

# Royal New Zealand Navy Overview, Technology & Opportunities 2023 Defence Leaders

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# Scope

- RNZN and the New Zealand Context
- Capabilities and Technology
- The Future and Opportunities

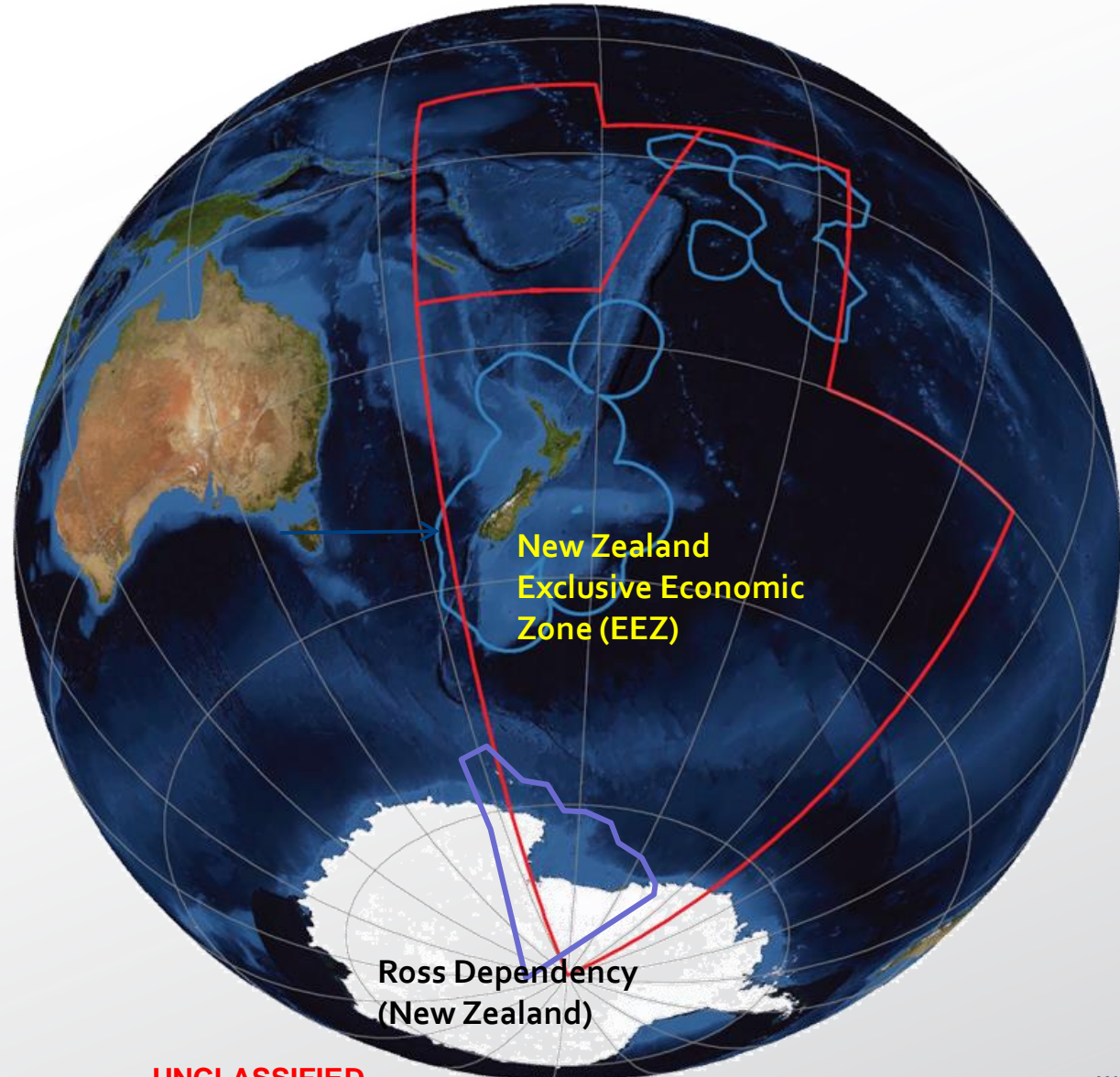


# Our Area of Responsibility

Fourth largest EEZ.  
15 times the size of New Zealand's landmass.

