

Body Armor Manufacturer's Workshop

February 15, 2024



**Criminal Justice Testing
and Evaluation Consortium**

A Program of the National Institute of Justice

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COMPLIANCE TESTING PROGRAM

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Body Armor Manufacturer's Workshop

February 15, 2024

Agenda

Body Armor Manufacturer's Workshop

February 15, 2024 -- Agenda

- 10:00 – 10:30: Welcome / Introduction
- 10:30 – 11:45: Overview of NIJ Standard 0101.07
- 11:45 – 1:00: Lunch (on your own / RTI Cafeteria)
- 1:00 -- 1:45: CTP Transition
- 1:45 – 2:15: Administrative Changes to .07 CTP (Scheme / TIMS)
- 2:15 – 3:00: FAQ's for 0101.07
- 3:00 – 4:00 Q&A for 0101.07 (Audience)
- 4:00 Adjourn

Body Armor Manufacturer's Workshop

February 15, 2024

CTP Transition: .06 to .07

Alex Sundstrom, NIJ CTP Operations Manager

Compliance Testing Program Transition NIJ Standard .06 to .07

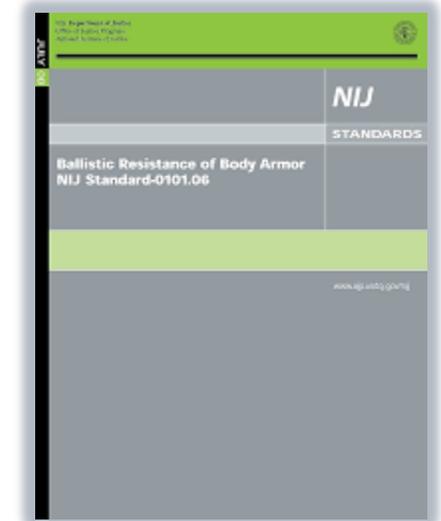
Phasing Out: NIJ Standard 0101.06 CTP

	NIJ
	STANDARDS
Ballistic Resistance of Body Armor NIJ Standard-0101.06	

Compliance Testing Program Transition NIJ Standard .06 to .07

Phase Out: Ballistic Resistant Body Armor NIJ Standard 0101.06

- January 5, 2024: The NIJ CTP stopped accepting new models for testing to the .06 standard.
- January 12, 2024: Addition of / changes to listed companies no longer accepted.
 - Armor models still in the testing and review process can add listees to their armor model until they are approved by NIJ.
- June 28, 2024: Testing of models submitted prior to January 5 should be completed at NIJ-approved labs and test reports submitted to NIJ CTP.
 - Test items should be sent the CTP as soon as possible for inspection.



Compliance Testing Program Transition NIJ Standard .06 to .07

Phase Out: Ballistic Resistant Body Armor NIJ Standard 0101.06 (continued)

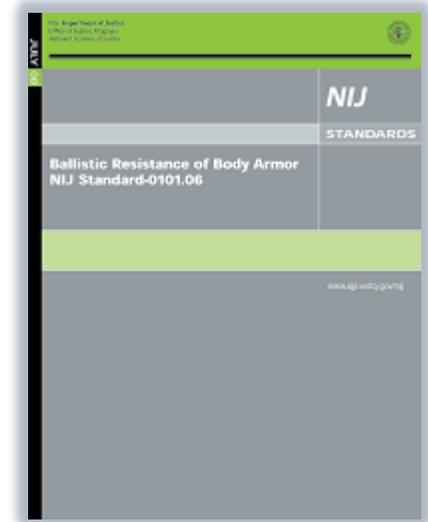
- August 30, 2024 (approximately): The NIJ CTP completes their review of the final .06 submissions and the .06 CPL will be closed to the addition of new models.
- The .06 CPL will be maintained until at least the end of CY2027.



Compliance Testing Program Transition NIJ Standard .06 to .07

Phase Out: Ballistic Resistant Body Armor NIJ Standard 0101.06 (continued)

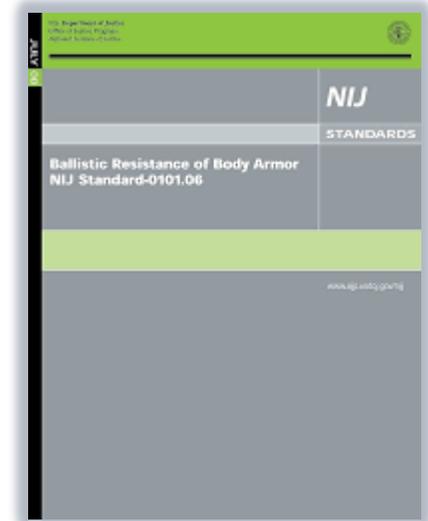
- Follow up Inspection and Testing (FIT) testing will continue for active body armor models listed on the NIJ Compliant Product List (CPL) during this time.
- As of January 2024, there are **400 active unique models on the NIJ CPL.**
- All active models must participate in FIT in order to meet program requirements and continue as an active model on the NIJ CPL.



