Australian Government
Department of Defence
Science and Technology

Synthetic Human-in-the-loop Operations Research Environment (SHORE)

SHORE is a Human-in-the-loop simulation system developed by DST Group. SHORE operates as both an exploratory and validation tool within an overarching operations analysis process that includes constructive simulations. Originally developed to support Project AIR 7000, SHORE now supports broader aerospace surveillance modelling.

Operational concept

A distributed, real time, reconfigurable, desktop, Human-in-the-loop simulation system that supports:

- the investigation of tactics
- CONOPS development
- capability assessment, for current and future maritime surveillance capabilities

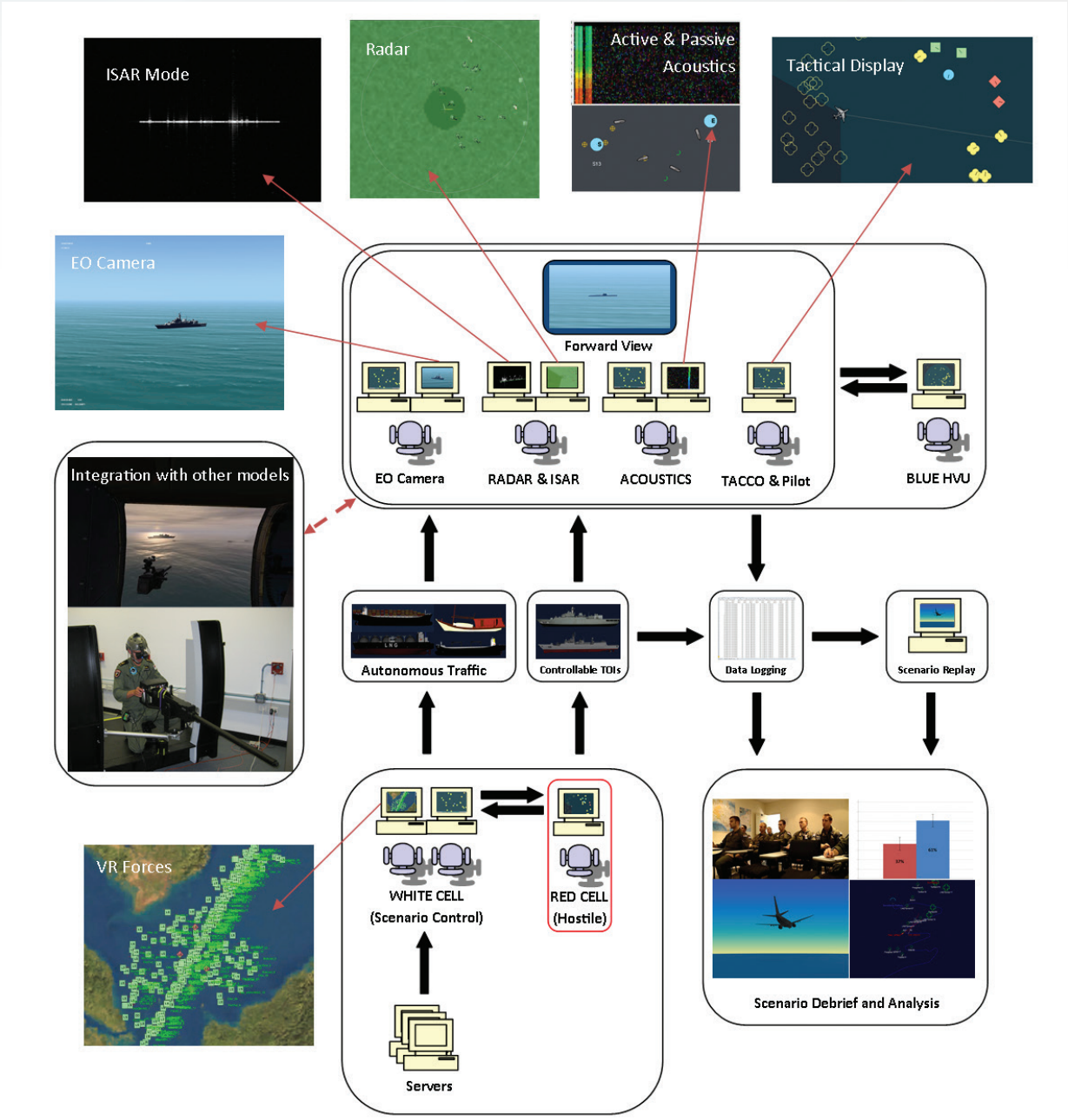
Utilisation

SHORE has been used to:

- compare the capability of the P-8A and Global Hawk UAV against the AP-3C in a Operation RESOLUTE surface surveillance role
- identify the operational impact of system features for the P-8A in an Operation GATEWAY surface surveillance mission
- explore the employment of multi-static acoustics for anti-submarine warfare
- explore the ability of the MH-60R to maintain a surface picture while tracking a submerged target
- investigate MH-60R ability to provide surveillance and engagement support to a surface ship choke point transit

SHORE configuration

The use of a distributed architecture together with a standardised integration framework enables the use of commercial software. This provides a high level of flexibility and adaptability, ensuring that capability can be easily added or removed.



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