



CNOOC International Exploration Drilling

Date: Dec 4th, 2019



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CNOOC International is a global energy company with a vision of delivering safe, sustainable energy for all.



“DO IT SAFELY.... OR NOT AT ALL”



Safety First

Identify and communicate Safety Management risks to help protect the safety and well-being of myself, my co-workers and the communities and environment.



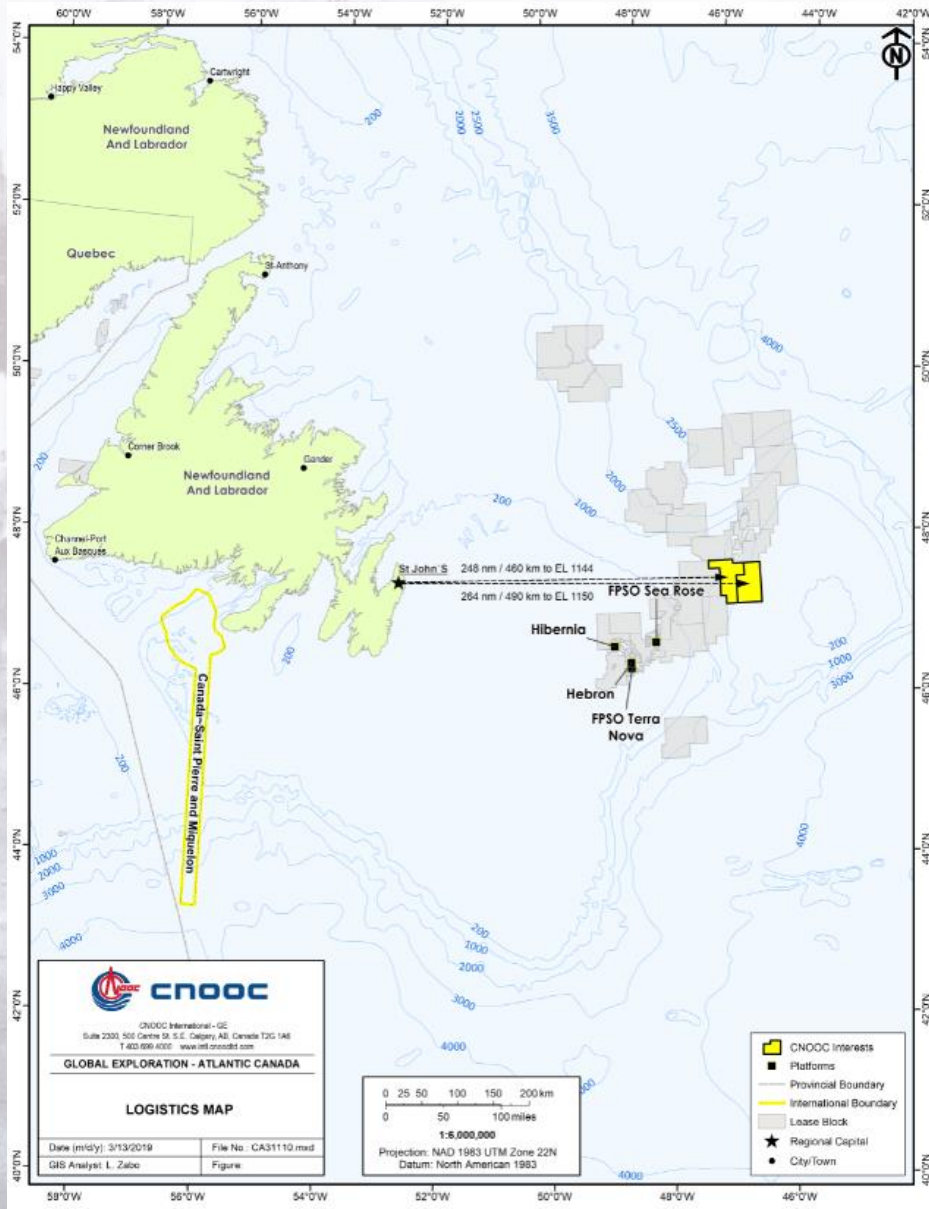
Step Up & Do it Right

Understand and follow through with your responsibilities related to Safety Management.



Win Together

Ask questions and collaborate with others to achieve best-in-class results in Safety Management.