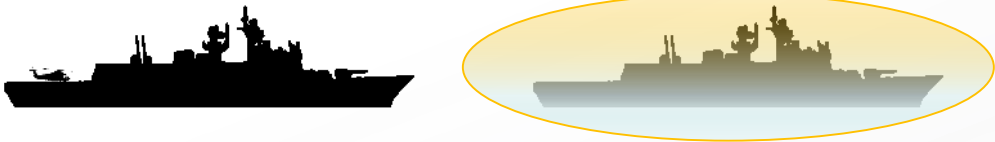
15,000 km coastline.

Largest Search and Rescue region in the world, with more than 10,000 commercial vessels transiting annually.



# Our Navy

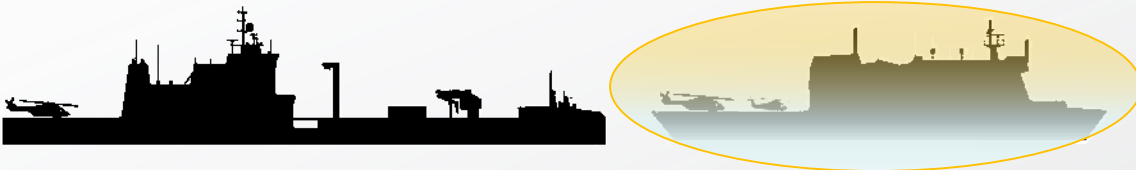
## Naval Combat Force



## Naval Patrol Force

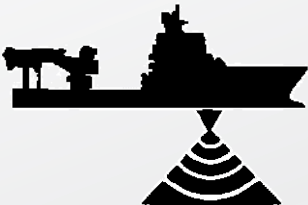


## Naval Support Force



## Naval Littoral Force

- Dive & Hydrographic Support Vessel
- Expeditionary Reconnaissance
- Mine Countermeasures
- Maritime Explosive Ordnance Disposal
- Survey, Search, & Recovery



# Wins

- Frigate Upgrade
- HMNZS MANAWANUI
- HMNZS AOTEAROA
- HMNZS MATATAUA- Remus 300, Mantis, Littoral Manouvre Craft
- Loitering Munitions
- VR – Ship familiarization



