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## Part C

# Survey Questionnaire

## Barges - Liquid Cargo

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Barge Name

Date survey completed:

Survey Port:

Surveyor:

Surveying company:

Surveyor's Ref. number:

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Order club:

Club ref. No:

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# 5. Survey Questionnaire - Liquid Cargo Barges

## 5.1 Cargo tanks and systems

		Y	N	NA	NI	Remarks:
5.1.1	Are cargo tanks suitable for the carriage of nominated cargoes? Is tank coating in apparent satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.2	Is the structure in cargotanks apparently free from significant corrosion,pitting, scaling, buck-ling, dents, fractures, wastage, doublers, temporary repairs etc?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.3	Is plating under suction bell mouths in apparent satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.4	Are cargo pumps and stripping arrangements fully operational including associated monitoring, alarms instrumentation and controls?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.5	Are cargo pump emergency stops properly located and regularly tested?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.6	Is the condition of pipework in tanks or passing through in apparent satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.7	Are deck cargo piping, manifolds and relevant deck equipment suitably marked and in apparent satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.8	Are reducers, removable U-bends and cargo hoses in satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.9	Are spill trays and savealls in satisfactory condition and free from cargo?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.10	Are portable instruments provided as required, are records kept of recent calibration?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

5.1.11	Are all electrical appliances suitable for use in hazardous areas?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.12	Are pumps and shaft bearings in apparent satisfactory condition and free from leaks?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.13	Is pump control area clean tidy and free from cargo?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.14	Is pump control area suitably ventilated?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.15	Is the cargo heating system operational and well maintained?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.16	Are manifolds fitted with drain lines and purge points and are the valved and capped?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.17	Has a SIRE and / or CDI vetting inspection been carried out recently?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.18	Are P.V. valves and / or vapour return lines fitted, operational and in apparent satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.19	If fitted, is inerting system fully operational, well maintained and in apparent satisfactory condition with records maintained?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.1.20	Have all pipelines, cargo hoses, reducers and couplings been pressure tested recently and marked with date?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Additional information						
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## 5.2 Tank cleaning system

Y N NA NI Remarks:

5.2.1 Is the tank cleaning system in apparent satisfactory condition and fully operational?

5.2.2 Are suitable procedures and plans provided and followed for tank cleaning?

Additional information

## 5.3 Closing appliances

Y N NA NI Remarks:

5.3.1 Are closing devices, associated gaskets and securing arrangements on the free-board deck in apparent satisfactory condition?

5.3.2 Are vapour locks fitted, calibrated and operational?

5.3.3 Are air locks, if applicable, operational and in satisfactory condition?

Additional information

**5.4 Cargo control**

		Y	N	NA	NI	Remarks:
5.4.1	Are cargo monitoring indicators, controls and panels in satisfactory condition?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.2	Are records kept of cargo operations?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.3	Is the tank gauging system operational?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.4	Are routines in place for regular gas detection and monitoring?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.5	Are safety guidelines regarding static hazards in place and strictly adhered to?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.6	Is Oil Discharge Monitoring Equipment fitted and apparently operational?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.7	Are suitable arrangements in place for cargo sampling?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.8	Is suitable cargo information available?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.9	Are plans / procedures in place for loading and discharge of cargo?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5.4.10	Are there procedures / checklists in place for barge / shore information exchange including emergency shutdown procedures?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Additional information						
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**5.5 Regulatory requirements**

Y N NA NI Remarks:

5.5.1 Is the barge compliant with the requirements of OPA90?

5.5.2 Does the barge comply with the requirements of the Convention on Civil Liability(CLC)?

Additional information

**5.6 Safety and operational test**

Y N NA NI Remarks:

5.6.1 Relevant cargo high level alarms

5.6.2 Remote cargo pump stops and shutdowns

5.6.3 Decontamination showers and eye baths on deck (operational under all ambient weather conditions?)

Additional information