SIRE 2.0 – Instructions for Uploading Photographs to the Photograph Repository

Version 1.0

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Document Control

Doc Version	Date	Change
1.0	07 April 2022	Initial release

Project Background

OCIMF established the Ship Inspection Report (SIRE) Programme in 1993 and it has developed and grown in scope since then. In 2022 the programme was renamed SIRE 2.0 after a complete revision of the inspection process. This included requiring the vessel operator to upload standardised vessel photographs applicable to the inspection process from a defined list. The photographs are made available to the assigned inspector through the inspection software prior to boarding and during the inspection.

Benefits

The photographs are used for condition verification by the inspector during the inspection and inserted in the final report for the information of the report recipient.

The photographs will allow the reader of the final report to assess the physical and cosmetic condition of the vessel being inspected rather than the inspector attempting to make a subjective evaluation of condition during the inspection.

SIRE 2.0 Vessel Operator Input

SIRE Vessel Operators provide key data into the SIRE 2.0 Inspection process.

Vessel Operator supplied data must be entered before a SIRE 2.0 Inspection can take place, and the Vessel Operator must declare that all entered information is accurate and is up to date.

Each of the four Vessel Operator supplied data entry areas are ‘living repositories’ of information that the Vessel Operator can update at any time, a snapshot of the data is taken for use within the SIRE 2.0 Inspection at the point the Vessel Operator makes their pre-inspection declaration.

The four areas are:

- Vessel Photograph Repository
- Vessel Certificate Repository
- Vessel Particulars (HVPQ)
- Vessel Pre-Inspection Questionnaire (PIQ)

SIRE 2.0 Vessel Photographs

Vessel Operators are required to upload a specific set of 36 or 42 standardised vessel photographs to the OCIMF Vessel Photograph Repository to participate within the SIRE 2.0 Programme, the photographs are then verified by the inspector during the SIRE 2.0 Inspection.

The photographs provided should be representative of the general condition of all similar areas. If the area shown in the photograph has been upgraded while the remaining similar areas have not, then the photograph cannot be considered to be representative of the general condition. Vessel operators and crews should not selectively upgrade areas of a vessel to permit unrepresentative photographs to be taken and uploaded.

Where a vessel is fitted with duplicated equipment, for example main engines, boilers or generators, a representative photograph of just one item of equipment should be uploaded.

Where a vessel is not outfitted with the equipment identified in a standard photograph, the vessel operator should follow the Vessel Photograph Unavailable instructions below which will result in the appropriate photograph question being tagged as ‘not applicable – equipment not fitted’ in the final report.

The vessel operator should upload a new set of photographs to the OCIMF database at approximately six-month intervals. The vessel operator may choose to extend the interval for refreshing the photographs on the database for as long as they consider them to remain representative. It is recommended that new photographs are uploaded prior to each inspection to ensure that the condition depicted in each photograph is fully representative.

To ensure consistency across all vessel types, the standard photograph set has been devised with a core set of photographs where the majority will be applicable to all vessel types, followed by a small selection of vessel type specific photograph locations.

Core photograph set

1 Bow area from dead ahead.
2 Hull forward end starboard side.
3 Hull forward end port side.
4 Hull aft end starboard side.
5 Hull aft end port side.
6 Transom from right astern.
7 Forecastle port side looking towards fairleads.
8 Forecastle starboard side looking towards fairleads.
9 Port or starboard windlass.
10 Forward main deck showing condition of deck (and external framing).
11 Forward main deck showing condition of pipe-rack.
12 One mooring winch showing brake setting arrangement.
13 One hose crane overall view.
14 One hose crane showing hoisting winch, stowed wire, and limit switches.
15 Starboard manifold looking from aft to forward.
16 Starboard manifold looking forward to aft.
17 Aft main deck showing condition of deck (and external framing).

18 Aft main deck showing condition of pipe-rack.
19 Poop deck looking from midships to starboard including fairleads.
20 Aft emergency towing equipment storage arrangement.
21 Aft emergency towing equipment deployment system.
22 Lifeboat and davit.
23 The emergency generator or accumulator batteries.
24 Engine room general view showing top of main engine.
25 One generator engine.
26 The oil filtering equipment.
27 The incinerator.
28 One boiler from the front.
29 One boiler from the top showing control equipment.
30 Purifier room general view.
31 Main engine side showing local control station.
32 Steering gear room general view showing access.
33 Main steering gear.

Crude / product / chemical tankers / OBO

40 IG system pressure/vacuum-breaking (P/V) device.
41 IG system first non-return device (deck seal or double block and bleed arrangement).
42 One main cargo pump and, if in pump room, including bilges.

LPG pressurised

50 A cargo tank liquid dome including load and discharge valve.
51 Electric motors for deepwell pumps.
52 Compressor / motor room internal view.

LPG refrigerated

60 A cargo tank liquid dome including load and discharge valve.
61 Electric motors for deepwell pumps.
62 Compressor room internal view.

LNG Membrane type

70 A cargo tank liquid dome including load and discharge valve.
71 A cargo tank vapour dome including cargo system relief valves.
72 Compressor house internal view.

LNG Moss type

80 A cargo tank liquid dome including load and discharge valve.
81 General view of one moss sphere.
82 Compressor house internal view.

