



**DROMON**  
CLASS

# Dromon PSC Inspection Regime /

Annual Report 2016

bridge the gap

March 2017

# content /

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# Frequently imposed detainable PSC deficiencies /

During 2016, our Port and Flag State Inspection department continuously monitored the PSC inspections in four (4) major Authorities (Paris, Tokyo, Black Sea and Mediterranean). More than 600 PSC inspections have been recorded in more than 25 countries giving us the opportunity to have a large database for analysis. Our aim is to identify detainable deficiencies imposed on board our fleet as well as implement procedures to assist our clients for minimizing the risk of re-occurrence.

Dromon, releases annually an internal Concentrated Inspection Campaign (CIC) on a specific subject which assist Owner/ Managers/ Operators to improve the performance/ condition on board their fleet. The CIC for 2017 will be announced in March and will be related to Fire Safety. This area of inspection has been selected due to the frequent detainable deficiencies imposed on board our ships in 2016.

Below are the most frequent areas of detention on board our fleet:

- Fire Safety contributed 18% on detentions
- Safety of Navigation contributed 13% on detentions
- Life Saving Appliances 12% on detentions
- Emergency Systems contributed 08% on detentions

There are also other categories of inspection which resulted in 2016 at a detention of vessels. These are: ISM, Radio Communication, Water/Weather Conditions, Labour Conditions, Certificates and Documentations, Structural Conditions, Alarms, etc.



# Attention into Detainable Deficiencies!!! /

Owner/ Managers/ Operator/ Crew shall pay special attention to the list deficiencies outlined in the table below since these are the most frequent detainable items.

## Frequent Categories of Inspection with deficiencies

### Life Saving Appliances

- Lifeboats / Rescue boats
- Lifeboats inventory
- Stowage and provisions of lifeboats
- Inflatable liferafts
- Stowage of liferafts
- Launching arrangements
- Means of rescue
- Lifebuoys/Lifejackets
- Immersion suits
- Radio life-saving appliances
- Emergency equipment for 2 way
- Embarkation arrangements
- Line throwing appliances
- On board training and instructions
- Maintenance and Inspection

### Safety of Navigation

- Inoperative Automatic Identification System (AIS)
- Inoperative VDR / SVDR
- Nautical Publication not updated
- Inoperative Echo Sounder
- Rudder Angle indicator out of order
- Pilot ladder and hoist/Pilot transfer arrangements not serviced
- Type approval equipment missing
- Magnetic compass Inoperative
- Signaling Lamp out of order
- Charts not updated / missing
- Life saving Signals not updated
- Missing Records of drills and steering gear test
- Voyage or Passage Plan not prepared
- Navigation Bridge visibility
- Bridge Operation
- Long Range Identification and Tracking System (LRIT)
- Bridge Navigational Watch Alarm System not working

### Life Saving Appliances

- Lifeboats / Rescue boats
- Lifeboats inventory
- Stowage and provisions of lifeboats
- Inflatable liferafts
- Stowage of liferafts
- Launching arrangements
- Means of rescue
- Lifebuoys/Lifejackets
- Immersion suits
- Radio life-saving appliances
- Emergency equipment for 2 way
- Embarkation arrangements
- Line throwing appliances
- On board training and instructions
- Maintenance and Inspection

### Emergency Systems

- Emergency fire pumps and its pipes
- Emergency lighting, batteries and switches
- Low level lighting in corridor
- Location of Emergency installation
- Emergency steering position communication/compass reading
- Emergency towing arrangement and procedures
- Muster List not updated
- Fire Drills not carried out as per schedule
- Abandon Ship Drill not carried out as per schedule
- Water level indicator not fitted
- Emergency source of power-Emergency generator
- Means of communication between safety center and other control station
- Enclose space entry and rescue drills

# Comparing the PSC inspection results /

Comparing the result between 2016 and 2015, the PSC detainable deficiencies on board our fleet have been decreased. This shows an improvement of Dromon vessel's condition since detainable items as well as deficiencies have been decreased.

On the other hand, comparing the detainable areas between 2015 and 2016, it has been noticed that in some areas there is an increase in the number of deficiencies. The areas of inspection that showed an increase in deficiencies are Labour Condition – conditions of employment, Labour conditions - Health Protection, medical Care, Social Security and ISM.

