

Future Carrier Strike Groups

12651 2 71

RADM Denny Dwyer PEO Aircraft Carriers 17 February 2005



- Deployed U.S. Army forces During OEF
- Does Not Need Host Nation Approval to Operate
- Is the CSGs Information Hub
- Deploys Special Forces
- Conducts Strike Planning

The Carrier Strike Group Imagine the Possibilities

To Protect American Interests Overseas You Want to Get There With

Speed, Agility, and Power





- Contains 4 Million Gallons of Jet Fuel
- Carries 3,000 Tons of Ordnance
- Represents 4.5 Acres of Sovereign U.S. Territory
- Produces 500,000 Gallons of Water per Day
- Operates Unmanned Aircraft





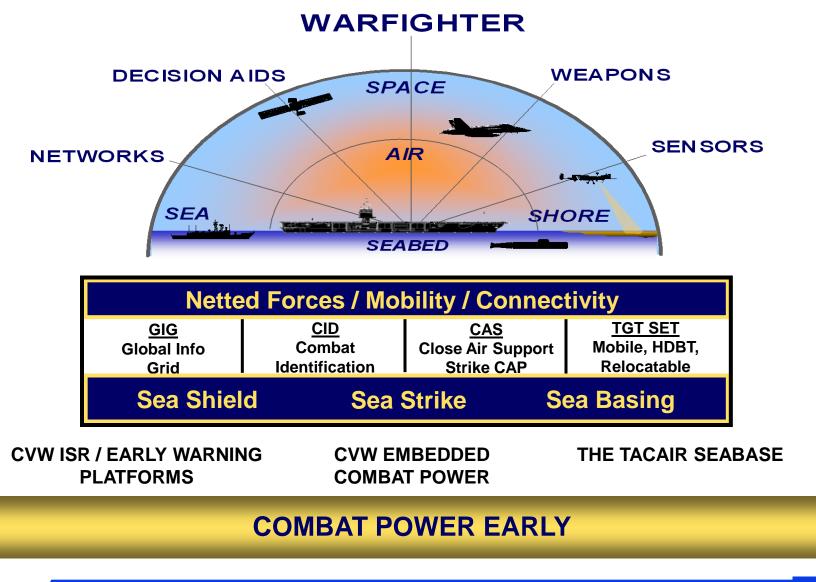


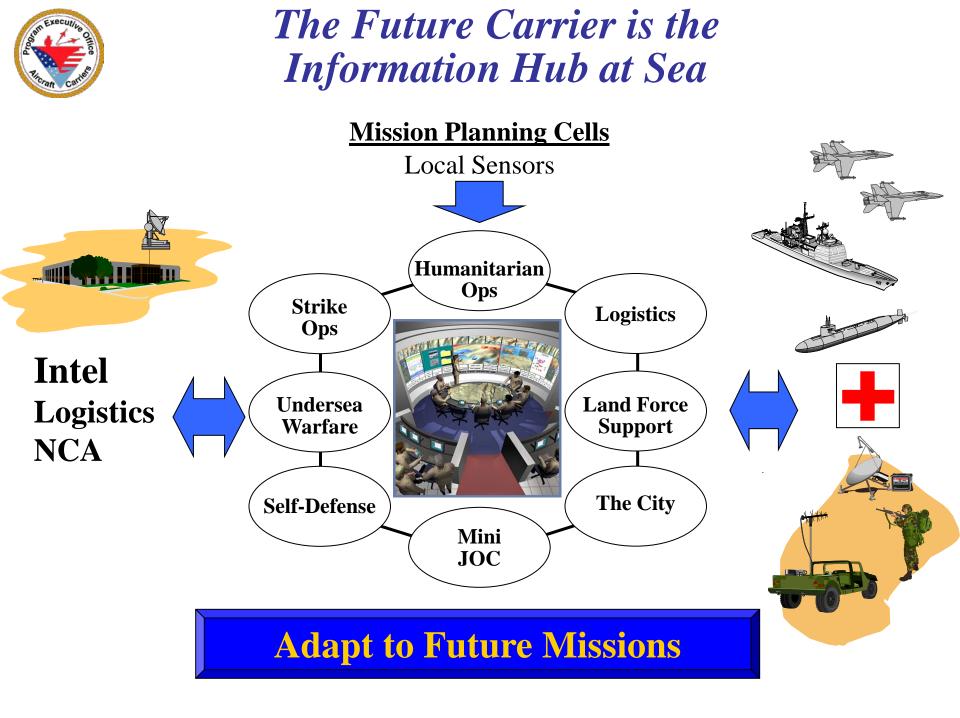