Newfoundland & Labrador

CNOOC Petroleum North America ULC Flemish Pass Exploration Drilling Project

Key Project components and activities include:

- 2019 GPA Visual Seabed Survey
- 2020 Drilling activities planned for one well with a second well option

Stena IceMAX contracted for 2020 campaign

AS-ATC-PRA-0054



CNOOC International Limited

Flemish Pass Exploration Drilling Project Environment Protection Plan

*Conformance with this Procedural Aid is mandatory.
You may not 'opt-out' of any requirement identified herein.*

Accountable Owner:		Responsible Author:					
Publish Date:	25-Jul-19	Required Review Date:	25-Jul-22				
Effective Date:	25-Jul-19	Revision:	1.0				
Primary Regulation(s) Addressed by Document:	C-NLOPB Environment Protection Plan Guidelines	Asset Life Cycle:	Explore	Develop	Produce	Market	Abandon
			√	√	□	□	□
Standard /Business Process Number & Activity # or Policy Statement #:	GLOBAL-STD-0106-FN	Applicability:	Atlantic Canada				

For document history, see the CNOOC International Management System (CIMS).

Uncontrolled if Printed

Environmental Protection Plan (EPP)

- Submitted in support of Operations Authorization
- Describes protection measures and compliance monitoring requirements
- Developed in compliance with applicable legislation and regulations
- Identifies substances approved for discharge

KEEP WITHIN CONTROL LIMITS REDUCE LIKELIHOOD

- Management Systems
- Equipment testing, certification
- Training and Competency
- Rig Safety Case
- Multi-barrier policies (BOP)