The chart below illustrates the percentage of detainable areas for the last three consecutive years.



# Concentrated inspection campaigns /

## Dromon CIC on Fire Safety

Dromon Port and Flag State inspections department in co-operation with the Survey department will release in March 2017 a #PSC\_Notification with the 9th concentrated inspection campaign associate with fire safety. The CIC on this category of inspection has been selected due to the significant increase of recorded deficiencies during 2016. The CIC will start in April until July 2017.

## 2017 CIC of Paris MoU

The 49th Committee meeting took place at Haugesund, the Norway from 23 to 27 May 2016, where a CIC on MARPOL Annex VI has been announced to commence from September 30 to the end of November 2017. Following the committee, this decision taken due to the importance of the environmental awareness and compliance and especially regarding the prevention of air pollution from ships. Dromon will inform everyone in due time on the requirements of this CIC and provide further guidelines.





# PSC INSPECTION CHECK LIST

**SHIP NAME:** \_\_\_\_\_

**IMO NO:** \_\_\_\_\_

## CERTIFICATES & DOCUMENTATION

Certificate	Valid & Correctly Endorsed (as applicable)		
	YES	NO	N/A
Flag Registry Certificate			
Class Certificate			
Radio Station License			
Safe Manning Certificate			
Tonnage Certificate			
Load Line Certificate			
Safety Construction Certificate			
Safety Equipment Certificate			
Safety Radio Certificate			
IOPP Certificate			
Sewage Pollution prevention Certificate			
Air Pollution Prevention Certificate			
Chemical Fitness Certificate			
Gas Fitness Certificate			
Grain Loading Certificate			
Document of Compliance with the Special Requirements for Ships Carrying Dangerous Goods			
Exemption Certificate(s) if any			
Safety Management Certificate (SMC)			
Document of Compliance (DOC)			
International Ship Security Certificate			
Maritime Labour Certificate (MLC)			
Antifouling System Certificate			

## STCW

Item	Addressed		
	YES	NO	N/A
Crew on board is in accordance with the requirements as per Safe Manning Certificate			
Master, deck officers, engineer officers and ratings have a Certificate of competence available			
Officers' license have endorsements by the Flag Administration as appropriate			

Crewmembers have a valid medical examination Certificate			
New crew members on board are familiar with their duties, responsibilities and the safety equipment			
Rest hours documentation of the crew duly signed and readily available			
Table of working hours is posted and is easily accessible			

## HULL

Item	Addressed		
	YES	NO	N/A
Ship's side shell plates without damage and excessive wastage (as far as visible)			
Bulwarks, handrails and cat walks without signs of damage and excessive wastage			
Cargo holds structure without damages and excessive wastage (e.g. bulkheads, frames, brackets, tank tops etc.)			
Hatch cover arrangements including gaskets in good condition to close weathertight, without signs of wastage			
All closing appliances in good working condition			
Ventilators and air pipes including any closing appliances properly working without signs of damage or wastage and able to close air-tight			
Closing devices of all sounding pipes properly working			
Weather tight doors and small access hatches in good condition and close weathertight			
Draft marks and Plimsoll marks painted in different colour			
Plimsoll marks permanently marked on hull in accordance with the Load Line Certificate			

## MACHINERY & POLLUTION PREVENTION

Item	Addressed		
	YES	NO	N/A
Electric cable arrangements properly installed and insulated (no loosing wires)			
Light covers properly fixed			
Around the electrical main switchboard is provided an insulation mat			
Engine room in clean condition			
Main propulsion system is working properly			
Auxiliary engine and power system including 100% power redundancy working properly			
Emergency generator arrangement for immediate supply of electrical power working properly			
Jacketed piping system on high pressure fuel lines properly installed and alarms working			
Exhaust and vapour pipes properly insulated			
Engine alarm arrangements working properly			
All engines and piping systems free of leakage			
Anchoring equipment in good condition			
Mooring ropes in good condition			
Oily water separation system in good working condition together with testing arrangements and the crew is familiar with the system and its use			
15ppm alarm and stopping arrangements in good working condition			



