



TECHNICAL CIRCULAR No. 158 of 7th November 2013

To:	All Surveyors/Auditors
Applicable to flag:	All Flags
Subject:	Damage Stability Information for oil tankers and offshore oil barges
Reference	Emergency Response Services

Damage stability information for oil tankers and offshore oil barges

Access to shore-based program must facilitate calculation

Owners or operators of oil tankers and offshore oil barges shall ensure that their vessels have prearranged prompt access to computerize, shore-based damage stability and residual strength calculation program.

Vessel baseline strength and stability characteristics must be pre-entered into such program and be consistent with the vessel's existing configuration.

Access to shore-based program must facilitate calculation of the following:

- Residual hull girder strength based on reported extent of damage
- Residual stability when the vessel's compartments are breached
- The most favorable off-loading, ballasting or cargo transfer sequences to improve residual stability, reduce hull girder stresses and reduce ground-force reaction
- The bending and shear stresses caused by pinnacle loads from grounding or stranding

REFERENCES:

- **Emergency Response Services**

ATTACHMENTS: No.

Kindest Regards,

Customer Service Center

5201 Blue Lagoon Drive, 9TH. Floor,
Miami, Fl., 33126
Tel: 1 (305) 716 4116,
Fax: 1 (305) 716 4117,
E-Mail:

joel@conarinagroup.com

Technical Head Office

7111 Dekadine Ct.
Spring, Tx., 77379
Tel: 1 (281) 370 9363,
1 (713) 204 6380

E-Mail: tho@conarinagroup.com,

houston@conarinagroup.com

Page 1 of 2

Cosmin Bozenovici
Naval Architect – Conarina Technical Head Office

Customer Service Center

5201 Blue Lagoon Drive, 9TH. Floor,
Miami, Fl., 33126
Tel: 1 (305) 716 4116,
Fax: 1 (305) 716 4117,
E-Mail:

joel@conarinagroup.com

Technical Head Office

7111 Dekadine Ct.
Spring, Tx., 77379
Tel: 1 (281) 370 9363,
1 (713) 204 6380

E-Mail: tho@conarinagroup.com,

houston@conarinagroup.com