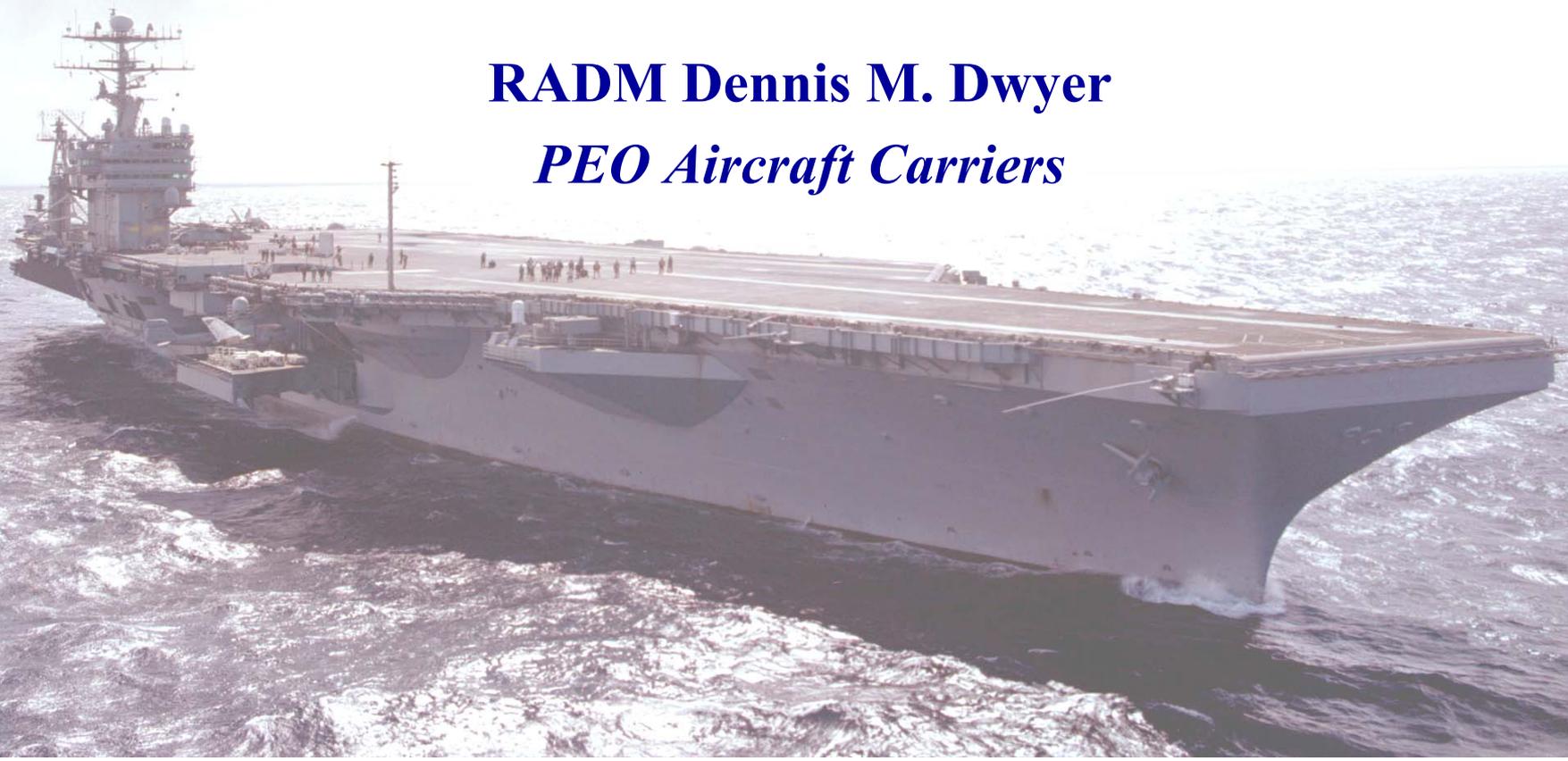




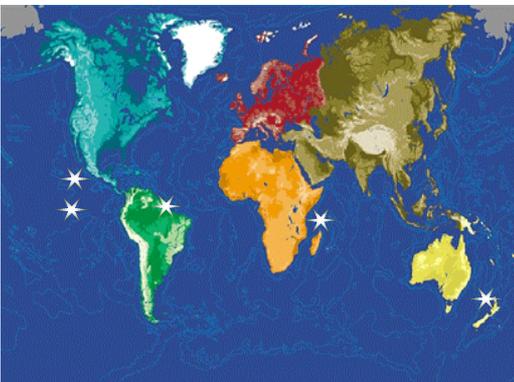
Naval – Industry
R&D Partnership Conference 2002