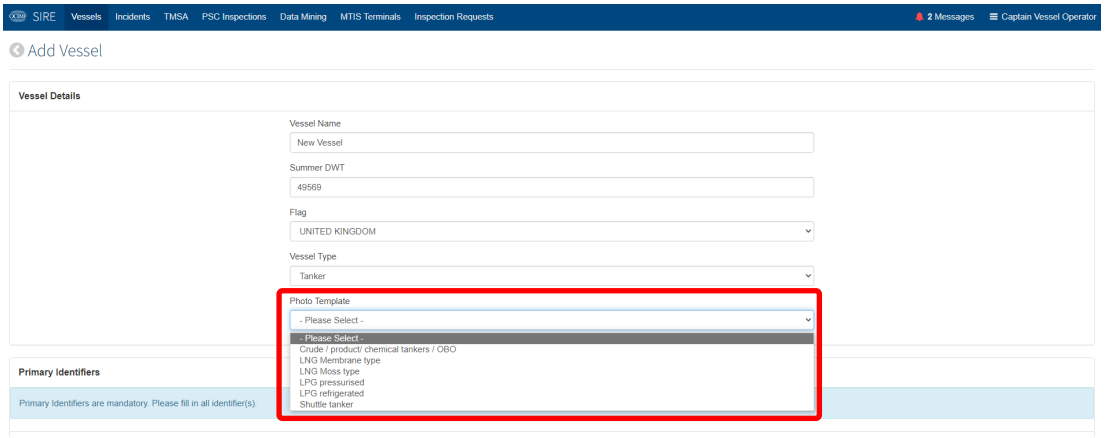
Shuttle tanker

90 Bow mooring arrangement from forward looking aft showing chain stopper.
91 Bow mooring arrangement from aft looking forward showing winch.
92 General view of hose connection area.
93 Hose coupling arrangement.
94 General view forward bow thruster room.
95 Forward bow thruster room showing one azimuth thruster.

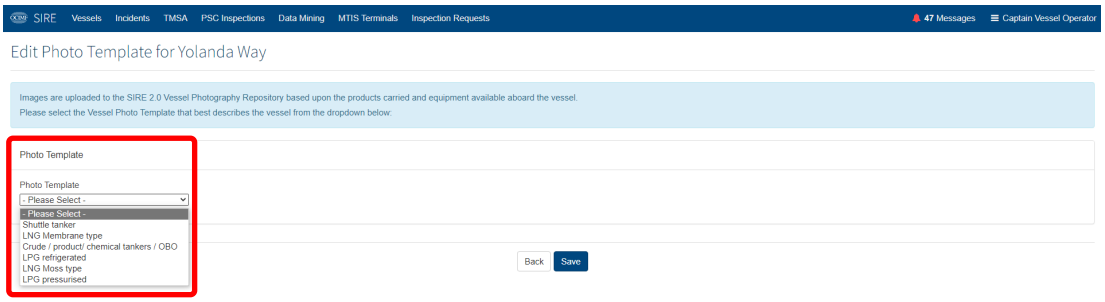
Selecting a Vessel Photograph Template

Before photographs can be uploaded to the Vessel Photograph Repository, a vessel must be assigned a Photograph Template to confirm which standardised set of photographs are applicable to the vessel.

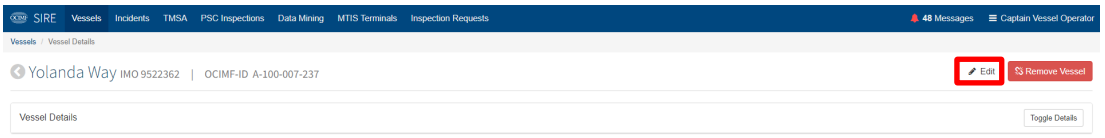
When adding a new vessel, the Photo Template must be assigned before the vessel can be created within SIRE.



For vessels that existed within SIRE prior to the launch of SIRE 2.0, the option to set the SIRE 2.0 Vessel Photograph Template will be presented to the user the first time the Vessel Photograph Repository is launched.

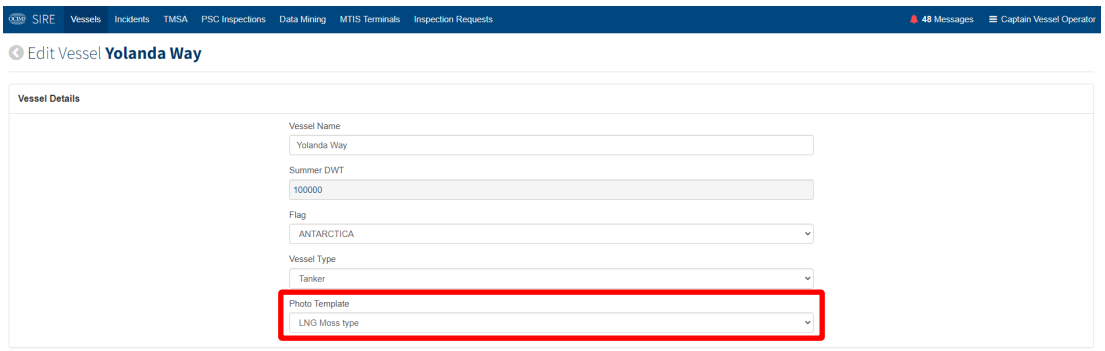


If the incorrect Vessel Photograph Template has been selected, the template can be updated via the Edit Vessel Details page.



Selecting the

icon opens the 'Edit Vessel' page, from where the Photograph Template can be updated.



If a vessels Photograph Template is changed, any previously uploaded photographs that are part of the **Core photograph set** are retained, however, any previously uploaded photographs for vessel type specific locations are automatically removed.

