

**ABSTRACT**

The development of a Source Control Emergency Response Plan is one of the best ways in which an operator can ensure that the goals of their regional or project-specific Source Control emergency preparedness efforts will be met, if needed.

Procedures for handling emergencies are absolutely essential to ensure the protection of life, property, and the environment.

This Source Control Emergency Response Plan (SCERP) is based on decades of conventional and subsea well control experience to ensure that the planning efforts and to develop Source Control Emergency Response Planning (SCERP) through field deployment of the system in order to cap a subsea well. The aforementioned experience covers many years of source control, well control and intervention operations in conceivable operational settings and in a variety of geographic locations.

The equipment and procedures specified in this SCERP address a "worst case" scenario involving a loss of well control, necessitating the immediate mobilization of intervention equipment and personnel.

The primary objective of the SCERP is to establish a process for responding to and safely managing source-control emergencies using a standard, uniform approach. This process includes the following information:

- emergency contact information and resources
- response management
- source-control operational overview with strategic methodologies
- organizational staffing recommendations
- check list to guide groups and unit leaders and
- key resource identification

The SCERP is not intended to replace sound judgment. Modification of the mobilization plan and intervention strategy may be necessary, depending on circumstances.

Subsea source-control events require common sense and professional judgment on the part of the person(s) in charge of operations, and no operation should be undertaken if it involves unreasonable risk to personnel.

Additional, a Logistics Plan must be developed to support operations by identifying mobilization guidelines from the stored location for the capping stack and other support equipment necessary to secure the well. Disembarkation of the equipment clearly offering various options with estimated timelines for transporting the equipment by air, ground and sea should also be outlined to ensure equipment arrives timely and safely. Locating vessels and rigs meeting operational requirements will help ensure well incidents are managed and executed within incident-command and other expectations.

**Source Control Emergency Response Plan (SCERP)**

Subsequent to 2010, offshore Blow Out Contingency Plans (BOCP) and Oil Spill Response Plans (OSRP) are required to include a provision for Subsea Source Control. Furthermore, the traditional Incident Command System (ICS) for offshore well control events consisted of an Operations group which was dedicated for Oil Spill Response operations with Relief Well operations being conducted outside of the response and managed by drilling groups.

Moving forward Operators should consider a dedicated Operations group/branch for Source Control Response (inclusive of relief well operations) within the ICS structure and/or Emergency Response Plan (ERP) strategy.

Most operators manage Source Control as a Branch under Operations Section Some operators manage Source Control as a separate Section with Ops, Planning, Logistics and Finance 2010 Gulf of Mexico incident managed Source Control as a separate Command Post with own IC/UC As with other ICS Sections, only use Groups as needed for the specific incident.

Recommend creating a separate plan to augment existing Oil Spill Response Plans (OSRPs) which specifically addresses Source Control.

The purpose of the Source Control Emergency Response Plan (SCERP) is to provide the Company with a defined Strategic and Tactical response plan resulting in a "road map" to deal with subsea well control events.