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Phase Out: Ballistic Resistant Body Armor NIJ Standard 0101.06 (continued)

- Participants are **strongly** encouraged to review the .06 models that are active to ensure they are still being manufactured. If not, please request the model be moved to the inactive list.
 - *Inactive models are not eligible to return to the .06 CPL as an active model once made inactive.*
- The inactive list was created for end users to determine if their armor model was on the NIJ CPL at one time.
- Models on the inactive list are still published but are not eligible for grant funding through the Patrick Leahy Bulletproof Vest Partnership (BVP) program which is a separate program from the NIJ CTP.



Compliance Testing Program Transition

NIJ Standard .06 to .07

- March 2024: TIMS 3.0 User Webinar (Virtual/Online, with live Q&A at end of webinar) will be held to help inform participants on the use of the new database. More information will be coming about how to register and attend this event.



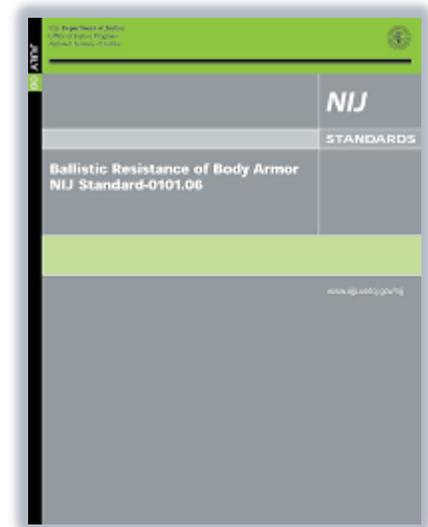
➤ Benefits include:

- Will manage multiple testing programs
 - Will manage and track ITT, FIT, and armor model documentation.
- At some point after the Webinar, TIMS will be opened to allow participants to register and explore their workspace. We encourage all participants to do this and report any issues you encounter to the CTP.

Compliance Testing Program Transition NIJ Standard .06 to .07

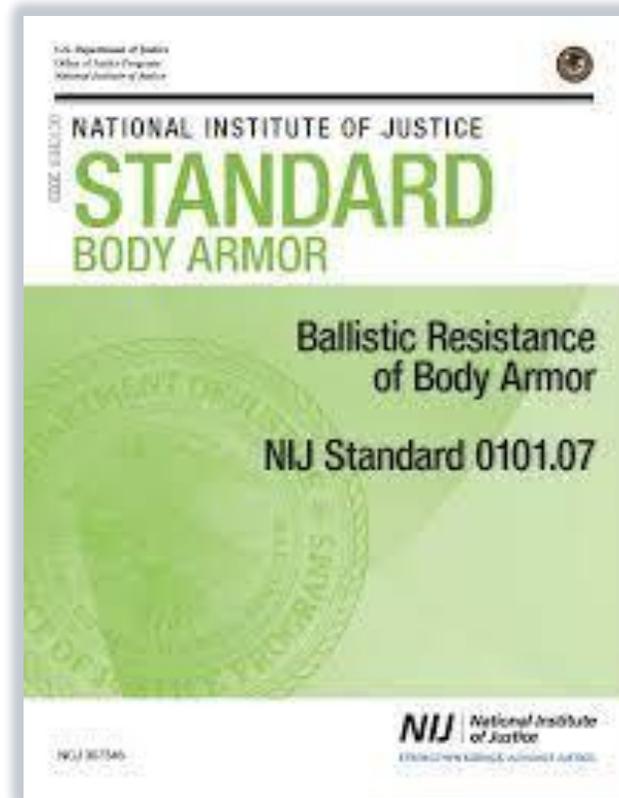
Phase Out: Ballistic Resistant Body Armor NIJ Standard 0101.06 (continued)

Questions?



