

# Surface Fleet Disaggregation; Sense, Decide and Effect

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Combined Naval Event – 22<sup>nd</sup> May 2024

#### What the future Security environment means to the maritime domain



- State level competition
- Technology proliferation
- Affordability
- Climate Change
- Demographic change

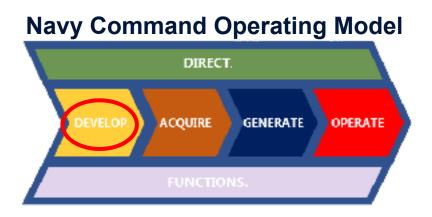




## Navy Develop's Purpose



Collaborate with partners to design the right Navy to meet defence and naval policies and strategies, and launch the right change projects to deliver that Design.

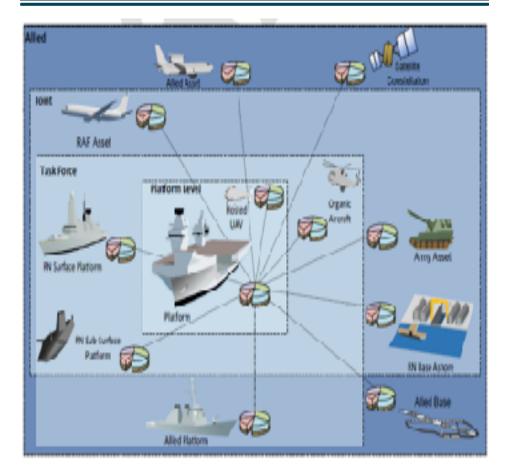


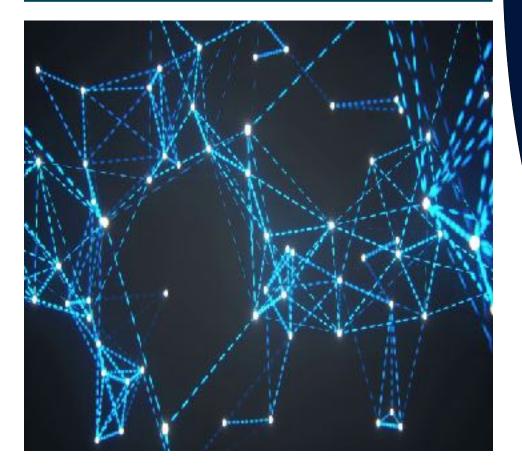
**MarOpC** – The implications of becoming a protean Navy, and taking a systems of systems approach – disaggregation of sense / decide / effect, and the requirement for StrikeNet

# Move away from Directional Command



## Self-healing integrated network of hosts each with decide abilities





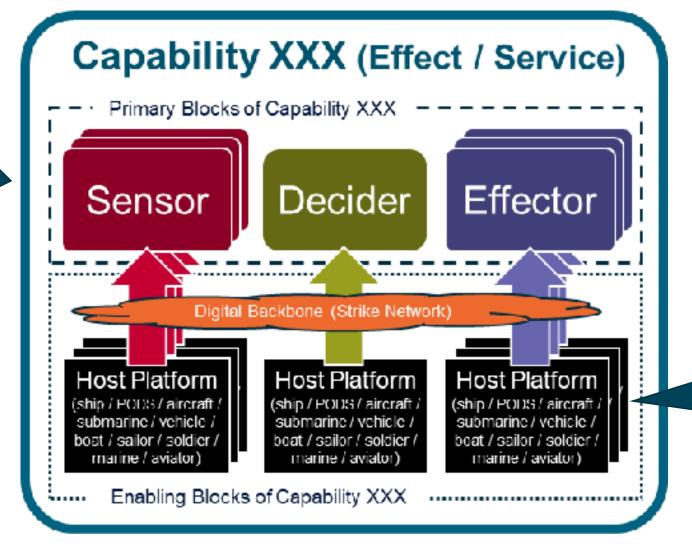


# Standardising how we describe Capabilities - the Capability Model



A capability model that will enable us to standardise the description of 90%+ of the Defence's capabilities.

It's a model though, so won't be perfect or able to fully describe all we do.



