:

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- side opening: two front ballistic panels + two back ballistic panels, or
- front opening: four front (half) ballistic panels + two back ballistic panels (w/carrier);

b) Type III (single, solid plate/panel) - two ballistic panels.

c) Type III (scaled/overlapping tiles or plates) armor tested in accordance with CTP Administrative Clarification CTP 2015:01 *Test Protocol for Type III Scaled Armor Plates* – 8 ballistic panels

d) Type IV – four ballistic panels.

**7.3.7** Samples do not require a carrier unless they are “front opening” (the front is actually two ballistic panels instead held together by the carrier to form frontal coverage) or ICW.

**7.3.8** ICW armor consists of both a stand-alone armor and a dependent ballistic panel. The dependent ballistic panel cannot be used alone, but increases the effectiveness of the stand-alone armor. If the field inspection includes models that are in conjunction-dependent ballistic panels:

- a) Inspection Body shall instruct the applicant to also ship separately the associated stand-alone ballistic-resistant armor models to the appropriate test laboratory (one complete sample/two panels for Type III, two complete samples/four panels for Type IV), and
- b) the stand-alone ballistic-resistant armor model is not required to be inspected and tested (alone) when included as a component of the ICW armor.

**7.3.9** After selecting the samples, the Field Inspector shall maintain oversight or possession until samples are shipped to the appropriate test laboratory.

**Note:** Manufacturer may package, address and prepay for package shipment as long as the Field Inspector takes package with him to drop at a mailing facility after leaving the manufacturing facility.

**7.3.10** The Field Inspector shall include a sample identification form with at least the following information:

- indication that samples are related to the FIT Program and what Phase (Phase 1 or Phase 2);
- FIT identification number;
- test laboratory name, point of contact (POC) and address;
- manufacturing location information (POC and address);
- applicant information (POC and address); and
- model ids of samples shipped with the form.

**7.3.11** Ballistic materials are typically vulnerable to heat, moisture and UV light. The Field Inspector shall use reasonable methods to limit samples’ exposure to these environmental conditions. This may be accomplished by both using the shipping materials typically used by the Applicant and shipping to the appropriate test laboratory as soon as possible.

**7.3.12** Following testing, the samples shall be mailed by the test laboratory directly to the NIJ CTP within five business days. If a perforation occurs, the test samples shall be immediately shipped by overnight shipping. All samples shipped by the test laboratory to the NIJ CTP shall include the original shipping form from the inspection.

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## 7.4 Testing

**7.4.1** Testing performed for this scheme shall be performed in compliance with the Test Laboratories' ISO/IEC 17025 accreditation. Testing shall also be performed in compliance with NIJ Standard-0101.06, Section 7, except as modified by this document.

**7.4.2** Testing shall be performed within one month of receiving samples unless additional time is approved by the NIJ CTP in writing. Manufacturers may observe testing of their armor and the test laboratory should take this into consideration when scheduling testing.

**7.4.3** Perforation testing shall be performed on all samples. Testing shall continue until all panels are shot the required number of times. Testing shall not be discontinued because a perforation occurs.

**7.4.4** Backface Signature shall not be measured as a part of surveillance testing.

**7.4.5** Within the limits provided in NIJ Standard 0101.06, test laboratories should place shots on obvious or potential weaknesses such as seams, darts and other types of discontinuities. Also, shots should be placed off obvious buildups such as are found on front-opening models.

**7.4.6** The ballistic panels shall be marked and shot using normal procedures for shot pattern, shot-to-shot distance and shot-to-edge distance as described in NIJ 0101.06. If the armor type is IIA, II or IIIA, the Threat 1 shot-to-edge distances shall be two inches and Threat 2 shot-to-edge distances shall be three inches unless otherwise directed by the NIJ CTP.

**7.4.7** If a perforation occurs, testing must be completed and the completed test report provided to the Inspection Body by the next business day following completion of testing.

**7.4.8** If a surveillance testing failure occurs, the Inspection Body must alert the NIJ CTP and provide a copy of the completed test report within two business days following completion of testing.

### 7.4.9 Phase 1 Flexible Body Armor Surveillance Testing

**7.4.9.1** The ballistic panels shall be submerged per Section 7.8.2 of NIJ Standard 0101.06, and six shots per ballistic panel shall be shot as is required for the Perforation-Backface Signature testing protocol (NIJ Standard 0101.06, Section 7.8).

