Sea Basing…Challenges to Power Projection in 2015 and Beyond

HMAS JERVIS BAY ALONGSIDE HMAS SUCCESS BEING REFUELED IN DILI HARBOUR BEFORE HER RETURN TO DARWIN
PHOTO BY ABPH PHILLIP HUNT NEG NO. NPU 991030-18

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Force Projection Symposium V
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Outline

- **The Vision**
- **The Requirements**
- **The Challenges**
- **The Initiatives**

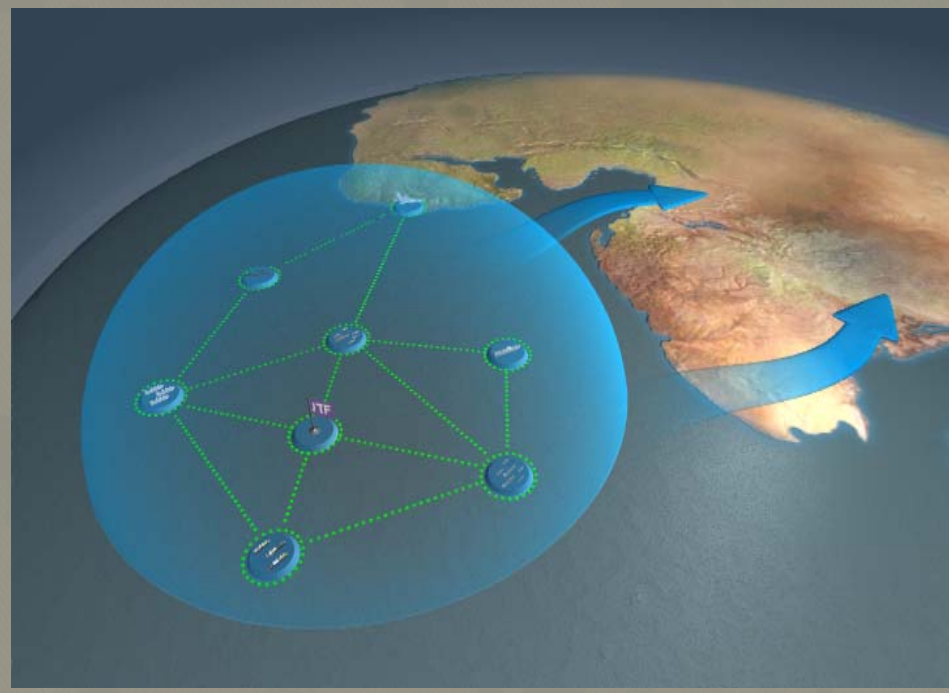
<u>The Purpose</u>

Discuss the Joint challenges to realizing the vision of power projection and sustainment from the Sea Base

The Vision

Sea Basing is an Enabling Concept that…

- **Leverages the Sovereignty of the Seas**
- **Minimizes Dependence on Vulnerable Landbases**
- **Supports the Joint Fight with:**
  - **Forward Presence**
  - **Joint Advance Force Operations**
  - **Forcible Entry Capability**
  - **SOF Support**
  - **Joint Sustainment**
  - **Joint C4ISR**



