

# GSSP Update

23 April 2013

# GSSP Program

- Customized software assists operators in calculation and evaluation of vessel stability
- Based on individual vessel trim & stability book and stability letter
- User interface simplifies trim and stability calculations for the master

# How GSSP Works

- Ship's master inputs load description
- Load description module permits specification of tank contents, solid loads (stores, payload, etc) and ice accumulation
- Stability condition / evaluation module performs needed calculations

# Problem & Solution

- Previous versions of GSSP would not run in 64-bit environment
- New version of GSSP is now available compatible with Microsoft Windows 7 64-bit operating system
- SIO has proposed NSF SSSE group upgrade of GSSP for the UNOLS fleet

# Current Status

- *Kilo Moana* has already received upgrade
- Funding requested for other 17 vessels
- Awaiting NSF panel decision