



100/40, 100/76, 100/127

NAVAL GUN FIRE CONTROL SYSTEM

#NavalSystems



The Naval Gun Fire Control System has been developed to provide effective fire control and to deliver gun orders for the naval guns with different calibers including 40mm, 76mm, 127 mm.



aselsan



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TAKS receives target data and performs ballistic calculations to produce accurate gun orders for both surface and air targets.

TAKS provides open architecture interfaces to communicate with combat and navigation systems via combat/navigation network of the platform. TAKS provides capability to control the Gun by Combat Management System Operator Consoles or by Target Designator System in the case of an emergency by means of Gun Emergency Control Unit.

TAKS can be easily integrated with the Combat Management System as well as with the sensors of the platform.

System Specifications

- Combat management system integration
- Variety of communication interfaces (RS422, Ethernet, Synchro, Discrete etc.) depending on platform requirements
- Time synchronization
- Target position and velocity estimation
- Ballistic calculation
- Predicted hit point calculation
- Forbidden zone management
- Airspace coordination area management
- Crest control
- Correction management
- Direct, throw-off, barrage, bracket and illumination engagement method support
- Meteorological correction
- Hit probability calculation
- Gun stabilization
- Built-in test and monitoring
- Built-in gun emulation for training
- Muzzle velocity radar
- Environmental conditions qualified for MIL-STD-810
- UPS support for uninterrupted operations



Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.

SST - TAKS 100 - 05.2025