

Instructions for Completing Compliance Testing Program Build Sheet

These instructions are provided to applicants in order to help them complete the necessary documentation for submitting armor for compliance testing conducted in accordance with NIJ Standard-0101.06. These instructions address input required from an applicant. If questions arise during the completion of this document, please contact the Compliance Testing Program (CTP) at (800) 248-2742 or by e-mail at bactp@nlectc.org.

Proprietary Information

Materials of Construction Data Worksheet

1. *Applicant*: Name of entity submitting armor samples for compliance testing.
2. *Model Designation*: Unique designation provided by an applicant that identifies a specific model of armor. This unique identifier will be listed on NIJ's list of complaint armor models after successful completion of testing process.
3. *Model Code*: Unique identifier provided by the CTP to an applicant on successful completion and review of a model applicant package. The applicant must place the model code on the ballistic panel labels of each test sample submitted to the laboratory for testing.
4. *NIJ STD -0101.06*: Select the appropriate threat level from the menu.
5. *NIJ STD-0115.00*: Select the appropriate protection class and protection level from the menus. If this section does not apply, please leave it blank.
6. *Gender*: Select the appropriate gender for the armor's use from the menu.
7. *Sample*: Select sample type (e.g., front opening, side opening). If you believe your model does not fit into any of the predefined categories, please select "Other" and explain in the Comments section.
8. *Armor Type*: Select the armor type from the menu (concealable, tactical or other).

Ballistic Panel Composition/Lay-Up Description

9. *Material*: Select the general type of material.
10. *Manufacturer/Weaver*: Identify the specific manufacturer and/or weaver of the material.
11. *Specific Material*: Identify the specific type of material by its unique model designation, merge code or other unique identifier.
12. *Measurable*: Identify denier, thread count, thickness, aerial density, plies, resin content, hard armor plate curvature or other measurable characteristics of the material. *(The applicant may opt to*

attach a material data sheet that provides the same information in lieu of completing this section. If this option is chosen, please write "see attachment" in the space provided on the build sheet.)

13. *Orientation:* Specific orientation (relative to the horizontal) of the armor layers. If this does not apply to the applicant's design, please indicate by writing "N/A".
14. *Layers:* Specify the number of layers for each material beginning from the strike face side of the ballistic panel to the body side (example: number of layers = four).

Ballistic Construction Details

15. *Stitching Description:* Indicate type of stitching used (e.g., box stitch, diamond quilt, perimeter, bar tacks). The applicant should also provide any related measurements and tolerances of those measurements in their description. The applicant should submit a diagram of all stitching on female armor and any other models that require stitching descriptions that may not fit into this section. If this does not apply to the applicant's design, please indicate by writing "N/A."
16. *Location:* Indicate the location on the armor panel of the stitching. If this does not apply to the applicant's design, please indicate by writing "N/A."
17. *Thread Type:* Indicate specific type of thread used in stitching. If this does not apply to the applicant's design, please indicate by writing "N/A."
18. *Stitches per Inch:* Indicate the number of stitches per inch in all types of stitching and any related tolerances. If this does not apply to the applicant's design, please indicate by writing "N/A."
19. *Layers:* Indicate the layer number starting from the strike face of the armor panel to the body side.

Ballistic Panel Cover

20. *Material:* Indicate specific type of material used for the ballistic panel cover.
21. *Method of Closure:* Indicate the method used to seal the ballistic panel cover.

External Ballistic Carrier Material(s) Used During Compliance Testing

22. Indicate the type of carrier material used for compliance test samples.

Optional External Ballistic Carrier Materials

23. Indicate all optional carriers intended to be used for this specific armor model.

Additional Comments

24. Any additional comments the applicant believes are pertinent to the construction of the armor sample.