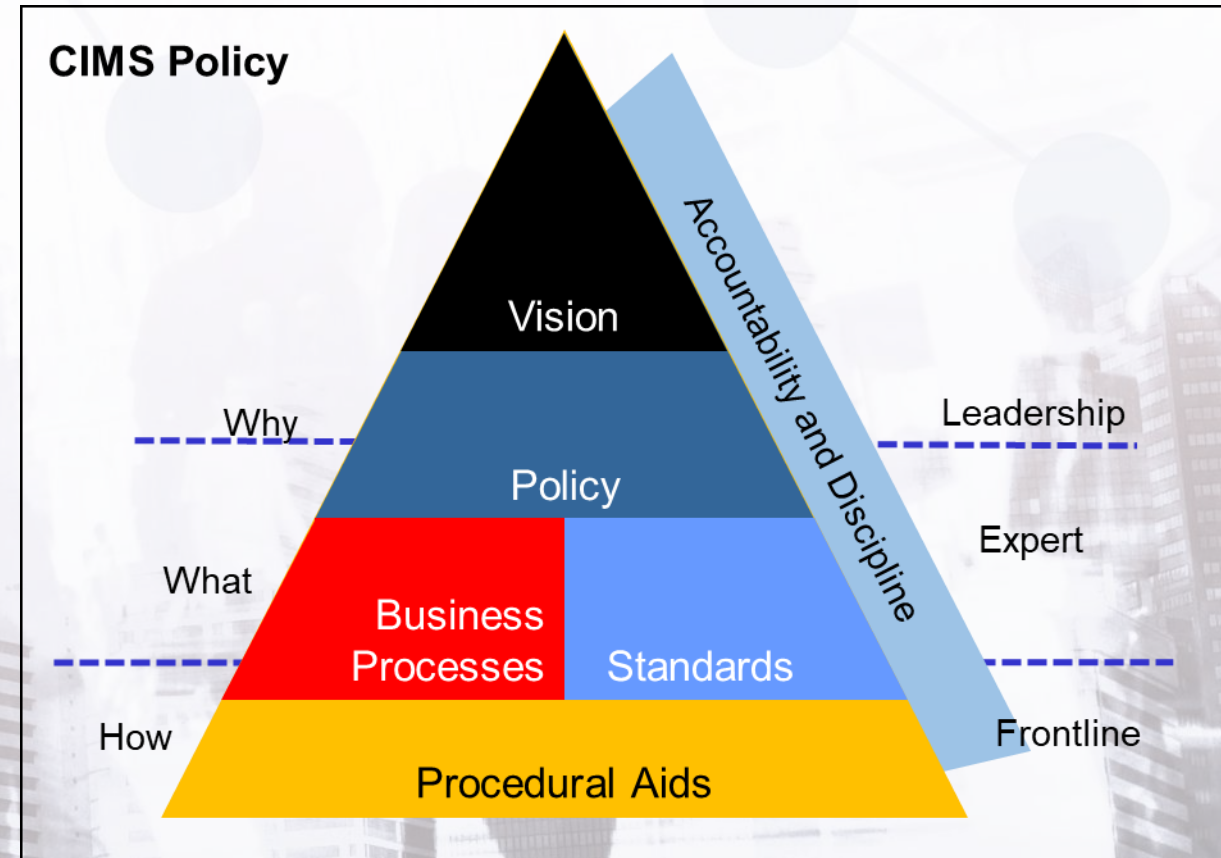
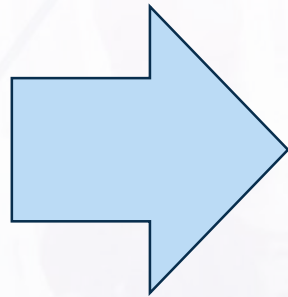
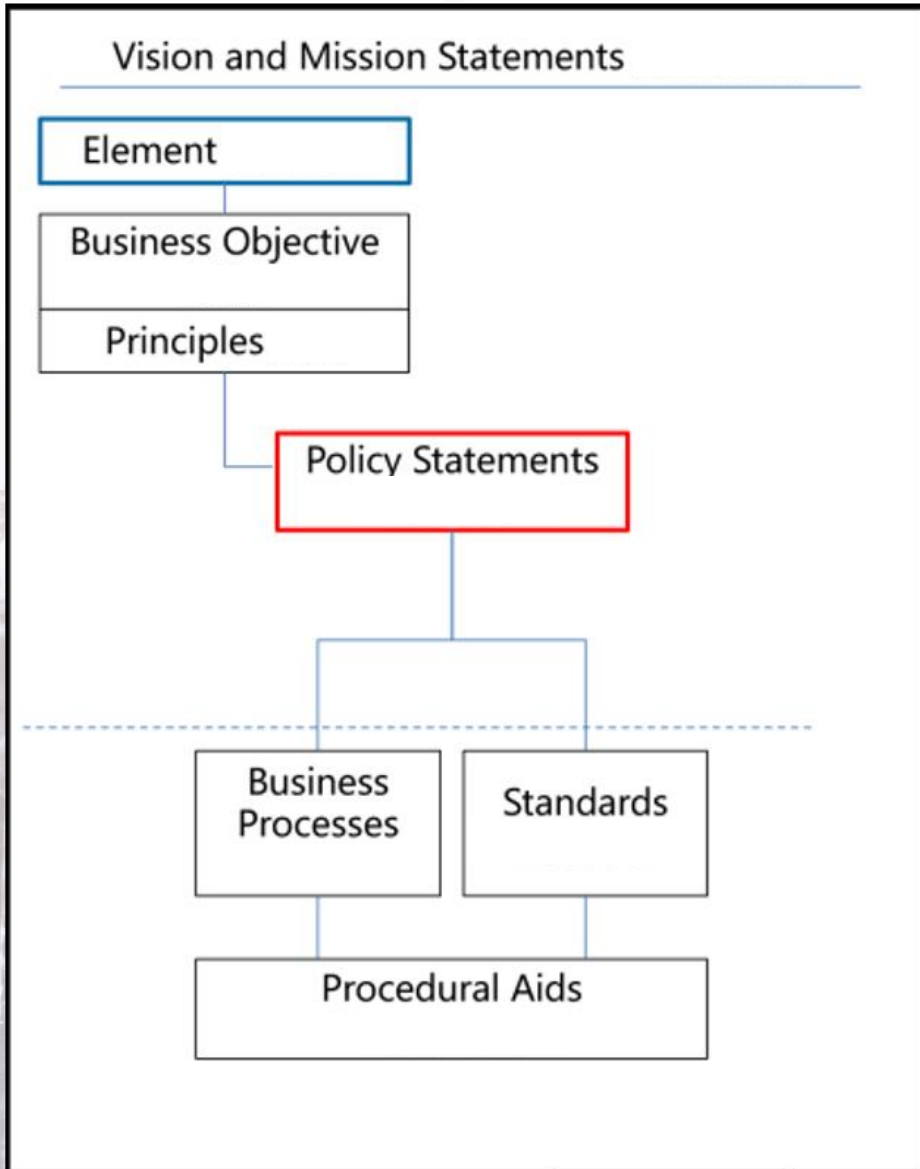
CONTROL
&
BARRIERS

INCIDENT

RESPONSE
&
RECOVERY

MITIGATE CONSEQUENCES PLAN FOR RECOVERY

- Blowout Preventer
- Blowout Contingency Plan
- Oil Spill Response Plan
- Cap and Contain Equipment
- Relief Well Plan
- Technical expertise
- Emergency Response Team