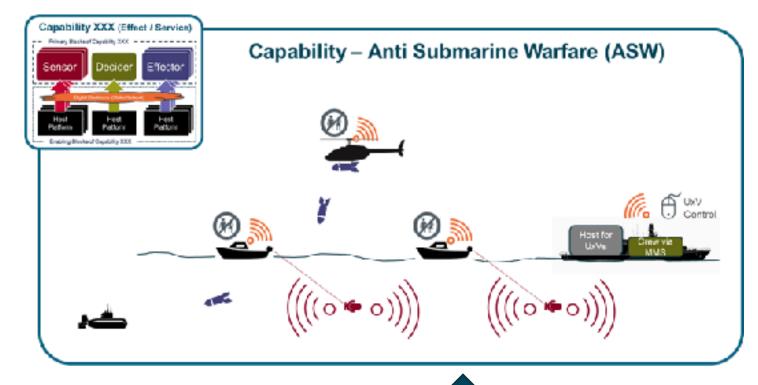
The capability may be fully hosted on one platform, or have its blocks spread across multiple platforms

## **Navy Systems of Systems Approach**

Using SOSA to design and procure the future Navy, based around the capabilities we need

Surface Strike, Air Defence, Anti Submarine Warfare, Indirect Fires, Logistics Resupply, Theatre Entry, Mine Warfare, Cyber Offense, Land Strike, etc







