Background

Now

- No regime under IMO Conventions for the testing and inspection of Lifting Appliances
- Class generally stops at lower pedestal/connection to the deck
Tripartite 2016

Background

- At MSC 83 New Zealand
  - 2000 to 2007 – 64 incidents, at least one fatality, 18 serious injuries

- At MSC 86 New Zealand
  - 11 more failures

- At MSC 89 Japan
  - 2008 one incident during STS – one loss of life, 3 injured
  - 2004 to 2008 – 18 accidents

Tripartite 2016

Background

- MSC 89 - The Maritime Safety Committee, at its eighty-ninth session (11 to 20 May 2011), agreed to include in the post biennial agenda of the Committee an unplanned output on "Development of requirements for onboard lifting appliances and winches"
Latest Correspondence Group (re-established at SSE3 March 2016)

1. Further develop goals and functional requirements suitable for onboard lifting appliances and winches;

2. Further develop draft guidelines supporting the goals and functional requirements, if necessary, to cover the design, fabrication and construction for new installations; onboard procedures for routine inspection, maintenance and operation of onboard lifting appliances and winches; and familiarization of ship’s crew and shore-based personnel, taking into account the data contained in document SSE 2/INF.2 and annex 2 of document SSE 3/8;

3. develop the list of the available industry codes and/or standards that could be contained in a footnote or the draft guidelines, as appropriate, taking into account annex 3 of document SSE 2/INF2;

4. prepare draft goal- and function-based SOLAS regulations for onboard lifting appliances and winches; and

be designed, constructed, and installed in accordance with standards acceptable to the Administration;
Standards

Most robust set of Rules to be used for Design, Fabrication and Installation

A bulk carrier where the jibs of all four cranes were removed following ongoing issues arising after delivery. It documents an extreme case of failure to rectify design issues that ultimately resulted in the cranes being taken out of service after only a few years in operation.

Copyright The Naval Architect

Existing Fleet

- How to apply to existing ships?
- Provision of maintenance manuals
- Maintenance and Inspection Safety

Copyright The Naval Architect
THANK YOU