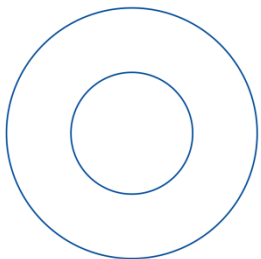


Navigating the R,C&S

Rules, Codes & Standards

Gijsbert Portheine & John Awater



Bluewater FPSO fleet

bluewater



Glas Dowr

ENI
Kitan Field Australia (2011)



Aoka Mizu

Nexen
Ettrick Field UK (2009)



Bleo Holm

Talisman
Ross field UK (1999)



Haewene Brim

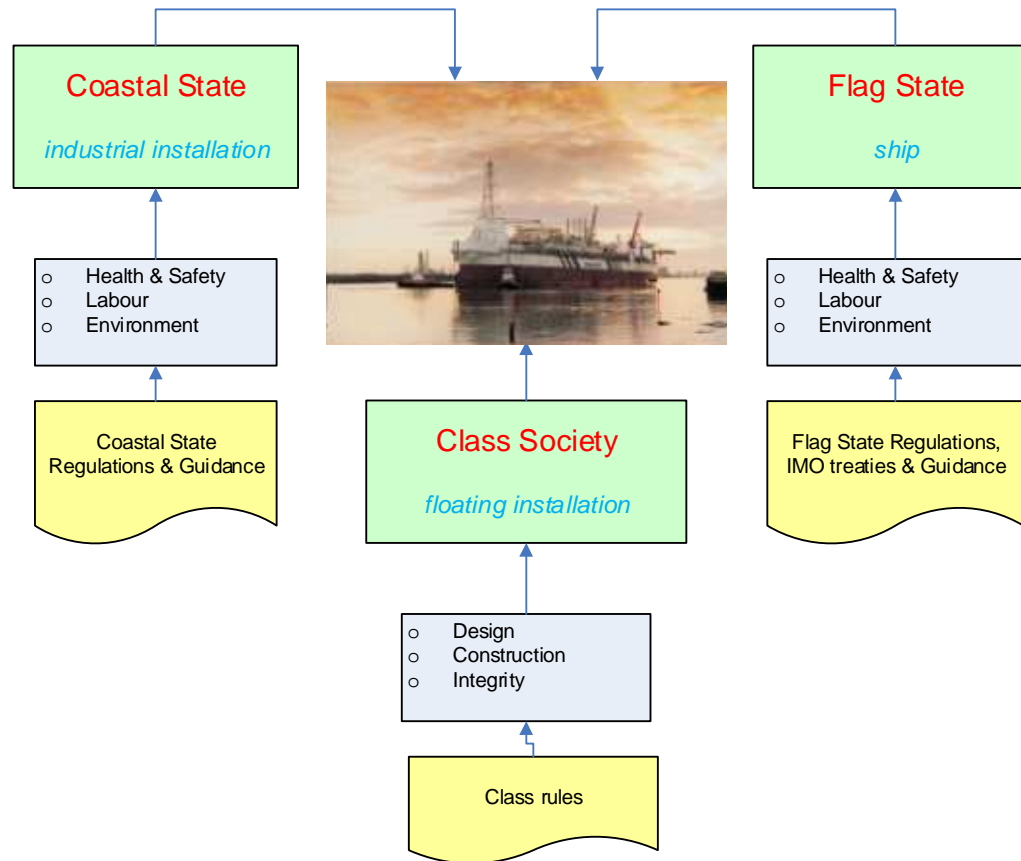
Shell
Pierce field UK (1999)