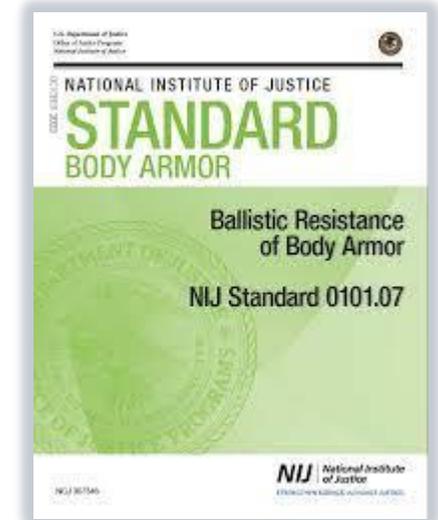
Compliance Testing Program Transition NIJ Standard .06 to .07

Transition to NIJ Standard 0101.07



Compliance Testing Program Transition NIJ Standard .06 to .07

- On approximately April 15, 2024: CTP begins accepting model applications for testing to .07 for CTP review.
- On approximately May 13, 2024: CTP will issue Test IDs for all accepted armor models prior to this date. Laboratories begin testing of models to .07. *(This is dependent upon laboratories NVLAP accreditation.)*
- On approximately July 15, 2024: NIJ approved laboratories may begin uploading test reports for CTP review.
- Early 2025: NIJ CPL will go live for NIJ .07, with all armor models that have been determined to meet program requirements, NIJ and CJTTEC website.
- FIT testing for compliant .07 models will begin after the publication of the CPL.



Compliance Testing Program Transition NIJ Standard .06 to .07

Follow-up and Inspection Testing (FIT): NIJ Standard 0101.07



Compliance Testing Program Transition NIJ Standard .06 to .07

FIT Goal:

The goal of the NIJ CTP is to provide criminal justice practitioners with confidence that the products they use or the protective equipment they wear daily meet minimum performance requirements and perform as expected. For ballistic resistant body armor this confidence is provided by:

1. Traceability documentation during the inspection.
2. Perforation testing conducted at an NIJ approved laboratory.
3. CTP inspection of the FIT armor panels.



Compliance Testing Program Transition NIJ Standard .06 to .07

FIT (continued):

FIT Frequency:

- Once every 10 months without BA 9000 at each manufacturing location for each model.
- Once every 20 months with BA 9000 at each manufacturing location.

BA9000:

A review of the current BA9000 requirements is planned after the implementation of NIJ. 07



Compliance Testing Program Transition NIJ Standard .06 to .07

Soft Armor FIT for HG1 and HG2 :

Planar:

- Four (4) panels (front & back) will be required for FIT (production armor).
- Ballistic Testing – Perforation testing with the addition of the 7th shot placed the front panel.
 - *Ballistic Failure will also impact non-planar (female) version if one is associated with the planar version.*
- CTP construction inspection
- Phase 1 & 2 will remain the same for soft armor.



Compliance Testing Program Transition NIJ Standard .06 to .07

All CPL listed body armor models.

- Soft Armor FIT for HG1 and HG2 (continued):

Non -Planar:

If the non-planar (female) armor model does have a stand-alone planar (male/neutral) version listed on the NIJ CPL:

- *Four (4) front panels only (production armors).*

Ballistic Testing – Perforation testing only with the addition of the 7th shot placed the front panel.

- *If the non-planar (female) armor model has a failure, only the non-planar armor may be impacted based on circumstances surrounding the failure.*
- CTP construction inspection.
- Phase 2: is being investigated to determine how many armor panels will be required for Phase 2 testing in the event of a single penetration on a non-planar armor during FIT.



Compliance Testing Program Transition NIJ Standard .06 to .07

All CPL listed body armor models.

- Soft Armor FIT for HG1 and HG2 (continued):

Non -Planar:

- If the non-planar (female) armor model does not have a stand-alone planar (male/neutral) version listed on the NIJ CPL:
 - *Four non-planar (female) front panels, **AND** four planar (back) panels, for a total of eight panels from the production line.*
 - *If the planar or non-planar versions are determined to not meet FIT requirements both versions are impacted.*
- CTP construction inspection.
- Phase 2: is being investigated to determine how many armor panels will be required for Phase 2 testing in the event of a single penetration on either non-planar or planar armor during FIT.