**7.4.9.2** Based on the sample's armor type, the threat rounds will be as indicated in NIJ Standard 0101.06, Table 4.

**7.4.9.3** Where two calibers are specified, half of the samples will be shot with each threat round for Phase 1 Testing.

### 7.4.10 Hard Armor (or Rigid Armor) Surveillance Testing

**7.4.10.1** The ballistic panels shall be submerged per Section 7.8.2 of NIJ Standard 0101.06, and shall receive six shots per ballistic panel for Type III and one shot per ballistic panel for Type IV as is required for the Perforation-Backface Signature testing protocol (NIJ Standard 0101.06, Section 7.8).

**7.4.10.2** Based on the sample's armor type, the threat rounds shall be as indicated in NIJ Standard 0101.06, Table 4.

### 7.4.11 In Conjunction With (ICW) Body Armor Surveillance Testing

**7.4.11.1** The stand-alone element of the ICW armor shall be tested as flexible or hard armor as applicable (see sub clauses 7.4.9 or 7.4.10).

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**7.4.11.2** Dependent ballistic panels shall only be tested in combination with the stand-alone armor and shall be tested together as hard armor (see sub clause 7.4.10).

#### **7.4.12 Scaled Armor**

**7.4.12.1** Scaled Armor, tested in accordance with the shot pattern identified in CTP Administrative Clarification CTP 2015:01 *Test Protocol for Type III Scaled Armor Plates*, shall be tested as follows:

- a) Four panels tested in accordance with P-BFS Configuration 1.
- b) Four panels tested in accordance with P-BFS Configuration 2.

<b>Armor Panels</b>	<b>Shots/Angles Per Panel</b>	<b>Notes</b>
Four Panels	2/0°, 2/30°, 1/45°, 1/55°	P-BFS Configuration 1
Four Panels	2/0°, 1/30°, 2/45°, 1/55°	P-BFS Configuration 2

#### **7.4.13 Phase 2 Flexible Body Armor Surveillance Testing**

**7.4.13.1** Phase 2 Flexible Body Armor Surveillance Testing shall be completed only if both a single perforation occurs during Phase 1 Flexible Body Armor Surveillance Testing and it is determined necessary by the NIJ CTP.

**7.4.13.2** The NIJ CTP shall alert the Inspection Body if Phase 2 Testing is necessary. The NIJ CTP shall then inform the Applicant in the form of an NIJ CTP Notification of both the perforation and the need for the Applicant to supply and ship Phase 2 Testing samples directly to the same test laboratory that performed Phase 1 Testing. The NIJ CTP shall also supply the Applicant with a sample identification form to include with the samples. The sample identification form shall contain the information provided in sub clause 7.3.10.

**7.4.13.3** Phase 2 test samples shall consist of 10 panels that are representative of the panel that experienced the perforation during Phase 1 Testing. The ballistic panels that must be submitted for Phase 2 testing are:

- a) side opening planar design: 10 ballistic panels (five front and five back).
- b) side opening non-planar design: 10 non-planar ballistic panels or 10 back ballistic panels depending on the panel that experienced the perforation during Phase 1 Testing.
- c) front opening design: 20 front (half) ballistic panels w/carrier or 10 back ballistic panels depending on the panel that experienced the perforation during Phase 1 Testing.

**7.4.13.4** Samples shall be from the same location, assembled using the same processes and shall be the same model, shape and size as the sample perforated during Phase 1 Testing.

**7.4.13.5** The test laboratory shall apply the same testing procedure as used for Phase 1 Testing except only the threat round that previously perforated the model armor during Phase 1 Testing shall be used.

### **7.5 Testing Specifications**

**7.5.1** A single perforation during Phase 1 Flexible Body Armor Surveillance Testing is not considered a surveillance testing failure but does require Phase 2 Flexible Body Armor Surveillance Testing to be completed.

**7.5.2** A single perforation during Phase 1 Flexible Body Armor Surveillance Testing combined with one or more perforations during FIT Phase 2 shall be considered a surveillance testing failure.

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**7.5.3** More than one perforation during Phase 1 Flexible Body Armor Surveillance Testing is considered a surveillance testing failure.