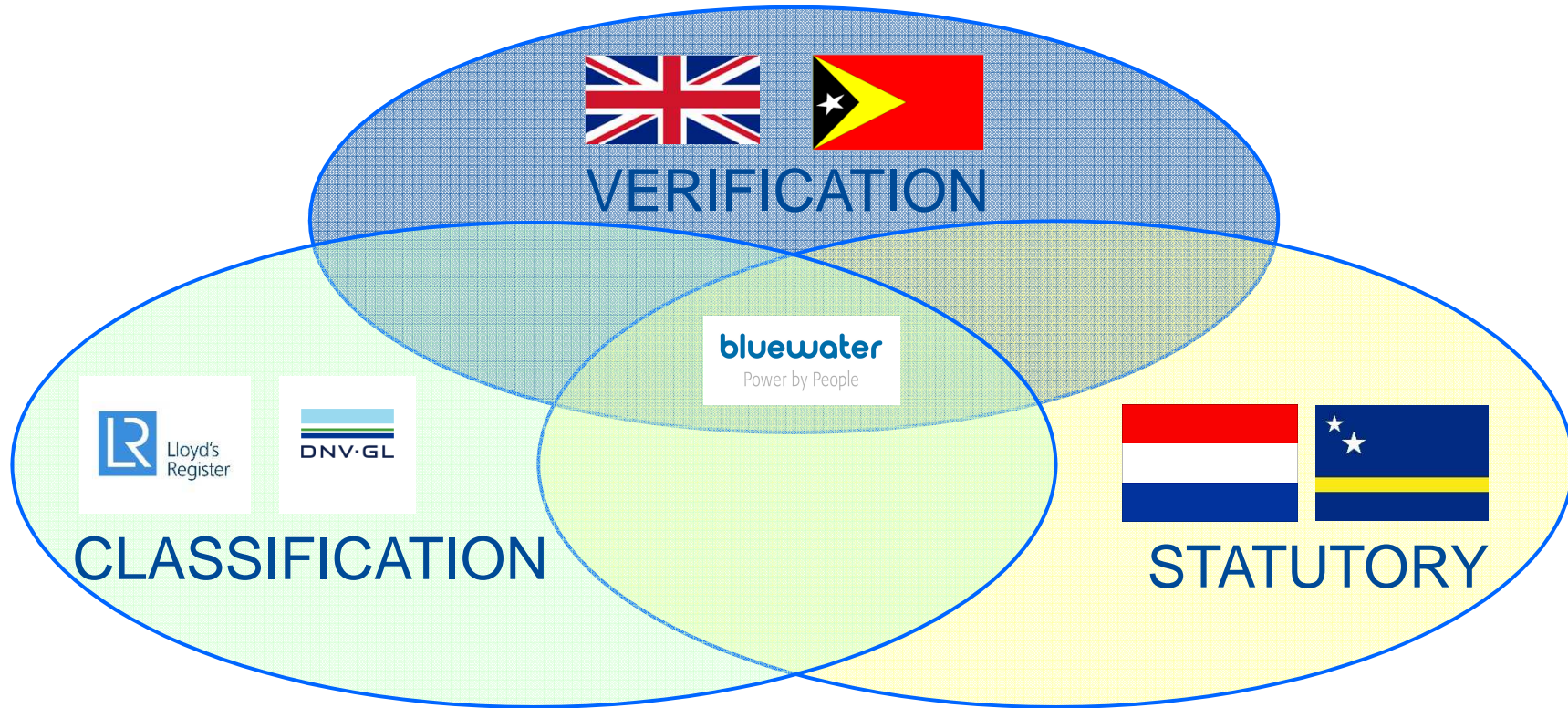


Munin

Warm Stacked
Batam Island (2012)

Certifying & Licensing Authorities bluewater





Government requirement

(a) Requirements of the coastal state:

- › International treaties to which the coastal state is a party;
- › National laws and regulations;
- › Individual licences or permits issued by government authorities;
- › Guidance.

(b) As regards the vessel, requirements of the flag state:

- › International treaties to which the flag state is a party, including mandatory IMO Codes;
- › National laws and regulations;
- › Individual decisions or exemptions granted by the Maritime Authority of Curaçao (MAC) and Netherlands Shipping Inspectorate (IL&T).

