

Co-operative Regulation

Peter Harris – NOPSA
Jack McGee – ENSCO

DrillSafe
Sept 05

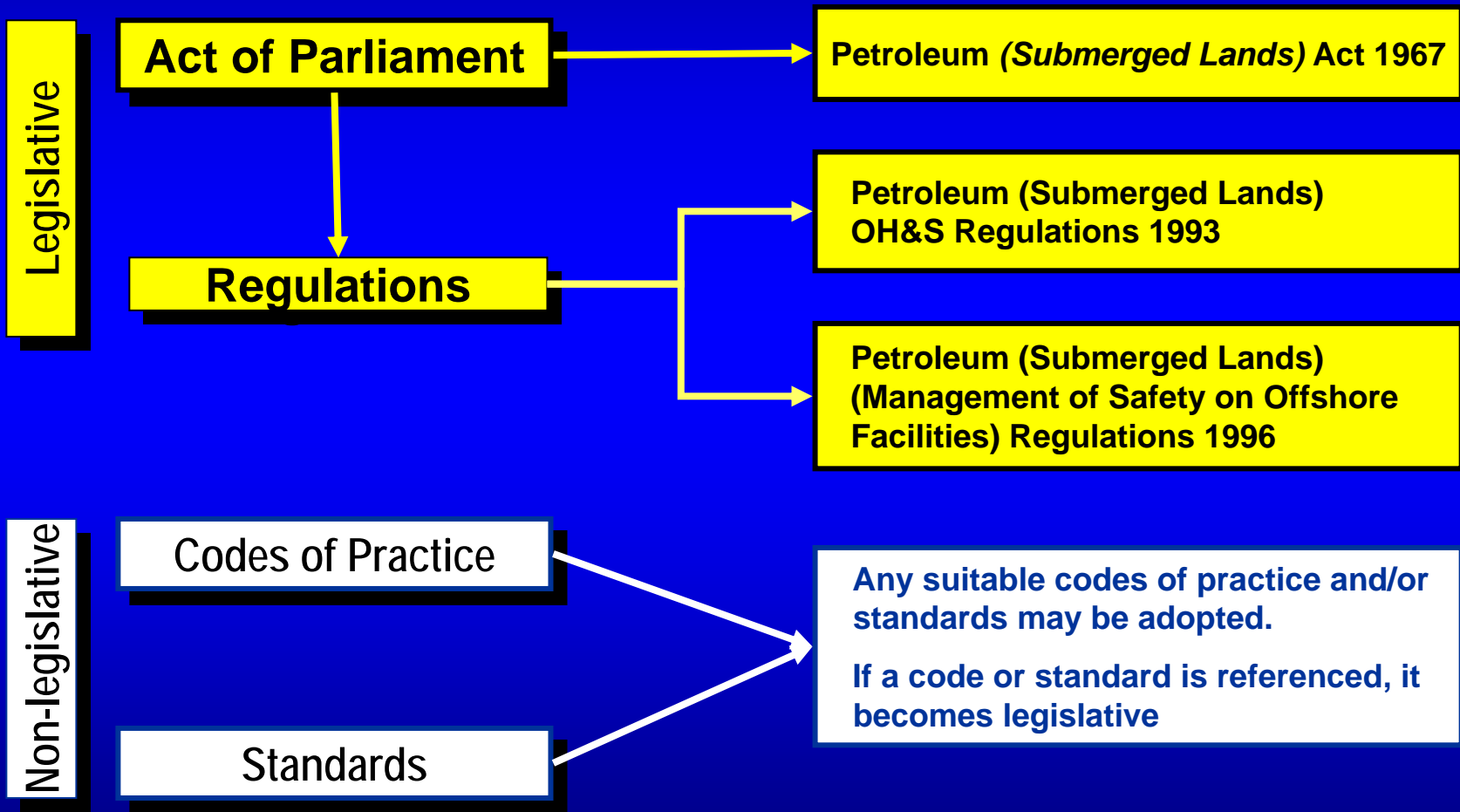
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Cooperative Regulation

1. Review of Legislative Requirements
2. Linkages with the Safety Case
3. The operator & regulator working together

Review of Legislative Requirements

Review of Legislation



Regulations

Petroleum (Submerged Lands) (Management of Safety on Offshore Facilities) Regulations 1996