RADM Dennis M. Dwyer
PEO Aircraft Carriers





The Current Missions of the Aircraft Carrier



- *Forward Presence*
 - *Independent of foreign bases*
- *Crisis Response*
 - *Tasking dictated by world events*
 - *Flexibility to bring robust combat power to bear*
- *Power Projection*
 - *Operating on-station in strategic locations around the world*

Our Product is
an Integrated,
Fully Supported
Ship - Air Wing
Warfighting
System



America's First Line of Defense



PEO Carriers Programs

Today's Navy (Current Readiness)

- **CVN 68 Class**
- **Smart Carrier**
- **CV/CVN FMP**
- **CV/CVN In-Service Support**

Next Navy (Future Readiness)

- **CVN 76**
- **CVN 77**
- **CVN 68 Class RCOH**

Navy After Next

- **CVNX**



Technology Drivers

- **Total Ownership Cost Reduction**
 - **Manning Reduction**
 - **Maintenance Workload Reduction**
 - **Acquisition and O&S Cost Reduction**
- **Readiness**

*Weight Management
is a factor for ALL Technology Solutions*



Magazine Processes



Bomb Breakout



Aircraft Loading



Component Breakout



Bomb Assembly



Technology Drivers

- **Total Ownership Cost Reduction**
 - Manning Reduction
 - **Maintenance Workload Reduction**
 - Acquisition and O&S Cost Reduction
- **Readiness**

*Weight Management
is a factor for ALL Technology Solutions*



Current Tank Coatings after 36 months



Technology Drivers

- **Total Ownership Cost Reduction**
 - Manning Reduction
 - Maintenance Workload Reduction
 - Acquisition and O&S Cost Reduction
- **Readiness**

*Weight Management
is a factor for ALL Technology Solutions*



Non-skid





CVNX Transformational Technologies

- **EMALS**
- **Advanced Weapons Systems**
- **Common Backbone for Open-Architecture Weapons Command System**
- **Networked Information Management System to Run the City**
- **Automated Material Movement Systems**
- **All Electric Ship Systems**



Summary

- Carrier technology insertion opportunities
 - In-Service Aircraft Carriers
 - CVNX Program
- Technology must focus on needs/requirements
- Technology insertion must be supported by sound business case (Technology must earn its way on the Aircraft Carrier)

**PEO Aircraft Carriers Point of Contact
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Alternate Slides



Operational Advisory Group

TOP TWENTY

- 1. MANNING AND TRAINING (1)**
- 2. AT/FP (4)**
- 3. QUALITY OF SERVICE/HABITABILITY (2)**
- 4. CURRENT READINESS FUNDING (OPTAR/SPARES/OMN/OFC-20) (3)**
- 5. CVN SELF DEFENSE (5)**
- 6. TIME SENSITIVE TARGETING (NEW)**
- 7. EXPEDITIONARY LOGISTICS (NEW)**
- 8. INFO/DATA EXCHANGE/DISTANCE SUPPORT(NETWORKS) (6)**
- 9. LIFECYCLE MANAGEMENT (8)**
- 10. AIRCRAFT INTERMEDIATE MAINTENANCE SUPPORT (10)**
- 11. INFRASTRUCTURE IMPROVEMENTS (7)**
- 12. ALRE IMPROVEMENTS AND SUPPLY SUPPORT (12)**
- 13. RECAPITALIZATION/RCOH (WATCH LIST)**
- 14. NON-SKID (18)**
- 15. PPE (FLIGHT DECK GEAR) (16)**
- 16. CV/N WEIGHT MGT/LIST MGT (17)**
- 17. ONBOARD MATERIAL MOVEMENT (19)**
- 18. DECKEDGE ELEVATOR RELIABILITY (20)**
- 19. WEAPONS MOVEMENT/STAGING/DEVELOPMENT (21)**
- 20. AV FUELS (13)**