Vessel Photograph Criteria

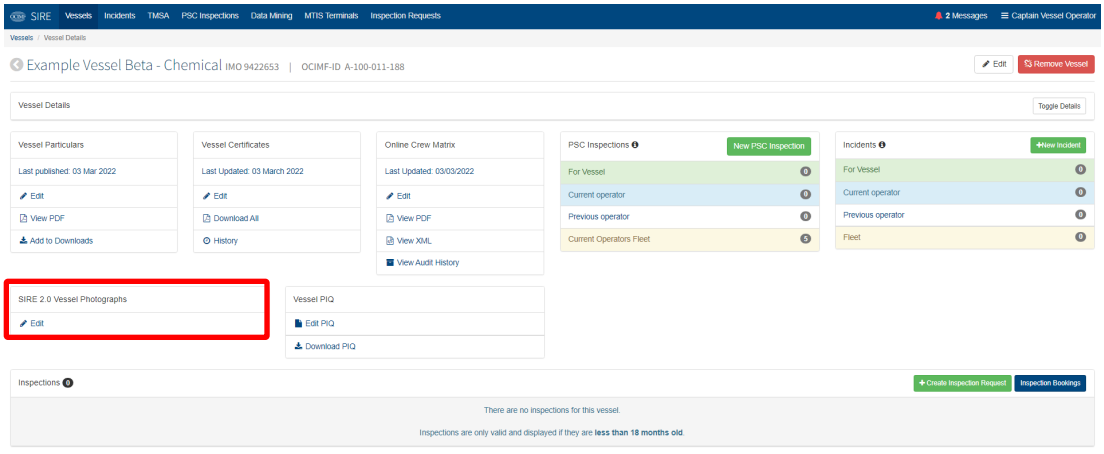
When preparing photographs for upload to the SIRE 2.0 Vessel Photograph Repository, please ensure that they adhere to the following criteria:

- **Image Criteria:**
  - Photographs must be in colour.
  - Photographs must be clear and in focus.
  - Photographs must be taken in landscape orientation.
  - Where possible, photographs should be digitally time and date stamped within the image.
  - Photographs must not include images of humans.
  - Photographs must be in high-resolution.
- **Acceptable file types:** .jpeg or .png only.
- **Acceptable file size:** to a maximum of 10Mb.

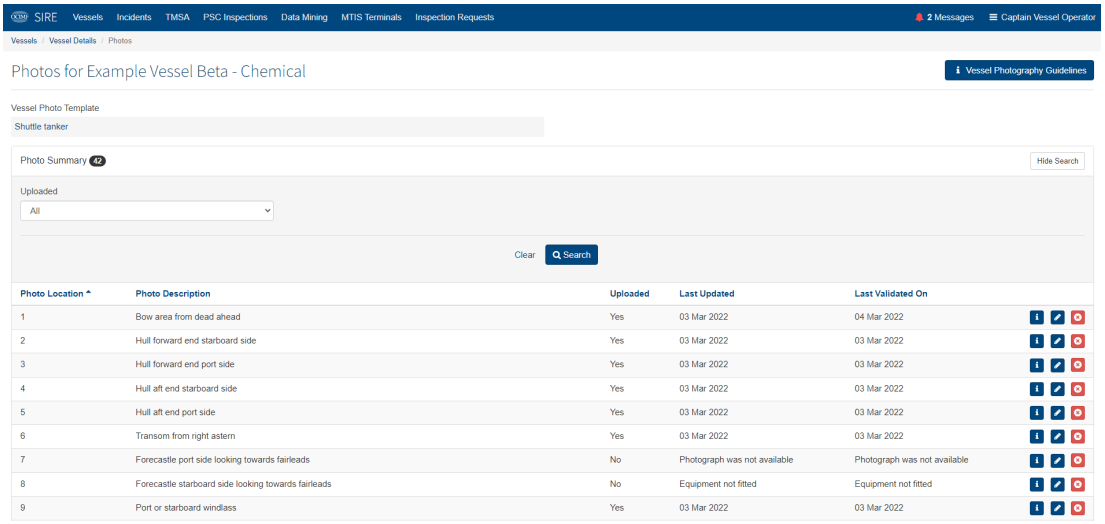
Accessing the SIRE 2.0 Vessel Photograph Repository

To access the Vessel Photograph Repository, users must have been assigned the 'SIRE – Operator User Can Manage Vessel Photographs' role.

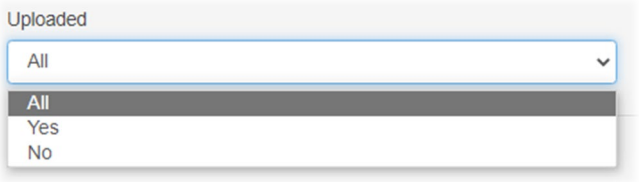
Each vessel within the vessel operators' fleet has its own Vessel Photograph Repository, which is accessed from the vessel details page:



Selecting the Edit icon will open the Vessel Photography page.



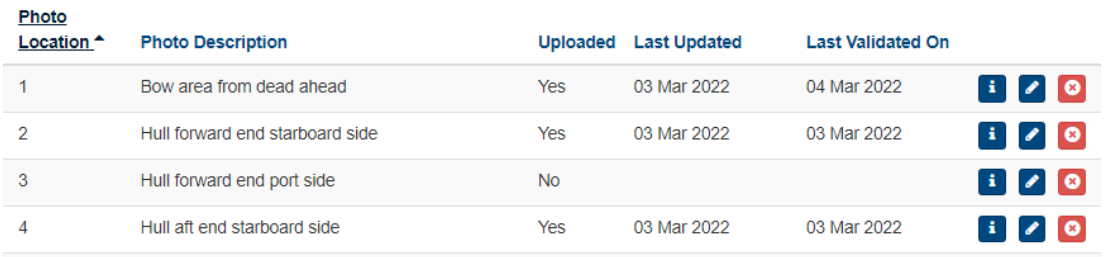
The Vessel Photography page displays the list of photograph locations that are applicable to the vessel based upon the Photograph Template selected; the list can filtered to only display those locations that still require a photograph to be uploaded by using the 'Uploaded' filter.