Piping arrangements in good condition (no signs of damage and/or corrosion)			
Bilges and other machinery areas free of excessive oil			
Oil record book is updated, entries are correct and periodically signed by the Master (codes used are correct and tanks listed as per IOPP Certificate)			
Manuals for tankers, chemical tankers and gas carriers available on board			
SOPEP available and approved onboard (includes updated communication data of Focal Point List as per IMO)			
SMPEP available on board (for ships certified to carry Noxious Liquid substances in bulk) with updated Focal Point List			
Garbage is collected and separated in closable bins as required and garbage record book entries are correct			
Onboard readily available proof that while navigating in restricted areas low sulphur fuel is used			
Crew is familiar with the sewage system and the treatment plan. Necessary drawings available on board.			

## LIFE SAVING APPLIANCES

Item	Addressed		
	YES	NO	N/A
Lifeboats with all parts in good condition without wastage, blocks and release mechanisms properly maintained and the crew is familiar with safe use of launching and release gear			
Lifeboat inventory complete and in good condition with dates of expiration for pyrotechnics and foodstuff rations recorded and not outdated			
Rescue boats complete and in proper condition with the inventory stored as required			
Lifeboat/rescue boat engines in good working condition and starting easily			
Life rafts and launching arrangements in good working condition and properly marked			
Hydrostatic release for the rafts correctly connected and not outdated			
Equipment for embarkation for additional life raft available (raft at the bow)			
Launching arrangements for rescue boats and life rafts including limit switches in good condition and without wastage			
Annual thorough examination of the launching appliances and on-load release gear has been carried out and relevant documentation available onboard			
Embarkation ladders including their shackles and padeyes on deck in good condition			
Wire falls of all launching/recovery arrangements in good condition and renewed as required			
Lifebuoys (including reflective tape, correct ship's name/home port and lights with non-outdated batteries or smoke signals) available in sufficient amount and in good condition			
"Heavy" lifebuoy (4.5kg) attached to the smoke/lightbuoy at bridge wings in a free fall arrangement			
Lifejackets (including whistles plus lights and non-outdated batteries) found in good condition and sufficient amount as per Certificate. Additional lifejackets available on board			
Line throwing appliances complete with expiration dates of the pyrotechnic units			
Parachute distress signals available on board in sufficient quantities and in good condition with expiration dates not outdated,			

found on the bridge in an appropriate containment which is marked appropriately			
Immersion suits (including lights and special attachments) available for all personnel onboard and stored in good condition. Additional suits available at remote working stations as required			
Emergency illumination at all survival craft stations sufficiently working also illuminating the ship's side and the instructions posted			

<b>FIRE FIGHTING APPLIANCES</b>			
<b>Item</b>	<b>Addressed</b>		
	<b>YES</b>	<b>NO</b>	<b>N/A</b>
Fire main piping and all hydrants in good condition without signs of corrosion or wastage and without soft patches. Also, couplings and valves free of leakages			
Fire pumps including prime mover in engine room in good working condition and with sufficient delivery of water pressure			
Emergency fire pump including prime mover in proper working condition with sufficient suction and delivered water pressure. Also, exhaust lines properly insulated.			
Fire stations (including equipment of hoses, nozzles, spanners) in good condition. More specifically, nozzle spray adjustments workable and hoses without deterioration			
Portable fire extinguishers available on board in good condition as per Fire & Safety Plan (due dates for required servicing recorded and not outdated)			
Fireman's outfit available in required number and good condition (i.e. complete with helmet, clothes, lifeline, lamp and other required requisites)			
Breathing apparatuses in good condition and ready to use with bottles including spare bottles filled			
Fixed fire fighting systems for engine room and cargo spaces in good working condition (e.g. filling status of gas bottles or foam tanks).			
CO2 room properly locked and the key readily available			
Fire detection arrangements properly working at all detection points			
Fire extinguishing arrangement in paint locker as required in place and in proper working condition			
Fire dampers and ventilation closing appliances (e.g. gaskets, handles, screws and other) in good working condition. Fire flaps inside trunks checked and closing properly.			
Fire doors closing properly using their automatic closing devices and not fitted with hold-backs			
Quick closing devices for tank shut-off and emergency stop of pumps and fans in good working condition			
Emergency Escape Breathing Devices (EEBDs) available in required amount (plus additional training units) and distributed as per fire plan within superstructure and engine room and under full pressure			
International shore connection including reduces piece with appropriate bolts and nuts available as per Fire & Safety plan			

