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Cargo and Passenger Vessel						
		BOA	RDING CHECK	LIST		
IMO NO:		VESSEL NAME:			DATE/TIME:	
LOCATION:		INSPECTOR NAM	E:		1	
Copies of:	Ship Pa	articulars Y / N	SMC Y / N	Minii	mum Manning Y / N	
3.1: VESSEL CREWIN Ref: SOLAS Ch. V and V, Re	-	olution A.1047 (27); ISM Code	e, Part 6.2; 46 CFR 15.415			
Exceed Standard		l officers onboard. acilities and hiring measure	es to attract/retain			
Accepted Standard	vessels' flag	ewed in accordance with t g state. Crew members sho with STCW 2010 for the p	ould be certified in			
Below Standard (risk indicator)	•	rewing does not meet IMC videnced by itinerary or b	•			
3.2.1: COMMUNICAT	-	-				
Ref: SOLAS Ch. V, Reg. 14.4	STCW Code A- Example:	-II/1 & A-III/1 ; 33 CFR 26.07; 3	33 CFR 161.12(c)			
Exceed Standard	•	icient in English.				
		used on the bridge when t	he pilot is embarked.			
		who are required to comm				
A second and Chan doud		nore, and other vessels, ar	-			
Accepted Standard	proficient i safely.	n the English language to a	accomplish their duties			
Balance Channels and	Example:					
Below Standard (risk indicator)		ot proficient enough in En				
		lures to determine English	proficiency.			
3.2.2: COMMUNICAT						
Ref: SOLAS Ch. V, Reg. 14.3		t 6.6 & 6.7				
	Example:	nd crew easily communica	to and chara	SMS Language:		
Exceed Standard	• Officers an		le and share	Common Langu	lage:	
		placards are in both comn	non language and			
Accepted Standard	A common designated manuals, in national cre language u	spoken and written workin on board vessels with mu structions, and placards o ews are printed in the desinderstood by all crewment rew has language difficulti	lti-national crews. All n vessels with multi- gnated common bers.			
Below Standard (risk indicator)		ther or with the operating				

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3.3.1: FITNESS: Wor	· •	
Ref: STCW Code A-VIII/1	; 46 CFR 15.710 & 15.1111 (U.S. only)	
	Example:	
	• Short contracts offered (4 months senior officer, 6 months	
Exceed Standard	junior officers, less than 9 months ratings).	
	• Extra officers onboard.	
	Company has written policies and procedures to allow	
	master/CE to schedule operations to ensure crew stays	
	within work/rest hour requirements.	
	Records reflect actual hours worked or rested and are within	
Accepted Standard	STCW requirements.	
	(Crew manages hours with watch changes during pilotage as	
	needed.)	
	Example:	
Below Standard	Officers fatigued.	
(risk indicator)	Work/rest hours incomplete or not posted.	
	Hours logged monthly rather than daily.	
3.4.1: TRAINING: Tr		
Ref: STCW A-I/14.2 and A	III/1; ISM Code Part 6.3, 6.4, & 6.5	-
	Example:	Training program should include shipboard management
Exceed Standard	 Promotion from within dedicated crew pool. 	training consistent with the International Safety Management
	 Mentoring program in place. 	(ISM) code and STCW 2010.
	• Training includes performance reviews with benchmarks for	
	additional training.	
	Comprehensive training program includes Familiarization,	
	Refresher and Job-Specific training.	
Accepted Standard		
	Example:	
Below Standard	 SMS does not track crew training and certificates. 	
(risk indicator)	• Company relies only on manning agency for crew training.	
	Onboard training is just required drills and safety meetings.	
3.4.2: TRAINING: Fa	miliarization	
Ref: STCW A-I/14 and A-I	II/2; ISM Code, Part 6.3	
	Example:	Period of handover overlap for senior officers:
	Officer turn over notes emailed to the relief/company prior	
	to turn over.	
Exceed Standard	 Senior relief personnel overlap time onboard. 	
	 Familiarization checklists are logical, easy to use, and 	
	include interactive (free text) elements.	
	• If alternative fuels are used, training includes the specific	
	hazards of that fuel.	
	Familiarization includes all STCW requirements (duties and	
	responsibilities during all normal and emergency situations,	
Accepted Standard	and vessel arrangement familiarization, including escape	
	routes from work and sleeping spaces) and operator's SMS	
	requirements in a language understood by crew member.	