Classification society rules

Client requirements

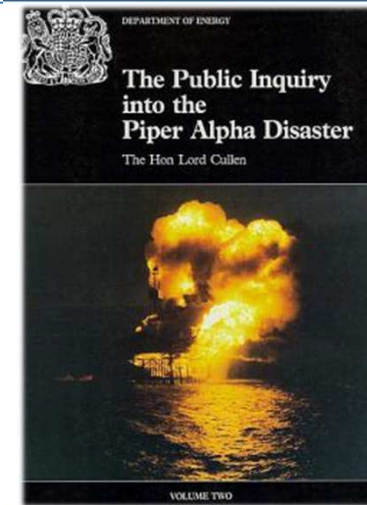
- › Client specifications & standards
- › Additional non-mandatory government requirements or guidance
- › Industry guidelines and standards.

Bluewater standards

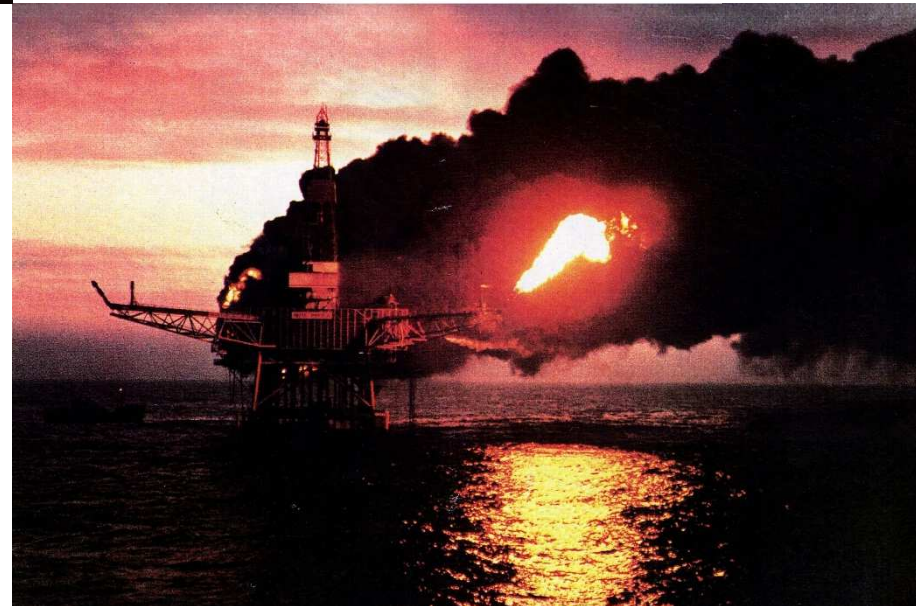
- Contractor standards
- Any deviations from an established requirement must first be approved by the relevant party, i.e. government authority (when possible), classification society, independent verification body or client.

