

# Body Armor Manufacturer's Workshop

## February 15, 2024



**Criminal Justice Testing  
and Evaluation Consortium**

**A Program of the National Institute of Justice**

**NIJ** | *National Institute  
of Justice*  
COMPLIANCE TESTING PROGRAM

This project is supported by Award No. 15PNIJ-23-GK-00931-NIJB, awarded by the National Institute of Justice, Office of Justice Programs, U.S. Department of Justice. The opinions, findings, and conclusions or recommendations expressed in this publication/program/exhibition are those of the author(s) and do not necessarily reflect those of the Department of Justice.

# Body Armor Manufacturer's Workshop

February 15, 2024

## Agenda

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## February 15, 2024 -- Agenda

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- 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

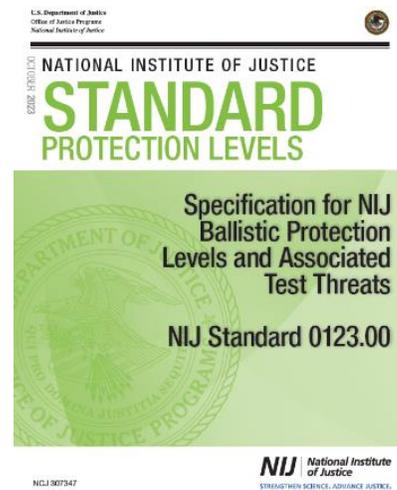
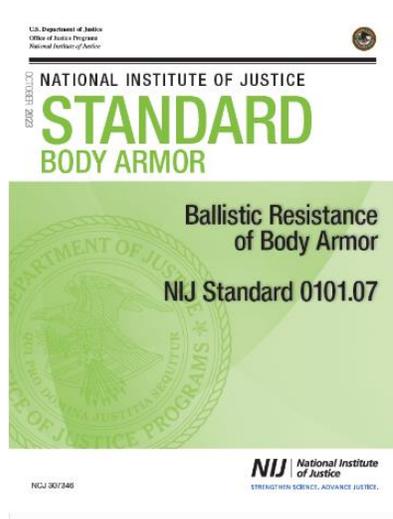
February 15, 2024

Administrative Changes to .07 CTP  
Lance Miller, NIJ CTP Task Lead

# Updating NIJ CTP Scheme Documents

Scheme documents are part of the NIJ CTP's Conformity Assessment system, describing the administrative procedures, practical methodology and details required to perform conformity assessment on the object.

The NIJ CTP introduced Scheme Documents during the .06 CTP, with the most recent revision published in 2020.



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NIJ CTP Product Conformity Assessment System:  
General Requirements

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NIJ CTP Product Conformity Assessment System:  
Ballistic Body Armor Scheme

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The NIJ CTP Conformity Assessment System documents consist of:

- A General Requirements scheme document, describing basic structure and operation of the CTP; and
- Specific scheme documents for each CTP (Ballistic Armor, Stab Armor, Autoloading Pistols)

# Updating NIJ CTP Scheme Documents

## What's New?

A comprehensive revision of the NIJ CTP Conformity Assessment System documents

- Expanded definitions for terms frequently used in the NIJ CTP, aligned with current suite of related ASTM Standards.
- Reorganization of documents to enhance clarity and align with order of operations.
- Incorporation of previously issued NIJ CTP Administrative Clarifications.
- Combines previously separate Initial Type Testing (ITT) and Follow-up Inspection and Testing (FIT) scheme documents into a single scheme document for each CTP, reducing unnecessary duplication / overlap of text.

# Developing the Next Generation Testing Information Management System (TIMS)

## Legacy (Current) TIMS:

The current TIMS used by the NIJ CTP was developed in 2008-2009 to support the 0101.06 Compliance Testing Program. It represented a significant step forward to help manage a far more complex program than its 0101.04/2005 Interim Requirements predecessor.