	Example:	
Below Standard	 SMS does not designate a crewmember responsible for 	
(risk indicator)	familiarization training.	
-	 Insufficient time allotted for training. 	

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3.4.3: TRAINING: D	rills	
	9 & Reg. 30 (p/v only); ISM Code, Part 8.2 & 8.3; 46 CFR 199.180(c) (U.S. ol	nly)
Exceed Standard	 Example: Work hours and fatigue considered when scheduling drills and training. Drills combined when appropriate to reduce paperwork and manage crew workloads. Drills scheduled at different times of the day. Drills are realistic and include aspects of past accident reports. 	Refer to WA AIS recommended drills
Accepted Standard	Drills meet SOLAS, flag state and ISM requirements. Drills evaluated and reviewed by all crew at conclusion of the drill.	
Below Standard (risk indicator)	 Example: No drill records or drill records show drill accomplished in unrealistic timeframe. Drill matrix confusing or lacking specificity. Unrealistic drill scenarios. 	
4.1: SAFETY PROGR Ref: ISM Code, Part 3.2,	-	
Exceed Standard	 Example: Accident prevention and job risk analysis training conducted. Risk analysis program includes instruction, training, and forms. Fleetwide dissemination of lessons learned. 'Toolbox' meeting before current and upcoming jobs. If alternative fuels are used, specific safety measures, key risk factors, and exposure first aid of each fuel is discussed. 	
Accepted Standard	Has safety program with monthly meetings and entire crew represented. Example: Safety meetings are informal, have no follow up on	
Below Standard (risk indicator)	identified issues, or don't involve the entire crew.	
4.4: POLLUTION PRE	E VENTION eg. 17; MEPC.244(66); 33 CFR 151	
Exceed Standard	 Example: Receipts show all waste oil and solid waste materials sent ashore. ISO 14001. Incinerator use is well documented with spare equipment on hand. 	Oil Record Book: Sat / Unsat Garbage Log: Sat / Unsat
Accepted Standard	Complete waste oil handling, garbage management, VGP program in place and fully implemented with regular training.	
Below Standard (risk indicator)	 Example: Pollution prevention program poorly organized (lack of ORB/garbage receipts). Program incomplete or not followed (Leaks, pooled oil, evidence of poor maintenance or housekeeping). 	
4.8.1: CONTINGEN REF: WAC 173-182-240	CY PLAN FIELD DOCUMENT - Vessel Received Field Docum	ent
Exceed Standard	 Example: Field Document is posted in several locations and deck officers are trained in its proper use. Field document in NTVRP, voyage plan, or OTP. 	Field Doc. onboard Y / N
Accepted Standard	Field Document understood by master and posted in a conspicuous location.	
Below Standard (risk indicator)	Example:Field Document not onboard.Master unaware of Field Document.	
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	ATING PROCEDURES/EQUIPMENT - Equipment/Organizati	ion .
Ref: 33 CFR 164.35 – 164.4		
Kei. 55 Ci K 104.55 104.	Example:	
Exceed Standard	• 2 full ECDIS.	
	Additional gyro.	
	 Certified integrated bridge system. 	
	Equipment appears well maintained. Meets	
Accepted Standard	U.S./International standards. Clearly written Captain's	
Accepted Standard	standing orders and night orders.	
	Example:	
Below Standard	Required equipment not functioning.	
(risk indicator)	 Captain's standing orders unclear. 	
. ,	 Bridge appears messy, dirty, or unkempt. 	
5.1.2: BRIDGE OPER	ATING PROCEDURES/EQUIPMENT - Charts/Publications	
Ref: SOLAS Ch. V, Reg. 21.	1; 33 CFR 164.33; 46 CFR 97.05-5 (U.S. only)	
	Example:	
Frank d Chan dand	Company makes chart updates easier for vessel (Automatic	
Exceed Standard	ECDIS updates).	
	 Company provides access to charts beyond planned route. 	
	Charts and publications corrected, up-to-date and records	
Accepted Standard	maintained.	
	(If Engine Power Limitation is in use, there are two sets of	
	maneuvering characteristics posted.)	
	Example: • Charts or publications for voyage missing or not up to date.	
Below Standard	 If publications kept on computers: inability to access charts 	
(risk indicator)	or pubs in event of computer failure.	
