

REQUIRED VESSEL DOCUMENTATION

General

In order to be able to create an accurate MOSES model of the cargo barge/ship, the drawings/data listed below are to be provided, if available. The latest or “As-Built” revisions are preferred.

Stability model

- General Arrangement drawing
- Lines plan or offset tables
- Stability booklet – complete or copies of relevant pages
- Hydrostatic tables
- Tank/Capacity plan
- Midships section drawing
- Lightship weight and CG location
- Typical loading condition showing fuel oil, lub oil, fresh water, spares, etc.

Hydrodynamic model

- General Arrangement drawing
- Lines plan or offset tables
- Stability booklet– complete or copies of relevant pages
- Hydrostatic tables
- Tank/Capacity plan
- Midships section
- Bilge keels depth, length, and location
- Lightship weight and CG location
- Roll, pitch, and yaw gyradii
- Typical loading condition showing fuel oil, lub oil, fresh water, spares, etc.
- Model test results if roll damping is critical or roll needs to be tuned

Format

A large number of formats are accepted. The above requested documentation can be provided in hard copies, or in digital format, such as PDF or TIFF. If digital drawings are available, AutoCAD 2013 (or older) format is preferred.

Units

Units in documents can either be in the SI, Metric, or US system, as long as it is clearly indicated.