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.

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

Body Armor Manufacturer's Workshop

February 15, 2024

Agenda

Criminal Justice Testing and Evaluation Consortium

Body Armor Manufacturer's Workshop
February 15, 2024 -- Agenda

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

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

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

Body Armor Manufacturer's Workshop

February 15, 2024

Administrative Changes to .07 CTP

Lance Miller, NIJ CTP Task Lead

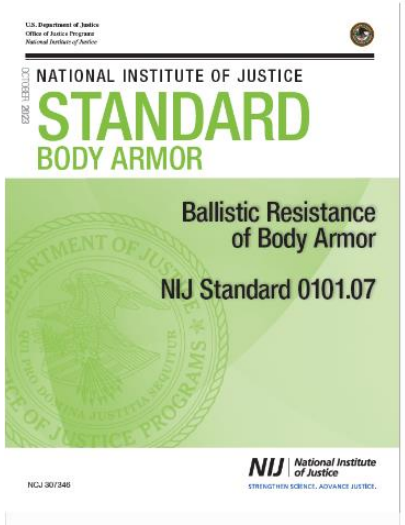
Criminal Justice Testing and Evaluation Consortium

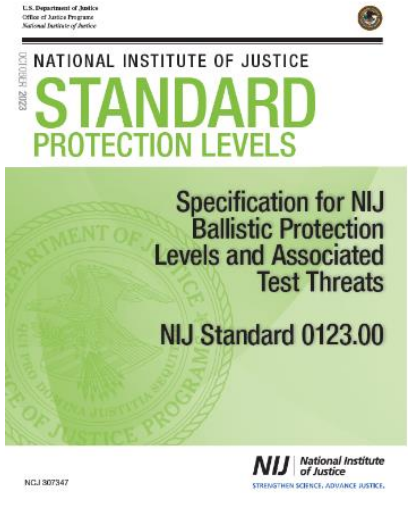
Updating NIJ CTP Scheme Documents

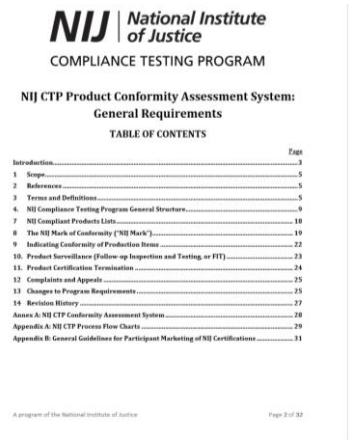
NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

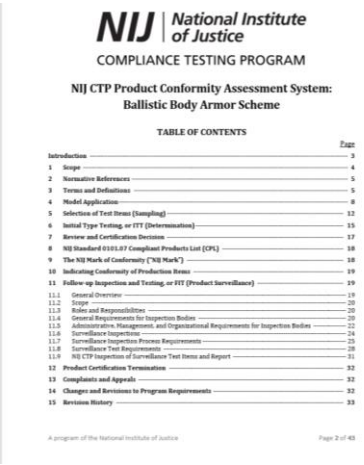
Scheme documents are part of the NIJ CTP's Conformity Assessment system, describing the administrative procedures, practical methodology and details required to perform conformity assessment on the object.

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






NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM
NIJ CTP Product Conformity Assessment System: General Requirements
TABLE OF CONTENTS


NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM
NIJ CTP Product Conformity Assessment System: Ballistic Body Armor Scheme
TABLE OF CONTENTS

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

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

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)

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

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)

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

TIMS | Testing Information Management System

TIMS 3.0 (2024):