To apply the filter, make a selection from the drop-down, then press the Search button. To remove the filter, select All or press the Clear button. To access the filter, press Show Search.

For each Photograph location within the Vessel Photograph grid, the following information is displayed:

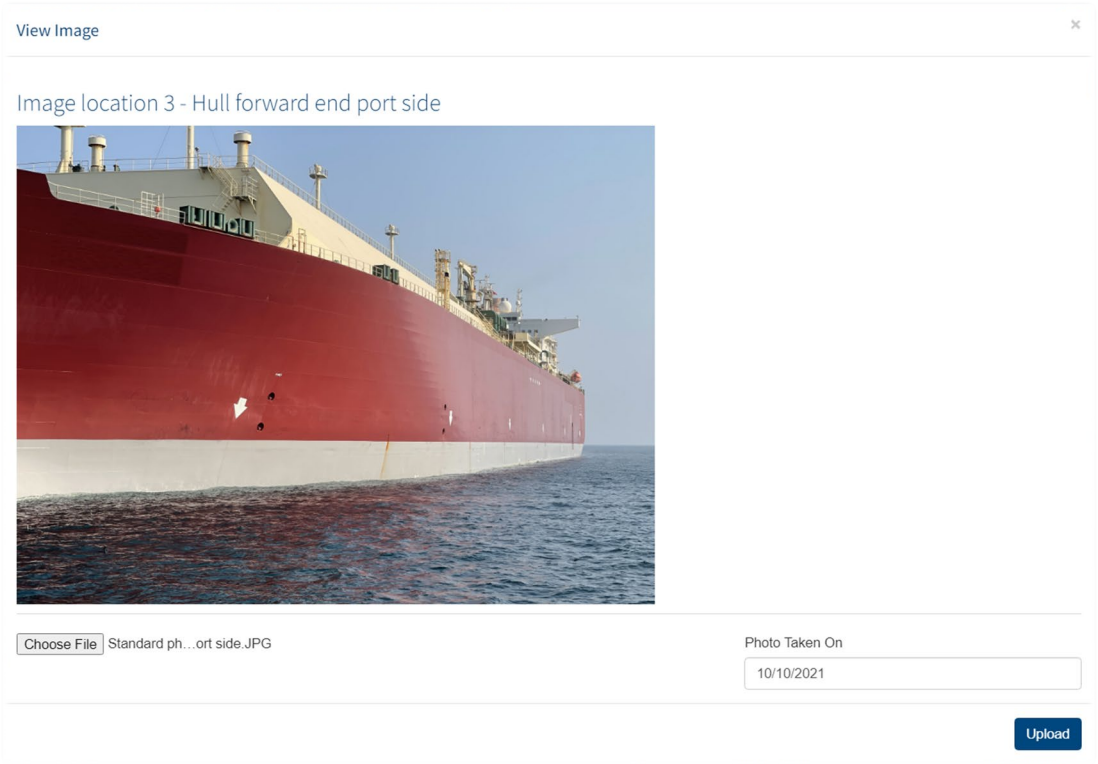
- **Photo Location –** identifier for the photograph location within the Vessel Photograph List
- **Photo Description** – textual description of the Photograph location.
- **Uploaded** – Yes / No
- **Last Updated** – date the photograph was uplaoded to SIRE
- **Last Validated On** – date the photograph was last reviewed and validated by the vessel operator



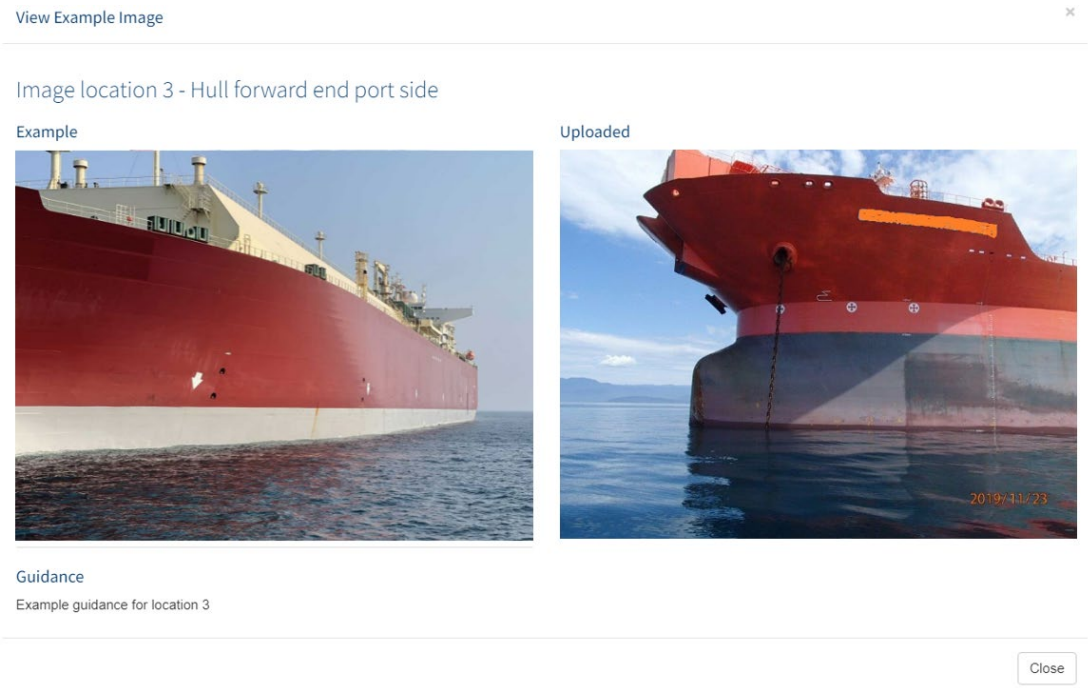
Uploading a Vessel Photograph

To add a Vessel Photograph, select the Pen ( ) icon.