**7.5.4** A single perforation during Hard Armor Surveillance Testing shall be considered a surveillance testing failure.

## **7.6 Inspection Records**

**7.6.1** The Field Inspector’s original record of inspection and evidence of Applicant’s compliance shall be maintained and made available to the scheme owner on request.

**7.6.2** The inspection report shall be internally traceable to the authorizing personnel who reviewed and approved both the surveillance test report and the Field Inspector’s documentation.

## **7.7 Inspection Reports**

**7.7.1** The work carried out by the Inspection Body shall be covered by a retrievable inspection report.

**7.7.2** The inspection report shall include:

- a) results of field inspection and testing;
- b) model, serial number, lot number and date of manufacture for each ballistic panel inspected and tested;
- c) applicant quality management documentation if applicable;
- d) test laboratory where samples were tested;
- e) both signature and printed name of authorizing personnel;
- f) copy of test laboratory’s ISO/IEC 17025 compliant surveillance test report; and
- g) the following elements from Annex B, ISO/IEC 17020:2012 : a, b, c, e, h, i, j, k and m.

**7.7.3** Reports shall clearly state “The NIJ Compliant Product List and the associated NIJ Notices located at [www.cjtec.org](http://www.cjtec.org) should be consulted to determine an armor model’s current compliance status with the NIJ Compliance Testing Program.”

**7.7.4** If the inspection included the Applicant’s quality management system, the report shall indicate the results.

**7.7.5** The complete report shall be provided to the NIJ CTP.

**7.7.6** An alternate report modified to comply with ITAR and EAR requirements may be provided to applicants outside of the United States. A complete report may be provided to applicants within the United States.

**7.7.5** In the event that an amended report is created, all recipients provided an initial report by the Inspection Body shall be notified and the amended report made available.

## **7.8 Complaints and Appeals**

The results of any complaints or appeals received by the Inspection Body and related to this scheme shall be made available to the Scheme Owner on request.

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## 8. Revision History

Revision	Section	Change	Name	Date
Revision 1.0	N/A	Initial Release	Jamie Phillips	6/24/15
Revision 1.1	General Document  Section 2  4.2.4  7.4.7	Method for indicating revisions has changed and the initial release is considered as Revision 1.0.  Normative references updated to reflect current standards.  The NIJ Mark has been changed to reference the NIJ Certification Mark,  Time limitations are imposed on test laboratories.	Jamie Phillips	10/16/2016
Revision 1.2	7.4.12.2  7.4.12.3	Description of phase 2 testing was revised to reflect operations.  Description of phase 2 samples was changed to include non-planar and planar panel requirements.	Alex Sundstrom	2/23/18
Revision 1.3	General Document           Section 1	<ol style="list-style-type: none"> <li>All references to the Justice Technology Information Center (JTIC) and JTIC's predecessor program, the National Law Enforcement and Corrections Technology Center (NLECTC)-National, have been removed from the document, as the JTIC program ended December 31, 2019. The NIJ CTP is now hosted by the Criminal Justice Testing &amp; Evaluation Consortium (CJTEC), operated by RTI International.</li> <li>This document has been renumbered from 2018 02 23 to 606.2.2 and re-named from <i>NLECTC-National Ballistic Armor Inspection Scheme</i> to <i>NIJ CTP Ballistic Body Armor Follow-up Inspection and Testing (FIT) Scheme</i>, to clarify the purpose and scope of this scheme document.</li> <li>A Table of Contents and Introduction have been added to the document.</li> <li>Updated Revision History format.</li> </ol> <p>Updated to harmonize with other NIJ CTP Product Conformity Assessment System Documents.</p>	Lance Miller	7/2/20

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Revision 1.3 (continued)	Section 2	Updated references to ISO/IEC Standards to current versions, and ASTM 3005-20 has been added to the list of Normative References.		
	4.2.6	Updated mailing address for the CTP		
	7.3.6	Added c) for Type III Scaled Armor sample collection; Type IV sample collection is now d)		
	7.4.12	Added new section for Scaled Armor FIT Testing Procedures		
	7.4.13	Renumbered Phase 2 Flexible Armor Surveillance Testing (previously 7.4.12 in earlier versions)		
	7.7.3	Updated Website URL for NIJ CTP		

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