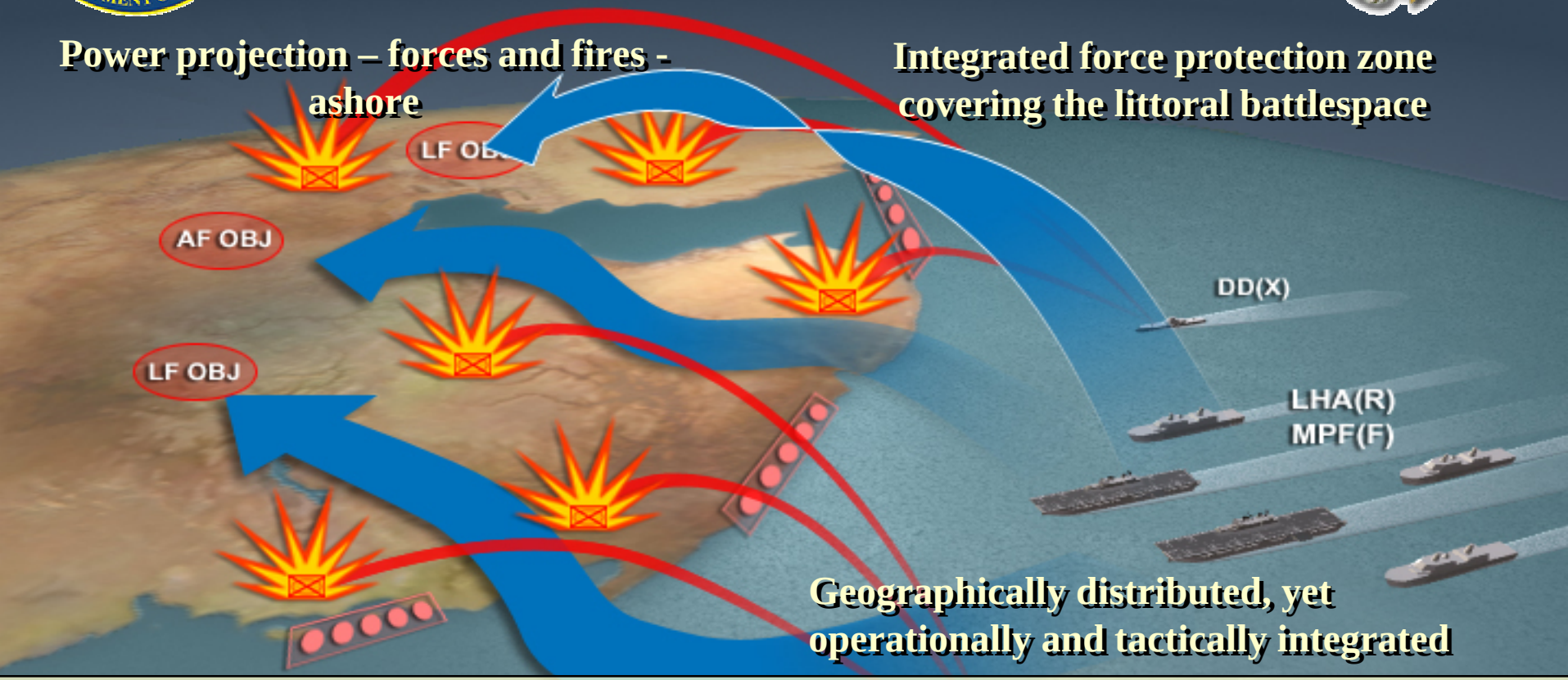
The Vision

The Way We Are

The Way We Need To Be

Operational Maneuver that assures access without land-based airfields and ports

The Vision

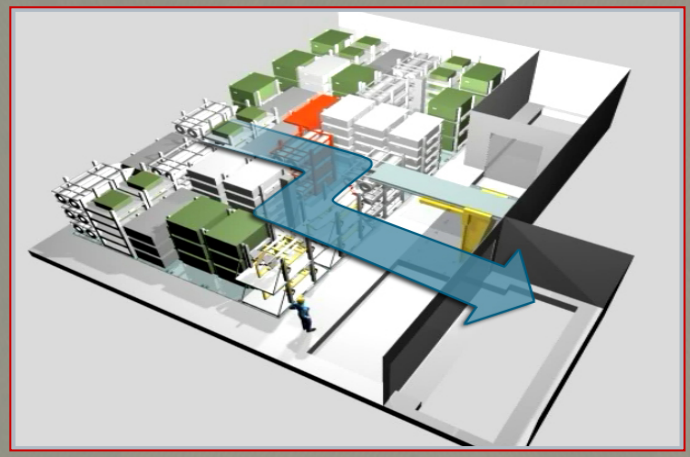


Inherent flexibility of an <u>assault from the sea</u> presents the <u>enemy with an operational dilemma</u>; *"Will the assault come by land, sea, or air… where, when? Where do I fortify if fortifications only represent targets? How do I combat joint forces that can strike anywhere at the time and place of their choosing?"*