Browse to the desired photograph file using the standard file picker, the date upon which the photograph was taken must be suipplied.

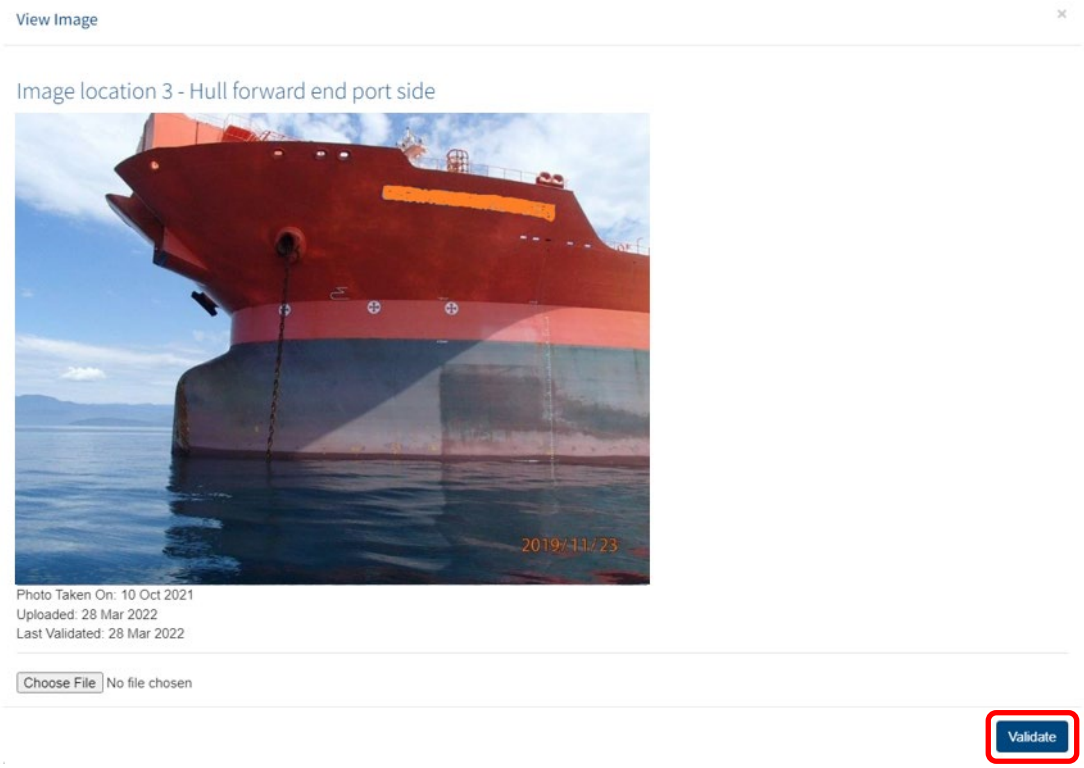


Selecting the information icon ( ), opens a comparison pane displaying the currently uploaded photograph and the ideal example image.



Validating an existing Vessel Photograph

If an existing photograph is still representative of the condition of the location and/or the equipment, then it can simply be validated rather than having to upload a new image.



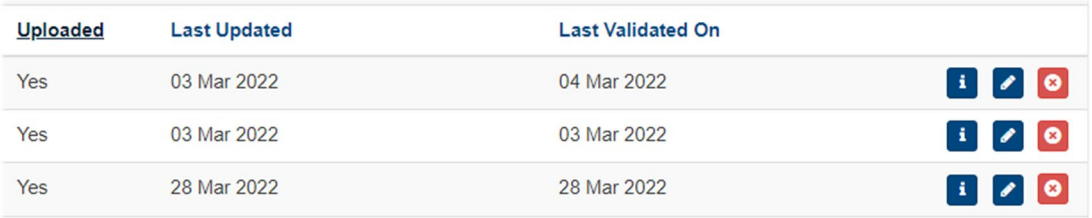
Once the 'Validate' button is pressed the 'Last Validated' timestamp is updated.

Updating a Vessel Photograph

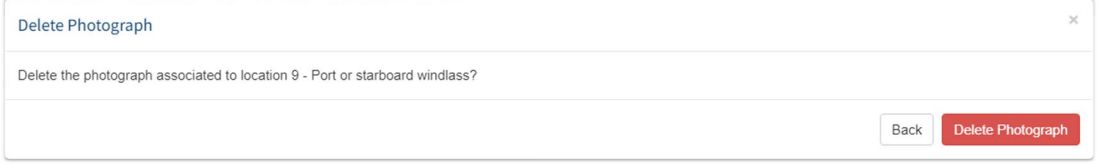
If the vessel photograph is no longer representative of the condition of the location and/or equipment, a new photograph can be uploaded by selecting the 'Choose File' icon and browsing to the new image.

