



# **Expeditionary Logistics Component**

## **Littoral Combat and Power Projection FNC**

# **WELCOME**

**HiCASS Industry Day**

**23 October 2003**

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# Expeditionary Logistics High Capacity Alongside Sea Base Sustainment (HiCASS) Industry Day 23 October 03



## AGENDA

- 8:00-9:00 Registration
- 9:00-9:10 Welcome *Mr. Ed Crawford, Office of Naval Research*
- 9:10-9:20 Future Naval Capabilities Overview *Ms. Lynn Torres, Office of Naval Research*
- 9:20-9:40 The Transition Imperative *Dr. Geoff Main, Office of Naval Research*
- 9:40-10:00 HiCASS Focus Areas *Mr. Ed Crawford, Office Naval Research*
- 10:00-10:30 Future USMC Operations & the Sea Base *Col. Richard Nixon, USMC, HQMC/LPV*
- 10:30-10:45 Break
- 10:45-11:15 MPF(F) from a Resource Perspective *Mr. Jon Kaskin, OPNAV N42*
- 11:15-11:45 MPF(F) from an Acquisition Perspective *Mr. Terry Shen, NAVSEA (PMS 325)*
- 11:45-12:15 Sea Base Logistics R&D *Mr. Jeff Green, NSWCCD (Code 28)*
- 12:15-13:00 Lunch (on your own)
- 13:00-13:15 ONR Technology Baseline *Mr. Ed Crawford, Office of Naval Research*
- 13:15-13:45 Capabilities for Enabling Sea Base Logistics *Mr. Fran Brennan, NSWCCD (Code 97)*
- 13:45-14:15 At Sea Material Transfer, Future Capabilities *Dr. Peter Herdic—Dr. Brian Houston, NRL*
- 14:15-14:45 Hydrodynamic Modeling of Multiple Maneuvering Vessels in an UNREP Scenario  
*Dr. Ted Mordfin—Dr. Ed Lewandowski, CSC*
- 14:45-15:00 Break
- 15:00-15:30 Skin-to-Skin Connected Replenishment *Dr. Bob Scher, JJMA*
- 15:30-16:00 Wrap-up Q&A



# ExLog Background



- Who are we?
  - ONR Expeditionary Logistics (ExLog) Group is part of the Littoral Combat/Power Projection FNC.
- ExLog has Two Enabling Capabilities:
  - Command and Control (C2)
  - Distribution
    - HiCASS (High Capacity Alongside Sea Base Sustainment) - Formerly Skin to Skin Material Transfer and Heavy UNREP)
    - Sea base to Shore Surface Craft
    - Strike-Up/Strike-Down
    - Naval Force Sustainment
- Additional information can be found at:
  - <http://www.onr.navy.mil/explog/explog/overview.asp>



# Science & Technology



- **ONR is an office of Science & Technology**
- **There are restrictions on technology maturation provided by ONR.**
  - **ONR is not Systems Engineering or purchasing of developed technology.**
- **Technology Readiness Level (TRL)**
  - **Defined in Chart on next page.**
  - **ONR is normally limited in the TRL 3-5 range.**
- **The primary Focus of the FNC process is Transition**
  - **Requires early engagement with Acquisition Programs**
  - **Sharing of development cost with Acquisition Programs in the latter stages of development.**