<b>NAVIGATION</b>			
<b>Item</b>	<b>Addressed</b>		
	<b>YES</b>	<b>NO</b>	<b>N/A</b>
Nautical publications including pilot books, list of lights, sailing directions, tide tables, code of signals, IAMSAR books used for the next voyage updated to the latest available			

amendments/corrections			
Nautical charts to be used for the next intended voyage updated to the latest available Notice to Mariners (if applicable ECDIS system updated to latest amendments)			
System for correcting all nautical publications on board has been developed			
Passage plan from berth to berth available on board			
Navigational instruments (e.g. radar, echo sounder etc) in proper condition			
Steering gear including rudder angle indicator as well as emergency steering gear including switch-over devices in good operating condition and the steering gear alarm functioning. Also, instructions for switch-over handling posted in vicinity			
Daylight shapes in operational condition			
Daylight signaling lamp and the independent power supply in good operational condition			
Automatic position indicator (e.g. GPS) available on board and in good condition			
Communication systems between bridge - engine room and bridge – steering gear room is provided and working properly			
NAVTEX receiver in good working condition and spare paper is available			
Echo sounder in good working condition			
Magnetic steering compass in good working condition and properly visible from steering position. Spare magnetic compass (if provided) in good working condition. Lastly, updated calibration table available.			
VDR (or S-VDR) installed correctly onboard and connected to respective devices.			
AIS system installed and constantly switched on.			
LRITS in good working condition and test documentation onboard as required.			
Navigational equipment verified is as required in the Safety Record "Form E"			

## RADIO EQUIPMENT

Item	Addressed		
	YES	NO	N/A
GMDSS transmitting and receiving equipment components including sources of energy in proper working condition			
Radio operator assigned onboard is familiar with cancellation procedures for false distress alarms.			
Radio log book is kept as required and includes records of tests			
Portable VHF hand held radios for survival craft including batteries with spares/ re-charger are in good working condition.			
Antenna systems without any signs of corrosion or damage			
Radar Transponders in satisfying working condition and ready to be used in case of emergency. Also, they are serviced in accordance with manufacturer's requirements by shore service.			
Freefall boat arrangement (if onboard) is fitted with one Radar transporter within the freefall lifeboat			
EPIRB is correct and float free position. The life date of battery and hydrostatic release valid.			
EPIRP test certificate readily available			
Radio publications and manuals updated on board			
Radio License on board valid			
Reserve sources of energy (batteries) properly maintained and in working condition.			

## SAFETY

Item	Addressed		
	YES	NO	N/A
Working language of the ship established and recorded in the logbook			
Updated fire & safety plans posted in accommodation alleyways clearly readable and show a sign of approval. One copy if the plan is stored in marked and weather tight container outside the accommodation area.			
SOLAS training manuals available, with specific instructions for the appliances installed onboard and written in the working language.			
Instruction manuals for onboard maintenance of life-saving appliances available and understood by all crew members. Regular maintenance has been recorded.			
A plan or program of maintenance is readily available			
Operating instructions for lifesaving appliances posted on scene and under emergency lighting. Instructions written in a language understood by all crew members.			
Table of life saving signals poster on the bridge.			
Drills for fire fighting, abandon ship, rescue boat operation and oil spill fighting have been carried out satisfactorily and the dates are recorded in the logbook.			
Muster list is updated and written in the working language of the ship. Substitutes for key personnel are included and the muster list is posted on the bridge, in engine control room and accommodation spaces.			
Paint materials stored inside the designated paint locker only			
Escape ways accessible, free of obstructions and properly illuminated.			
IMO symbols properly used for marking escape ways and locations of emergency equipment.			
Pilot ladders and related boarding arrangements clean and in good condition.			
Crew working on the bridge is familiar with the steering gear switch-over procedures and with the use of emergency steering device.			
Key engine crew is familiar with emergency power arrangements.			
Key persons for fire fighting are familiar with starting emergency fire pump.			
Designated lifeboat/rescue boat crew is familiar with starting the engines.			
Public alarm systems as for general alarm are working properly.			
Engineer's alarm of unmanned machinery system is working properly.			

