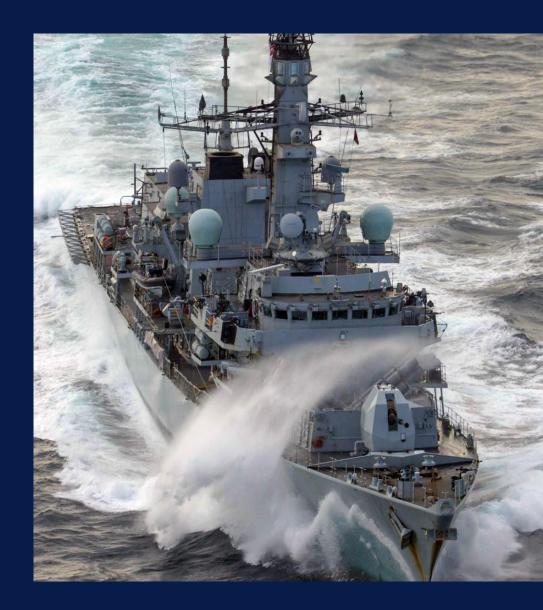


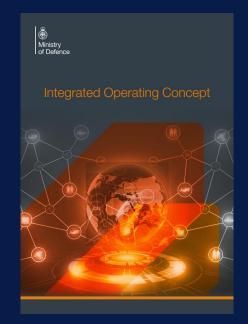
Scope

- Context
- System of Systems Approach
- Capability Requirements
- Capability Vision
- Problem Set
- Initial Roadmap
- Roadmap Development



Context

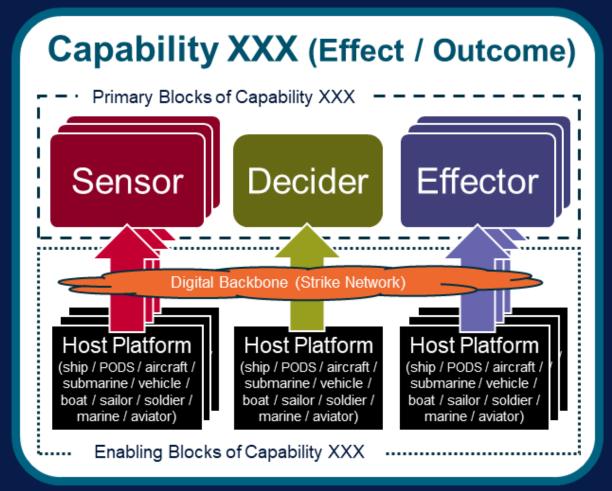
- Defining features of the future security environment:
 - Global competition
 - Climate change
 - Technology proliferation
 - Affordability
 - Demographic shifts
- MarOpC Themes:
 - Becoming a Distributed Protean Force
 - Executing the Wise Pivot
 - Adopting a System of Systems approach





System Of Systems Approach (SOSA)

- Surface Platform Capability
 - Float
 - Move
 - Host
 - Survive



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Surface Platform Capability Requirements

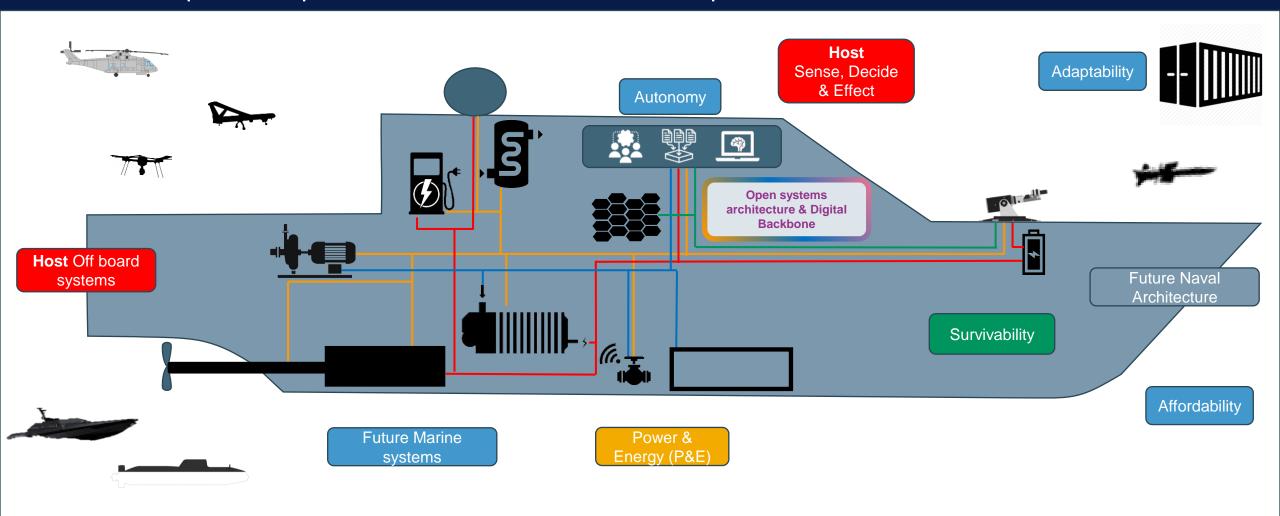
Based on IOpC, MarOpC, RN CMS, Above Water Battlespace Vision