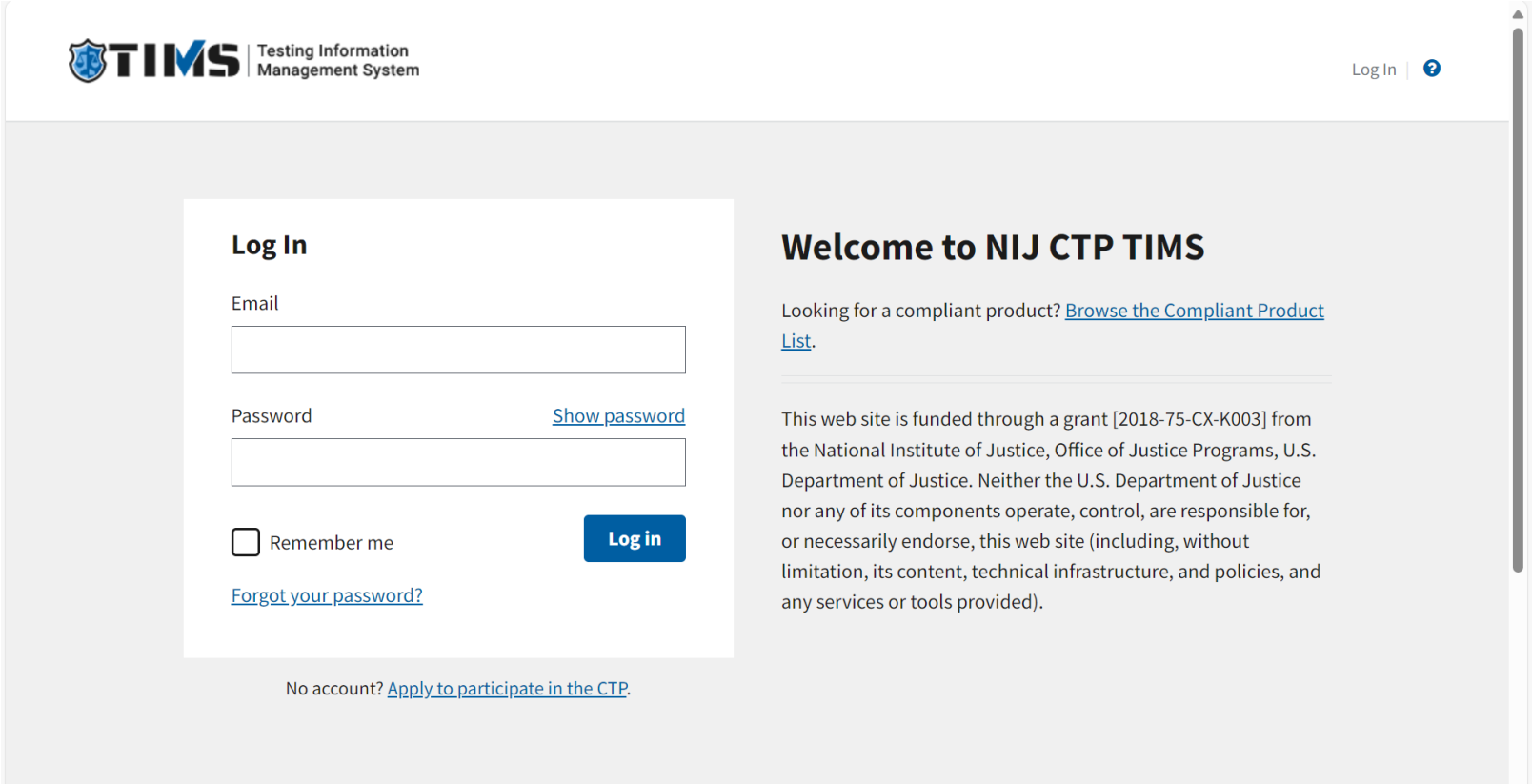
The new TIMS is a "clean sheet" exercise, developed with input from NIJ CTP stakeholders, and featuring core enhancements:

- 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)