As the .07 CTP model was being developed it was understood that the current TIMS had significant limitations:

- **Outdated underlying architecture**: The SQL-based architecture is no longer supported by Microsoft.
- **Only supports .06 Initial Type Testing / CPL management**: .06 FIT Testing, and other CTP's (Stab Armor, Autoloading Pistols) are all managed in separate databases developed at different points in time, all with different architecture/structure.
- **Limited / Outdated reporting tools**: Limited data analysis & reporting capabilities, no participant-centric “dashboard” to monitor progress of models through compliance testing process.

**A new approach was needed.....**

# Developing the Next Generation Testing Information Management System (TIMS)



## TIMS 3.0 (2024):

The new TIMS is a “clean sheet” exercise, developed with input from NIJ CTP stakeholders, and featuring core enhancements:

- **Contemporary underlying architecture**: Microsoft .NET, with a lifecycle management plan to update bi-annually as Microsoft releases “major” updates to .NET.
- **Continued Commitment to Data Security / Integrity**: System maintained on ITAR-compliant servers.
- **Modular Structure**: A single system built to support multiple CTP’s (Ballistic and Stab Armor, Semi-Automatic Pistols), leveraging existing code & business process to ensure consistent operations across CTP’s.
- **Complete CTP Lifecycle Management**: Supports both Initial Type Testing (ITT) and Surveillance (FIT) Testing.
- **Enhanced User Interface and Reporting Tools**: A participant-centric “dashboard” to monitor progress of models through compliance testing process, and enhanced reporting tools for CTP staff.

# Developing the Next Generation Testing Information Management System (TIMS)

## Login Screen

**TIMS** | Testing Information Management System

Log In | ?

### Log In

Email

Password [Show password](#)

Remember me [Log in](#)

[Forgot your password?](#)

No account? [Apply to participate in the CTP.](#)

## Welcome to NIJ CTP TIMS

Looking for a compliant product? [Browse the Compliant Product List.](#)

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# Developing the Next Generation Testing Information Management System (TIMS)

## Sample Participant Dashboard:

 **TIMS** | Testing Information Management System

My Account | Switch Roles (Signatory) | Log Out | ?

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Dashboard | Models ▾ | Edit Participant | FIT ▾ | CPL

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### Welcome back, Randy!

[See all models](#)

# 22

models awaiting action

# 0

models in process

In the last 30 days...

- 0 model submissions reviewed
- 0 models approved for CPL
- 0 models failed

**Pending Models** [Full model table](#)

Overdue:  Show Overdue Only

Test Type:  All  ITT  FIT

Model	Model Status	Test	Date Due
<a href="#">BA07-000145</a>	Created	Initial	1/23/2024
<a href="#">Randy Demo</a>	Rejected	Initial	3/25/2022
<a href="#">BA07-000101</a>	Created	Initial	12/16/2021
<a href="#">Test Backing Armor</a>	Rejected	Initial	12/13/2021
<a href="#">BA07-000091</a>	Created	Initial	12/12/2021
<a href="#">SA01-000024</a>	Created	Initial	12/12/2021
<a href="#">Upload Test</a>	Created	Initial	12/05/2021
<a href="#">Another Test</a>	Created	Initial	12/02/2021

**Start New Model**

Select the program for this model

[Create Model](#)

# Developing the Next Generation Testing Information Management System (TIMS)



## Next Steps:

An online webinar is planned for March (date TBD) for TIMS users.

Shortly after the webinar, the new TIMS will be made available for users to begin establishing accounts

- **New NIJ CTP Participant Agreement:** TIMS Users will have to complete a new Participant Agreement.
- **Establish authorized users and roles for your organization:**
- **.07 Model Applications:** Once NIJ CTP Participants have established accounts in the new TIMS, completed the new NIJ CTP Participant Agreement, and established authorized users and roles for your organization, they will be able to begin filling out .07 model applications.
  - However, these applications will not be allowed to be submitted to the CTP until an TBD announced opening date for the .07 CTP (currently anticipated to be approximately April 15, 2024, dependent upon laboratory approvals/onboarding for .07).

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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