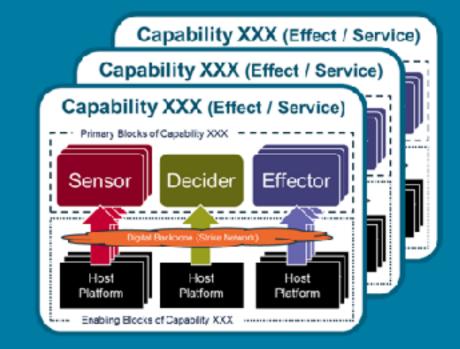
We're changing from platform primacy to

capability primacy

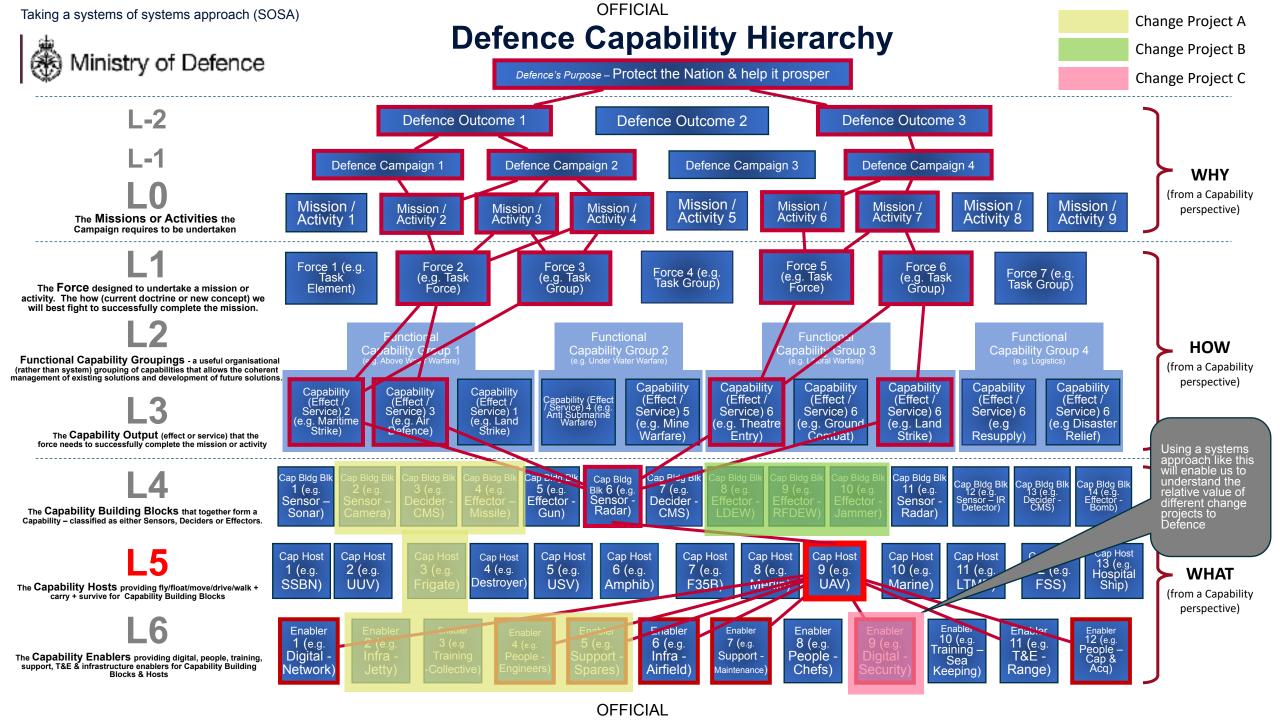
#### Military Mission AAA

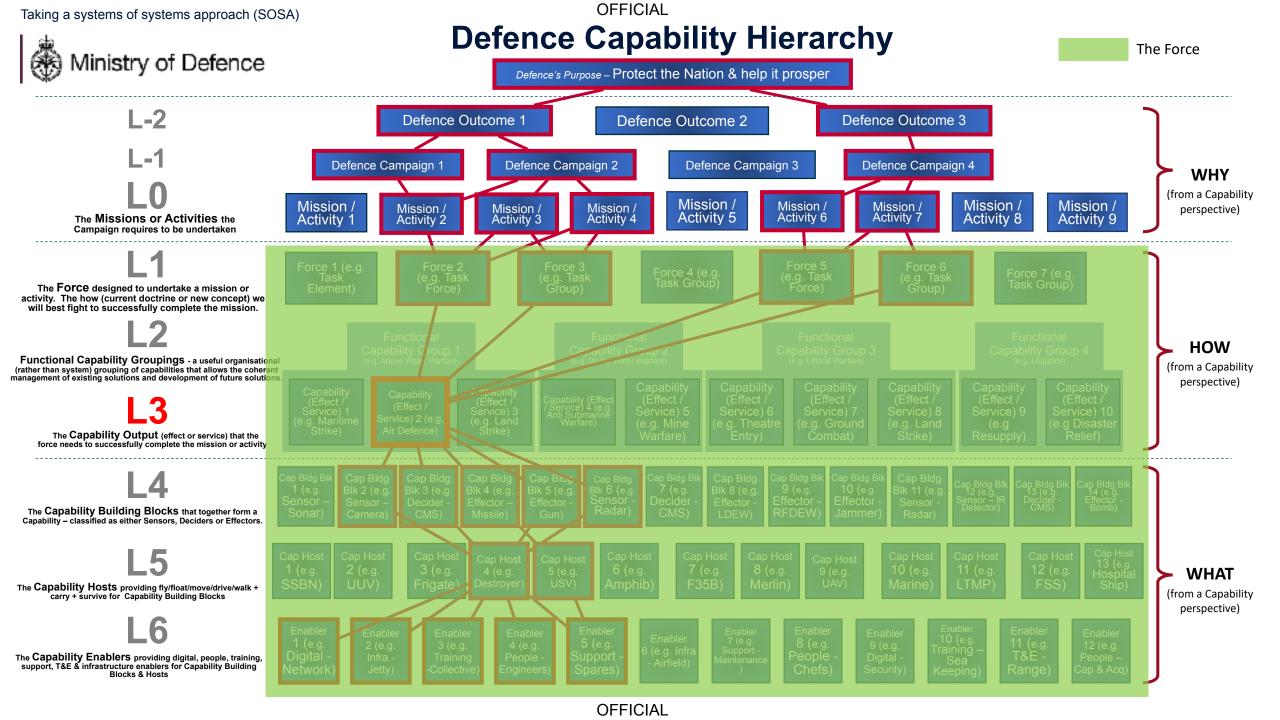
(Objective 123, Threat 234, Geographic Location 345, Allies 456. Season 567, Political Climate 678, etc.)

