

Topic: Stop Points During Type Testing

The Compliance Testing Program (CTP) allows for three stop points during type testing:

1. Completion of perforation-backface signature (P-BFS) testing for new armor samples.
2. Completion of ballistic limit testing for new armor samples.
3. Completion of ballistic testing on conditioned armor samples.

Testing of new armor samples may be stopped after completion of P-BFS testing if the following conditions apply:

- If all P-BFS failures occur on only one size, the test may be stopped at the end of that test campaign and the results recorded. The body armor applicant may submit this construction for a new compliance test with another size boundary replacing the one that experienced the failure.
- If, on the second submission, a P-BFS failure occurs, the test result is recorded as a ballistics test failure. The body armor applicant may not request another attempt at defining the sizing boundaries for this construction and the construction design must be retired.
- If any P-BFS failures occur on both sizes, the type testing result is a ballistics test failure.

- The size boundaries must be the same for new and conditioned armor.

Testing of new armor samples may be stopped after completion of ballistic limit testing if the following condition applies:

- If there is a perforation at or below the reference velocity, the test result is a ballistics test failure.

Testing of the conditioned armor samples may be stopped on completion of P-BFS and ballistic limit testing.

- If a failure is experienced during the ballistic test portion of conditioned armor testing, the test result is a ballistic test failure.

The CTP strongly recommends the following testing sequence so that stop points may be used effectively:

- Perform P-BFS testing on new armor.
- Perform ballistic limit testing on new armor.
- Perform conditioning of armor.