# Maritime Sustainment Capability



**Helicopter**  
Hangar and Flight deck for NH90



**Role-1 Medical**  
2 berth ward and treatment room



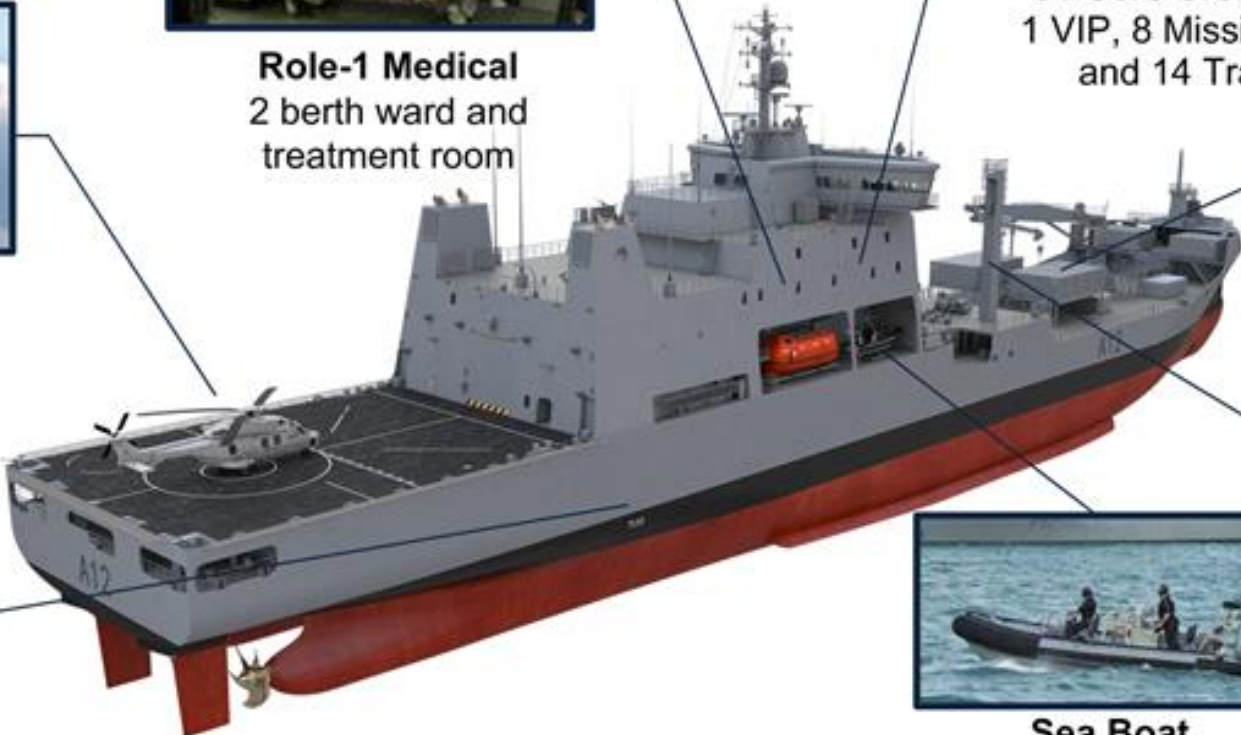
**Accom for 98**  
64 Core Crew, 11 Flight  
1 VIP, 8 Mission Teams  
and 14 Trainees