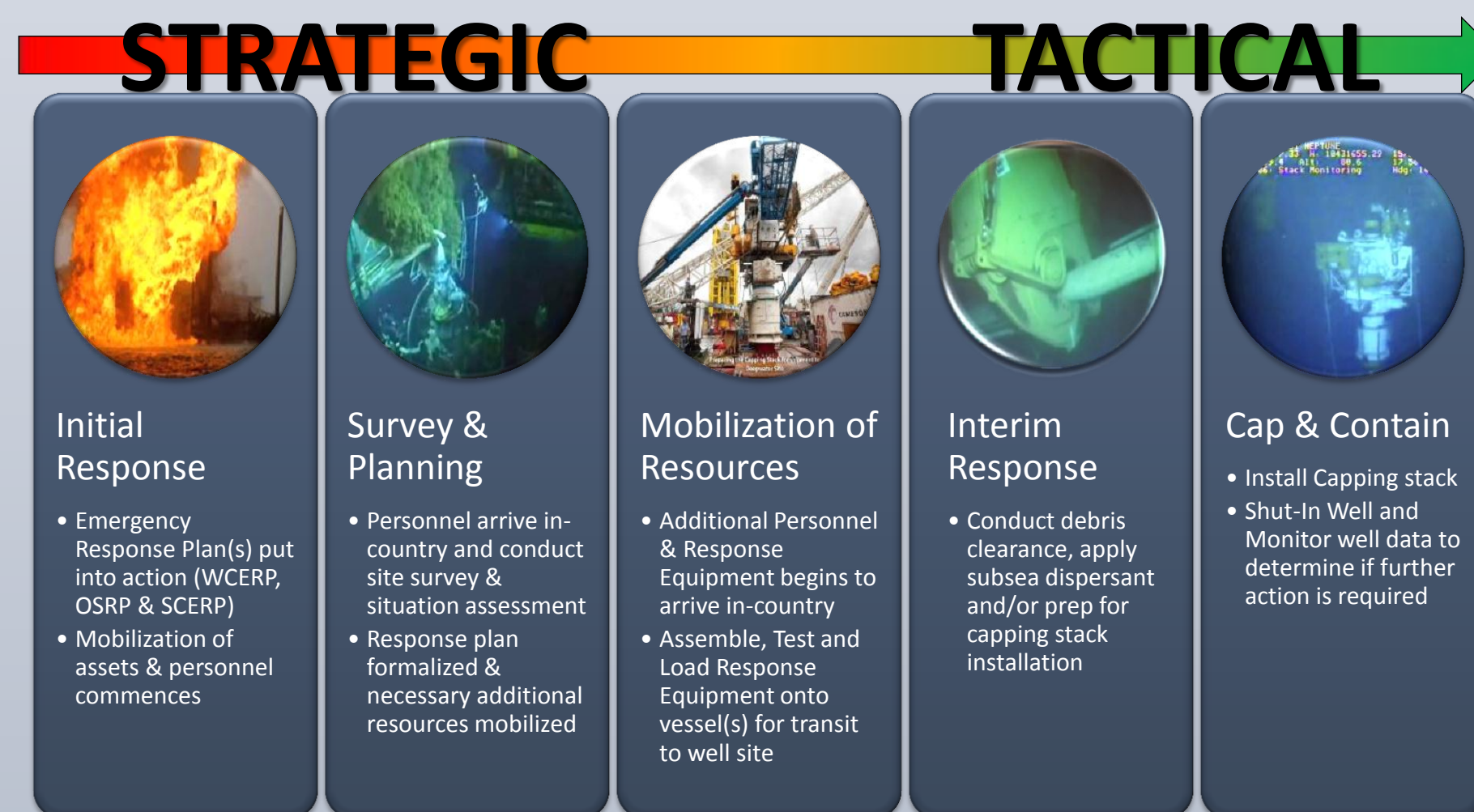
SCERP should include Organizational structure, Guidance documents and Checklists to expedite the transition of an Emergency Response from Reactive to Proactive as well as procedures and technical information to aid in the Tactical response operations. (See Summary of Contents to the right)

**Strategic Response (Long Term)**

A strategic response provide a response team with a long-term and high-level direction to make decisions for allocating resources to support the organizations priorities and objectives.

**Tactical Response (Short Term)**

A tactical response is based upon the short-term strategic priorities and objectives set by the leadership team to th field operations who executive the tactical plans.



**SCERP Summary of Contents**

- Section 1.0 Introduction** describes the SCERP's purpose and objectives.
- Section 2.0 Contacts:** This section will contain contacts that will aid the user in a source control event/incident.
- Section 3.0 Equipment Provider Contractor Mobilization Forms**
- Section 4.0 Source Control Emergency Response Plan Structure:** This section will describe the SCERP integrated and systematic approach to source control Incident Management. This system provides the policies and procedures that are designed to provide guidance to operator in the event of a source control emergency.
- Section 5.0 Equipment Provider Capability & Equipment Summary:** This section will provide a basic overview and summary of the Equipment Provider equipment located in Aberdeen, Scotland. This equipment kit is stored and maintained ready for immediate global deployment at the member's request.
- Section 6.0 Capping Stack/Wellhead Interface Information:** This section contains information that details how the Equipment Provider's Capping Stack will interface with Operator's wellhead for installation of the Capping Stack in the event of a Source Control incident.
- Section 7.0 Source Control Emergency Response Operations:** The Source Control Operational Overview Section contains a broad overview specific to Source Control Operations (Source Control Branch Operations, Simultaneous Operations (SIMOPS), Site Survey, BOP Intervention, Subsea Dispersants, Debris Removal, Capping, Flowback/Surface Containment, Relief Well, Well Kill, Engineering Services, and Decontamination/Demobilization). Each operational overview includes:
  - Overview & Methodology
    - Key Activities
    - Key Resources
  - Organization and Staffing
    - Group Responsibilities
    - Staffing Considerations
  - Generic WWCI Procedures for:
    - Simultaneous Operations (SIMOPS)
    - Site Survey
    - Subsea Dispersants
    - Debris Removal
    - Subsea Hydraulic Power Unit (SHPU) Procedures
    - Capping Installation
      - WWCI Capping Stack Deployment & Installation
      - Soft Shut-In Installation
      - Gooseneck Installation
- Section 8.0 References & Resources:** This section will contain items such as:
  - Existing Plans for Reference
  - Documents for Reference
  - Regulatory Compliance References
  - After Action Review
  - Posters for Situation Status display

**Countries Where These Plans Have Been Developed**

United States	Mexico	New Zealand
Netherlands	Arctic Region	Morocco
Norway	Namibia	Azerbaijan
Malaysia	Mauritania	Angola
United Kingdom	Australia	Romania