	ATING PROCEDURES/EQUIPMENT - Voyage Planning	
Ref: IMO Res A.893(21); S0		
Ref. INIO Res A.055(21), 50	Example:	
	• Voyage plan includes risk assessments, detailed information	
Exceed Standard	on waypoints, or procedures for LOP or LOS.	
	• Planned route posted at ECDIS, notes for next watch include	
	the risks noted on the voyage plan.	
	Berth to Berth Voyage plan meets all listed elements of IMO	
Accepted Standard	guidelines.	
	Example:	
	 Voyage plan appears to be auto filled with same 	
Below Standard	information for each waypoint description.	
(risk indicator)	 Sections of plan are not filled out. 	
	 Old plan used without updates. 	
5.1.5: BRIDGE OPER	ATING PROCEDURES/EQUIPMENT - Pilot Coordination	
Ref: IMO Res A.893(21); 3	3 CFR 164.11(k); RCW 88.16.155	
Exceed Standard	Example:	
	• If power limitation is used, vessel specific procedures for	
	overriding the power limitation are discussed with pilots.	
	Master discusses all elements of pilot card and voyage plan	
Accepted Standard	with pilot. Only English used on bridge.	
	Example:	
	 Master lacks English skills for meaningful exchange. 	
Below Standard (risk	Master lacks English skills for meaningful exchange.No pilot card used for exchange.	
Below Standard (risk indicator)		

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5.1.6: BRIDGE OPE Ref: STCW A-II/1, & Tab	RATING PROCEDURES/EQUIPMENT – Bridge Resource Mar	lagement (BKIVI)
Nel. STEW A-II/ I, & TdD	Example:	
Exceed Standard	 Master uses arrivals and departures as an opportunity to mentor junior officers. Company offers additional BRM training opportunities. Procedures specifically address BRM use in different watch conditions. 	
Accepted Standard	Bridge Resource Management (BRM) system consistent with STCW 2010 is in place and used.	
Below Standard (risk indicator)	 Example: BRM principles are not incorporated in bridge procedures. Master appears complacent about BRM; no mention of BRM principles in standing orders. No end of passage review to discuss BRM strengths, weaknesses or suggest improvements. 	
5.3.2: EMERGENCY	PREPAREDNESS - Emergency Procedures	
	8 and 37 ('96 amendments); ISM Code, Part 8; 33 CFR 164.25(d); 46 CFR 97	2.13 (U.S. only)
Exceed Standard	 Example: Emergency checklists tabbed and easy to locate and use. Procedures include emerging issues (hazmat/battery fires) If alternative fuels are used, spill response procedures include specific guidelines for that fuel. 	
Accepted Standard	Station bill and procedures for most common emergencies. Checklists kept on bridge or engine room as appropriate, used during drills, and readily accessible to watch officer.	
Below Standard (risk indicator)	 Example: Minimum Station Bill covering only Fire & Boat. Emergency checklists missing or difficult to locate. Emergency procedures lack corresponding checklist and drill. Emergency checklists difficult to use. 	
	NTENANCE SYSTEM (PMS) 20 & 36; ISM Code, par. 10; 33 CFR 96.250(j)	
Exceed Standard	 Example: PMS accredited by class. Computerized spare part inventory. PMS includes risk management strategy for planned and unplanned maintenance, prioritization of work, spare parts, documentation, and up-to-date certification. If alternative fuels used: PMS includes audits of the leak detection system and the emergency isolation valves. PMS tracks planned and unplanned maintenance of fuel leak detection equipment. 	
Accepted Standard	Established planned/preventive maintenance system with detailed record keeping.	
Below Standard (risk indicator)	 Example: PMS inadequate or not followed. PMS does not identify and test critical equipment and technical systems. PMS fails to investigate technical difficulties or determine underlying causes. PMS fails to include permit-to-work systems or lock out tag out systems. 	

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5.4: OIL TRANSFER F		
Rei: 33 CFR 155.720, 155.	730, 155.750, 156.150 and 151.25; WAC 317-40.	
	Example:	
	 WAC 317-40 incorporated in SMS. 	
Exceed Standard	 If alternative fuels are used, pre bunkering checklist 	
	includes testing of fuel detection and tank monitoring	
	equipment.	
	SMS Oil Transfer Procedures/checklists exceed CFR	
Accepted Standard	minimum standards. (OTP includes internal transfers.)	
