



FEDERAL PUBLIC SERVICE
MJSP - FEDERAL POLICE
PLANNING AND CONTROL DIVISION - DPC/CGPLAM/DLOG/PF

ANNEX II
USABILITY TESTING

1. TYPE "A" TEST

1.1. Test type "A" is the BODY VEST FIT TEST. The purpose of this test is to check the fit of the vest to the federal police officer's body when standing or sitting in a static position or with movement of the upper and lower limbs and torso, or when performing the basic weapon and shooting positions (positions 1, 2, 3 and 4 shown in the attached assessment instrument):

1.2. Adjust the vest at neck level when the officer is standing still and/or seated, moving the upper limbs, lower limbs and torso freely or performing the basic weapon and shooting positions (positions 1, 2, 3 and 4).

1.3. Adjustment of the vest in the lateral/axillary region when the police officer is standing still and/or seated, moving the upper limbs, lower limbs and torso freely or performing the basic weapons and shooting positions (positions 1, 2, 3 and 4).

1.4. Adjustment of the vest in the shoulder area when the officer is standing still and/or sitting, moving upper limbs, lower limbs and torso freely or performing the basic positions of arming and shooting (positions 1, 2, 3 and 4).

1.5. Adjustment of the vest in the chest area when the officer is standing still and/or seated, moving the upper limbs, lower limbs and torso freely or performing the basic weapons and shooting positions (positions 1, 2, 3 and 4).

1.6. Adjustment of the vest in the waist area when the officer is standing still and/or sitting, moving the upper limbs, lower limbs and torso freely or performing the basic weapon and shooting positions (positions 1, 2, 3 and 4).

1.7. The total length of the vest when the police officer is standing still and/or seated, moving the upper limbs, lower limbs and torso freely or performing the basic weapon and shooting positions (positions 1, 2, 3 and 4).

2. TYPE "B" TEST

2.1. The aim of this test is to check the ability of federal police officers to perform typical tasks without restricting their joint range when wearing ballistic vests:

2.2. Drawing, simulating firing at a target in front with a pistol in a concealed holster and holstering a firearm.

- 2.3. Putting on, removing and adjusting shoes while wearing the vest.
- 2.4. Boarding a car in the front or rear seat, putting on a seat belt, accessing the car's dashboard controls, removing the seat belt and getting out of the car.

- 2.5. Carry out a personal search.

3. **ASSESSMENT PROCEDURES FOR THE CRITERIA OF VEST FIT AND FUNCTIONALITY (TYPE "A" AND "B" TESTS)**

- 3.1. The evaluation of the ballistic vest samples will be carried out by 10 (ten) Federal Police officers with at least four years of professional experience, chosen by the National Police Academy, who will carry out tests characterized by positioning and tasks typical of the police profession.

- 3.2. The samples supplied must indicate the height and/or body size for which the vest is appropriate. For example, vest size M is suitable for individuals between 1.70 m and 1.80 m in height.

- 3.3. Each activity related to Tests A and B will be carried out as many times as the police officer deems necessary to indicate the vest's score on the Likert Scale.

- 3.4. The material provided for the test must be unmarked by the manufacturer.

- 3.5. Other companies will be able to attend the tests that will be carried out on the samples, unless there is some unfortunate impediment of national/international commotion.

- 3.6. The procedures related to the tests will be led by the coordinators/teachers of the disciplines of the operational axis of the National Police Academy.

- 3.7. Two civil servants from the DPC/CGPLAM/DLOG/PF will be responsible for selecting the vest for the federal police officer/evaluator, according to the measurements sent by the company, based on their height and complexion.

- 3.8. The positions and tasks listed as tests will be scored according to the Likert scales below:

- 3.9. **Type "A" tests:**

- 3.10. Dresses very badly (1);

- 3.11. Dress poorly (2);

- 3.12. Regular (3);

- 3.13. Wears well (4); and

- 3.14. Wears very well (5).

- 3.15. **Type "B" test:**

- 3.16. Very difficult to execute (1);

- 3.17. Difficult to execute (2);

- 3.18. Indifferent to execution (3);

- 3.19. Easy to execute (4); and

- 3.20. Very easy to do (5).
- 3.21. The test mark (NT) will be the arithmetic mean of the marks awarded by the assessors for each of the type "A" and "B" tests. For example, the mark for test "A1" will be the arithmetic mean of the mark awarded by all the assessors for this item.
- 3.22. The vest's final score (NF) will be the arithmetic mean of all the NTs.
- 3.23. The vest will be disqualified if it scores less than 3.0 points in any of the type "A" or "B" tests or if it scores less than 3.5 points.
- 3.24. The evaluation forms that will be used are shown in Annex IV.



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