



FEDERAL PUBLIC SERVICE MJSP - FEDERAL POLICE
INNOVATION AND PROSPECTING SECTOR - DPC/CGPLAM/DLOG/PF

ANNEX II
USABILITY TEST

1. TYPE "A" TEST

1.1. The type "A" test is the SOLUTION FIT TEST (plate carrier vest + ballistic plates) TO THE BODY. 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 tool):

1.1.1. Adjustment of the solution at neck height when the police officer is standing still and/or seated, moving upper limbs, lower limbs and torso freely or performing the basic weapons and shooting positions (positions 1, 2, 3 and 4).

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

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

1.6. Total length of the solution when the police officer is standing still and/or seated, moving the upper limbs, lower limbs and torso freely or performing the basic positions of arming and shooting (positions 1, 2, 3 and 4).

2. TYPE "B" TEST

2.1. The aim of this test is to check the federal police officer's ability to perform typical tasks without restricting their joint range when wearing the solution:

2.1.1. Simulate firing in different firing positions and magazine changes at a target in front with a rifle.

2.2. Draw, simulate firing at a target in front, in different firing positions, and change the magazine at a target in front of the pistol while wearing an ostentatious PF-standard holster and holstering a firearm.

2.3. Put on, remove and adjust footwear wearing the plate carrier vest.

2.4. Boarding a vehicle in the front or rear seat, putting on a seatbelt, accessing the car's dashboard controls, removing the seatbelt and disembarking from

the vehicle.

2.5. Carry out a personal search.

2.6. Quickly/emergently uncouple the equipment using the Quick Release system.

3. ASSESSMENT PROCEDURES FOR THE PLATE CARRIER VEST FIT TO BODY AND FUNCTIONALITY CRITERIA (TYPE "A" AND "B" TESTS)

3. The evaluation of the 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.

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

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

3.3. 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.

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

3.5. Two civil servants assigned to 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.

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

3.7. Type "A" tests

3.8. Dresses very badly (1);

3.9. Wears badly (2);

3.10. Fair (3);

3.11. Wears well (4); and

3.12. Wears very well (5).

3.13. Type "B" test

3.14. Very difficult to perform (1);

3.15. Difficult to perform (2);

3.16. Indifferent to perform (3);

3.17. Easy to perform (4); and

3.18. Very easy to perform (5).

3.19. The test score (NT) will be the arithmetic mean of the scores given by the assessors to each of the type "A" and "B" tests. For example, the grade for test "A1" will be the arithmetic mean of the grade awarded by all the assessors for this item.

3.20. The plate carrier vest's final score (NF) will be the arithmetic mean of all the NTs.

3.21. The vest will be disqualified if it has an NT of less than 3.0 points in any of the type "A" or "B" tests or if it has an NF of less than 3.5 points.

3.22. The evaluation forms to be used are shown in Annex III.

ANNEX III
EVALUATOR'S FORM - VEST FIT TESTS AND FUNCTIONAL TESTS

Evaluator's registration Height Weight Length of service Plate Carrier Vest Size Date / /

Item	Fit	Wears very badly (1)	Fits badly (2)	Fair (3)	Fits well (4)	Fits very well (5)
A1	Adjustment of the solution (plate carrier vest+ ballistic plates) at neck height when the police officer is standing still and/or sitting, moving upper limbs, lower limbs and torso freely or performing the basic weapon and shooting positions (positions 1, 2, 3 and 4)					
A2	Adjustment of the solution (plate carrier vest+ ballistic plates) in the lateral/axillary region when the police officer is standing still and/or seated, moving upper limbs, lower limbs and torso freely or performing the basic weapon and shooting positions (positions 1, 2, 3 and 4).					
A3	Adjustment of the solution (plate carrier vest+ ballistic plates) in the shoulder area when the officer is standing still and/or seated, moving upper limbs, lower limbs and torso freely or performing the basic arming and shooting positions (positions 1, 2, 3 and 4)					
A4	Adjustment of the solution (plate carrier vest+ ballistic plates) in the chest area when the officer is standing still and/or seated, moving upper limbs, lower limbs and torso freely or performing the basic arming and shooting positions (positions 1, 2, 3 and 4)					
A5	Adjustment of the solution (plate carrier vest+ ballistic plates) in the waist 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)					
A6	Total length of the solution (vest plate carrier+ ballistic plates) when the police officer is standing still and/or seated, moving upper limbs, lower limbs and torso freely or performing the basic arming and shooting positions (positions 1, 2, 3 and 4)					

Item	Actions	Very difficult to perform (1)	Difficult to perform (2)	Fair (3)	Easy to perform (4)	Very easy to execute (5)
B1	Simulate firing in different firing positions and magazine changes at a target in front with a rifle.					
B2	Drawing, simulating firing in different firing positions and changing magazines on a target in front with a pistol wearing a standard PF ostentatious holster and holstering a firearm.					
B3	Put on, take off and adjust footwear wearing the plate carrier vest.					
B4	Boarding a vehicle in the front or rear seat, putting on a seat belt, accessing the car's dashboard controls, removing the seat belt and disembarking from the vehicle.					
B5	Carry out a personal search.					
B6	<i>Quickly</i> uncouple the equipment using the <i>Quick Release</i> system.					



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