|  |
| --- |
| * **The Captain should hold the photo(s) and movie(if necessary) in trust.**
* **For a ship navigated international voyage, this checklist should be confirmed at any time at least every 2 month.**
* **Master’s notification of any accident or defects (including the repair works by the crew on board) to the company (for notification to the Admin. & Flag with the maintenance plan provided.), PSC Authority(including local agent and KR at the earliest opportunity is to be made, and the company’s action for rectification at the port is to be ready.**
* **◘◘ : The photo(s) for each item as mandatory • : Test hammering**
* **Effective date : 10 April 2019**
* **• Results# - “X” : Found in satisfactory “D” : Deficiency found and completely repaired**

 **“-” : Not applicable** |
| **1** | ISPS Check | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **1.1** |  **Security level display** | **①Display Security level near Gangway** |  |
| **1.2** | **Gangway watch** | **①Continuous strict gangway watch** |  |
| **1.3** |  **Visit Log** | **①Identification of visitors’ photo ID and visit log maintained, etc** |  |
| **1.4** | **Control of restricted areas** | **①Restricted areas controlled in accordance with levels set by SSP****②Restriction of access to prohibited areas(with the entrances sealed and/or proper measures taken, sealing or pad lock)** |  |
| **2** | Meeting Room | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **2.1** | **Certificates**  | **①Validity, Contents**  |  |
| **2.2** | **Stability booklet, grain loading manual** | **①Original copy on board**  |  |
| **2.3** | **Survey report file(ESP only)** | **①KR Report(TS, EH) ②TM report ③Survey Programme(Until completion)** |  |
| **2.4** | **SOPEP** | **①Updated list of national operational contact list ②Flag Approval** |  |
| **2.5** | **Oil record book/Garbage record book/Ballast water record book** | **①Accurate entries(Especially, Comparison with Sound Log Book and Oil record book) ②Incinerated residue q’ty (to shore/on board) ③Bilge q’ty** |  |
| **2.6** | **Garbage management plan/****Ballast water management plan** | **①To be on board** |  |
| **2.7** | **Rest Hours of Crew** | **①Minimum rest hours properly provided to crews(especially when ship** **arrival/departure procedures, transit of narrow channels, crews’ education/training and bunker oil receiving operations** |  |
| **2.8** | **MLC related matters** | **①Confirmation that Seafarers' employment agreements are properly applied(full payment of wages and Medical care provided)****②Confirmation that procedure of complaint is onboard and provided to seafarers** |  |
| **2.9** | **Cargo information** | **①Verified Cargo Weight evidences are onboard(especially, container** **ships) and/or MSDS and/or Cargo Information** |  |
| **2.10** | **PSC report** | **①Confirm the result of PSC deficiencies imposed after last class****periodical survey** |  |
| **3** | Bridge | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **3.1** | **Chart & Notice to mariner** | **①Charts ②Latest edition & small correction**  |  |
| **3.2** | **Publication** | **①Lights list ②Tide table ③Sail. Dir. ④Latest edition & Small corr.** **⑤IAMSAR Manu.** |  |
| **3.3** | **Deck log book/Training Record** | **①Drill records (Abandon ship/Fire drill-1M, Lifeboat launching-3M,** **Em’cy steering drill-3M, Entering to enclosed spaces-2M, etc.)****②Confirmation that drill details in deck log book is in accord with training records files** |  |
| **3.4.1** | **Lifejacket** | **①Lighting ②Marking ③Outward Condition ④Approval by FS**  |  |
| **3.4.2** | **Immersion suit** | **①Condition (glue/zipper/sewing parts, detached or sticked, etc)** |  |