- System of Systems Approach
- Host:
 - Sense, Decide, Effect
 - Off board platforms
- Power & Energy
- Survivability
- Adaptability
- Autonomy
- Availability
- Affordability



Surface Platform Capability Vision

Based on IOpC, MarOpC, RN CMS, Above Water Battlespace Vision



Problem Set

- Platform Surface Capability Problem Set

 A. Capability Architecture, Organisation and Management

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- Capability Architecture, Organisation & Management
- Power & Energy
- Survivability
- Naval Architecture Future Hull, Structure & Materials
- Autonomy Enablers and Future Marine Systems

Lettorm Burtace Capebility - Problem Set

. Power & Energy (Incl thermal)

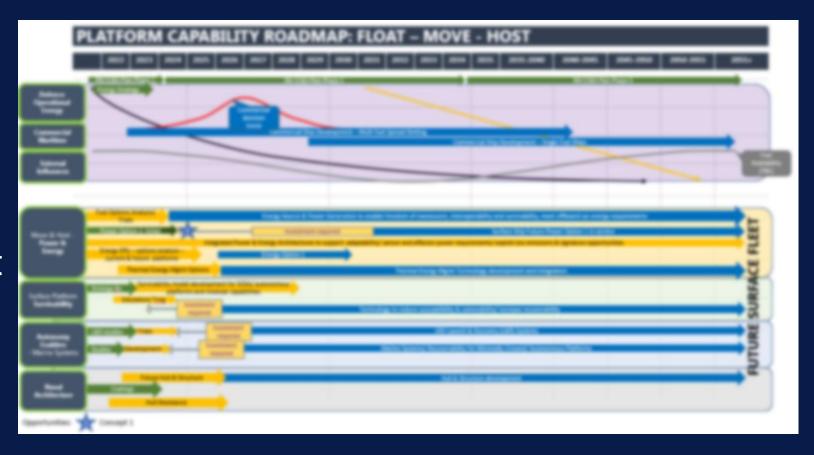
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- Across:
 - Platform's own systems
 - On board SOSA host (Sense/ Decide/ Effect incl modular/ people)
 - Off board SOSA host (host another platform)

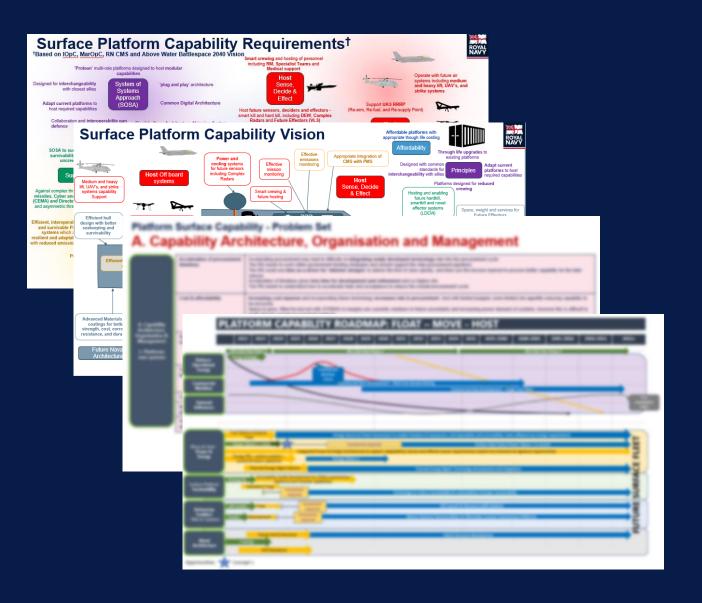
Initial Roadmap

- Platform Timeline
- Context
- Decision Points
- Research, Development
 & Experimentation
- Concept Cards
- Opportunities



Roadmap Development

- Capability Planning Working Group
- Industry
- International







Surface Platform Capability Roadmap

Cdr Francis Griffiths RN







OFFICIAL May 2023