

# AN ANALYSIS OF THE CLOSE-IN WEAPON SYSTEM (CWIS) READY BASED SPARING PROGRAM



A self-contained package, the Phalanx® weapon system automatically detects, evaluates, tracks, engages and performs kill assessment against anti-ship missiles and high-speed aircraft threats



The Phalanx® weapon system protects U.S. forces from rocket, artillery and mortar threats by providing early warning of attacks, and detecting and destroying incoming rounds.



The land-based Phalanx® weapon system is a revolutionary approach to countering insurgent activities by intercepting rockets, artillery and mortar rounds in the air before impact

## Research Question

Does another model (other than the Tiger ACIM model) applied to the Navy CWIS RBS improve performance and readiness throughout the fleet?



## “Having the right part, at the right quantity, at the right time”

**Operational Availability:** The probability that a system is ready to perform its specified function, in its specified operational environment, when called for at a random point in time.

**Sparing to Readiness:** The process of achieving a payoff with the most effective utilization of resources. RBS models take into account system fault tolerance, requisition response times and parts cost that demand based models do not consider.

## How the Various RBS Tools Relate