- Part 1** - Preliminary
- Part 2** - Operations
- Part 3** - Safety Cases
- Part 4** - Validation
- Part 5** - Notifying & Reporting Accidents & Dangerous Occurrences
- Part 6** - Penalty Provisions
- Part 7** - Miscellaneous
- Part 8** - Transitional provisions

Regulations

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- Part 1 - Preliminary
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Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 – Objects

Clause (a) - To ensure that offshore petroleum facilities are constructed, installed, operated, modified and decommissioned in Commonwealth waters only in accordance with Safety Cases that have been accepted by the Safety Authority

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 – Objects

Clause (a) - To ensure that offshore petroleum facilities are constructed, installed, operated, modified and decommissioned in Commonwealth waters only in accordance with Safety Cases that have been accepted by the Safety Authority

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 – Objects

Clause (b) - To ensure that Safety Cases for offshore petroleum facilities or proposed offshore petroleum facilities make provision for the following matters in relation to Health and Safety of persons at or near facility.

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 – Objects

Clause (1) – The identification of hazards & assessment of risk

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 - Objects

Clause (2) – The implementation of measures to eliminate the hazards, or otherwise control the risk

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 - Objects

Clause (3) - A comprehensive & integrated system for management of hazards & risk

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 - Objects

Clause (4) - Monitoring, auditing, review & continuous improvement

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part 1 - Preliminary

Regulation no. 3 – Objects

Clause (c) - The risk to health & safety of persons at the facilities are reduced to a level that is as low as reasonably practicable

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

Part	3 – Safety Cases
Division	1 – Contents of Safety Cases
Regulation no.	9 – Facility Description, Formal Safety Assessment & Safety Management System

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

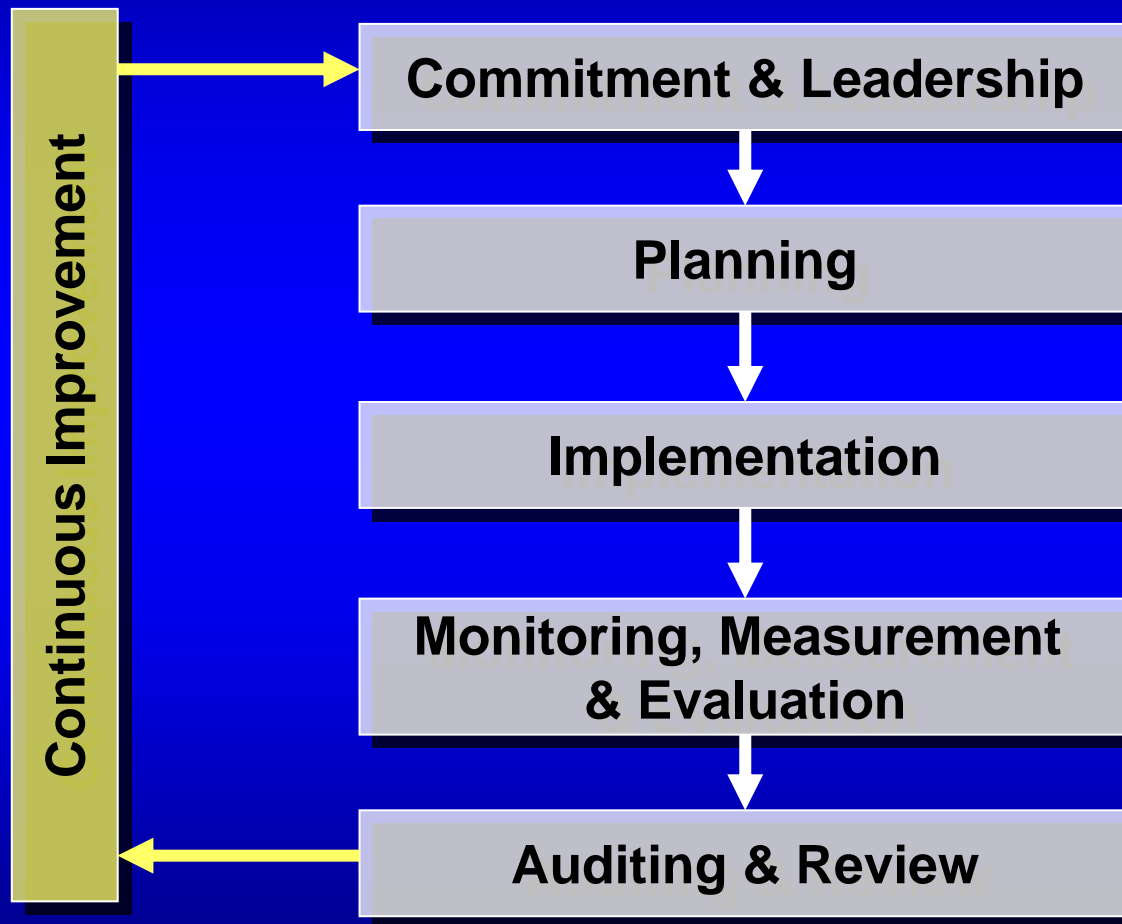
Part	3 - Safety Cases
Division	2 - Submission & Acceptance of Safety Cases
Regulation no.	28 - Safety Case to be submitted to Safety Authority
Clause	(4) - The operator must not submit the Safety Case before the operator and the Safety Authority have agreed on the scope of the validation for the facility