| **3.5** | **Standard magnetic compass** | **①Lighting ②No bubble ③Deviation table**  |  |
| **3.6** | **VHF, MF/HF radio** | **①BQ/RQ test in Em’cy/Reserve of power & report◘◘** **②Familiarization** |  |
| **3.7** | **EPIRB** | **①Test Report ②Valid date of HRU ③Location** |  |
| **3.8** | **AIS, Echo Sounder,(S)VDR** | **①Working in order** |  |
| **3.9** | **Water Ingress System(if installed)** | **①Working ②Remote control V/V working ③Indicator** |  |
| **3.10** | **Daylight signal lamp** | **①Operation by em’cy power ②Operation at both ship sides** **Portable battery and at least 3 spare illuminants(Keel laid on or after** **2002. 7. 1)** |  |
| **3.11** | **Fire alarm & fire detection system** | **①Working ②By em’cy power ③Alarm in 2 min. ④MCP’s Distance** $⑤$**Check for control fault alarm cleared ⑥Detector’s distance ⑦Test** |  |
| **3.12** | **Navigation light panel** | **①Alarm test ②Pilot Lamp ③By em’cy power** |  |
| **3.13** | **Emergency lighting** | **①Functioning ②No damage**  |  |
| **3.14** | **ECDIS** | **①Operation test ② Identify as the Critical Equipment on the SMS manual & maintain periodical check ③Familiarization of Deck Officers & Maintain the training and education records ④Version checking of ENCs****⑤Operation under both main and emergency source of power, etc.** |  |
| **3.15** | **Watch keeping schedules(for ship underway or at port)/Muster list** | **①Watch keeping schedules(procedures) and muster list are** **established and posted on the bridge ②The number of personnel** **on board is considered in such lists.** |  |
| **3.16** | **Deck officers familiarization with navigation equipment** | **①Familiarization of Deck Officers with navigational equipment’s operating and maintenance** |  |
| **4** | **Wing Bridge** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **4.1** | **Quick release Life-buoy** | **①Quick Release ②Self-igniting light ③Expiration date**  |  |
| **4.2** | **Navigational light** | **①Matt Black Paint ②Required angles ③No damage**  |  |
| **5** | **Outside of Accommodation** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **5.1** | **Battery room** | **①Reserve condi. for GMDSS ②Recharging ◘◘ ③Connecting cable** **④Explosion-proof lamp** |  |
| **5.2** | **Em’cy generator room** | **①Functioning ②Gauges ③Isolate valve from Fuel** **④Fuel q’ty (To be operated for 18 hours)** **⑤Blackout test(test mode) ACB testing ◘◘ (Before/after the test, photos for Kw Gauge)** |  |
| **5.3** | **E/R ventilator & E/R funnel damper** | **①Ventilator damper’s closing condition after opening the cover ◘◘ & Funnel damper’s closing condition ◘◘ ②Maintenance considering manufacturer’s gap standard (ref.: abt. 3~4mm on the basis of new production) ③Leakage of control air line** |  |
| **6** | **Survival Craft & Launching arrangements** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **6.1** | **Inflatable liferaft** | **①HRU ②Movable(if applicable) ③Weak Link****④One HRU per each liferaft(Keel laid on or after 1998. 7. 1)** **⑤Any obstruction above** |  |
| **6.2** | **Annual thorough exam. by technician** | **①Report without recommendation ②KR Checklist made by technician(On or after 2009. 11. 1)** |  |
| **6.3** | **Access route to survival craft** | **①No obstacle on the way** |  |
| **6.4** | **Lifeboat's hull & marking & painting** | **①Hole/crack ②Marking ③Hull condition(Skate Pender, Bilge keel)** |  |
| **6.5.1** | **Davit (lifeboat, rescue boat)** | **①Excessive corrosion ②Limit Switch ③Greasing for moving part** |  |
| **6.5.2** | **Davit (Davit-launched liferaft)–if fitted** | **①Excessive corrosion ②Limit Switch ③Greasing for moving part****④By 2nd means power (Accumulator, davit arm rotating angle for combined type)** |  |
