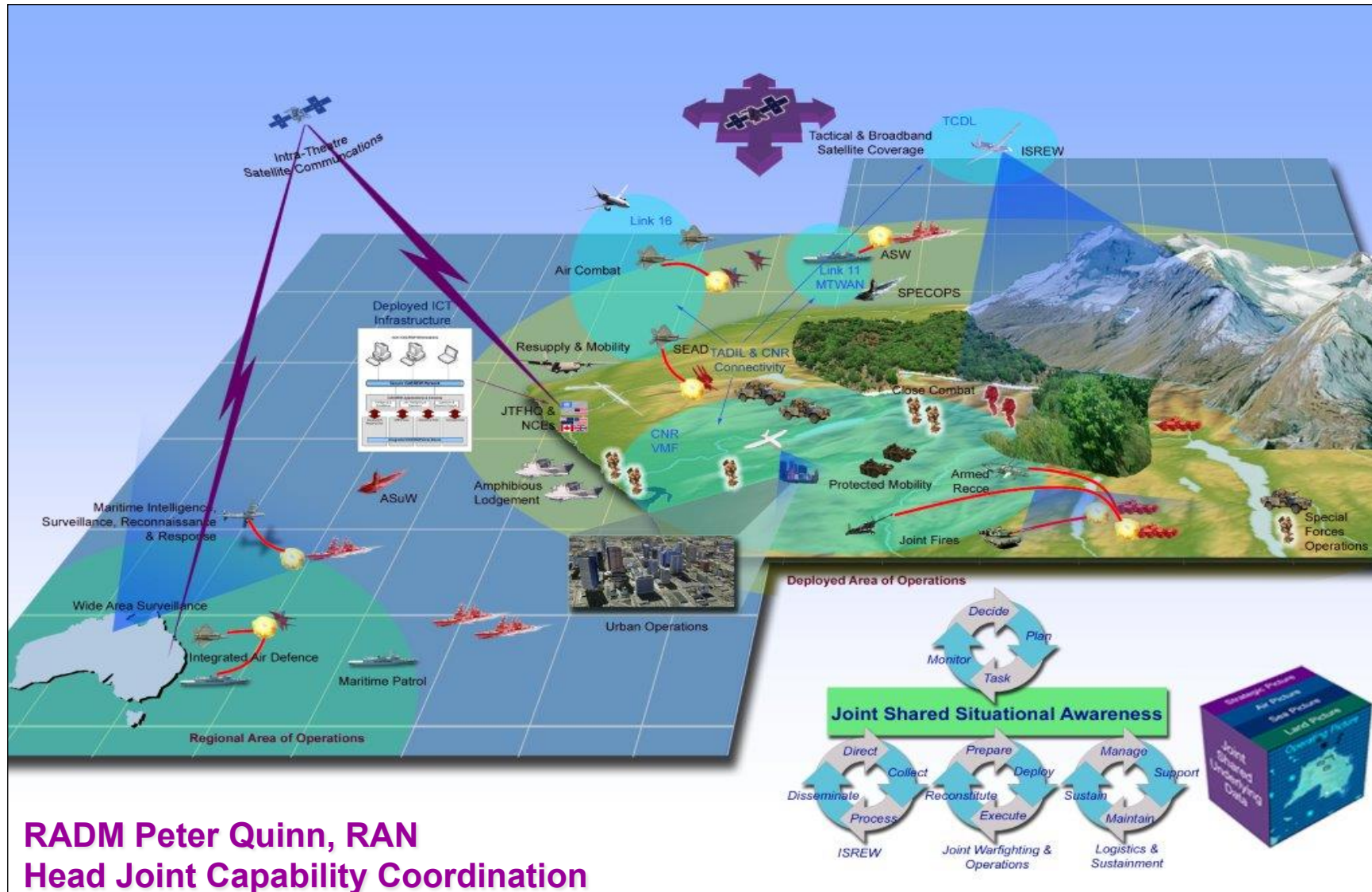


C4ISR Design - Design and Assurance of the Joint Battlespace Networked Environment



Enabling Interoperability for the Joint War-fighter



CURRENT FORCE INTEROPERABILITY

- Current Operations and US-led Exercises:
 - High levels of interoperability after period of synchronisation
- Integrating AUS platforms into US led operations/exercises:
 - MEAO air, land and maritime operations
 - FFG Carrier Strike Group Embeds
 - Exercises include Red Flag, Talisman Sabre, RIMPAC etc
- Frequent service or platform level integration

Pragmatic, clear & consistent I&I guidance and Joint Capability Management enables considered & informed decision making with impact

Joint Capability Management & Integration

Design, deliver and assure the Joint Force

Joint Capability Integration

The design and assurance of I2 solutions that realise the full potential of joint capability