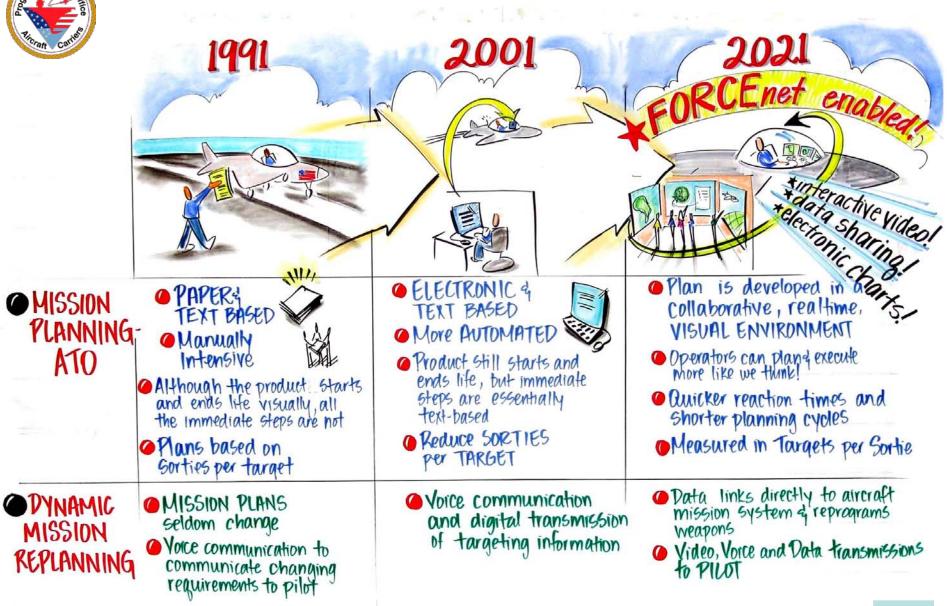


The CSG in Naval Power 21





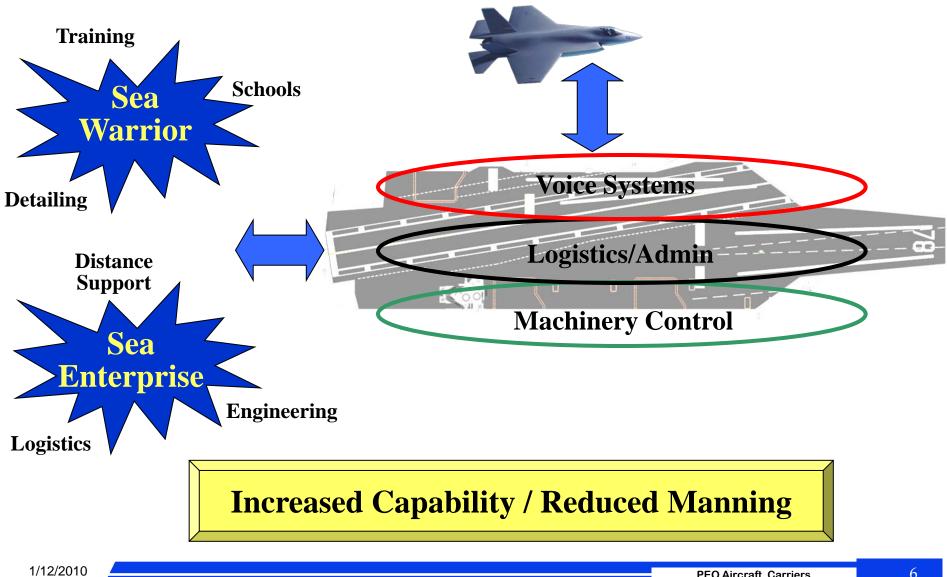








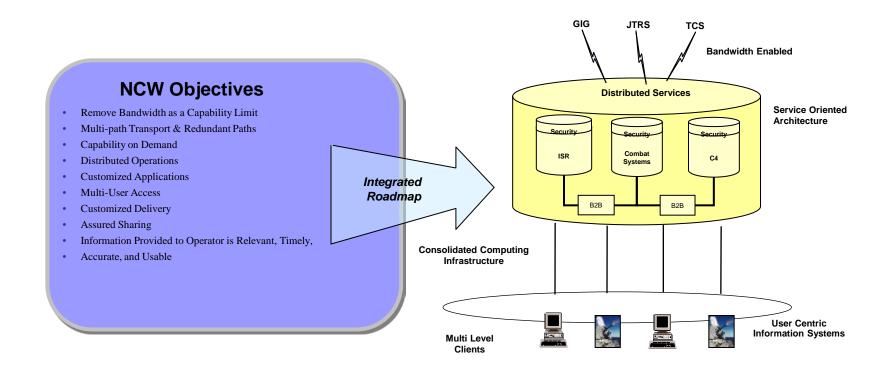
Running the City





1/12/2010

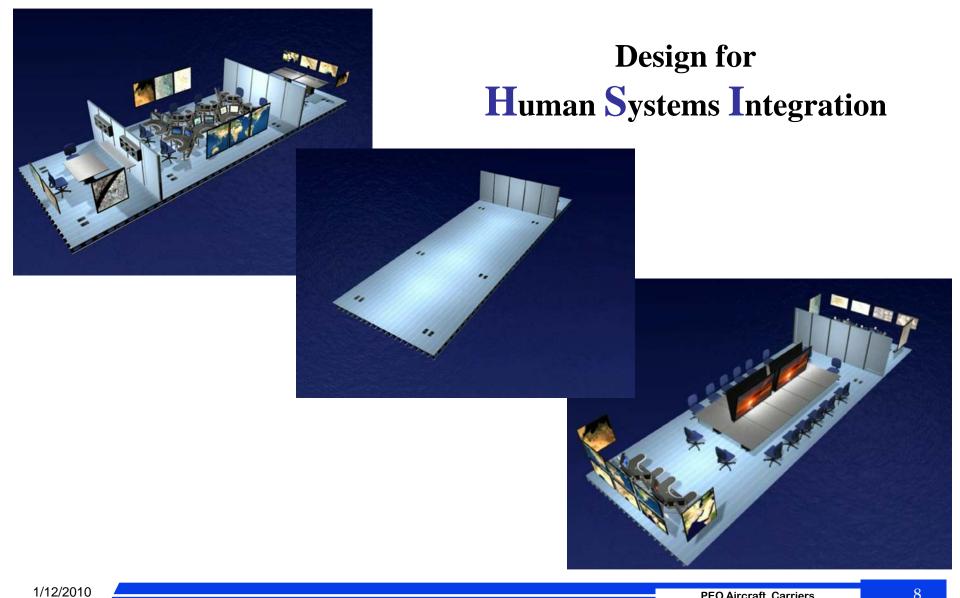
A Challenge for FORCEnet Acquisition



Tailorable Mission Packages
True Plug-n-Play Capabilities
One Watchstation, Multiple Domains