1

Rig acceptance in accordance with CNOOC International Management System

2

Third Party inspections and verification of equipment/processes

3

Certification Authority verification and approval for equipment used on project

4

Internal Inspections and Audits

Atlantic Canada Offshore Petroleum Industry: Standard Practice for the Training and Qualification of Personnel is the primary guidance

In addition to meeting these requirements CNOOC:

- **Provides Environmental Protection Plan awareness training to all personnel that will be involved in offshore project operations**
- **Conduct contractor assessments to ensure compliance with our policies and procedures**
- **Conducts contractor assessments to ensure compliance with their own policies and standards**

Atlantic Canada Offshore Petroleum Training and Qualifications Committee

STANDARD PRACTICE

Atlantic Canada Offshore Petroleum Standard Practice for the Training and Qualifications of Offshore Personnel

November, 2017

Stena IceMax Safety Case Demonstrates:

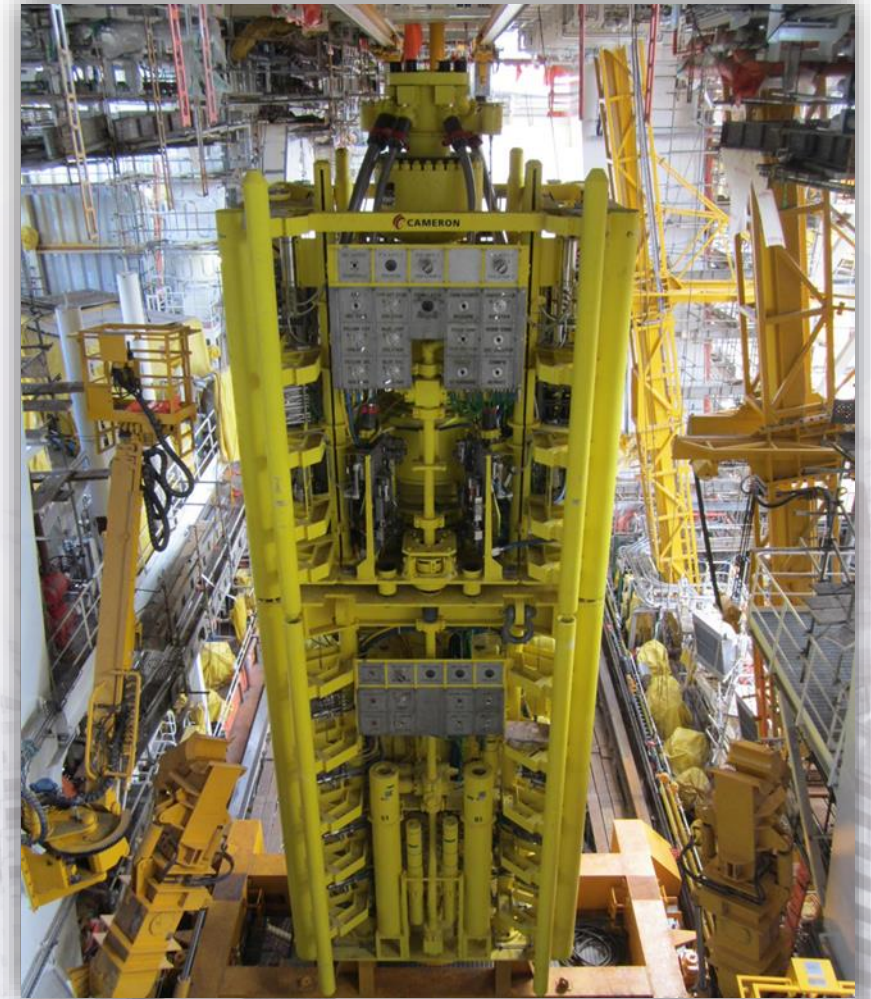
- Stena Drilling, the operator of the Stena IceMax, has an effective Safety and Environmental Management System (SEMS) in place.
- A detailed and systematic formal safety assessment has been performed which:
 - Identifies all hazards and associated credible accident events associated with the operation of the Stena IceMax
 - Shows that the risks associated with major accident events are appropriately managed and reduced to ALARP



CNOOC ensures that two independent and tested well barriers are in place during well operations

In the event of a barrier failure, only activities intended to restore or replace the barrier take place in the well

Must ensure that no single barrier failure will result in a release to the environment



THANK YOU