Major Accidents

bluewater



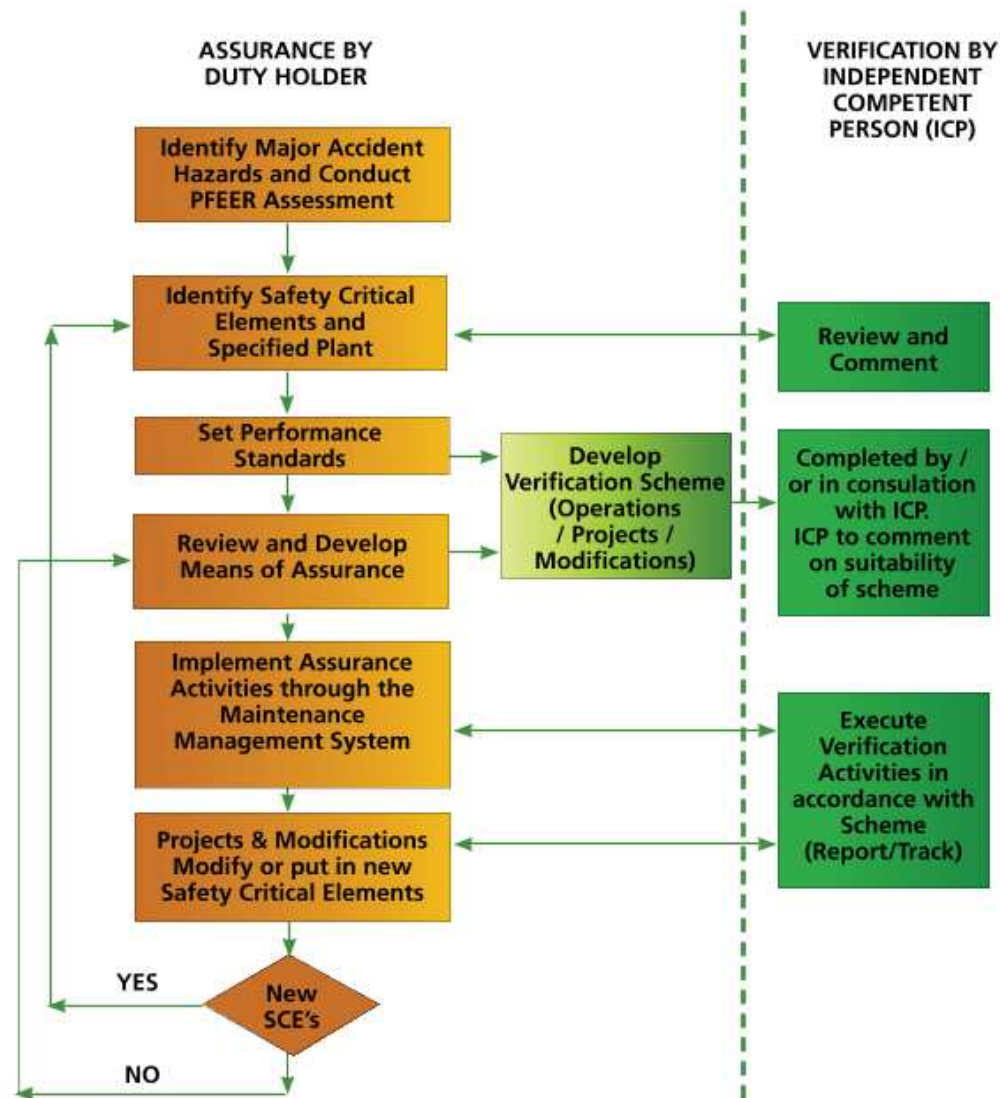
- Lord Cullen's inquiry and report
- 102 recommendations endorsed by the UK Government
- New goal-setting Safety Legislation



- Legislation is the framework to address and manage the risk of **Major Accident Hazards (MAHs)**

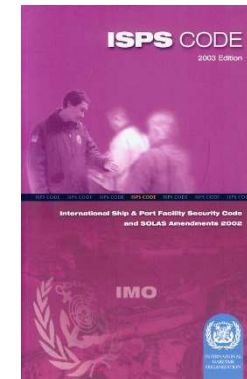
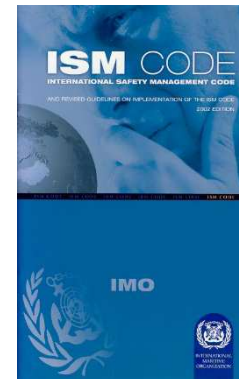
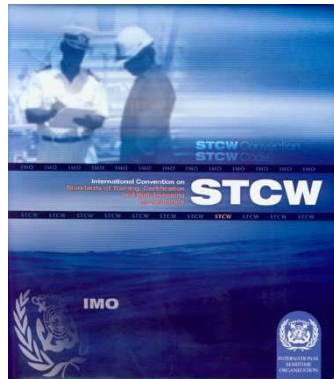
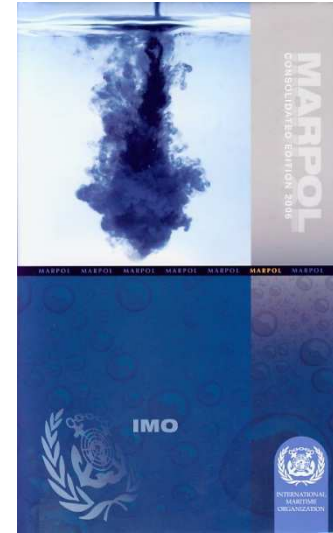
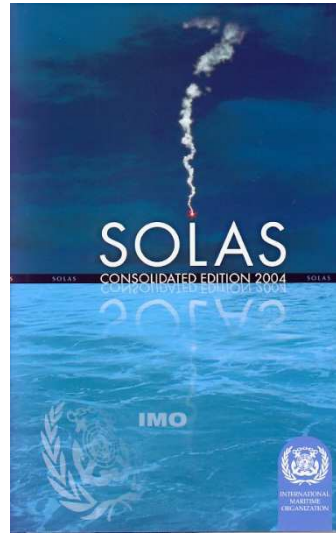