	Example: Oil Transfer Procedure does not meet CFR	
Below Standard (risk	requirements.	
indicator)	· ·	
6.2 ENGINEERING W		
Ref: STCW A-III/1.4 and B	-VIII/2, Part 3-2. STCW 6/Circ 7	
	Example:	
Fuend Chandend	 Toolbox meetings used to mentor junior engineers. 	
Exceed Standard	Written procedures to ensure engine crew stays within	
	workhour/rest hour standards.	
	Engine room Resource Management (ERM) system in place	
Accepted Standard	and fully utilized.	
	Example:	
	 Engine room emergency procedures not written in crew's 	
Below Standard (risk	common language.	
indicator)	 Emergency checklists not in ECR or difficult to locate. 	
· · · · · ·	 Night orders not posted in the engine room. 	
	OPERATING PROCEDURES - Fuel Oil Systems	
Ref: MARPOL Annex VI, R		
	Example:	
	 Automated fuel changeover system. 	
Exceed Standard	 Purifier room exceptionally clean. 	
	• If alternative fuels are used, vessel has CCTV monitoring for	
	the machinery space and bunker monitoring station.	
	Backup pump and fuel system inspected or tested ready for	
	immediate use no more than 12 hours before transiting WA	
	waters.	
Accepted Standard	(Vessel has records of lube oil system maintenance and, if	
	engine power limitation is used, an onboard management	
	manual is kept in the ECR.)	
	Example:	
Below Standard	Purifier room oily/unclean.	
(risk indicator)	• Fuel oil system is not on pre-arrival/departure checklist.	
	• Fuel oil system not tested/inspected prior to WA transit.	
6.3.7: ENGINEERING	OPERATING PROCEDURES - Cooling Water (CW) System	
Ref: SOLAS Ch. II-1, Reg. 2	C	
	Example: Coolers checked prior to departure and debris	
Exceed Standard	(trash/jellyfish/seaweed) cleared if needed.	
	Cooling water primary and back-up circulating systems,	
	including pumps, lines, valves, and heat exchangers and	
Accepted Standard	controls tested or inspected to verify they are operational no	
Accepted Standard	more than 12 hours prior to transiting state waters. (records	
	of maintenance for CW system)	
	Example:	
	• Cooling water system not included in pre arrival/departure	
	checklists.	
	• Evidence of leaks/drips (scaling along flanges for saltwater	
Below Standard	system; reddish tint near flanges for freshwater system).	
(risk indicator)		
,	 Patches or long-term use of a temporary repair in CW 	
	piping.	
	 Primary and back-up circulating and CW pumps not lined up or untested 	
	or untested.	
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6.3.8: ENGINEERING	OPERATING PROCEDURES - Start/Control Air System	
Ref: SOLAS Ch. II-1, Reg. 2	26	
Exceed Standard	 Example: Control and start air system components tracked electronically. Automatic drain valves. Annual gauge calibration date marked on component. Additional (3rd) emergency start air compressor run off of emergency generator. 	
Accepted Standard	Control and start air system tested or inspected to verify they are operational no more than 12 hours prior to transiting state waters.	
Below Standard (risk indicator)	Example:Start air system not on pre-arrival/departure checklist.Control and Start air system not verified as fully functional for maneuvering.	
5.1 MACHINERY AND Ref: SOLAS, Ch. I, reg. 11; S	SPACES OLAS, Ch. III, regs. 20 and 36 ('96 amendments); ISM Code, par. 10.	
Exceed Standard	 Example: Clean and well maintained. Compliance program in place (i.e. tagging overboard valves or anonymous reporting). If alternative fuels are used, piping for alternative fuel system is clearly labeled and enhanced ventilation is in place to respond to leaks (example: exhaust blowers with ability to increase flow rates) 	
Accepted Standard	Condition appears to be commensurate with age and service.	
Below Standard (risk indicator)	 Example: Equipment not functioning or in poor condition. Excessive oil leaks. Poor housekeeping (oiled rags). 	

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Option checklist items for use on Expanded Inspections (either individually or as whole)

3.3.2: FITNESS: Alco	hol and Drug Use/Policy (Optional – for use on expanded i	nspection)
Ref: RCW 90.56.540 (.06	BAC); 33 CFR 95.020 (.04 BAC); 46 USC 2302.	