Joint Capability Management

Deliver and implement deliberate joint capability and effects

I&I: Integration & Interoperability
JCA: Joint Capability Authority



P8 Poseidon



Triton



TUAV



F35



Future Force

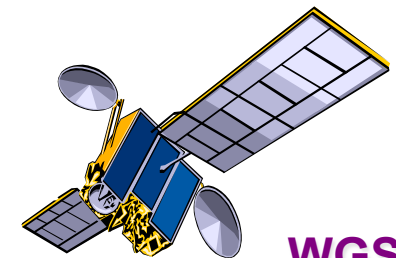
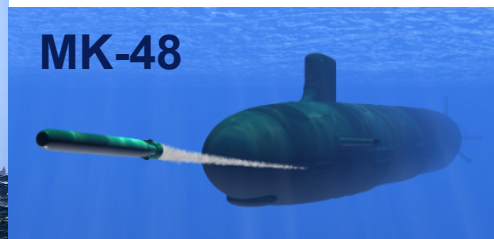
- Continued acquisition of Common Systems
 - Joint Equipment Development Programs
 - Purchase of common platforms and systems
- Continued high levels of platform interoperability



SCS



MK-48

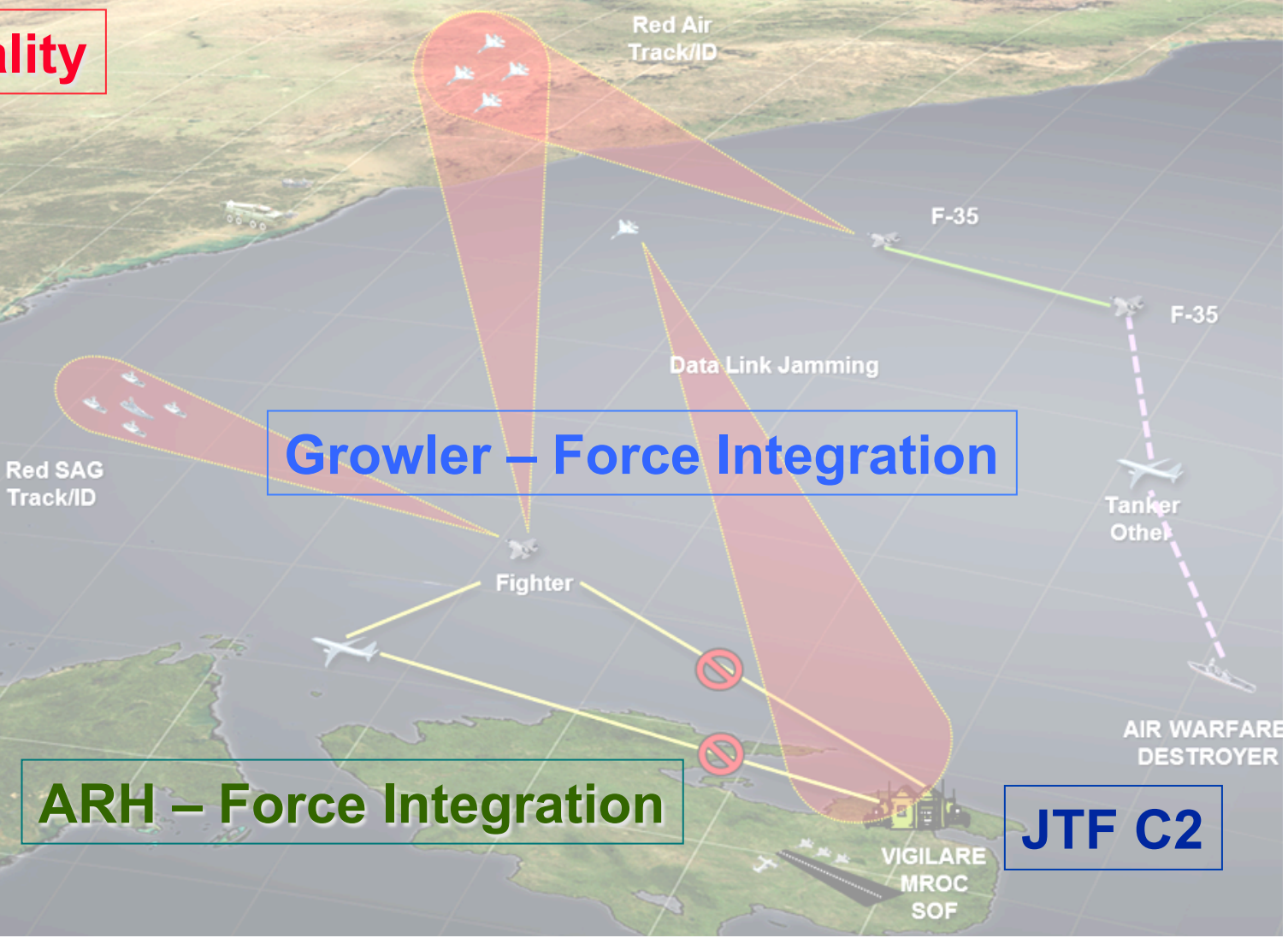


WGS

Challenges in Realising a Future Force

Plan JERICHO for Land & Maritime?

