



TECHNICAL CIRCULAR No. 668 of 4th February 2021

To	All Surveyors/Auditors. All flags
Title	Surveyor's photos
Reference	CONARINA Instructions

Attending surveyor or auditor's photos

General

When a vessel is attended, the attending surveyor or auditor is to take representative photos to provide objective evidence and document the condition of the vessel/unit, during attendance. If the surveyor or auditor is attending to clear a specific issue, photos are to be taken showing the area of concern/interest.

If it is prohibited to take photos during surveys or audits by the owner, the surveyor or auditor is to note the reason such as hazardous conditions onboard, accessibility, space constraints, privacy reasons or specific laws in certain countries:

- Surveys: a statement/observation is to be created in the report
- Audits: a statement is to be included in the Assessment Remarks section of the audit report

Below is an outline of the photographic requirements for various surveys and audits. The photos are to be attached to the work order reference document through the Photo Upload Freedom module photo report generating function. Photos should be tagged to a virtual vessel asset and include a description of the image (Structure and compartment). Photos are to be taken throughout the survey and audit process and labelled accordingly.

During special surveys, the photographic report would contain photos which are date stamped (done automatically through the Photo Upload Freedom module) throughout the entire survey period, i.e. ballast tank photos would be dated corresponding with the start of the survey and any repair photos would be dated corresponding with the completion of the survey.

Please note if the photo requirements overlap depending upon the survey tasks, then there is no need to have duplication of photos. Depending on the condition of the vessel, the Surveyor or Auditor may expand the scope of the photos.

Annual Class/Statutory Surveys and Full Scope Audits

All Vessels/Units

A minimum of 10 representative photos as applicable of the following areas are to be included in the final photo report attached to the survey reporting systems work order to support the Annual Survey or Full Scope Audit report:

Photos for survey include as applicable:

- a. One or two photos of outside of vessel's hull
- b. Load line closing appliances including WT closures, air pipes, and vents
- c. Main deck hatch covers

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- d. Cable penetrations,
- e. Ballast / pre-load tanks when entry is required
- f. LL marks when accessible
- g. Cargo spaces when entry is required
- h. Fire dampers (including the open/closed markings)
- i. Machinery space condition including bilges, fire pumps, F. O. piping, etc.
- j. Pumproom/CO2 room/ Emergency Generator Space
- k. Firefighting equipment
- l. Lifesaving appliances/instruction plaques
- m. MARPOL Annex I & IV standard connections
- n. Oily Water Separator (OWS)
- o. Sewage Treatment Plant (STP)
- p. Deficiencies due to PSC/FSC and issued PR17's, before and after rectification as applicable.

Photos for full scope audits in addition to above, as applicable may include:

- a. Emergency Preparedness Drill, muster station and emergency station
- b. Galley/Stores/Reefer Spaces
- c. Hospital Space/Equipment
- d. Gangway & Gangway instruction board.
- e. Bunkering operations and Manifold Connection (if being undertaken)
- f. Cargo loading operations and Manifold Connection (if being undertaken)
- g. Accommodation spaces
- h. Garbage room/ Garbage placard, etc.
- i. Technical deficiencies or physical conditions of a vessel or equipment leading to a Major

Nonconformity

Note 1: Photos should not be taken of specific ship security measures such as access control measures, restricted areas and security equipment, etc.

SOLAS Safety Equipment Surveys and MODU/MOU Surveys

At least 15 photos of the major items of equipment such as lifeboats (internal and external condition, windows, drain plug and its marking, seats and seat belts, hook release indicators, etc.), firefighting appliances (fire hoses in ER and on Deck, main and emergency fire pumps, CO2/Foam Room, International Shore Connection etc.), lifesaving appliances (Lifebuoys, life rafts and hydrostatic releases, life jackets, immersion suites, fireman's suites etc.), and fire dampers.

Class Intermediate Survey and MODU/MOU Drydock Survey

Representative photos of each ballast tank, combined cargo/ballast tank, cargo hold, cargo tank, along with main deck hatch covers and closing appliances, as applicable.

Special Survey Hull & Machinery

Representative photos of each ballast tank, combined cargo/ballast tank, cargo hold, cargo tank, main deck, along with hatch covers and closing appliances, as applicable. Also, representative photos required per Annual Class Surveys.

Representative photos of machinery spaces, piping, critical items of machinery such as generators, steering gear, fire pumps, fixed fire extinguishing systems, etc.

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The photos should be spread out over the attendance as each part is surveyed.

Occasional/Other Surveys

Tonnage Confirmation Survey

Digital photographs are to be taken as requested by the ABS Tonnage Group and when unauthorized modifications/alterations are found. Minimum of 10 representative photos should be taken generally of:

- Unapproved modifications/alternations
- Outboard Profile
- Forward View
- Aft View
- All superstructures, hatches, deck lockers, vents and funnels above the main deck
- Any spaces specified in the Tonnage confirmatory survey instructions

Flag State Inspection & Port State Control Survey and Audit

PSC detention, intervention or Flag State Inspection: Representative photos of the major findings related to the class/statutory deficiencies reported by PSC or Flag State including remedial action taken.

Damage/Repair Survey

Representative photos of the damaged areas before and after repairs.

Gauging Survey

Thickness measurements (gaugings) Survey: Representative photos of each tank or space confirming general condition. If substantial corrosion is found, photos of general area should be taken.

If excessive wastage is found, photos of before and after repairs are to be taken. In addition for ESP vessels commencing at Special Periodic Survey of Hull No. 2 and onwards including each intermediate survey, upon completion of thickness measurements and repairs, if any, the attending Surveyor should take approximately 6 photos internally in way of each of the deck and bottom flange areas of the transverse sections.

Re-Classification

Representative photos meeting annual survey requirements noted above including any ballast tanks, void spaces, cargo holds or cargo tanks, required to be internally examined.

REFERENCES:

- CONARINA

- ATTACHMENTS: No

Kindest Regards,

Val Bozenovici
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