Exceed Standard	 Example: Policy of no alcohol or illegal drug use onboard. Instructions for calibrating testing equipment are available if the equipment is kept onboard Onboard random testing. 	
Accepted Standard	Written alcohol policy per CFR or similar, or U.S. Policy posted on board.	
Below Standard (risk indicator)	Example:Evidence of alcohol or illegal drug use onboard.No policy posted onboard.	
3.4.4: TRAINING: Jo	b-Specific Training (Optional – for use on expanded inspec	tion)
Ref: STCW A-I/14, A-II/1 (OIC nav) and A-III/1 (OIC eng)	
Exceed Standard	Example:Company has formal method to track crew training needs.Crew receives feedback and additional mentoring if needed.	
Accepted Standard	Comprehensive on-the-job specific training program.	
Below Standard (risk indicator)	Example: No job specific training program in place.	
	NMENTAL MANAGEMENT SYSTEM (Optional – for use on 96.390. ISM Code, Guideline 6 – Resources and Personnel	expanded inspection)
Exceed Standard	 Example: Company has additional safety or environmental programs in place. Officers have a role in improving SMS 	Date of last external audit: Date of last internal audit:
Accepted Standard	Functioning SMS program in place which includes training, awareness, documentation, and auditing	
Below Standard (risk indicator)	Example: Inadequate or incomplete record keeping.	
	OVERSIGHT (Optional – for use on expanded inspection) 3 CFR table 96.250(I) (U.S. only)	
Exceed Standard	 Example: Management makes unannounced inspections of vessel(s), including check-rides. Management ensures any inspections or trainings do not interfere with work hour/rest hour for crew. Company has formal guidance on reporting non-conformities, near-miss, accidents, and hazardous conditions. 	Date of last visit: Inspected by:
Accepted Standard	Management visits once per quarter to review operations, inspect the vessel, and talk with senior officers.	
Below Standard (risk indicator)	 Example: Rare/infrequent visits to vessel by management. SMS has no formal means for crew to report issues. No process to inform crew on audit results or corrective actions taken. 	

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	AND CARGO HOLD INSPECTION /SURVEY (Optional – for u	use on expanded inspection)
Ref: 46 CFR 91.40 (U.S. Or		
	Example:	Last Inspection:
	 Problem areas are photo documented and scheduled for 	Inspected by:
Fundad Chandrad	repair or re-exam on a schedule less than one year.	
Exceed Standard	• Training for crew on corrosion, deformation, and fractures.	Location:
	 Company provides safety equipment and equipment to 	
	record findings (intrinsically safe camera, drone).	
	Ballast tanks and cargo holds are inspected at least	
	annually to detect potential structural failures, cracks, coating	
	integrity, and excessive corrosion. Company has written	
Accepted Standard	procedures for tank or hold inspections performed by crew	
	which includes risk assessment and enclosed space work	
	permitting.	
Below Standard (risk	Example: No plan for safety of crew or ship when performing	
indicator)	these inspections.	
	AUGING (Optional – for use on expanded inspection)	
	3(D), (E) (U.S. Only); SOLAS Ch. XI, reg. 2.	
- 10	Example: Ultrasonic gauging for vessels under 15 years of	Last Inspection:
Exceed Standard	age.	Inspected by:
	Ultrasonic gauging of hull & tanks performed every 3 years or	
Accepted Standard	less or IACS Enhanced Hull Survey program.	Location:
Below Standard	Example: Ultrasonic gauging of hull and tanks not performed	
(risk indicator)	when required.	
· · ·	ATING PROCEDURES/EQUIPMENT - Equipment Error Che	cks (Ontional – for use on expanded inspection)
		cks (Optional – for use on expanded inspection)
Ref: SOLAS Ch. V, reg. 19-	2 (steering gear); STCW A-II/1, A-II/2, and VIII/2 part 3-1; 33 CFR 164.25	
	Example: Equipment checked before approaching land, traffic	
Exceed Standard	lanes, pilot station, or other dangerous waters	
	Radars, compass (gyro and magnetic), and repeaters checked	
Accepted Standard	at least once per watch for errors.	
	Example: Checks are not recorded or are incomplete.	