**12 Containers**  
12 standard 20ft, of  
which four can store bulk  
ammunition



**Fresh Water**  
Cargo & production



**Sea Boat**  
Two Rigid Hulled  
Inflatable Boats (J3)



**Underway Replenishment**  
Two refuelling systems  
interoperable  
with allies

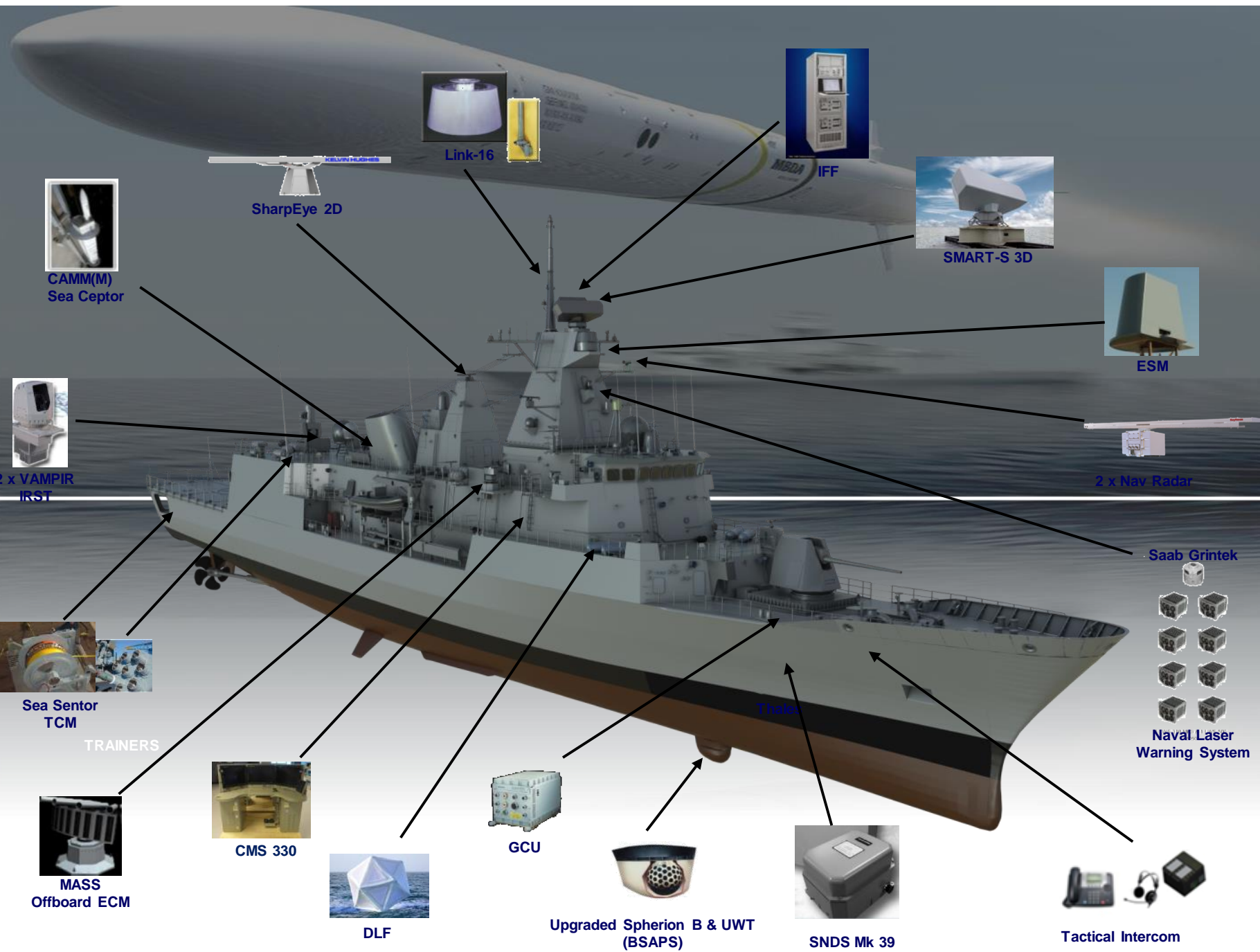


# Frigate Systems Upgrade

- HMNZS TE KAHA
- HMNZS TE MANA
- CMS 330
- Sea Ceptor
- SMART S



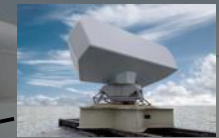




Link-16



IFF



SMART-S 3D



ESM



2 x Nav Radar

Saab Grintek



Naval Laser Warning System



CAMM(M)  
Sea Ceptor



SharpEye 2D



2 x VAMPIR  
IRST



Sea Sentor  
TCM

TRAINERS



MASS  
Offboard ECM



CMS 330



DLF



GCU



Upgraded Spherion B & UWT  
(BSAPS)