Compliance Testing Program Transition NIJ Standard .06 to .07

- Hard Armor - FIT for RF1, RF2 and RF3:

Hard Armor:

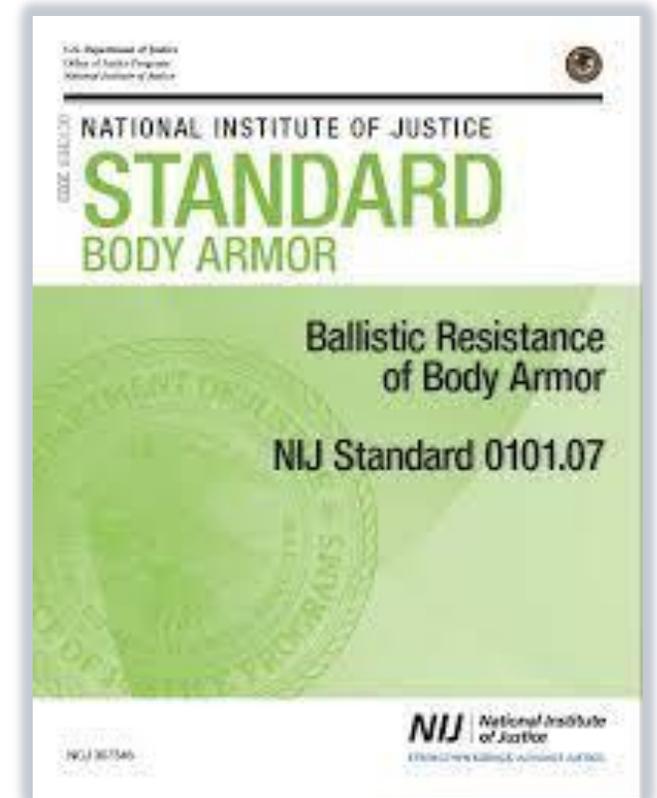
- RF1: 36 shots will be taken (12 shots each ammunition).
- RF2: 48 shots will be taken (12 shots each ammunition).
- RF3: 4 plates will be tested for a single caliber.
- CTP construction inspection.
- The NIJ CTP is reviewing the *feasibility of Phase 2* testing for a single perforation of a hard armor plate during FIT. If it is determined to be feasible, Phase 2 testing would only be required for ammunition that penetrated. *More information will follow...*



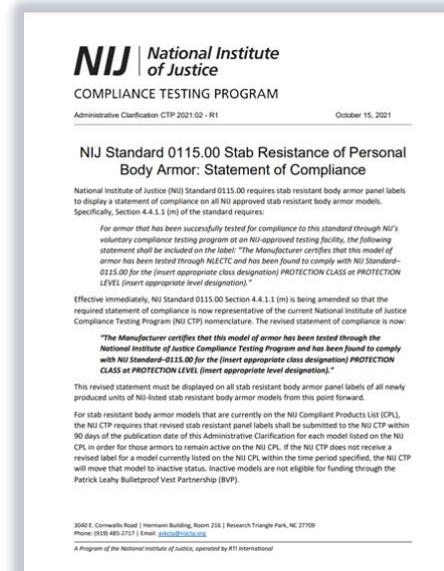
Compliance Testing Program Transition NIJ Standard .06 to .07

Transition to NIJ Standard 0101.07

Questions?



CTP Communications to Participants and Stakeholders

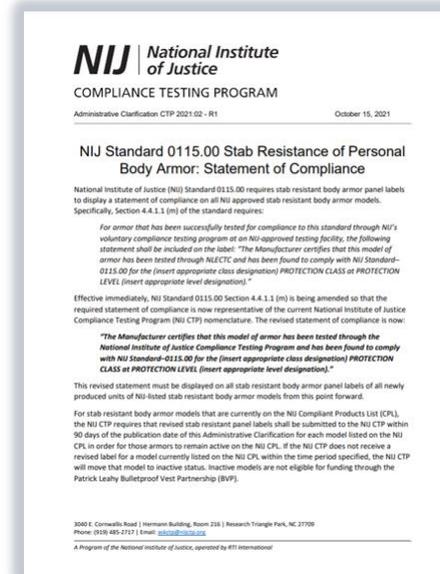


Compliance Testing Program Transition NIJ Standard .06 to .07

CTP Administrative Clarifications:

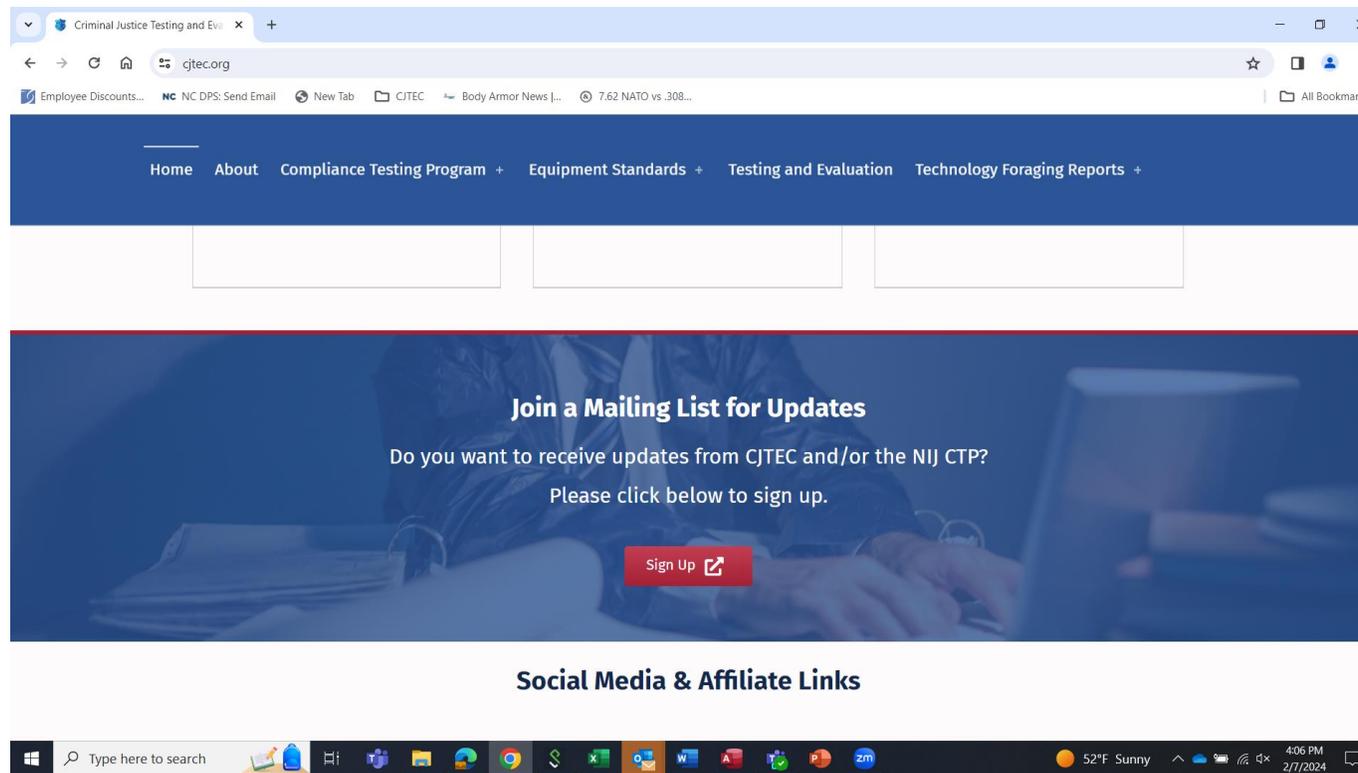
Are published to address:

- Issues identified with a specific program requirement.
- A standard related requirement.
- CTP operations for all testing programs.
- Can be found on the CJTTEC website: www.cjtec.org.



Compliance Testing Program Transition NIJ Standard .06 to .07

- All NIJ CTP participants / stakeholders are encouraged to sign-up for the CTP email distribution list. Go to - cjtec.org



Compliance Testing Program Transition NIJ Standard .06 to .07

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First Name

Last Name

Organization or Affiliation

I am interested in...

Technology Foraging Reports

Compliance Testing Program

Testing and Evaluation

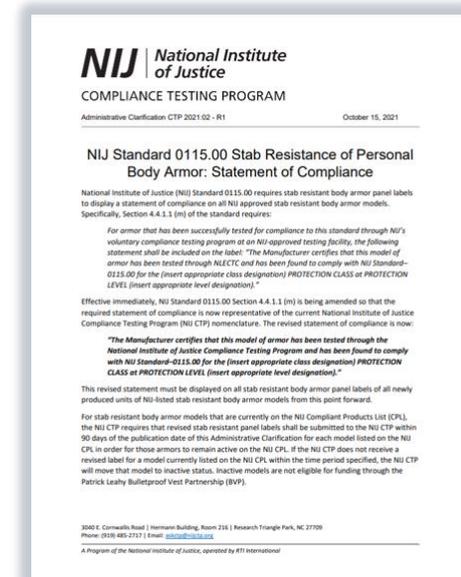
Equipment Standards

Subscribe

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CTP Communications to Participants and Stakeholders

Questions?



NIJ and the NIJ CTP team would like to thank today's attendees for your support and participation in the NIJ Compliance Testing Program.

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