Deleting a Vessel Photograph

If a vessel photograph has been uploaded in error, the photograph may be deleted by selecting the cross icon ( ).



The user must confirm the action before the photograph is deleted from SIRE.

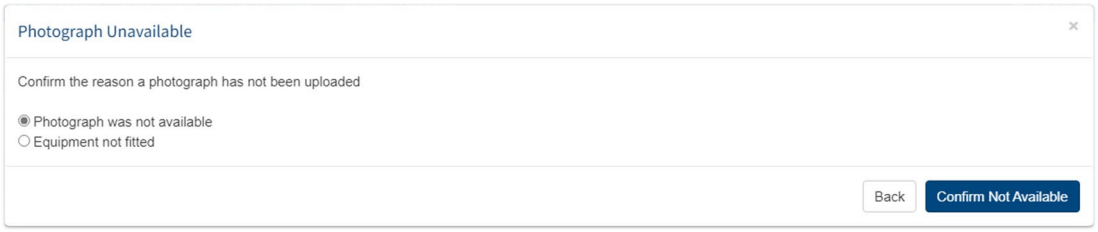


Vessel Photograph Unavailable

If a photograph is not available for any location, a reason must be provided.

If no photograph is uploaded for a location, selecting the cross icon ( ) opens the 'Photograph Unavailable' menu, from which the reason can be selected from either:

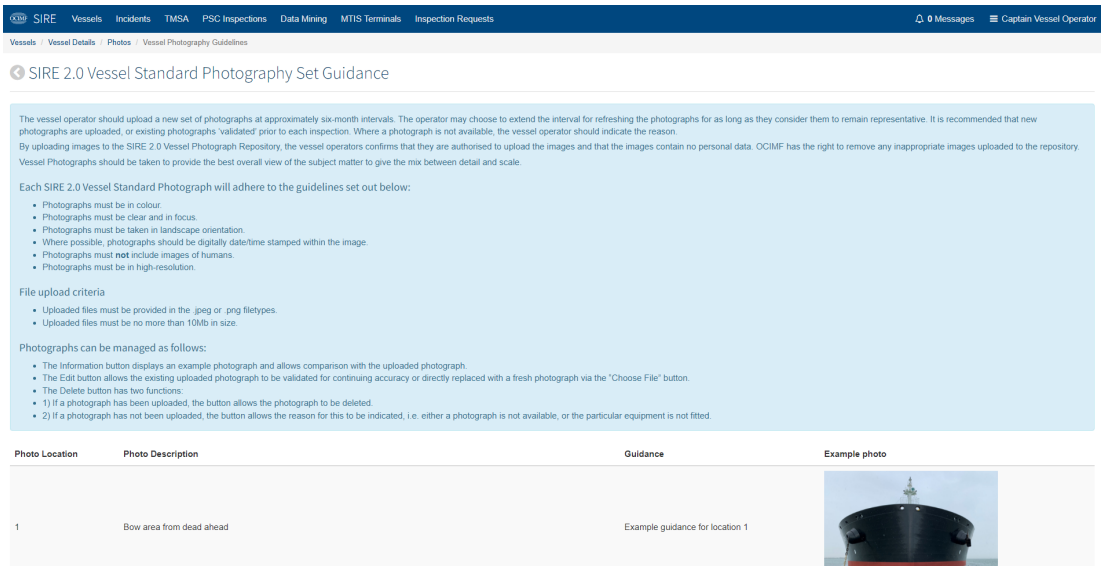
- Photograph was not available
- Equipment not fitted



The Photograph Unavailable reason is then carried through to the Inspectors tablet for verification during the SIRE 2.0 Inspection.

SIRE 2.0 Vessel Standard Photography Set Guidance

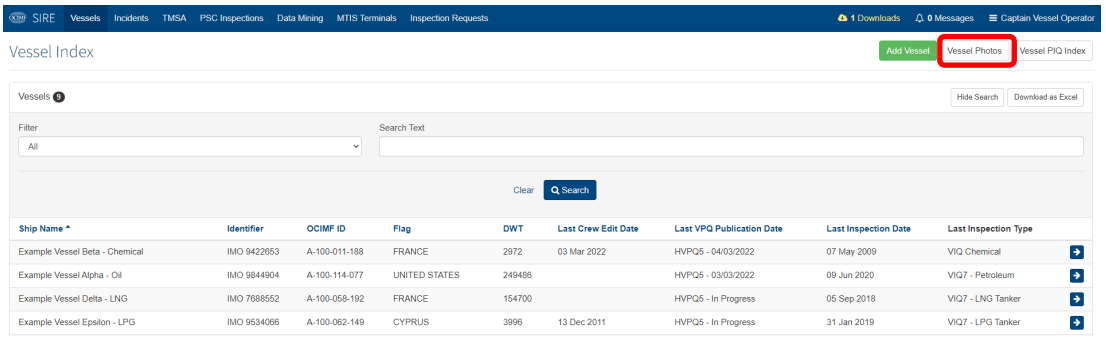
Selecting the Vessel Photography Guidelines icon displays the guidelines for acceptable vessel photography along with example photographs for each of the locations.



Vessel Photograph Index

The Vessel Photograph Index page provides a summary of both the number and relative ages of the uploaded photographs for each vessel within an operator's fleet.

The Vessel Photograph Index is accessed by selecting the 'Vessel Photos' button from upon the Vessel Index page.