| **6.6** | **Sheave**  | **①Working ②Hole/excessive corrosion**  |  |
| **6.7** | **Winch & foundation** | **①Lower Bkts, Bolt/Nut ②Fall renew(Every 5 yr) ③Winch Brake** |  |
| **6.8** | **Engine** | **①Repair if not started immediately** **②Running(3 min.) & Propulsion(FWD/AFT, full speed)** **③F.O level & Tk ④Battery recharged(if required)****⑤Two independent engine starting system****⑥Cooling water circulation (in case of outboard engine)** |  |
| **6.9** | **Open type - Lifting hook assembly** | **①Lifting Hook Assembly (Bracket, removing inventory)◘◘**  |  |
| **6.10** | **Enclosed type (Freefall type 포함)** | **①Working ②Correct re-setting◘◘ according to manufacturer’s** **standard ③Stowage of lifeboat ④Bottom plug** |  |
| **6.11** | **Equipment** | **①Fire extinguisher ②Validity & Q’ty ③Wooden seat rotten****④Safety belt color** |  |
| **6.12** | **Lifeboat lowering** | **①Drill Test ②Remote lowering ③Brake ④Water-spray(if req.)** **⑤Check for emergency lowering condition of Rescue boat** |  |
| **6.13** | **Winch & Motor** | **①No oil / air leakage from winches and motors**  |  |
| **6.14** | **Drill-Fire, abandon ship (Mandatory)**  | **①Crew familiarity ②Instruction displayed ③Refer to the Fire Fighting/Abandon Ship Drill Checklist provided by KR** |  |
| **6.15.1** | **Major checking point during Fire Drill: ①The founder's reporting to the control station(bridge) and initial fire extinguishing in small fire only ②Communication between the fire location and the control station(bridge) ③Confirmation of the name of the crew wearing fireman's outfit, the pressure for air bottle of BA and the time conducted by the officer at the fire site ④Duty of the rescue team and the way of carrying the casualty ⑤Commander's ability at the fire location** |  |
| **6.15.2** | **Major checking point during Abandon Ship Drill: ①Launch of the survival craft within required time period    \* preparation for embarking and launching by 2 crews in less than 5 min. (SOLAS III/13.1.3)   \* Cargo ship : 10 min. for lifeboats and davit-launched liferafts (SOLAS III/31.1.5)   \* Passenger ship : 30 min. for lifeboats and davit-launched liferafts (SOLAS III/21.1.4)②Personal belongings for each crew ③Familiarization of the assigned duty for each crew ④Familiarization of the survival craft launching procedure (Commander, Substitute for commander and Bos’n)** |  |
| **7** | **Inside of Accommodation** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **7.1** | **Door with self-closing device** | **①No holding Back ②Working**  |  |
| **7.2** | **Insulation** | **①No missing/ omission ②No breakaway** |  |
| **7.3** | **Fixed extinguisher system-CO2 (Rm)** | **①Bottle contents(In case of Low press. Type, also chiller)** **②Hydro Test date ③Crew familiarity ④Insulation** **⑤Safety pin location according to manufacturer’s standard** **⑥Remote Control Line ⑦Flexible Connecting hose** |  |
| **7.4** | **Fire detector** | **①Detector test ②Audible/Visible alarm ③Confirm number of detector** |  |
| **7.5** | **Isolating valve** | **①Location ②Moving part ③Marking**  |  |
| **7.6** | **Fireman's outfits** | **①Separate Stowage ②Bottle pressurized date & contents(incl. spare)** **③Working ④Belongings ⑤Emergency lights ⑥Familiarization with** **wearing Fireman's outfits ⑦Visual condition** |  |
| **7.7** | **MLC-related matters** | **①Clean and hygienic bedding, adequate artificial light, hot and cold** **running water, suitable and sufficient toilet provisions, and showers,****etd in proper condition.** |  |
| **8** | **Main Deck & Cargo Hold(Bulk Carrier and General Dry Cargo Ship)** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **8.1** | **International shore connection** | **①Retaining with required items**  |  |
