

UDC 323. 4

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### **INCREASING THE EFFICIENCY OF SHOOTING OF GROUND BASED AIR DEFENCE DUE TO HIS LEARNING**

The training of the personnel of the unit is an important factor that affects the successful completion of the combat mission. To increase the training, improve the skills of the personnel of the unit and its control, the collections of standards for combat training for each anti-aircraft missile system (AAMS) of the Ground Based Air Defence (GBAD) are used [1].

The development of standards contributes to the improvement of techniques and methods of action on the battlefield, as the fastest mastery of personnel military equipment and weapons, reducing the time to bring them into combat readiness, as well as improving the coherence of the crew (unit) [2].

In addition, the development of standards allows commanders to organize competitions, to establish an objective and unified approach in determining the level of training of servicemen and the unit in general [3].

Coherence of the crew ultimately affects the effectiveness of firing of units. The results of the competitions for the best GBAD unit armed with the "Strela-10" AAMS, which were held in the period from 2018 to 2021, showed that the constant training of the crew in compliance with the standards led to almost in 1.5 times, which will reduce the time spent AAMS ( $t_{AAMS}$ ) on preliminary and direct preparation of shooting. As a result, in the duel situation PLANE-AAMS, the winner will be AAMS. Winning time is the key to the effectiveness of firing units.

Based on the results of the competitions, we can conclude that the coherence of the crew affects  $t_{AAMS}$ . Therefore, in real aircraft combat, the effectiveness of unit firing (AAMS) will be higher in a more prepared (trained) and coordinated crew. Such a crew in a duel with the air enemy will be the first to hit (destroy) the target and emerge victorious.

#### **References**

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