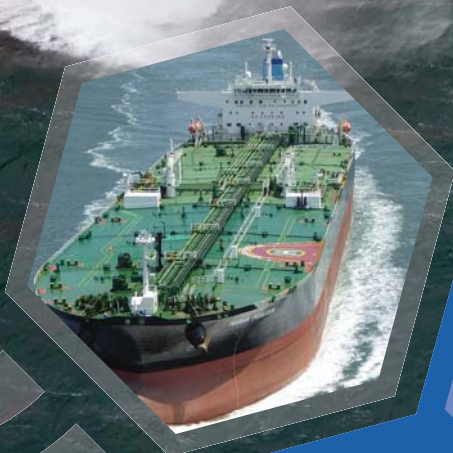


# SARC

MARITIME SOFTWARE AND SERVICES



## LOADING COMPUTER SOFTWARE FOR TANKERS

Tankers are facing changes in the rules regarding loading computer software. Now the resolution MEPC.248(66) (for oil tankers, chemical tankers and gas carriers) has entered into force each shipping company has to make sure that they comply with the adopted regulations. SARC offers LOCOPIAS loading computer software and administrative support to ensure that existing vessels and newbuilding vessels complies with these rules.

## NEW RULES

According to the new rules: All tankers should be fitted with a stability instrument, capable of verifying compliance with intact and damage stability requirements, approved by the Administration. The new requirement is retroactive and applies to both new and existing vessels as follows:

- Vessels constructed on or after January 1, 2016
  - at delivery.
- Vessels constructed before January 1, 2016
  - at first renewal survey on or after January 1, 2016, but no later than January 1, 2021.

(For gas carriers subject to the IGC Code the respective dates are six months later, i.e. July 1, 2016 and July 1, 2021.)

As a result of the new rules entered into force on January 1, 2016, it is the responsibility of ship owners or ship operators to ensure that their vessels are compliant within the due date.

If a vessel requires new or upgraded stability software to comply with the resolution MEPC.248(66), it is strongly recommended that LOCOPIAS Type 3 stability software is fitted on board.

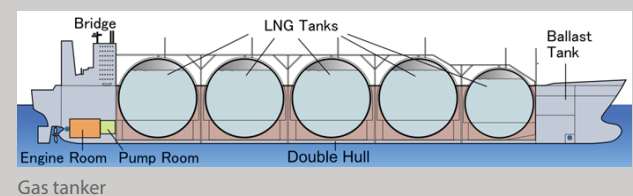
While the implementation for existing vessels is based on the survey date, it should be noted that the process of collecting the required ship specific information, the customization of the LOCOPIAS software and the approval by the administration is time-consuming. SARC's entire crew of naval architects will cooperate with you to ensure that this process is finished on time.

Please do not hesitate to contact us for more detailed information.

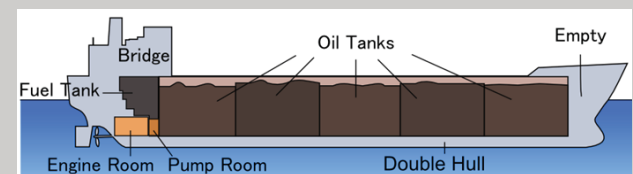
## LOCOPIAS

LOCOPIAS is on-board loading computer software. Derived from the PIAS ship design software, it uses the same proven technology to achieve optimum loading within the limits for strength, stability, draft, etc. This ensures maximum safety of the vessel, its crew, cargo or passengers and the environment. LOCOPIAS uses a direct calculation method (type 3 according to IACS Unified Requirement L5). All results are calculated directly from the 3D geometry of hull and compartments, for every combination of trim, heel and draft. Damage stability computation is not only for pre-defined (regulatory) damages, but just as well for a user-defined actual damage. LOCOPIAS can offer support on damage analysis in accordance with MARPOL, IBC or IGC Codes.

LOCOPIAS is accepted by all major classification societies. It complies with Cat. B and C of ISO standard 16155 (Shipboard Loading Instruments) as well as the IACS (International Association of Classification Societies) requirements.



Gas tanker



Oil & chemical tanker