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

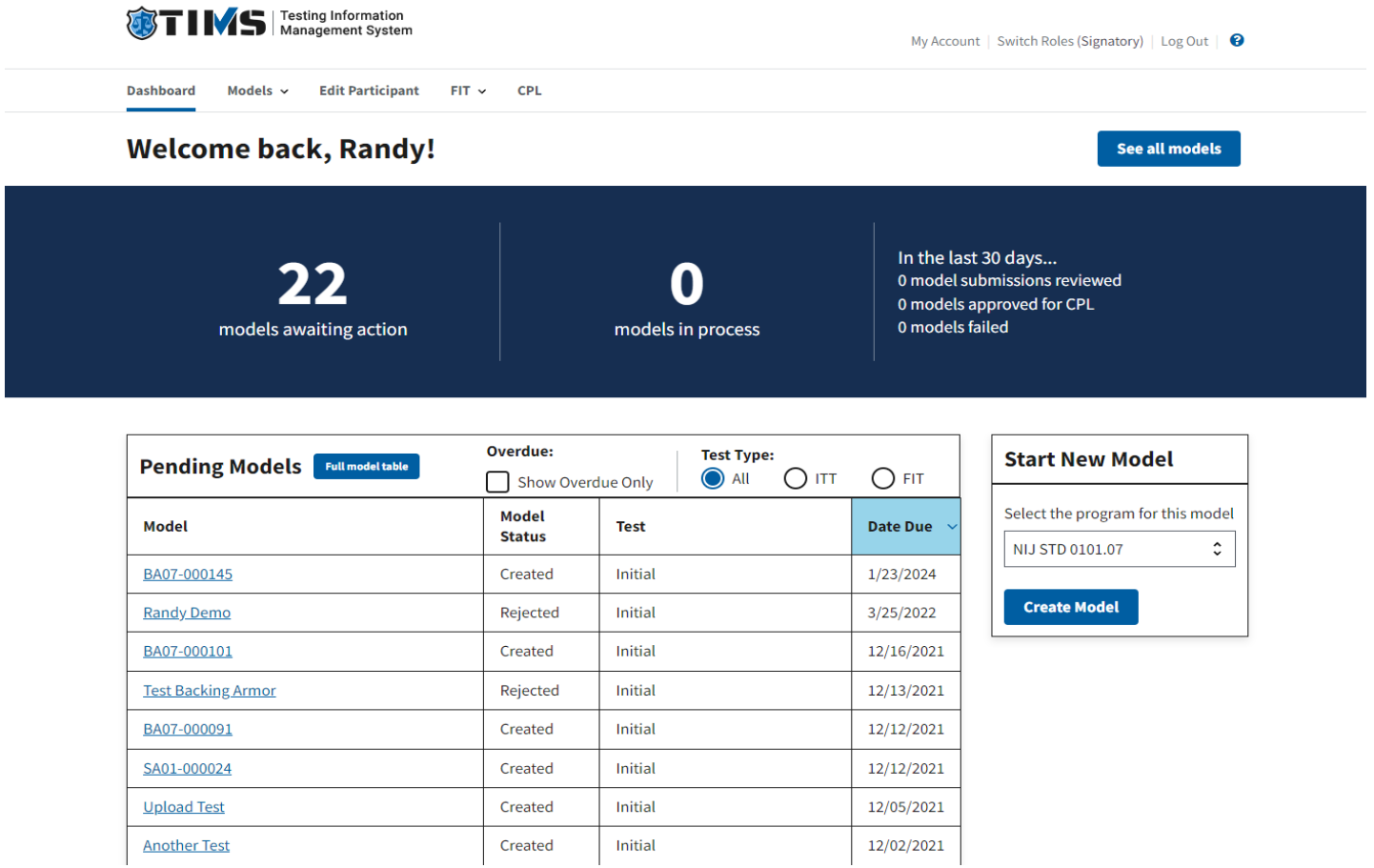
Login Screen



Developing the Next Generation Testing Information Management System (TIMS)

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

Sample Participant Dashboard:



Developing the Next Generation Testing Information Management System (TIMS)

NIJ | National Institute of Justice
COMPLIANCE TESTING PROGRAM

TIMS | Testing Information Management System

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 | National Institute of Justice
COMPLIANCE TESTING PROGRAM

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

For more information please contact:

National Institute of Justice:

Mark Greene
Office Director, Office of Technology and Standards
Mark.greene2@usdoj.gov

Jared Gardner
Technology and Standards Advisor
Jared.gardner@usdoj.gov

Criminal Justice Technology, Testing, and Evaluation Center (CJTTEC) / NIJ CTP:

Daniel Longhurst
Sr. Manager / Standards Coordinator
dlonghurst@rti.org

Alex Sundstrom
NIJ CTP Operations Manager
rsundstrom@nijctp.org

Lance Miller
NIJ CTP Task Lead
lmiller@nijctp.org

Criminal Justice Testing and Evaluation Consortium
A Program of the National Institute of Justice