

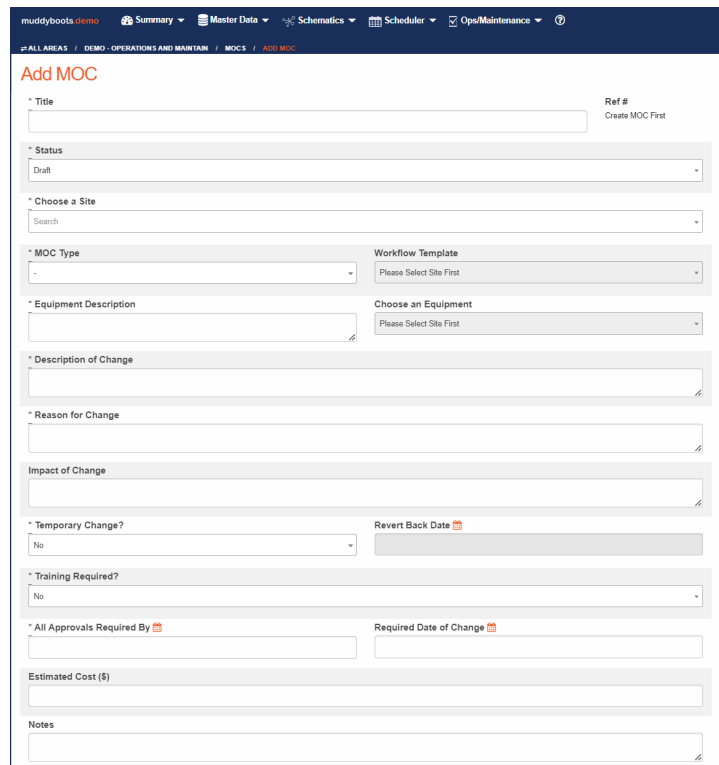
Management of Change

With Muddy Boots, all your MOC data is accessible now and in the future.

Our MOC application provides you with a customizable configuration to align with your current MOC process. Coupled with the Muddy Boots sites and equipment inventory, everything is integrated.

- Standard selections within the MOC include:
 - Identification
 - Priority Assessment
 - configure to weigh risk and value to prioritize MOCs
 - Implementation Assessment
 - Documentation Requirements
 - Training and Competency
 - Authorization and Closure
- Section categories, questions, and answers are configurable to meet your requirements.
- Create multiple attachment categories to manage documentation requirements at different project stages, including functionality to link to external document management systems.
- Generate work orders from the MOC.
- Extensive workflow capabilities allow for multi-step approval processes and varying levels of authorization.

MOC Example



The screenshot displays the 'Add MOC' form in the Muddy Boots application. The form includes the following fields and sections:

- Title:** A text input field with a 'Ref #' label and a 'Create MOC First' link.
- Status:** A dropdown menu currently set to 'Draft'.
- Choose a Site:** A search bar with a dropdown arrow.
- MOC Type:** A dropdown menu.
- Workflow Template:** A dropdown menu with the text 'Please Select Site First'.
- Equipment Description:** A text input field.
- Choose an Equipment:** A dropdown menu with the text 'Please Select Site First'.
- Description of Change:** A large text area.
- Reason for Change:** A text input field.
- Impact of Change:** A text input field.
- Temporary Change?:** A dropdown menu set to 'No'.
- Revert Back Date:** A date input field.
- Training Required?:** A dropdown menu set to 'No'.
- All Approvals Required By:** A text input field.
- Required Date of Change:** A date input field.
- Estimated Cost (\$):** A text input field.
- Notes:** A large text area at the bottom.

- ✓ Customizable dropdowns
- ✓ Customizable data points
- ✓ Customizable questions & answers



Management of Change

MOC Example Continued

MOC Identification

CHOOSE FILES...

Priority Assessment Questions

What is the value of the change?

0

1. Administrative Process Improvement
2. Reduction in Equipment Downtime
3. Production Increase

No Statements Apply

Risk of not implementing

1

Safety concern? Production concern? Operations concern?

Low Risk

Costs?

10

In existing budget? Outside of existing budget? Unknown

Within Standard Ops Budget

Personnel Required

5

Outside help required? Can be done by ops alone?