Below Standard	· · · · · · · · · · · · · · · · · · ·	
(risk indicator)		
5.1.7: BRIDGE OPER	ATING PROCEDURES/EQUIPMENT - Helmsman and Looko	out (Optional – for use on expanded inspection)
Ref: STCW A-VIII/2, part 3		
	Example: Helmsman and lookout are included in the bridge	
Exceed Standard	team briefing and debriefing.	
	Lookouts are assigned no other duties and the helmsman	
Accorted Standard	does not serve as lookout.	
Accepted Standard	מטכא ווטג אבו על מא וטטגטענ.	
	Example:	
Below Standard	• Failure to assign a lookout in restricted/ congested waters.	
(risk indicator)	 Deck log does not indicate when additional lookout should 	
	be assigned to bridge, such as in restricted visibility.	
		vnanded inspection)
	OURES - Ground Tackle Readiness (Optional – for use on ex	
Ref: ISM, STCW, and 33 Cl		
	Example: Anchor brake and associated equipment is	
Evened Standard		
Exceed Standard	considered critical equipment in the PMS.	
Exceed Standard		
Exceed Standard Accepted Standard	considered critical equipment in the PMS.	
	considered critical equipment in the PMS. Anchors cleared and ready to drop before sea buoy, if safe to do so.	
	considered critical equipment in the PMS. Anchors cleared and ready to drop before sea buoy, if safe to do so. Example: No crew assigned to stand-by anchor, or crew is not	
Accepted Standard	considered critical equipment in the PMS. Anchors cleared and ready to drop before sea buoy, if safe to do so.	

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	OURES - Anchor Watch (Optional – for use on expanded in	spection)
Ref: STCW A-VIII/2, par. 5		
Exceed Standard	 Example: Rating assigned to roam deck and report to OOW condition of vessel and anchor chain position. HSC Anchoring SOC is readily available and adhered to. 	
Accepted Standard	A licensed deck officer is standing watch on the vessel's bridge and monitoring the vessel's position while anchored in state waters.	
Below Standard (risk indicator)	 Example: Bridge is left unattended for any period while anchored (such as during bathroom or coffee break). Electronic equipment alarms not enabled. 	
	OURES - Safety Patrol (Optional – for use on expanded insp	
Ref: STCW A-VIII/2, part 4	I, par. 90 (in port); SOLAS, Ch. II-2, reg. 40 (p/v only). (Verify by checking I I	ogs, standing orders)
Exceed Standard	Example: Monitoring devices such as cameras and motion sensors are used in addition to rounds.	
Accepted Standard	Safety patrol rounds of the vessel are conducted hourly while in port or at anchor and at least once per watch while underway	
Below Standard (risk indicator)	Example: Safety patrol rounds not required on a regular schedule, are incomplete, or not recorded.	
	PREPAREDNESS- Emergency Towing (Optional – for use or	expanded inspection)
Ref: SOLAS, Ch.II-1, reg. 3		
Exceed Standard	Example: Readily deployable emergency towing package.	
Accepted Standard	Emergency towing plan meets IMO Guidelines and drills are conducted twice annually.	
Below Standard (risk indicator)	Example: Emergency towing drills are not conducted twice annually or lack realism such as heavy weather or loss of power.	
5.5: STABILITY CALC	ULATIONS & CARGO PLANNING (Optional – for use on exp	panded inspection)
Ref: SOLAS, Ch. VI, reg. 7	('96 amendments); 46CFR78.17-22, 97.11-12	
Exceed Standard	 Example: Stability known by all deck officers. Frequent updates of load/discharge operation. Record (paper or electronic) of stress verifications. 	
Accepted Standard	Vessel Master and Chief Officers prepare, update, and monitor stability plans for all cargo loading and unloading operations.	
Below Standard (risk indicator)	 Example: Incomplete/inadequate pre-load plan prepared. Dangerous cargo manifest not readily available or not completed prior to loading or departure. 	Plan Elements: transverse stability, longitudinal hull stress, sheer forces, bending moments, and ballasting.
	OPERATING PROCEDURES - Engine Room (E/R) Crewing	(Optional – for use on expanded inspection)
Ref: STCW A-VIII/2, part 3		
Exceed Standard	 Example: Procedures in place to ensure engineering officers do not exceed work hours during long maneuvering periods. Emergency procedure checklists posted or easily found and known by engineers. Additional engineering officer onboard. 	
Accepted Standard	Engine Room and/or Control Room manned by two Engineers and one rating while in WA waters.	