| **8.2** | **Ventilator** | 1. **Damper moving/corrosion ②Coaming ③Vent Cover**

**\*\* Especially, checking the condition of all fire dampers & ventilators of Ro-Ro ship’s cargo holds** |  |
| **8.3** | **Air pipe** | **①Coaming(trace of leaking) ②Floating Ball/Rubber Packing in** **Head(Overhaul) ③Height** |  |
| **8.4** | **Fire main line / Foam line / IGS line** | **①Hole/trace of leaking ②Corrosion ③Valve moving ④Patching** |  |
| **8.5** | **Foam monitors & valves(if installed)** | **①Moving Part working ②Water spray test ◘◘** |  |
| **8.6** | **Main deck** | **①Corrosion/hole ②No crack ③Paint condition**  |  |
| **8.7** | **Small hatch** | **①Weathertightness ②Closing Device ③Corrosion/hole**  |  |
| **8.8** | **Hatch cover** | **①Corrosion/hole ②Packing ③Weathertightness(Hose Test)**  |  |
| **8.9** | **Hatch coaming, stay, stiffener** | **①Corrosion/hole ②Crack**  |  |
| **8.10** | **Bulwark and handrail** | **①Corrosion/hole ②Crack** |  |
| **8.11** | **Cleats for hatch cover** | **①Corrosion/hole ②Socket corrosion ③Clearance(Auto type)**  |  |
| **8.12** | **Fixed CO2 gas pipeline** | **①Corrosion/hole ②Crack** |  |
| **8.13** | **Cargo holds – Overall survey** | **①Corrosion/hole(especially under the cross deck) ②Leakage** **③Repair by crew(Rewelding or Double plates) ④Conner plate** |  |
| **9** | **Forecastle deck** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **9.1** | **Ventilator** | **①Damper moving/corrosion ②Coaming ③Vent Cover** |  |
| **9.2** | **Air pipe** | **①Coaming(trace of leaking) ②Floating Ball/Rubber Packing in** **Head(Overhaul) ③Height** |  |
| **9.3** | **Small Hatch** | **①Weathertight ②Closing Device ③Corrosion/hole ④Packing** |  |
| **9.4** | **Navigational lights** | **①Required angle ②No damage** |  |
| **9.5** | **Bed plate of windlass/Winch** | **①Bed plate(Corrosion/hole) ②Brake pad ③Drum condition** |  |
| **9.6** | **Dewatering System (if installed)** | **①Remote control V/V working ②Sensor working** |  |
| **10** | **Bosun Store** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **10.1** | **Anchor Pipe and Air pipe for F.P.T** | **①Corrosion/hole(trace of leaking)**  |  |
| **10.2** | **Chain Locker wall** | **①Corrosion/hole**  |  |
| **10.3** | **F’cle deck/ Weather tight door/Wall** | **①No penetrating light from outside Bosun store ②Corrosion/hole**  |  |
| **10.4.1** | **Life Jackets** | **①Lighting ②Ship name/Port of Reg. ③Condition ④Approval by FS** |  |
| **10.4.2** | **Immersion suit** | **①Condition (glue/zipper/sewing parts, detached or sticked, etc)** |  |
| **11** | Poop Deck | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **11.1** | **Navigational lights(Incl. Anchor Light)** | **①Required angle ②No damage** |  |
| **11.2** | **Air pipe** | **①Coaming(trace of leaking) ②Floating Ball/Rubber Packing in** **Head(Overhaul) ③Height** |  |
| **11.3** | **Small Hatch** | **①Weathertight ②Closing Device ③Corrosion/hole ④Packing** |  |
| **12** | **Steering gear room & Em'cy fire pump room** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **12.1** | **Em'cy lighting** | **①Operating Test ②No damage** |  |
| **12.2** | **Steering Gear** | **①Oil leakage ②L.O tank & alarm for Hyd. pump ③Em’cy steering** |  |
| **12.3** | **Em'cy fire pump** | **①Starting(several time if possible, Instructing the caution of low draft** **starting. Self ejecting function incl. vacuum pump, check for any** **leakage) ②Suction pressure ③Two jets of water(Fore/Bridge)◘◘** **Protection of suction or discharge piping penetrating E/R** **⑤Overhauling the exhaust pipe if necessary** |  |
| **12.4** | **Insulation** | **①No Missing/Omission ②No breakaway** |  |
