

## **TDL Interoperability Summit**

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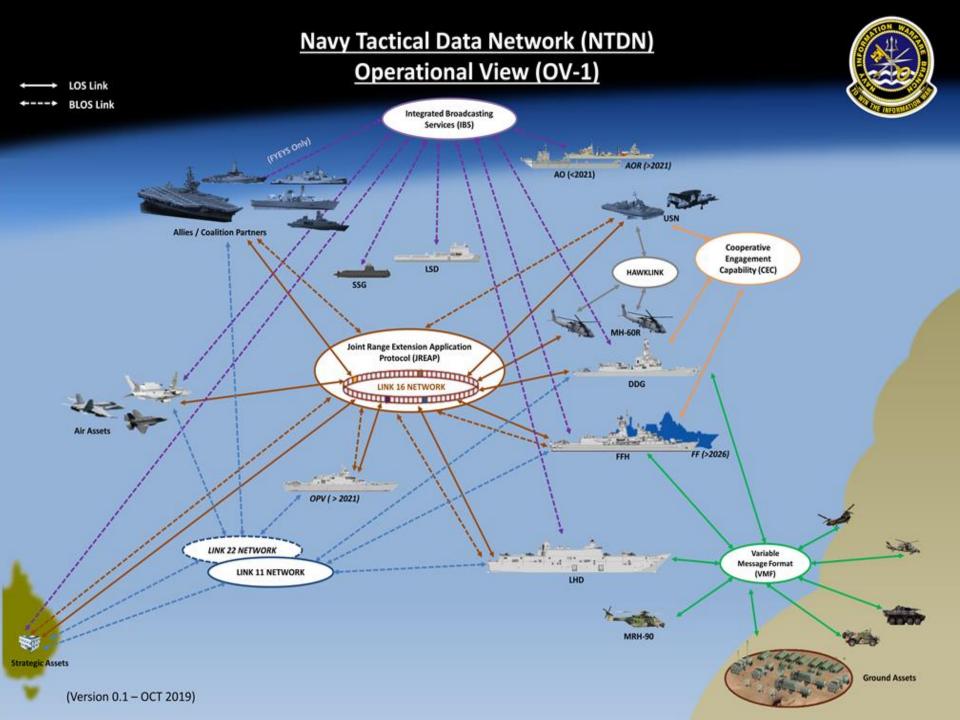
NAVY VALUES

## Interoperability

- Operating Environment
- Agility
- Combat Management System Enterprise
- Evergreen Approach
- Future
- Industry







## **Operating Environment**

- South West Pacific / South East Asia / Indian Ocean
  - Great power competition
  - Congested and contested
  - Complex maritime environment
  - Maritime Task Group, Joint Task Force, Coalition





# Agility

- Adaptive
  - Changes in threat profile
- Generate multi domain awareness
- Improving speed of command
  - Put decision makers more in sync with shooters
  - Warfighters will be able to create new offensive and defensive capabilities by quickly reconfiguring their systems
- Human on the loop
  - Machine Learning / Augmented Intelligence





#### **Combat Management Systems Enterprise**

- Alignment to Combat Systems refresh cycle
  - Transforms warfare from discreetly escalating steps to a continuous process
  - Keep pace with changing adversary capabilities

#### Systems Approach

 Move away from the platform-centric perspective, and adopt a more comprehensive Systems of Systems (SoS) approach across all IW systems to ensure an integrated and interoperable Information Dominant Force. Navy CASG USN CEA Lockheed Martin SAAB

#### **Evergreen Approach**

- Defence is struggling with inflexible and expensive legacy systems
- Move towards on-demand infrastructure:
  - Offering Agility
  - Flexibility
  - Cost-effectiveness
  - Always up to date to meet changing threat environment
  - Delivering new capability through sustainment



## Future

- Need to enable 'the Networked Force', adaptive, reliable and robust
- Adaptive and robust military waveforms including sovereign are needed to meet advanced threats (LPI/LPD/LPG)
- Future capabilities/ technologies that support the Network Force:
  - Joint Tactical Radio System (JTRS)
  - Tactical Targeting Network Technology
  - Wide-band Network Waveforms
  - Common Data Links
    - Tactical Common Data Link
  - AI / machine learning / 5G technology ecosystem
- Support introduction of Electromagnetic Manoeuvre Warfare

#### – NAVY VALUES –





#### Industry

- Navy Industry Engagement Strategy
  - Greater Collaboration
- Adaptive acquisition and sustainment strategies
- Enhanced education and awareness
- Navy an informed customer





HONOUR HONESTY COURAGE INTEGRITY LOYALTY

NAVY VALUES -

## Questions



#### - NAVY VALUES -



#### Maritime C4ISREW&Cyber Operational View (OV-1)



