



# NEWS RELEASE

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## **Factsheet - Unmanned Surface Vessels (USV)**

17 May 2005

Unmanned systems technology is a key enabler in the transformation to the 3rd Generation SAF, and the RSN is exploring the capabilities of unmanned surface vessels (USV). USVs are controlled remotely from the mother ship and can perform a range of functions, including force protection, surveillance, and anti-submarine warfare, depending on their configuration.

### **Protector**

The RSN has acquired a small number of Protector USVs, a commercial off-the-shelf system. The Protector was fielded to meet an operational requirement when the RSN deployed in the Arabian Gulf for Operation Iraqi Freedom recently. The Protector, being remotely controlled, offers enhanced surveillance, identification and interception capabilities while reducing risks to personnel in an operational environment.

### **PROTECTOR**

Type : Unmanned Surface Vessel

Displacement : 4 tons

Dimensions : L 9.5m, W 3.5m, H 4.5m

Mini Typhoon Stabilised Gun

Toplite electro-optical pod

Water jet propulsion

Spartan Scout

The RSN is also participating in a collaboration programme with the US Navy to develop the Spartan Scout USV and concepts for its operation. The Spartan Advanced Concept Technology Demonstration (ACTD) programme started in 2002. The Spartan USV is modular and can be configured for Intelligence, Surveillance and Reconnaissance, Mine Countermeasure, Anti-surface Warfare, and Anti-Submarine Warfare roles. The RSN will commence testing the Spartan in local waters this year.

SPARTAN SCOUT Advanced Concept Technology Demonstrator (ACTD)

Type : Unmanned Surface Vessel

Displacement : 2 tons

Dimensions : L 7.0m, W 3.0m, H 4.5m

Modular; can be configured for Intelligence, Surveillance & Reconnaissance, Mine Countermeasure or Anti-submarine Warfare



SPARTAN SCOUT Advanced Concept Technology Demonstrator (ACTD)



PROTECTOR

National Archives of Singapore