| **12.5** | **Door with self closing device** | **①No holding Back ②Working ③Outboard condition** |  |
| **13** | **Engine Room** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **13.1** | **Fire detector** | **①Detector Test ②Audible/Visible alarm** |  |
| **13.2** | **Portable fire extinguisher** | **①Contents replacing date ②Working test(Sampling) ③Hydro test date** |  |
| **13.3** | **Emergency escape trunk** | **①Insulation condition◘◘ ②Self closing fire door ③Em’cy lighting** **Installation for GT 1000 and above(Keel laid on or after 1984. 9. 1)** |  |
| **13.4** | **Emergency lighting** | **①Working Test ②No damage** |  |
| **13.5** | **Quick Closing / Shut-off valve** | **①Working condition ②Any paralyzing by the bolt and Wood wedge** |  |
| **13.6** | **Insulation, Lagging** | **①No missing ② No breakaway/omission ③Hot space insulation****(Insulation : High Temp. Fuel pipes and fitting connections, and steam pipes)****④Permanent Repair and/or replacement required for the temporarily** **repaired areas(including cemented pipes and/or fitting connections)** |  |
| **13.7** | **Jacketed pipe for high pressure fuel** | **①No missing part ②Drain box alarm** |  |
| **13.8** | **Oil filtering equipment** | **①15ppm alarm ②Auto-stop ③Outlet pipe inside◘◘(Cleaning inside)****④Filter & Inner condition ⑤Use maker’s filter & spare filter** **⑥Crew’s familiarity for equipment(operating and alarm test)** **⑦Close the discharge valve ⑧Shore connection(flange size)** **⑨Operation Manual posting** **⑩Removal of any manual valve on the sampling line** |  |
| **13.9** | **Direct line for discharging oily bilge** | **①To be removed if installed** |  |
| **13.10** | **E/Room floor(Cleanliness)** | **①Bilge Q’ty◘◘ ②To be delivered to offshore if excessive** **③Oil/water leakage of Main/Aux. machineries** **④ No residual and oily rags ⑤ No oil leaks from outer surface of welded fuel oil tanks(pin hole)** |  |
| **13.11** | **Sewage equipment** | **①Level alarm ②Pump operation ③ Crew’s familiarity for equipment** **(operating and alarm test) ④Air diffuser & circulation line** **⑤Confirmation of calculation sheet on Sewage discharge ratio** **⑥Shore connection(flange size) ⑦Internal corrosion** |  |
| **13.12** | **Watch keeping schedules(for ship underway or at port)** | **①Watch keeping schedules established and posted**  |  |
| **13.13** | **Familiarization with engine room machinery** | **①Familiarization with Engine Room Machinery(operations,****maintenances, and any relevant record)** |  |
| **13.14** | **Fixed local fire fighting system** | **①Motor & valve operation ②Self-inspection record ③familiarization****④Confirm no blind sector(Obstruction)** |  |
| **13.15** | **Alarms** | **①F.O leakage alarm(M/E,G/E) ②M/E oil mist alarm (if fitted)****③Bilge well level alarm, etc** |  |
| **13.16** | **Door with self closing device** | **①No holding Back ②Working ③Outboard condition** |  |
| **14** | **Other Space** | **Results#** |
| **Item** | **Checking Point (Test Method)** |
| **14.1** | **Paint store** | **①Fire extinguisher (in case of fixed spray system, check operation valve and nozzle) ②Explosion-proof light ③Ventilator** **④Paint in designated area**  |  |
| **15** | **Remark** |
| **① Confirm the Ship Officers’ familiarization with maintenance procedure for safety equipment**  |
| **② Ship crew’s familiarization with the Company’s Guidance for PSC detention prevention.** |
| **③Verification of SMS Manual for SPC Inspection** |
| **④Careful consideration of KR PSC-pre inspection for U.S. and Europe-bound vessels (especially for Korean-flagged ships)** |

* **During docking, when the deck is in poor condition, the Sand blasting should be done before survey.**