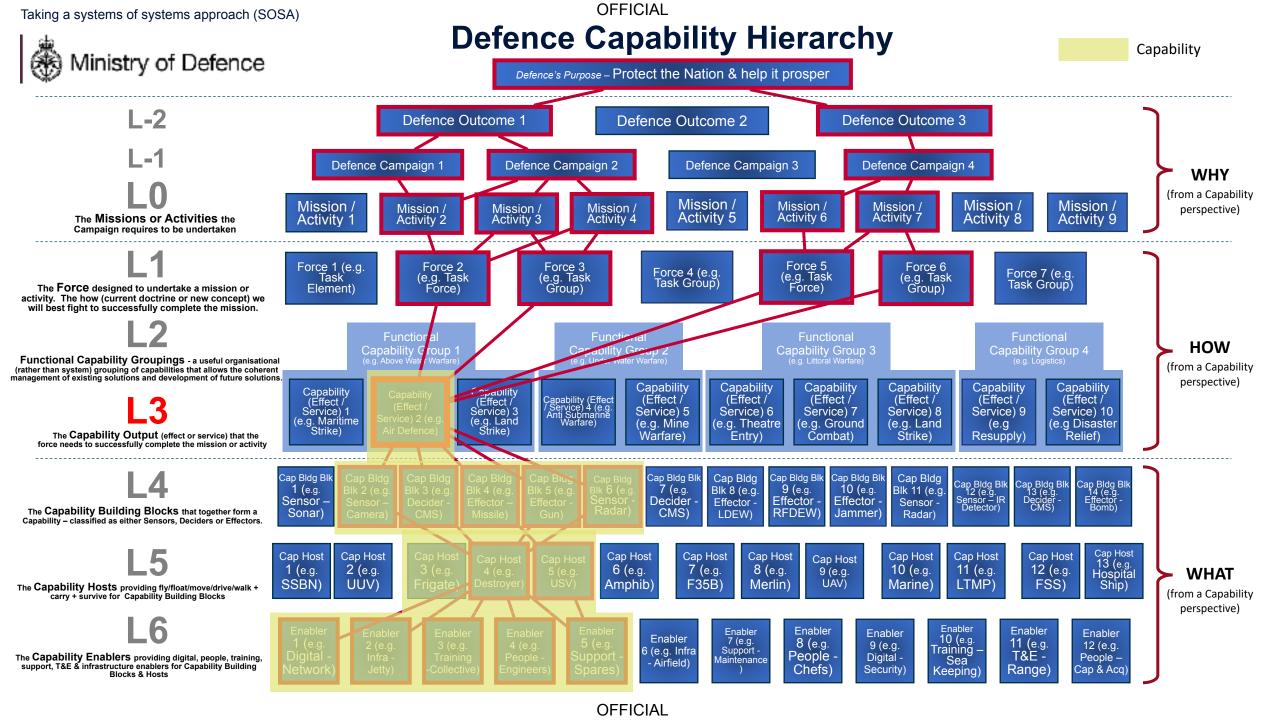
> The Force to successfully undertake the Mission - how we will fight

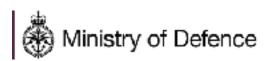


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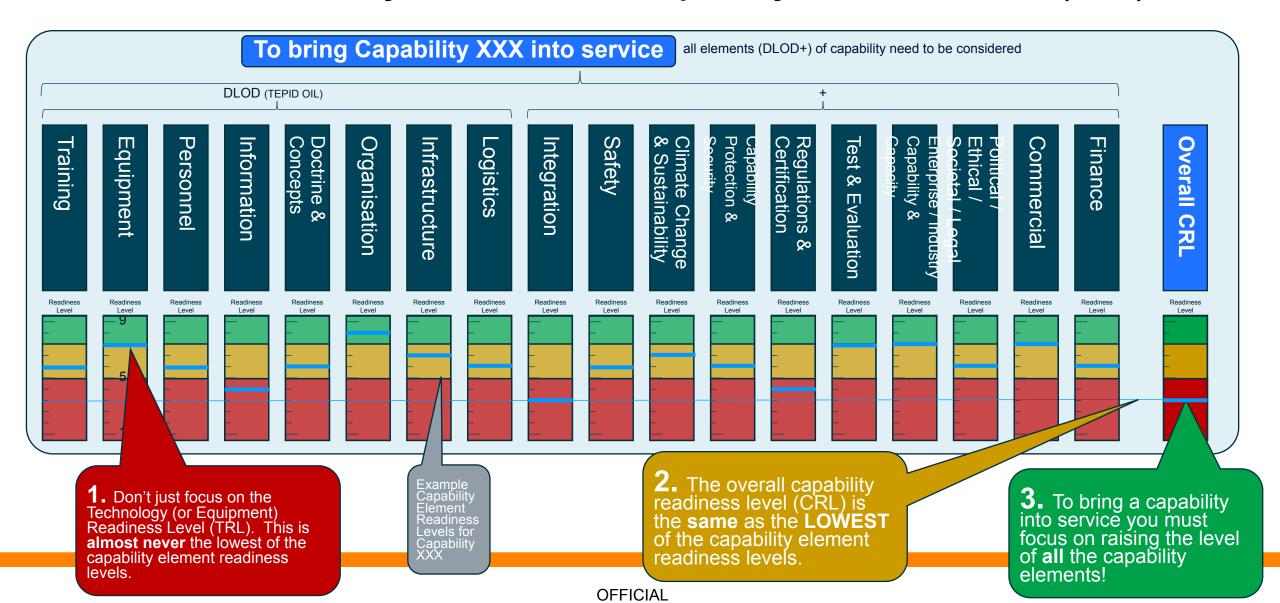






