

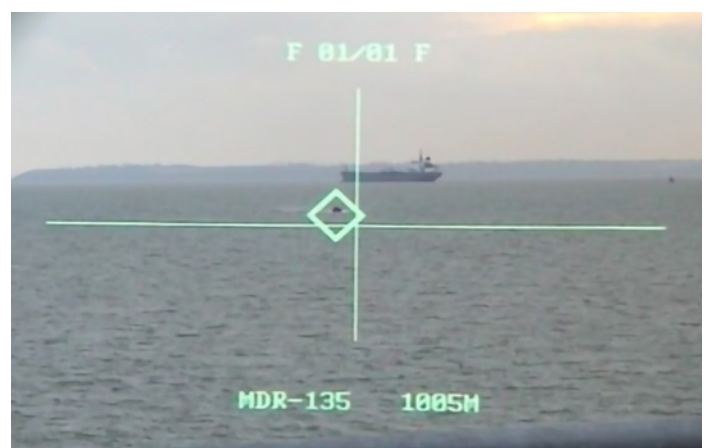
POINTER-T

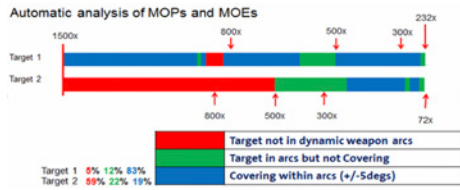
Close combat training system



The tactical training system to develop defensive gunnery skills against close-in FIAC attacks and swarm threats

- Optimises co-ordination of response and reaction times when countering close range asymmetric assault
- Instils effective tactical implementation of Command and Control, manoeuvre, Threat Evaluation and Weapon Assignment (TEWA)
- Rules of Engagement (ROE)
- Improves training outcomes through exercise replay, tactical visualisation and automatic performance measurement to reinforce tactical training
- Cost-effective - Provides organic training capability using ships' sea boats with minimal integration cost
- Ensures crew proficiency before live-firing, maximising value of range access and minimising ammunition wastage





Automatic gunnery performance analysis

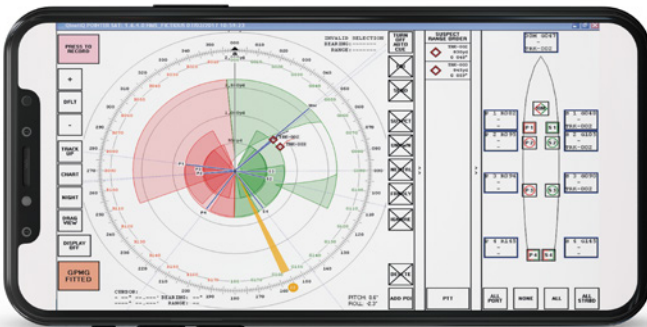


Gunner's sight



Sea Boat acting as target

Uncrewed Target



Commander's SA /C2 Terminal



Pointer Tracker
+ Laser Receiver
+ Radio Link

Combat-ready crews need an effective tactical training system to develop defensive skills against close-in FIAC attacks and swarm threats. QinetiQ has developed POINTER-T to provide this training assurance.

POINTER-T is the dedicated close combat training variant of the POINTER Networked Gunnery Direction System. It delivers combat readiness through effective implementation of defensive tactics when countering the threat of asymmetric assault at close range.

Used by the Royal Navy to investigate improved command and control in response to close range single and swarm attacks, POINTER-T training optimises crew co-ordination and improves reaction times, target prioritisation and weapons allocation, and has influenced the doctrine for tactical vessel manoeuvring against asymmetric threats. The system is now an integral service feature in the Royal Navy's Flag Officer Sea Training.

- Instils effective tactical implementation of Command and Control, co-ordinated close combat gunnery
- Improves confidence in target prioritisation and weapon allocation, and ensures efficient and effective use of small calibre weapons against multiple targets
- Improves awareness of weapon capabilities and limitations to maximise response effectiveness and minimise premature ammunition expenditure
- Cost-effective laser training ensures crews are proficient before undertaking expensive live-firing serials
- Improves training outcomes through scenario visualisation, automatic performance measurement and extensive replay and debrief tools, to reinforce tactical training

The system provides a fully networked training solution to maximise situational awareness of close range surface threats, weapon disposition, target allocation and hit measurement. It features full replay and debriefing tools and automatic performance analysis to deliver the best possible training outcomes.

POINTER-T connects 'crew-served' close-range weapon mounts to the commander's display to provide real-time status of weapon azimuth and dynamic limitations in both arc and range.

Dedicated target or ships' sea boats used in the training exercise are simply fitted with POINTER Tracker Units which broadcast target positions across a radio link to the POINTER Commander's display, replicating tracks that would otherwise be provided by the ships' sensors. In this way, POINTER-T can be employed in a stand-alone or walk-on role without any integration to the ship's sensors. Laser firing allows ships' own sea boats to be used as targets to provide a vessel with organic training capability. The system will record all 'hits' and 'misses', firings in and out of effective range, ammunition expenditure and assess target damage to provide comprehensive performance feedback and debriefing.

When used with dedicated targets, POINTER-T laser-based training will bring crews to proficiency before transition to live-fire training, minimising wastage through unprepared crews taking range time, and expending ammunition outside of effective firing arcs.

POINTER-T raises the training utility of expensive live-firing serials and preserves target life, making it the cost-effective training solution.

QinetiQ is always on your side, protecting, improving and advancing your vital interests

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