Petroleum (SL) (Management of Safety on Offshore Facilities) Regulations 1996

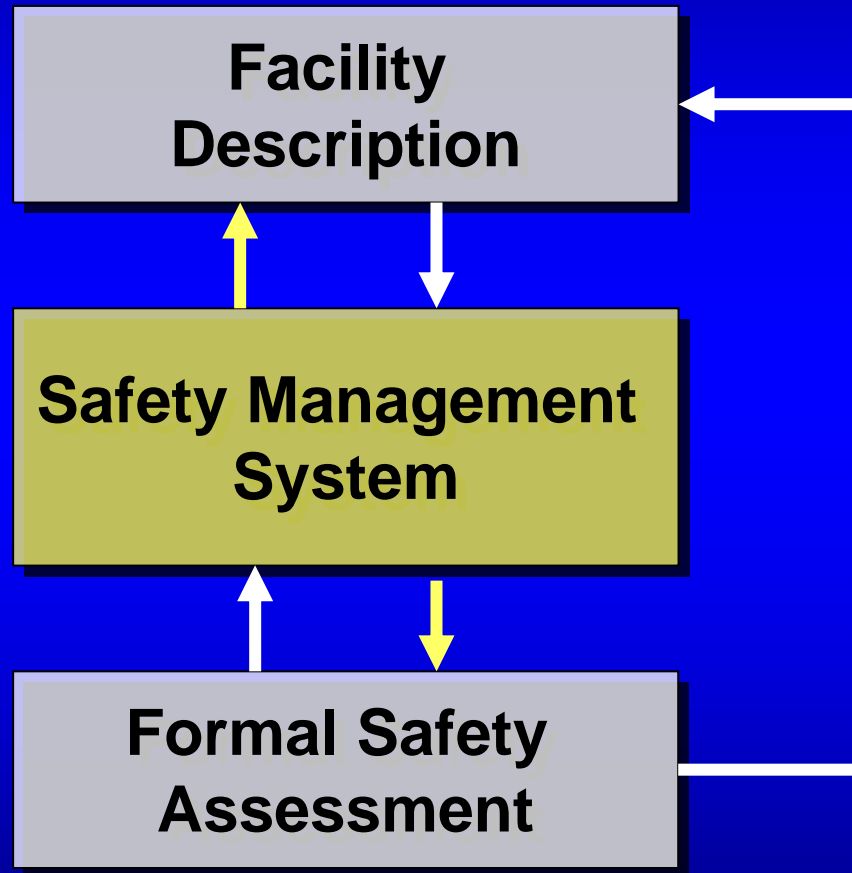
Part	4 – Validation
Regulation no.	44 - Validation of design, construction & installation, significant modification or decommissioning of a facility
Clause	(4) - The validation must establish to the level of assurance reasonably required by the Safety Authority