Below Standard (risk indicator)	Example: ER unattended during maneuvering.	

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	CONTRACTING DROCEDURES Stateming Coord Flat (Ontional	for use on summer ded insurantian)
	G OPERATING PROCEDURES - Steering Gear Flat (Optional	– for use on expanded inspection)
RET: SOLAS, Ch. V, reg. 19	9-2; 33 CFR 164.11(t) and 164.25 Example: Video monitoring of flat from Engine Control Room	
	(ECR) / bridge or hourly rounds made while at anchor or	
Exceed Standard	moored.	
	Tests conducted per CFR and hourly rounds made while	
Accepted Standard	underway in WA waters. (Connections properly greased).	
	underway in wA waters. (connections property greased).	
	Example:	
	 System malfunctioning or vessel failed to conduct CFR 	
Below Standard	required testing (alarms, swing and operate pumps).	
(risk indicator)	 Poor housekeeping. Evidence of leaks. Unsecured or 	
	excessive stored material.	
	• Emergency exit blocked.	
5.3.5: ENGINEERING	G OPERATING PROCEDURES - Lube Oil Systems (Optional –	for use on expanded inspection)
Ref: SOLAS, Ch. II-1, reg.	15	
Exceed Standard	Example: Records of lube oil analysis.	
LAUCCU JIAIIUAIU	Primary and back-up lube oil systems, including pumps,	
	piping, valves, coolers, and switching mechanisms, are tested	
Accorded Chandend	or inspected to verify they are operational no more than 12	
Accepted Standard	hours prior to transiting Washington waters. (records of	
	maintenance for lube oil system and purifier)	
	Example:	
Dalau. Chandand	 Back-up IUSube oil pump untested. Evidence of leaks/drips 	
Below Standard	from lube oil system piping/flanges/couplings.	
(risk indicator)	 Lube oil system not on pre arrival/departure checklists. 	
	·	
	G OPERATING PROCEDURES - Fuel and Lube Oil Strainers	
Ref: SOLAS, Ch. II-1, reg.		
Exceed Standard	Example: Strainers throughout machinery space are maintained and free of residual oil.	
	Strainers cleaned within 12 hours prior to entry/departure.	-
Accepted Standard	(records of maintenance for automatic self-cleaning strainers)	
	Example: Evidence of strainers unclean/clogged or not	
Below Standard	maintained. Residual oil or soaked pads in the strainer	
(risk indicator)	containment.	
6 3 1 · ENGINEERIN	G OPERATING PROCEDURES – Electrical Systems	
Ref: STCW A-VIII/2, part		
, , ,	Example:	EDG on standby confirmed? Y/N
	• The following conducted annually:	
	• Thermographic survey of the electrical system.	
Exceed Standard	 Automation testing (including float switches etc.). 	
	 Inspection of junction boxes on motors. 	
	If alternative fuels are used (ammonia in particular)	
	electrical system designed to meet spark-proof standards.	
	All generators tested and proven plus two main generators	
Accepted Standard	online for maneuvering.	
	-	
	Example:	
	 No annual insulation testing of high voltage equipment 	
	(MEGGER testing).	
Below Standard (risk indicator)	Vessel maneuvers on only one generator.	

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7.1: DECK (Optional	7.1: DECK (Optional – for use on expanded inspection)			
Ref: SOLAS, Ch. I, reg. 11	and Ch. II-1, reg. 3-1 ('96 amendments), 46 CFR Subchapter B – U.S. flag			
Exceed Standard	Example: Excellent condition. All deck tank vents are labeled correctly for the tanks they are servicing. Deck containment well maintained.			
Accepted Standard	Deck areas are well maintained, and all oil, garbage and debris are cleaned up promptly.			
Below Standard (risk indicator)	Example: Serious deterioration of hull, piping, fittings and/or structural members. Leaks from hatch cover hydraulics. Deck containment heavily eroded.			
	ION (Optional – for use on expanded inspection) 46 CFR subpart 92.20 (U.S. only)			
Exceed Standard	Example: Excellent condition.			
Accepted Standard	Accommodation spaces are well maintained and in sanitary condition. Equipment should be maintained in compliance with international and U.S. requirements.			
Below Standard (risk indicator)	Example: Crew spaces not clean, equipment broken. ILO-147 violations. Insufficient food aboard.			

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