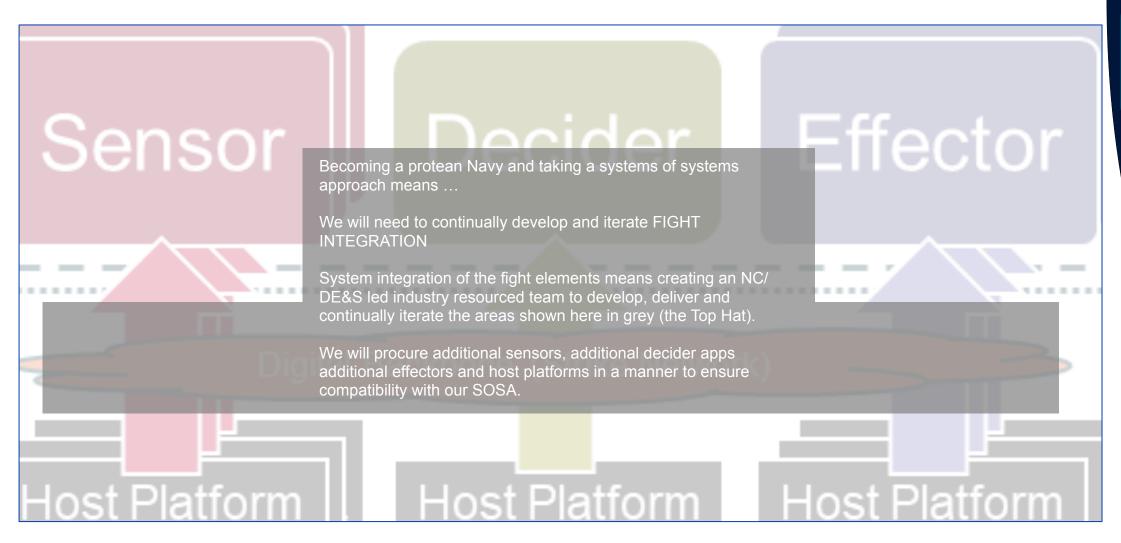


# To bring a new capability into service, avoiding the valley of death, think Capability Readiness Level (CRL)!



SOSA v0.2 OFFICIAL

### Continually developing and iterating FIGHT INTEGRATION

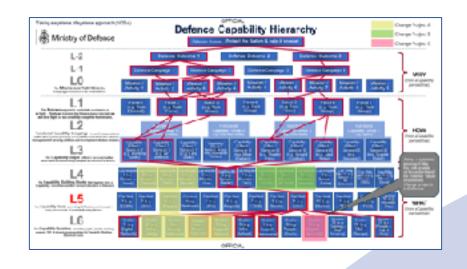






#### In summary ...

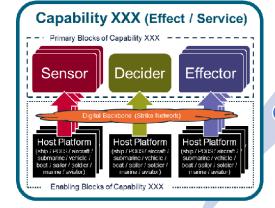




Any sensor, right decider, best

effector

From a fleet of platforms to 10,000 nodes on a strike network



Disaggregation of sense/decide/effect

Protean Navy and taking a Systems of Systems Approach -MarOpC

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