## ISM

Item	Addressed		
	YES	NO	N/A
Crew is familiar with the company's safety and environmental protection policy.			
ISM manual is readily available on board.			
All documentation available onboard is written in a language understood by the crew.			
Senior ship officers can identify the "designated person".			
Procedures and data are available and updated to establish			

contact with shore management.			
Programs for drills and training have been set-up and recorded.			
Familiarization records of new crew members are available onboard.			
Master can show his overriding authority.			
Non-conformities have been reported to the company and corrective actions have been taken by the company.			
Maintenance routine and records are readily available onboard.			
A copy of the DOC with the endorsement for the latest office audit is available onboard.			

## ISPS

Item	Addressed		
	YES	NO	N/A
Arrangements in place for controlling access to the ship for persons/goods boarding in the next port			
Personnel responsible for controlling access to the ship is familiar with its duties			
Arrangements are in place to secure and control restricted areas in port, as specified in the SSP			
All entrances leading to restricted areas of the ship ready to be closed or secured			
Security Equipment maintained and tested as specified in the SSP			

## MLC, 2006

Item	Addressed		
	YES	NO	N/A
Procedures have been implemented ensuring that no seafarer below the minimum age of 16 years is employed on the ship? (Refer to DMLC Part I for a higher minimum age).			
All seafarers employed on board the ship have a valid training and competency certificates in accordance with flag State requirements (refer to DMLC Part I).			
Records are kept on board for each seafarer engaged on board the ship that has successfully passed training in personal safety.			
Evidence is found on board that in case a private recruitment and placement service provider is used for the recruitment of seafarers on board, this is approved under the requirements of the Convention.			
In case a young seafarer is employed on board (i.e. less than 18 years of age) measures are in place that no night work is undertaken (for the definition of night refer to DMLC Part I).			
In case a young seafarer is employed on board, measures are implemented that no tasks have been assigned likely to jeopardize his safety or health.			
The ship is manned at least in accordance to the number and capacity stipulated on the Minimum Safe Manning Document.			
The medical certificates of all seafarers onboard have been issued by an approved medical practitioner.			
The medical certificates issued for seafarers over 18 years of age have maximum validity of two years.			

The medical certificates issued for young seafarers have maximum validity of one year.			
Medical certificates have been issued in English language in case the ship is engaged in international voyages.			
The medical certificates include information on hearing, sight and color vision.			
The validity of color vision does not exceed six years (unless otherwise specified by the flag State).			
The medical certificates include a statement that the seafarer is fit for duties.			
All seafarers on board have signed a Seafarers' Employment Agreement (SEA) with the shipowner and an original copy is provided to each seafarer.			
The SEA and CBA is in English language in case the ship is engaged in international voyages.			
The SEA signed between the seafarer and the shipowner includes all the requirements of Regulation 2.1, Standard A2.1.4 as well as national requirements of the flag State.			
The SEA includes a clause for early termination of contract that should not be less than seven days.			
The wages of each seafarer engaged on board the ship are paid in accordance with the SEA and CBA, as applicable.			
Each seafarer is provided with monthly statement of account that includes the monthly wage, additional payments, deductions and applied exchange rates. The monthly account does not indicate any unauthorized deductions.			
The seafarer has a right to transfer all or part of his/her wage to an account nominated by the seafarer.			
Charges for the remittance of the wages are reasonable in amount (refer to national requirements).			
A table of shipboard working arrangements for all position on board the ship is posted in accessible place and is also in English language.			
Hours of work and rest are available for each seafarer engaged on board the ship.			
The hours of work and rest are signed by the Master (or a person authorized by the Master) and the seafarer.			
The national requirements for the normal working hours and minimum rest hours (or maximum work hours) are followed (refer to DMLC Part I).			
The muster and drills are carried out at times that minimize the disturbance of rest periods and fatigue.			
Additional hours of rest for call outs during normal rest periods are provided to the seafarers.			
Procedures have been implemented to allow hours of work that may be required in cases of emergency.			
All seafarers engaged on board the ship have minimum annual leave with pay based on 2.5 days per month of employment (national requirements to be taken into consideration).			
All seafarers engaged on board the ship are entitled to repatriation after a maximum 12 months period, in case of termination of the agreement for justified reasons or when they cannot carry out their duties on board due to illness, injury etc. (refer to the SEA that should state the provisions for repatriation).			
All associated costs for repatriation are covered by the shipowner except in cases of serious default of the employment terms by the seafarer.			
The Master (or person authorized by him) is carrying out inspections of the ship's accommodation and records are kept on board.			
The accommodation spaces are clean and provided with proper			