SNDS Mk 39



Tactical Intercom

# Littoral Manoeuvre Craft

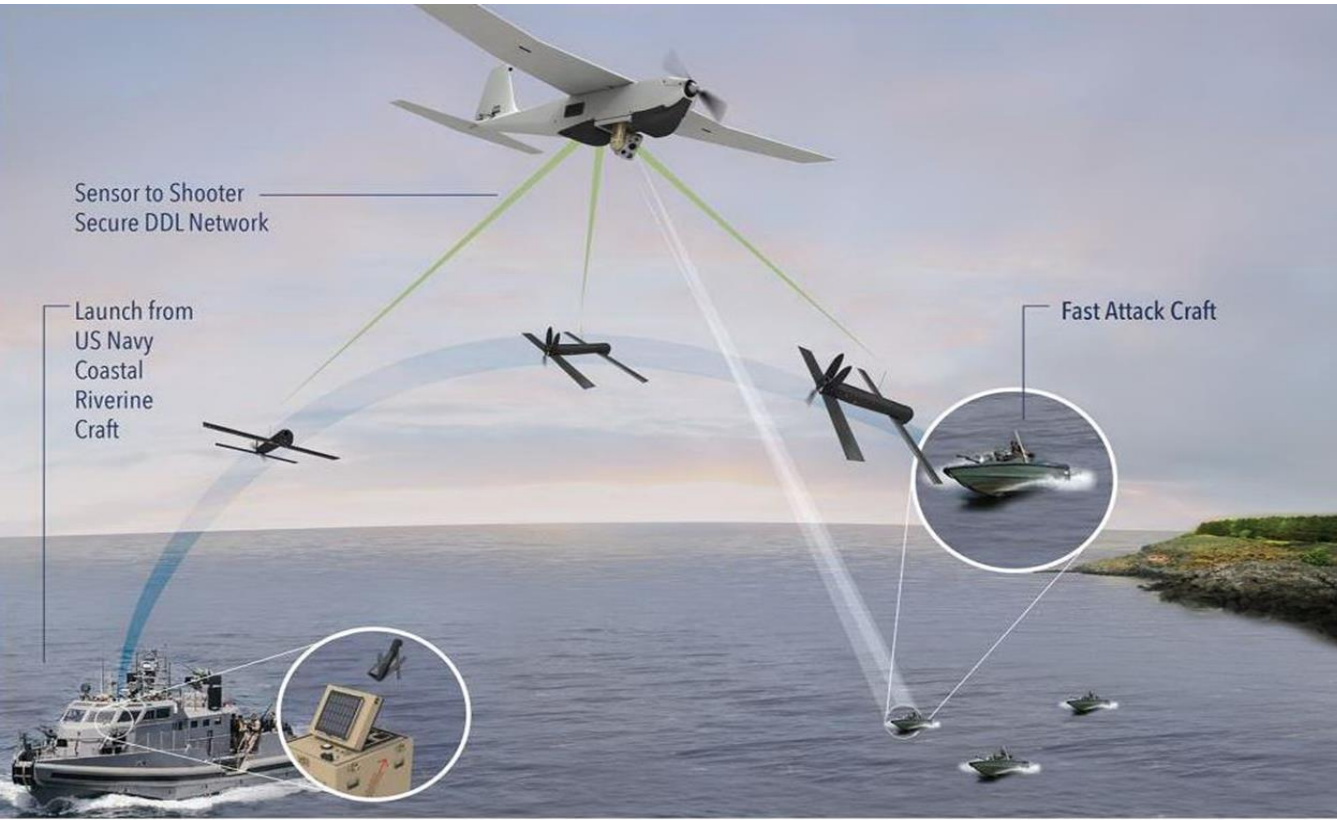


- 3 vessels
- HDPE construction
- Launch of UUV – REMUS 300

# Naval Experimentation



# UAS Loitering Munitions & Mantis



# Future Opportunities and Force Studies

- Excited by the way technology is shaping how naval effects are delivered
- Commonality of design
- Modularity
- Training partnerships

# Challenges

- Size and depth
- Being selective
- Never being first
- Workforce design
- Workforce Expectations
- Ensuring Cohesion



# MARITIME FUTURE FORCE STRUCTURE STUDY

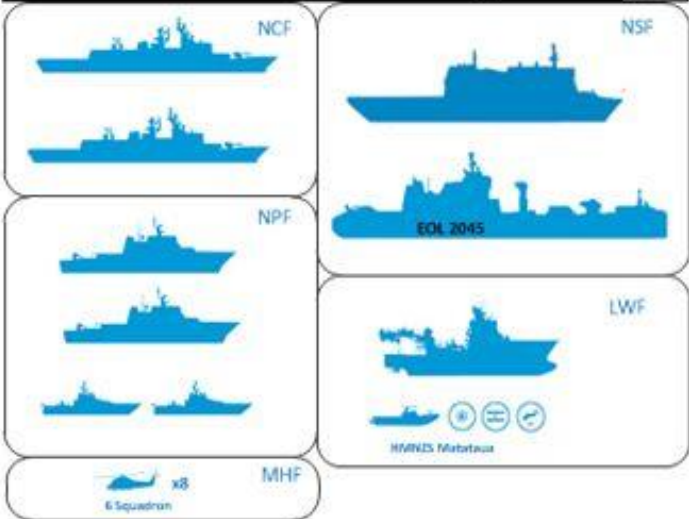
To transition to an integrated and contemporary Navy