Physical Reconfigurability





CVN 21 Concept Ship Flight Deck

CVN 77 Full Size Jet Blast Deflector Unrestricted CAT #4 CVN 21 Current **Utility Elevator Added Redesigned** and 3 vice 4 Aircraft Enlarged **Re-positioned Re-positioned Island Flight Deck Elevators Weapons Elevators**

1/12/2010

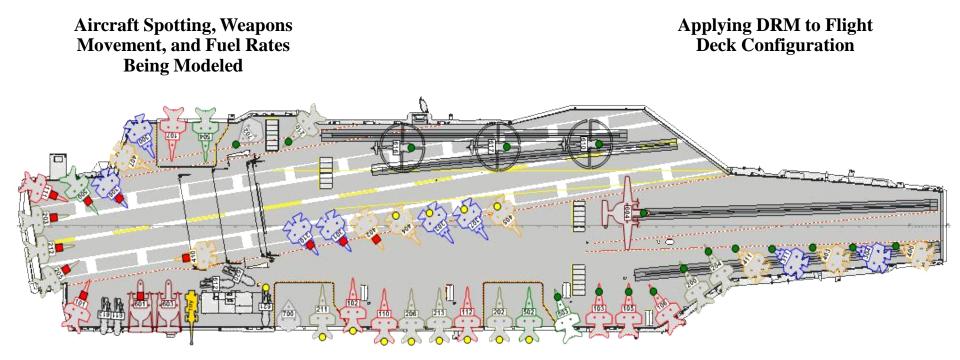
PEO Aircraft Carriers

UNCLASSIFIED



CVN 21 Concept Ship Flight Deck

CVN 21 Design Integration in Progress



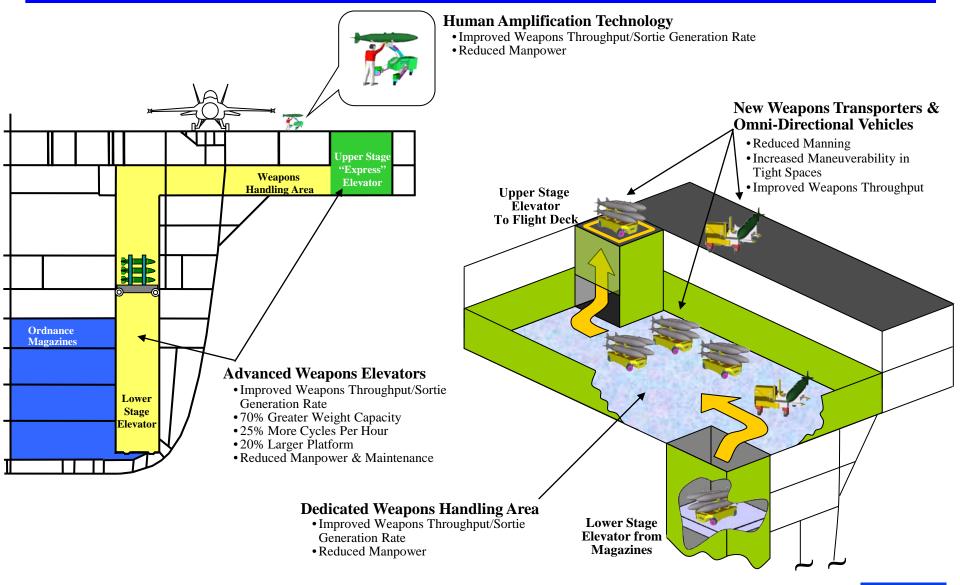
Island Line of Sight and "Shadow Zone" Assessment

1/12/2010

Sortie Generation Rate KPP Evaluation Underway **Pit Stop Location Optimization Studies**



Improved Weapons Handling





- CVN 21 Design is a series of Systems Engineering tradeoffs.
- > Moving CVN 21 island started Flight Deck chain.
- Cascading Warfare Centers for FORCEnet started C4I chain.
- CVN 21 Mission Systems with FORCEnet will Drive a entire Navy Architecture
- In-Service Fleet Must Leverage CVN 21 Mission Capability