Linkages with Safety Case

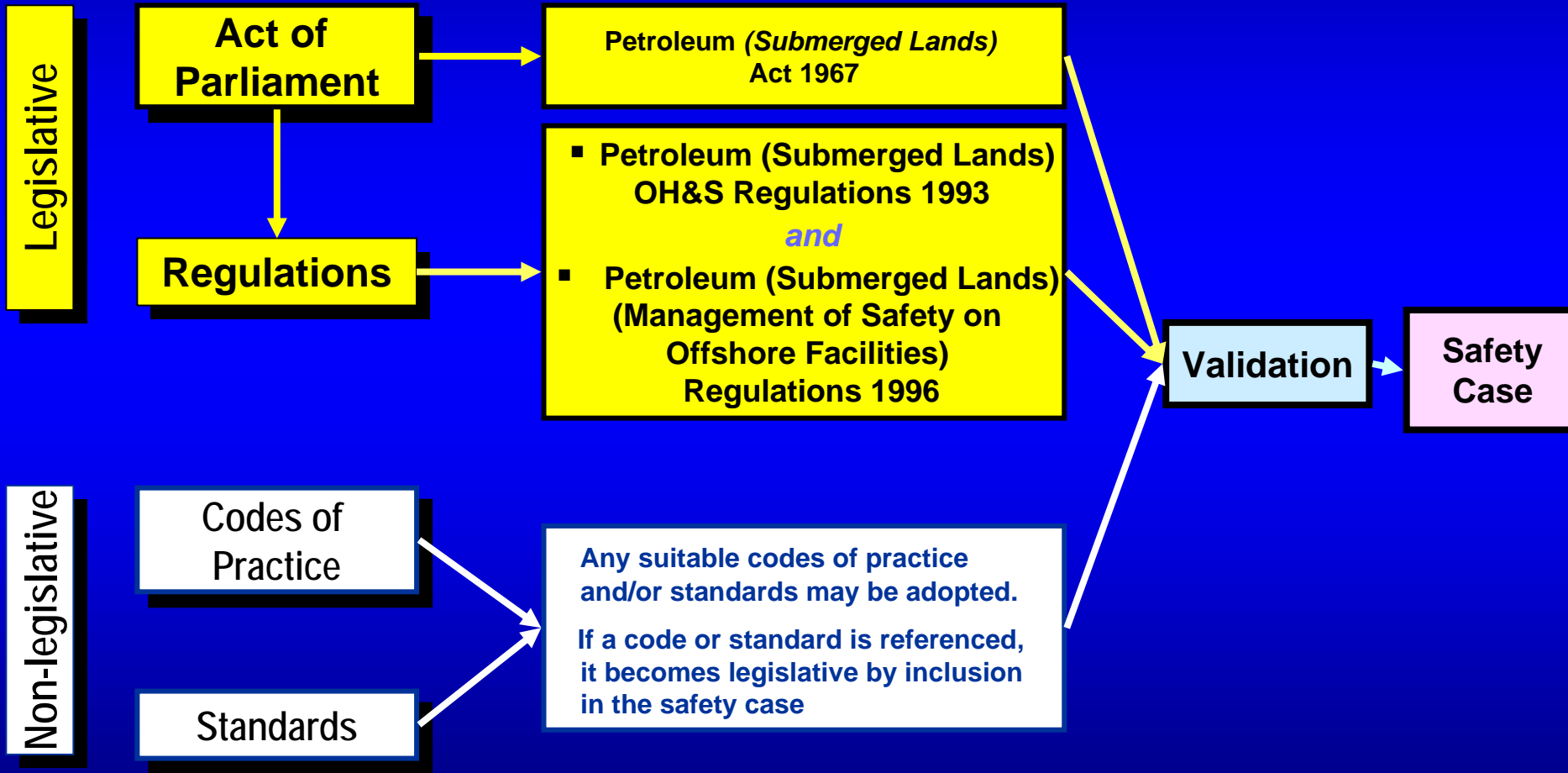
Safety Management System



Components of the Safety Case

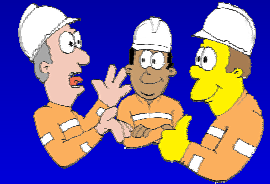


Pulling it Together



The Operator & Regulator Working Together

Changing Approach in Safety Case Review



Consultative Approach

- Working within Safety Authority framework
- Communicating with Safety Authority
- Visiting E67 Singapore (NOPSA)
- Demonstrating validation process
- *'Designing out'* hazards during construction
- Consulting with Lease Holder inspectors during validation
- Validating equipment until E67 *'load out'* of Singapore

Consultative Approach