Assurance vs Verification



IMO Conventions & Codes

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Other Conventions & Codes

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- ✓ Int. Convention on Load Lines (LL)
- ✓ Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code)
- ✓ Convention on the Int. Regulations for Preventing Collisions at Sea (COLREG)
- ✓ Int. Convention on Civil Liability for Oil Pollution Damage (CLC)
- ✓ Int. Convention on Civil Liability for Bunker Oil Pollution Damage
- ✓ Int. Code on Intact Stability (IS Code)
- ✓ Int. Convention for the Control and Management of Ships' Ballast and Sediments
- ✓ Int. Safety Management Code (ISM Code)
- ✓ Int. Ship and Port Facility Security Code (ISPS)
- ✓ Int. Code of Signals
- ✓ Int. Life Saving Appliances Code (LSA Code)
- ✓ Int. Code for application of Fire Test Procedures (FTP Code)
- ✓ Int. Code for Fire Fighting Systems (FSS Code)
- ✓ Int. Convention on the Control of Harmful Anti-Fouling Systems on Ships (AFS)
- ✓ Int. Maritime Dangerous Goods Code (IMDG Code)
- ✓ Code of Safe Practice for the Carriage of Cargoes and Persons by Offshore Supply Vessels (OSV Code)
- ✓ Convention on Facilitation of Int. Maritime Traffic (FAL Convention)
- ✓ Hong Kong Int. Convention for the Safe and Environmentally Sound Recycling of Ships
- ✓ Int. Convention for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code)
- ✓ Int. Code of Safety for High-Speed Craft (HSC Code)
- ✓ Int. Code of Safety for Dynamically Supported Craft (DSC Code)
- ✓ Torremolinos Int. Convention for the Safety of Fishing Vessels
- ✓ Int. Convention for Safe Containers (CSC)
- ✓ Int. Convention on Oil Pollution Preparedness, Response and Cooperation (OPRC)
- ✓ Nairobi Int. Convention on the Removal of Wrecks
- ✓ Int. Convention on Tonnage Measurements of Ships
- ✓ Int. Convention on Salvage
- ✓ Int. Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
- ✓ Int. Code for the Safe Carriage of Grain in Bulk
- ✓ Int. Code for the Safe Carriage of Packed Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes on Board Ships (INF Code)
- ✓ Code of Safety for Special Purpose Ships (SPS Code)
- ✓ Int. Maritime Solid Bulk Cargoes Code (IMSBC Code)
- ✓ Code of Safe Practice for for Ships Carrying Timber Deck Cargoes (TDC Code)
- ✓ Int. Code on the Enhanced Programme of Inspections during Surveys of Bulk Carriers and Oil Tankers (ESP Code)
- ✓ Code of Practice for the Safe Loading and Unloading of Bulk Carriers (BLU Code)
- Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code)
- ✓ Code of Safety for Diving Systems
- ✓ Code on Alerts and Indicators
- ✓ Int. Convention on Search and Rescue (SAR)
- Etc, etc