Commonality



IMD

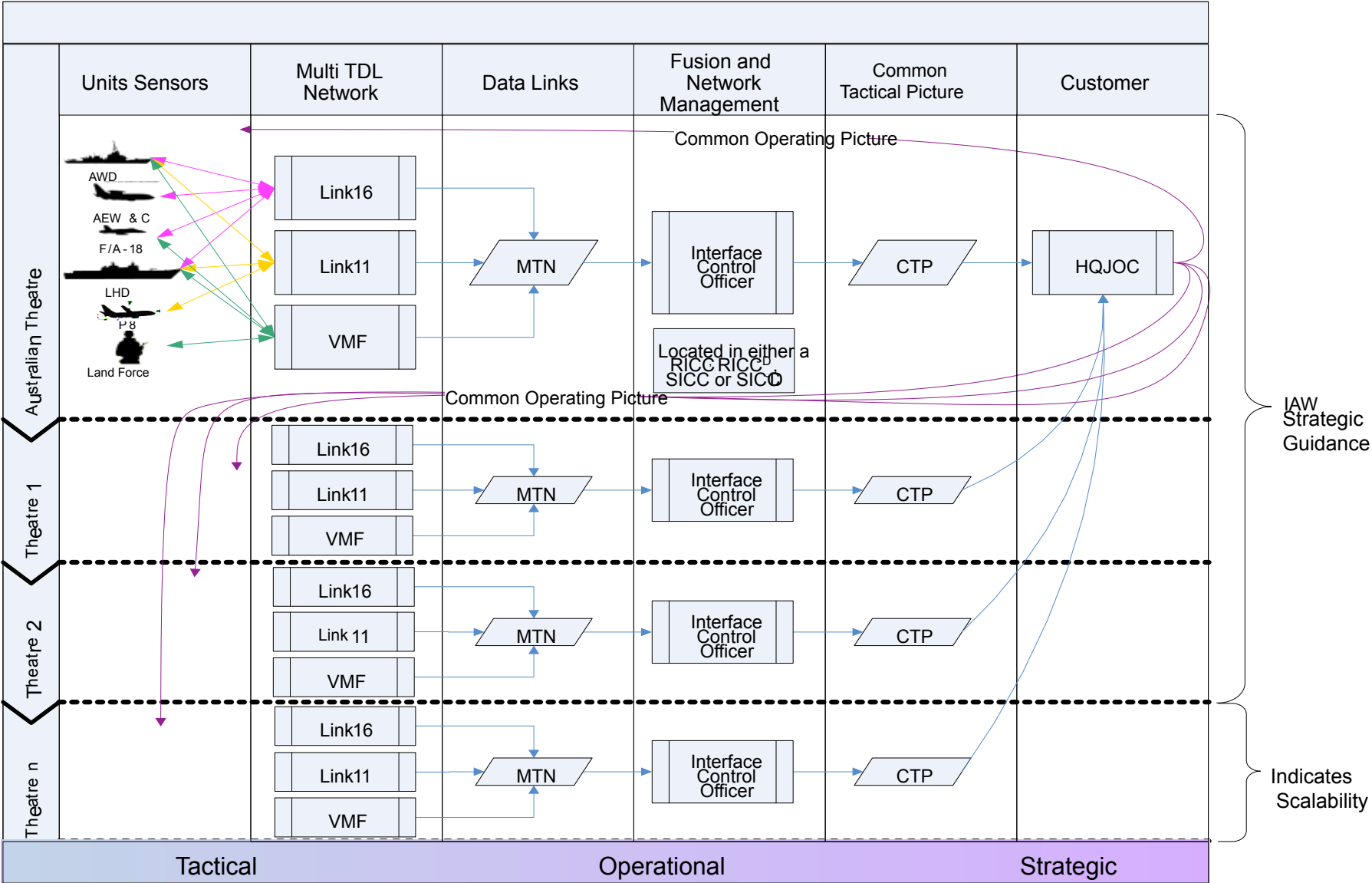
Comm/Data Links
MADL
Link 16
RF LINK

ARH – Force Integration

Growler – Force Integration

JTF C2

Information Flows in the Tactical to Operational Space



Cyber in the Joint Environment

Challenges



- **Changing Environment**
- **Changing and Developing Policy**
- **Integrating Cyber Security into all facets of Defence**
 - **Corporate / deployed / mission systems**
- **Conflicting timeframes**
 - **Acquisition timeframe**
 - **Technology advances**
 - **Vulnerabilities identification to exploits**
- **Cyber aware workforce**

NETWORKED JOINT FORCE