Outside help required

Total

Moderate Value 16

Implementation Assessment

Regulatory

☐ N/A

☐ Required

☐ Complete

HSE

☐ N/A

☐ Required

☐ Complete

Engineering

☐ N/A

☐ Required

☐ Complete

Documentation Requirements

Mechanical Design Documentation

☐ N/A

☐ Required

☐ Complete and Attached

Electrical Design Documentation

☐ N/A

☐ Required

☐ Complete and Attached

Programming Documentation

☐ N/A

☐ Required

☐ Complete and Attached

Training Documentation

☐ N/A

☐ Required

☐ Complete and Attached

PSSR

☐ N/A

☐ Required

☐ Complete

Training & Competency Requirements

Maintenance Training

☐ N/A

☐ Required

☐ Complete

Operations Training

☐ N/A

☐ Required

☐ Complete

Control Room Operations Training

☐ N/A

☐ Required

☐ Complete

Others Requiring Training

Field Competency Sign-off

☐ N/A

☐ Required

☐ Complete

Authorization and Closure

All Permits Complete and Received

☐ N/A

☐ Outstanding

☐ Received and Attached

All Documentation Complete and Attached

☐ N/A

☐ Outstanding

☐ All Complete and Attached

All Training Completed

☐ N/A

☐ Outstanding

☐ All Complete

Financial Authorization

Technical Authorization

Final Approval to put in Service

CREATE MOC AND NOTIFY

✓ Add attachments

muddyboots.online

Management of Change

Customizable Workflows - Keep the right staff involved and informed with our customizable workflow templates.

muddyboots demo Summary Master Data Schematics Scheduler Ops/Maintenance

DEMO - OPERATIONS AND MAINTAIN / WORKFLOW TEMPLATES / MOC / EDIT MOC

Edit Workflow Template

* Name
MOC

Applies to
☐ Activity Type
☒ MOC
☐ Schematic
☐ Work Order

If Workflow is rejected
Do Nothing

Yes All Fields?

Fields
Search

UPDATE UPDATE & ADD STEP

Steps In Order

MOC Verification to Evaluate and Develop

All approvers must approve in this step

When step is complete: Mark MOC as approved

Name	Title	Action	Group
Mitchell Bot (Carson Oilfield Service)	Superintendent	Approve	

MOC Implementation - Approve Once Complete

All approvers must approve in this step

Name	Title	Action	Group
T.J. Bergeson (Carson Oilfield Service)	Operations Lead	Approve	Field Foreman - Caroline

Approval to Put In Service

Only 1 approval required in this step

When step is complete: Mark MOC as complete

Name	Title	Action	Group
T.J. Bergeson (Carson Oilfield Service)	Operations Lead	Approve	

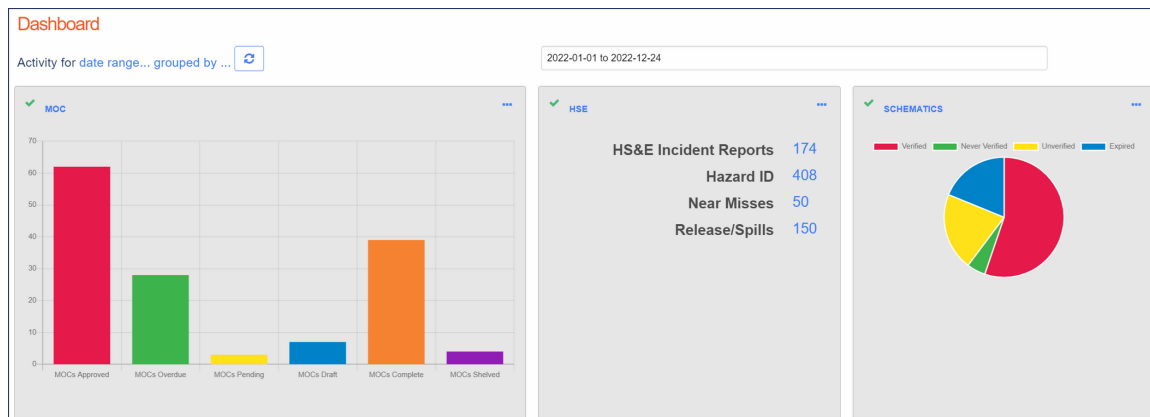
MOC Closure

Only 1 approval required in this step

When step is complete: Mark MOC as closed

Name	Title	Action	Group
Ashley Davison (Carson Oilfield Service)	-	Approve	Company Management
Doug McBain	Operations	Approve	Company Management

Dashboard - Track MOC's by status using our customizable dashboard.



MOC Data is Accessible

- Access Muddy Boots from any device
- Eliminate communication barriers. Make your data visible to your internal teams and service partners.
- Give access to those who need it. No per user licenses, no more frantic searches for MOC data.