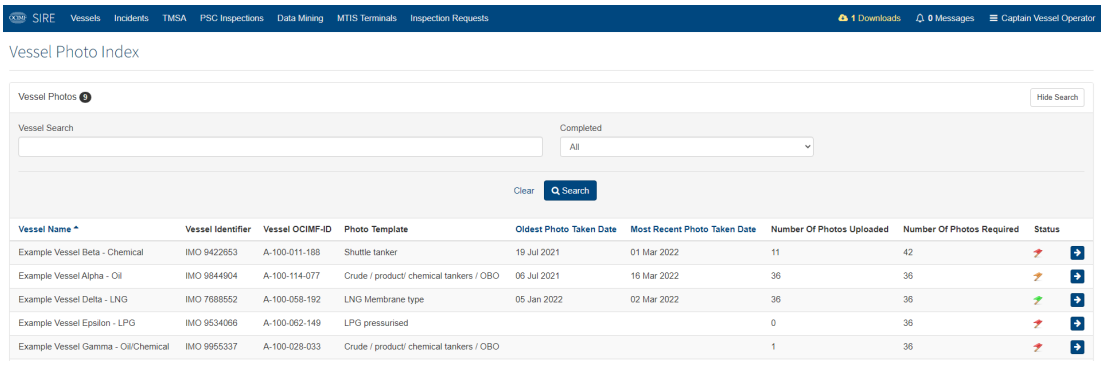
The Vessel Photograph Index provides the following information for each vessel:

- Photograph Dates – the date taken for the most recent and oldest photograph for the vessel
- Number of Photographs – total number of photographs uploaded for the vessel and the expected number for the selected template.
- Status – Red / Amber / Green rating for the vessel's photography

  One or more vessel photograph locations does not have an entry.

  All vessel photograph locations have an entry, however, at least one photograph has a date 'Last Validated On' over six months in the past.

  All vessel photograph locations have an entry and all entries have been validated or have a Photograph Taken date within the last six month.



The Vessel Photograph Index can be filtered to only display those vessels that still require photographs to be uploaded by using the Completed filter.

To apply the filter, make a selection from the drop-down, then press the Search button. To remove the filter, select All or press the Clear button. To access the filter, press Show Search.

Appendix 1 – Example Vessel Photographs

Appendix 1 contain the example vessel photograph images included within the SIRE 2.0 Vessel Photograph Repository.

Each image illustrates the desired overall view of the subject matter.

Core photograph set (1 to 33)

Standard photo (1) Bow area from dead ahead

Standard photo (2) Hull forward end starboard side

Standard photo (3) Hull forward end port side

Standard photo (4) Hull aft end starboard side

Standard photo (5) Hull aft end port side

Standard photo (6) Transom from right astern

Standard photo (7) Forecastle port side looking towards fairleads

Standard photo (8) Forecastle starboard side looking towards fairleads

Standard photo (9) Port or starboard windlass

Standard photo (10) Forward main deck showing condition of deck (and external frame)

Standard photo (11) Forward main deck showing condition of pipe rack

Standard photo (12) One mooring winch showing brake setting arrangement

Standard photo (13) One hose crane overall view

Standard photo (14) One hose crane showing hoisting winch, stowed wire, and limit

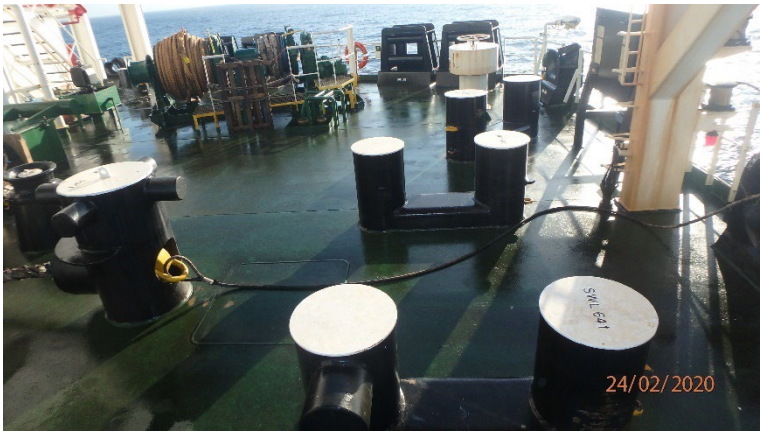
Standard photo (15) Starboard manifold looking from aft to forward

Standard photo (16) Starboard manifold looking forward to aft

Standard photo (17) Aft main deck showing condition of deck (and external framing)

Standard photo (18) Aft main deck showing condition of pipe rack

Standard photo (19) Poop deck looking from midships to starboard including fairleads



Standard photo (20) Aft emergency towing equipment storage arrangement

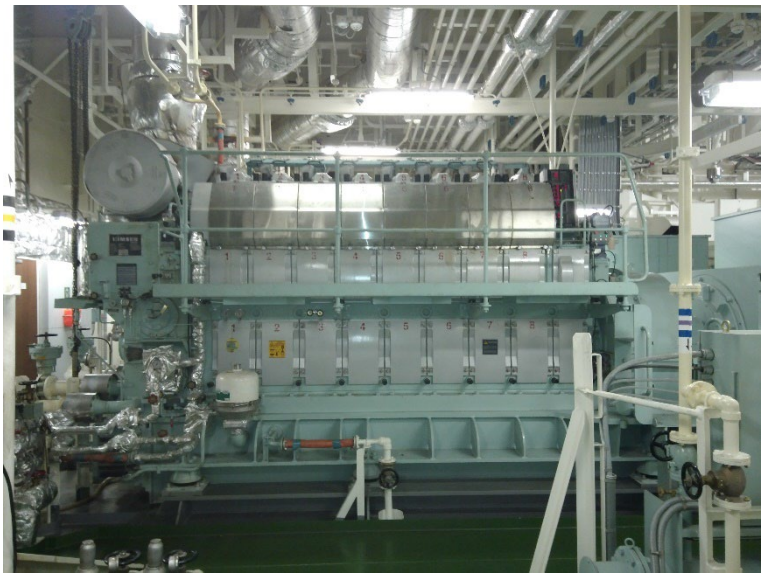
Standard photo (21) Aft emergency towing equipment deployment system

