



Guideline for conducting Condition Surveys

FROM: TECHNICAL DEPARTMENT

TO: NV Inspectors and technical personnel

DATE: May 22nd, 2017

SUBJECT: Guideline for conducting Condition Surveys

THIS CIRCULAR REPLACE: None.

GENERAL REQUIREMENTS:

- a) Condition Surveys should be conducted in a minimum of 8 hours.
- b) This Guideline for conducting condition surveys are mandatory.
- c) Examples of condition surveys and finding are presented in html format and can be downloaded from:
<http://www.iamsalatam.com/models/STAR-SIGMA.pdf>
<http://www.iamsalatam.com/models/OMAR.pdf>
<http://www.iamsalatam.com/models/LA-PALOMA.pdf>
- d) Condition Survey Report must be presented with a minimum of 300 Photos for demonstrating the general condition of the vessel and to support findings. Findings must be commented.

Guideline for conducting Condition Surveys

001 - DEFINITIONS:

The following definitions apply:

Condition Survey: Is a process to assess the condition of a vessel and to obtain quantitative or qualitative information for evaluation purposes.

Findings: is a identifiable condition of a part of the ship that requires attention because demonstrate a lack of effective maintenance.

Risk: effect of uncertainty on objective. (ISO 31000 2.1)

002 – Documentation that could be provided by the ship

201 Provide copies of the maximum of documents that Master allow you.

Sometime, Master didn't allow to make copies.

003 – Construction & Condition of Ship`s Hull

Please include at least 100 photos to show external hull, piping, surrounding areas, rudder, etc

301 Describe the type of hull, with details of bulkhead and framing

302 How many bulkheads? _____

303 How do they look like?

304 Which materials have been used to construct the hull?

Which materials have been used to construct piping system?

305 Is high tensile steel used in the construction of the hull?

In case your answer is yes, please advise grade and location

305 Is the vessel ICE STRENGTHENED?

306 Are cargo holds strengthened for heavy cargo? (see class certificate) (IF YES, listed below)

307 Tell about the condition of the external shell plating (include pictures)

308 Tell about the condition of the main, forecastle and poop deck plating (include pictures)

309 Tell about crossnet deck condition (include pictures) (for all crossnet areas)

310 Check the condition of shell (percentage of pitting) and Check the condition of painting. Notify if you see any blisters.

- 310 Tell about condition of handrails, bulwarks, deck/accommodation ladders, pilot ladder (include pictures)
- 311 Tell about the condition of internal shell plating, bulkhead and frames (include pictures)
- 312 Tell about the condition of watertight openings, ports, skylights and scuttles; check the rubber (include pictures)

- 313 Tell about the condition of ventilators, sounding pipes and filling pipes (include pictures)
- 314 Indicate percentage of hull and deck plating not coated (provide pictures)
 - 314.1 Port shell plating _____
 - 314.2 Starboard shell plating _____
 - 314.3 Main deck _____
 - 314.4 Forecastle deck _____
 - 314.5 Poop deck _____
- 315 Estimate the average of depth and frequency of pitting

	Shell Plating	Deck Plating
Depth	_____	_____
Frequency	_____	_____

- 316 Did you see any sharp indent on the shell or deck plating? Please specify the location of damage and its extent
- 317 Is there any buckling on the shell or deck plating? Please specify the location of damage and its extent
- 318 Tell which areas did you localize corrosion, and include pictures. (add more sheets if necessary)
- 319 Describe the overall hull condition
- 320 Describe the deck equipment including pictures and details of their condition, specially bases, rusted areas, sized conditions of mushrooms, openings, etc. (add more sheets if necessary)
- 321 Provide other remarks that could be important to mention.

400 HULL & MACHINERY MAINTENANCES

- 401 Request the Master and Chief Engineer to see the maintenance system and check if it is up to date. Request copies of records regarding running details, clearance of main engine and auxiliary engine, dry-dock reports, etc.
- 402 Is there a planned maintenance system which records overhaul dates and records of completed works?
- 403 In case your answer is NO, then describe maintenance procedures:
- 404 Include a list of spares parts
- 405 What is the procedure for acquisition of spares parts?
- 406 Request a list of engines and auxiliary engines

500 BALLAST TANKS CONDITION

Each ballast tank that you inspect must be provided with pictures – **Remember to follow the procedures stated on Circular NV 007, related To Enclosed Space Entry** (<http://www.novaveritasaudits.com/circulars/MarineCircular-007-EnclosedSpacesReg.pdf>) (You must inspect **at least**: Fore peak Tank; 2 Topside (St & Prt); Afterpeak tank; 2 Bottom tanks). Reproduce pictures of all components as framing, any doubled structure, anodes, wastage of structural part, web ring, etc.

Include a plan of Ballast Tank System and show which tanks have been inspected by you (if possible)

- 501 Does the vessel a regular inspection program for the ballast tanks?(explain)
- 502 Does the ship an approved Ballast Water management Plan?
- 503 Do Classification records indicates ballast tanks have significant corrosion?
- 504 Condition of coating (see class records)
- 505 Are segregated ballast tanks coated?
- 506 Are anodes fitted? What type of anodes?
- 507 Are cargo tanks used for ballast?
- 508 Are they coated?
- 509 If so, which type of coating?
- 510 Are anodes fitted? What type of anodes?
- 511 Is there an approved cargo/ballast tank manual on board?

600 CARGO HOLDS (General Cargo Vessels & Bulk Carriers)

Reproduce pictures of all components as framing, any doubled, ladders, coating failure, blasting percentage, etc.

Include a plan of holds and show which areas have been inspected by you.

Provide pictures of each hold, follow the Inspection Form provided.

- 601 Number of holds _____
- 602 Number of tween decks _____
- 603 Check condition of collision bulkhead to see if double _____
- 604 Check condition of collision bulkhead to see if is leaking _____

700 REEFER HOLDS (Reefer Cargo Ships)

Reproduce pictures of all components as framing, any doubled, ladders, coating failure, blasting percentage, etc.

Include a plan of holds and show which areas have been inspected by you.

- 701 Number of holds _____
- 702 Number of tween decks _____
- 703 Number of lockers _____

800 CONTAINERS HOLDS (Containers Ships)

Reproduce pictures of all components as framing, any doubled, ladders, coating failure, blasting percentage, etc.

- 801 Number of Holds _____

- 802 Number of Hatches _____
- 803 Number of tiers _____

900 PASSENGER / RO-RO / OFF SHORE VESSELS

(You must inspect all available holds, tanks, boats, decks, etc)

- 901 Number of decks _____
- 902 Number of ramps _____
- 903 Number of Generatos _____ Kw each: . _____
- 904 Number of passenger allowed _____
- 905 Number of Life Boat _____ Capacity _____
- 906 Number of Life raft _____ Capacity _____

1000 OIL & CHEMICAL TANKERS, GAS CARRIER, ORE OILERS

(You must inspect all available holds, tanks, boats, decks, etc)

1100 FISHING VESSELS

1200 NARRATIVE

Provide a narrative report (*the narrative should be no less than 20 lines written in an Arial 12 format, English language*)

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