lighting and sufficient drainage.			
The mess rooms on board are clean, hygienic and equipped with tables and seats sufficient to accommodate the greatest number of crew.			
Cabins are provided separate for each seafarer and for men and women.			
Cabins are adequate size, properly equipped and facilitate tidiness and ensure reasonable comfort.			
Heating and ventilation, including air conditioning, if fitted, is adequate and in good working condition.			
Sanitary facilities are hygienic and reasonable standard of comfort are met.			
The laundry facilities are adequate based on the number of seafarers employed on board and in good working condition.			
The accommodation area has adequate natural and artificial light.			
Recreational facilities are appropriate and in good condition as required by the flag State.			
The galley is clean, hygienic and in good condition.			
Spaces used for the storage of food are clean, hygienic and in good condition.			
The ship is provided with sufficient amount of drinking water and food of nutritional value, quality and variety for the number of crew members on board.			
Food is provided free of charge on board the ship for all seafarers.			
The seafarer assigned a ship's cook is over 18 years of age, trained, qualified and food competent according to the requirements of the flag State.			
For ships with less than 10 seafarers, the seafarers assigned for handling and processing food in the galley is adequately trained or instructed in areas including food and personal hygienic as well as handling and storage of food onboard.			
All seafarers are provided free of charge with health protection and medical care (including essential dental care) relevant to their duties.			
All seafarers engaged on board have the right to visit a qualified medical doctor or dentist ashore if this is requested or required.			
The ship's hospital is clean and hygienic and used only for medical reasons (not as a cabin or storage area).			
Medical publications are available on board as required by the flag State.			
An up-to-date list of radio contacts where medical advice can be obtained is readily available on board (taking into consideration the most frequent ports of call).			
The medical log and visit reports are kept up to date. A standard medical report form is used for both onshore and on board medical personnel as required by the flag State and the completed form is kept confidential.			
The social security covers, as a minimum, medical care, sickness and injury benefits.			
The applicable Occupational Health and Safety (OHS) policy, procedures and programmes have been implemented and comply with national and international regulations and relevant standards and guidelines.			
The people assigned for implementing the OHS policies and procedures on board are clearly documented and familiar with their duties.			
Risk assessments are carried out and measures have been implemented to prevent all identified risks that could result in accidents, injuries and diseases.			

Accidents and incidents are investigated and reported to the flag State and records are available.			
Safety committee meetings are held regularly, and minutes are available.			
The ship is equipped with sufficient Personal Protective Equipment and all seafarers engaged on board are familiar with it.			
Appropriate measures are in place to address OHS risks associated with fatigue, drug and alcohol use, smoking, asbestos, high and low temperatures, noise and vibration and infections.			
Health and safety inspections and surveillance are carried out regularly and documented.			
OHS risks associated with subcontractors working on board are addressed. All subcontractors working on board are subject to documented control procedures as required by the flag State.			
All seafarers engaged on board the ship have access to shore-based welfare facilities.			
A copy of the MLC, 2006 is available on board the ship.			
A complaint procedure is implemented on board that shall neither penalize nor victimize the seafarer.			
All seafarers on board the ship have a copy of the complaint procedure.			
A complaints log in maintained on board.			
The complaints are handled in a timely, fair and effective manner.			
Contact details of the flag State authorities and names of nominated persons to trust on board are mentioned in the procedure.			



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