Standard photo (22) Lifeboat and davit

Standard photo (23) The emergency generator or accumulator batteries

Standard photo (24) Engine room general view showing top of main engine

Standard photo (25) One generator engine



Standard photo (26) The oil filtering equipment

Standard photo (27) The incinerator

Standard photo (28) One boiler from the front

Standard photo (29) One boiler from the top showing control equipment

Standard photo (30) Purifier room general view

Standard photo (31) Main engine side showing local control station

Standard photo (32) Steering gear room general view showing access

Standard photo (33) Main steering gear

Crude / product / chemical tankers / OBO (40 to 42)

Standard photo (40) IG system pressure vacuum breaking (PV) device

Standard photo (41) IG system first non-return device (deck seal or double block)

Standard photo (42) One main cargo pump and, if in pump room, including bilges

LPG pressurized (50 to 52)

Standard photo (50) Cargo tank liquid dome

Standard photo (51) Electric motor for deep well pump

Standard photo (52) Compressor motor room internal view

LPG refrigerated (60 to 62)

Standard photo (60) Cargo tank liquid dome LPG Semi tank dome

Standard photo (61) LPG semi deepwell pumps

Standard photo (62) Compressor motor room internal view

LNG Membrane type (70 to 72)

Standard photo (70) Cargo tank liquid dome

Standard photo (71) Cargo tank vapour dome

Standard photo (72) Compressor house internal view

LNG Moss type (80 to 82)

Standard Photo (80) Cargo tank liquid dome

Standard Photo (81) General view of Moss sphere

Standard photo (82) Compressor house internal view

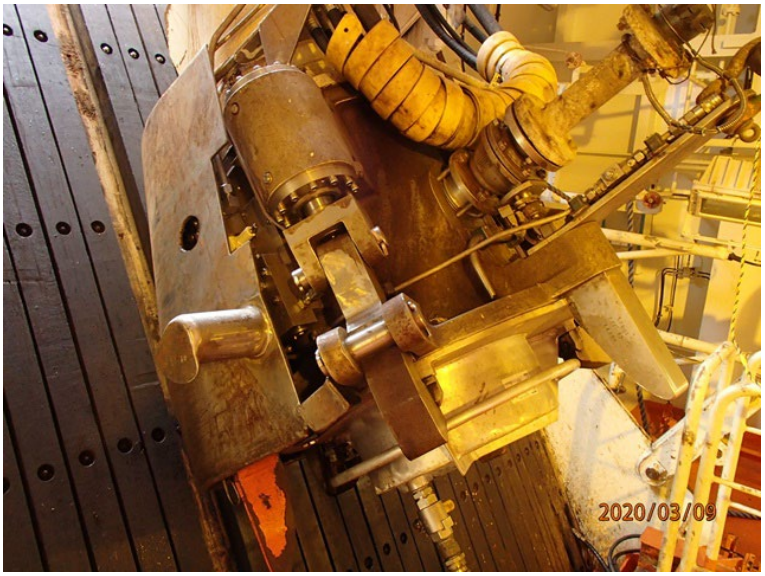
Shuttle tanker (90 to 95)

Standard photo (90) Bow mooring arrangement from forward looking aft

Standard photo (91) Bow mooring arrangement from aft looking forward showing winch

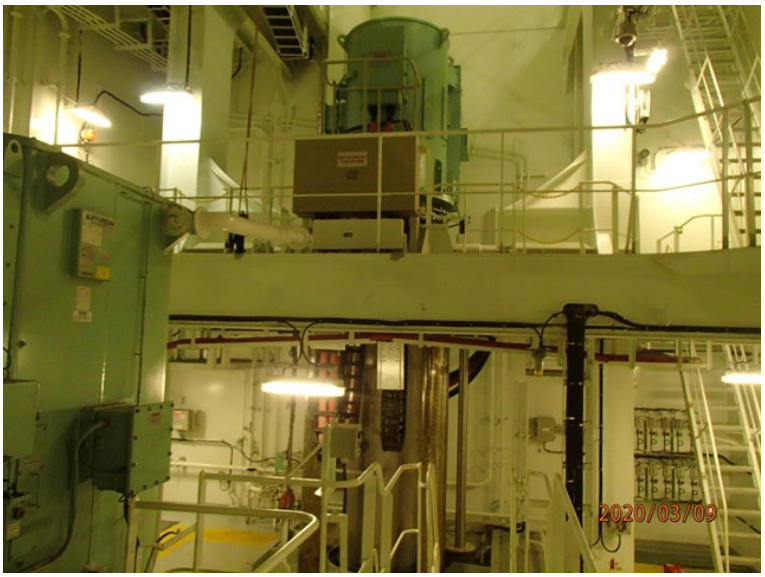
Standard photo (92) General view of hose connection area

Standard photo (93) Hose coupling arrangement



Standard photo (94) General view forward bow thruster room

Standard photo (95) Forward bow thruster room showing one azimuth thruster



Our vision
A global marine industry that causes no harm to people or the environment

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