LOT Challenge



KEY: Existing Platforms (Blue), New Platforms (exemplars) (Black)

## Force-In-Being



- Fleet consists of nine vessels of six different Classes
- Limitations of many "Single-shot" capabilities

## OUR OPPORTUNITY

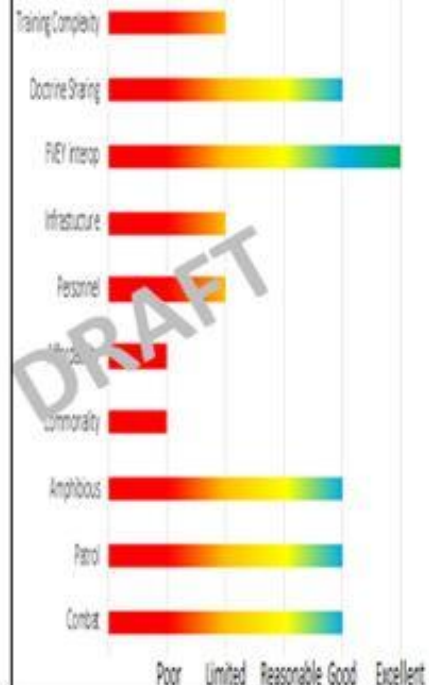
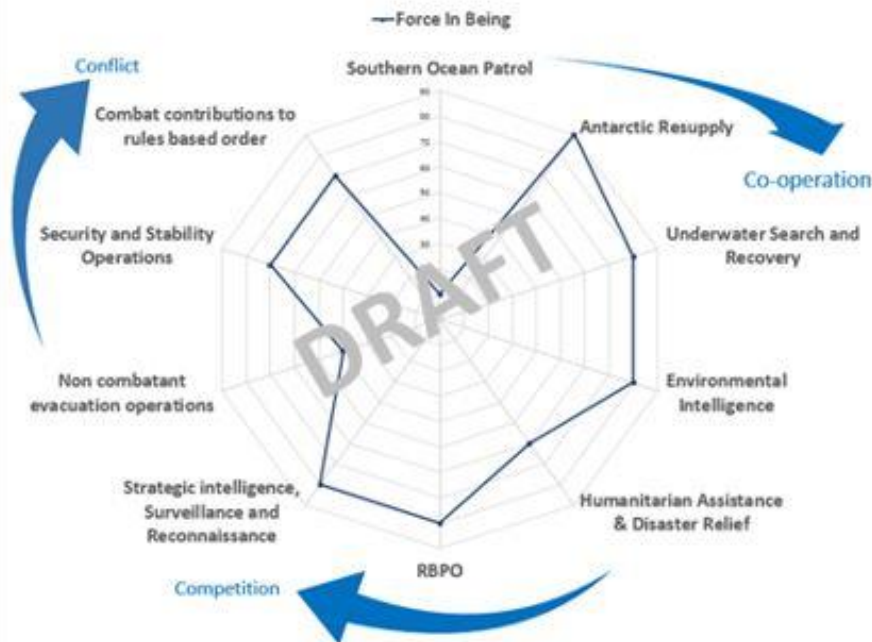
Providing the Government of New Zealand with viable and affordable options by investigating:

- Procurement approaches to smooth the replacement challenge and improve sustainment
- Platform and system commonality opportunities
- Technical viability for modularity options.
- Future Force Workforce implications / opportunities.
- The influence of distributed maritime operations doctrine in partner nations.

STUDY AIMS

## Performance

### Maritime Mission/Task Assessment Diagram



## Supportability

Key Issues:

- "Parent navy" responsibility for diverse fleet
- High overhead from a logistics and support perspective.
- Limited potential for commonality of platforms

## Workforce



## Financials



# Naval Aviation

RW replacement

Complimentary ship based RPAS

RFI Issued within the last month





# Any Questions?