--This is 21st Century Joint Combat--

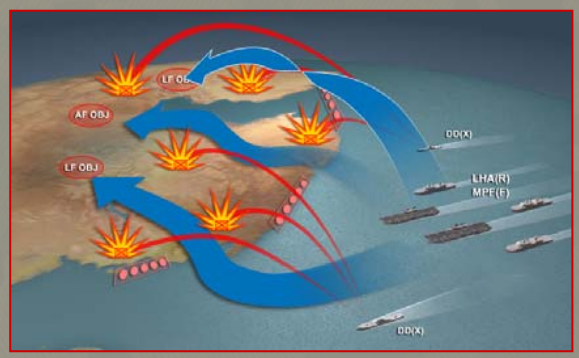
The Requirements

Maneuverable, distributed, networked platforms

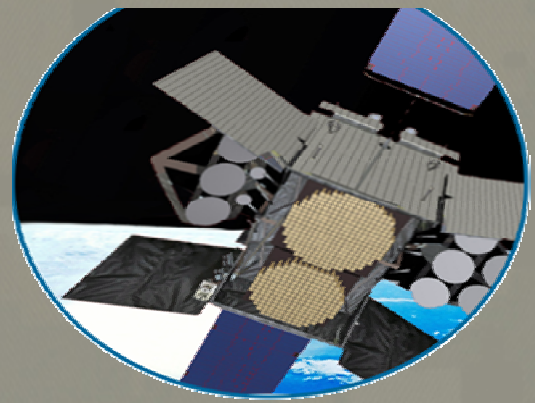


Selective Off-load

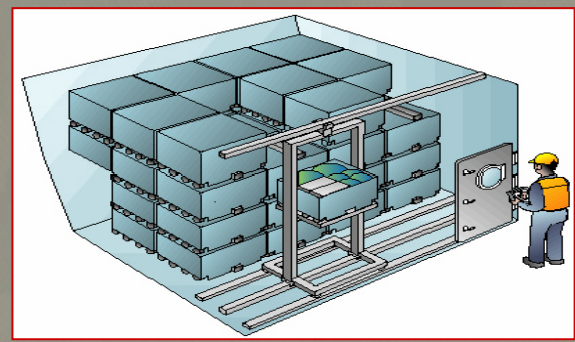
At-sea arrival, assembly and transfer of materiel and personnel



Enable and sustain forcible entry and sustained operations ashore



Over-the-horizon and on-the-move communications



Sense and Respond Logistics

The Challenges
Command and Control

- **Command architecture and command relationships of forces on and projected from the Sea Base**
- **Interoperable and robust communications architecture**
- **On-the-Move (OTM), Over-the-Horizon (OTH) communications**

The Challenges
Maneuver and Fires

- **Deliberate, in-stride breaching of mines and obstacles by a surface assault force**
- **Persistent fire support**
- **Heavy-lift, Sea Base-able aircraft**
- **Reconstitution and redeployment of forces**

The Challenges
Force Protection

- **Sea Shield will provide over-arching protection for Sea Based forces.**
  - Defeat threats from sea skimming missiles
  - Capability to protect troops ashore against missile attack
    - Cooperative engagement technologies, where sensors ashore (such as radars) link to systems at sea

The Challenges Sustainment

- **Selective off-load**
- **Operating in heavy seas**
- **At-sea arrival, assembly, and RSOI**
- **Transfer of heavy cargo**
- **Intra-theater movement to sea base**
- **Sense and Respond Logistics**

The Challenges
Sustainment (continued)

- **Common inter-service materiel handling capability and packaging**
- **Parallel platform development to synergistically support power projection and sustainment**
- **Inter-theater movement of aircraft**
- **Reduced maintenance enabling capabilities**
- **Movement and distribution of bulk liquids**

The Challenges
Joint Force Integration

- **Development of a common, coherent, and realistic concept of Joint Seabasing**
- **Determining how the national capability applies to each service and what capabilities each service needs to Seabase.**
- **Coordination of Joint acquisitions to support the Joint Sea Base**
- **Full integration of Joint and Coalition forces**

The Challenges
Industry Solutions

- **Transfer of heavy cargo in heavy sea states**
- **Selective off-load technologies**
- **Heavy-lift, Sea Base-able aircraft**
- **On-the-Move (OTM), Over-the-Horizon (OTH) communications**
- **Extended range, responsive, persistent fire support**
- **Integration of shore and sea based sensors to build the Sea Shield**
- **‘Reduced Maintenance’ technologies for entire table of equipment**

The Initiatives

- **Future Ships and Sea Base Connectors IPT**
  - Naval IPT
  - Co-chaired by DC,CD and N75
  - Standing Naval IPT to address LHA(R), MPF(F), Connector requirements
  - Developing coordinated requirements timelines
  - Support strategies for program initiation
  - Evaluate platform/equipment alternatives and potential trade-offs
- **Seabasing Joint Integrating Concept**
  - Joint coordination underway

Questions?