



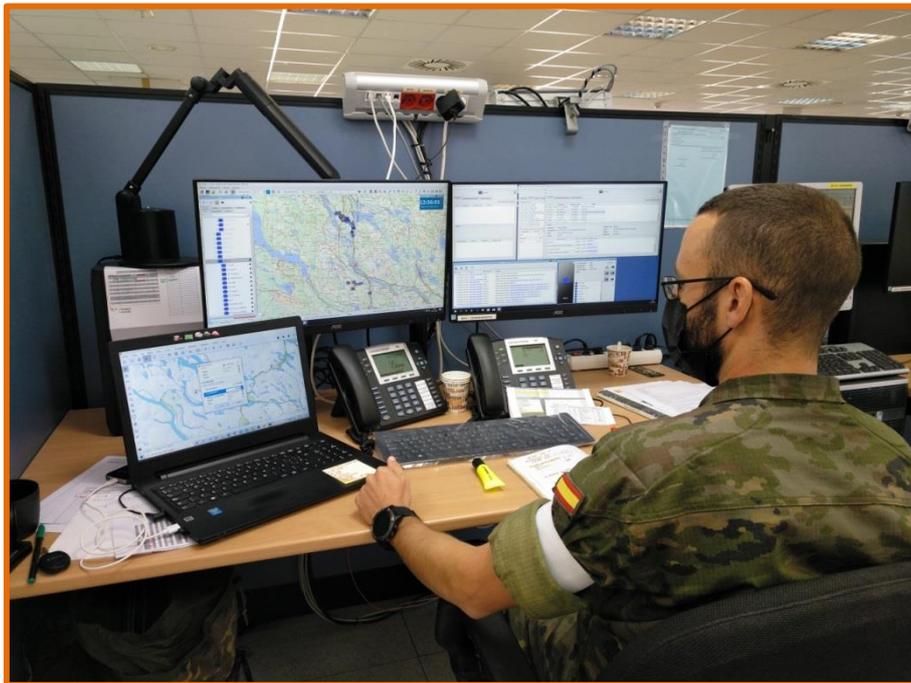
## BRIGADE LEVEL EXERCISE IN ZARAGOZA, SPAIN

### The Spanish army executes TORO 20, their first major exercise with SWORD

A year ago the Spanish army acquired MASA SWORD, complete with an on-site training program. Their first objective was to fully customize SWORD to meet Spanish military requirements.

By December 2019, SWORD had been installed, and military personnel fully-trained, in particular those at the San Gregorio Training Center in Zaragoza (CENAD SG).

By May 2020, they had adapted and translated the database, created units, and prepared the required sub-systems (CIS, Personnel, and Hardware). The latter, when combined with SWORD, produces the new Constructive Simulation System of the Spanish army, named MINERVA.



To evaluate and assess the characteristics of this new system four experimental exercises were planned: three at battalion level, and a fourth at brigade level.

From June to September the three battalion level exercises were conducted, whose purpose was to test and review the system and its capabilities, as well as providing an opportunity to suggest improvements to MASA.

MASA worked in close collaboration with the Spanish army during the preparation and evaluation of these exercises, using their vast experience and expertise to optimize the system.

To complete the experimental phase, a brigade level exercise was executed. The brigade that performed the CPX/CAX exercise with MINERVA/SWORD was an integral part of TORO 20, the most significant exercise undertaken by the Spanish army in 2020.

MASA was heavily involved in the development of TORO 20, which proved fundamental to its success, and invaluable to the Spanish Army, with a large part of the staff from various departments contributing, constantly making themselves available to the army, ensuring the optimal execution of the exercise, and providing support for the Spanish technical personnel at every turn.



The exercise took place from 19 to 27 October at the CENAD SG facility in Zaragoza. For the entire nine days, SWORD ran smoothly, without interruption, functioning in a perfectly correct and stable manner, training the brigade's Command Post, and thereby attaining the objectives of the exercise.

MINERVA/SWORD simulation software has now been implemented for the training of Command Posts at battalion and brigade levels. It has been confirmed that the Spanish army intends to deploy SWORD at other command levels in the near future.

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