ESERVICE ONLINE

– DISPATCH TOOL SCOPE STATEMENT

# VISION

Dispatcher’s one stop working board.

# SUMMARY

## RIG BOARD

Rig Board is dispatcher dash board for day-to-day use. It displays following information for dispatcher to monitor upcoming jobs readiness and ongoing jobs’ progress.

* COMPANY – Client Name
* LSD – Well Location
* RIG – Rig Identifier
* JOB – Job Type
* DATE- Job Date
* BLENDS – BL1, BL2, BL3
* RIG NOTES
* JOB NOTES
* BIN
* CONSULTANTS CONTACTS

1. Use row background colors to highlight the job status and rig status
2. Use different font colors to highlight readiness, alert, progress of job factors.
3. Single click update. Right-click on a cell of RIG BOARD, will trigger the corresponding context menu leads to single update in Call Sheet/Job, which include blends, equipment, crew, etc.
4. Create Call Sheet from Rig Board, carry over known job information and combine with program import.

## OPERATION DASHBOARD

Operation Dash board is a different view of RIG BOARD, which display more upcoming detail list for DSLMs/Team Leads, bulk plant operators, lead supervisor/crew member to reference the tasks in roll.

## CREW MANAGEMENT

EMPLOYEE PROFILE

Manage employee location, capabilities and proficiencies, also necessary information for field operation needs.

EQUIPMENT PROFILE

Manage equipment capabilities location and capabilities, also necessary information for field operation needs.

CREW PROFILE

Assemble a crew with employees, units and equipment to meet the requirement for a job.

EMPLOYEE SCHEDULING

Schedule employee for job, vacation, training, etc. Cross checking with crew schedule. Maintain HOS reset consideration.

EQUIPEMENT SCHEDULING

Schedule equipment for job, maintenance, activation, etc. Cross checking with crew schedule.

CREW SCHEDULING

Schedule crew for a job based on employee and equipment schedules. Pre-booking is available and conflict alerts.

## OPERATION MONITORING

Update job operation status, call out, arrive camp, leave camp for job, on location, off location, back camp, leave camp for home.

Alert dispatcher for contacting crew for safety assurance.

# Implementation Plan

## Phase 1 Replace current Excel Rig Board with Rig Board Application

#### Objective

* Replace current Excel Rig Board without major process change.
* Streamline dispatch process
* Build application foundation for future dispatch/scheduling utilities

#### Task Breakdowns

1. Rig Board UI – Web based interface to mimic current Rig Board.
   1. Display entered call sheets in proper status color coding with Rig Board format. SY05.UC010, SY05.UC040
   2. Display job factors in proper status color coding with Rig Board. SY05.UC037
   3. Update Well Location/Direction from Rig Board. SY05.UC020
   4. Update Job Date Time for call back/confirmation from Rig Board SY05.UC021
   5. Add Employee and Truck Unit to a job individually from Rig Board. SY05.UC029
   6. Create Call Sheet shell from Rig Board.SY05.UC018
   7. Update Special Instructions and Saftey Hazard from Rig Board.SY05.UC022
2. Validation for making call sheet readyAdd new eService functions to work with Rig Board UI.
   1. Add/Remove COD clear flag in Company Information SY01.UC027
   2. Update Rig information to link up with Rig Database SY01.UC028
   3. Add flag a haul needed. SY01.UC030
   4. Add bin requirements SY01.UC029
3. Update Rig Management by extending OPS Tracker Model
   1. Extend Rig Database, create CRUD functionality UI SY05.UC013, SY05.UC014, SY05.UC015, SY05.UC016,
   2. Create Rig Job Database to accommodate the data not in Call Sheet today, backend only, no UI for updating. All update functions are through eService Call Sheet or future Rig Board function. SY05.UC017
   3. Create Rig Activity BI from Call Sheet to replace rig tracker summary (not in development scope, Sanjel task)
4. Create client consultant database, and hook up with call sheet data entrySY05.UC019, SY05.UC024, SY05.UC025, SY05.UC026,
6. Implement basic blend tracking functionality to hook up bulk plant calculator and product haul process. Monitor blend readiness. Add product haul unit personnel to call sheet through Rig Board. SY05.UC030, SY05.UC039
7. Implement BIN’s requirement and update the status of bin attach to rig SY05.UC035, SY05.UC036
8. Implement Job Alert, to fillout the process before call sheet.

later phase

#### Data Preparation

**Company**

1. Add Short Name property

**Job Type**

1. Enable Name property
2. Add Name column in database to store short name
3. Clean up Data to add proper Name.

**Rig**

1. Add new rig table
2. Load rig data from dispatcher managed list
3. Rig short name save in Database directly, not using drilling company short name plus rig number.
4. Add new rig from rig board

**Rig Job**

1. Add new Rig Job table

**Client Representative**

1. Add new Client Representative table
2. Load Client Representative table from dispatcher managed lit

**Job Alert**

1. Add Job Alert table

## Phase 2 Operation Dashboard & Rig Board Evolution

#### Objective

Implement Operation Dashboard to provide visibility of people, units and other resources to Field Operation Crew and Management. Add more interactive features to Rig Board.

1. Upcoming job schedule
2. Unit Utilization Status Board
3. Product Haul reminder
4. Special instruction reminders
5. Create Call Sheet from Rig Board
6. Load Program to Call Sheet from Rig Board

## Phase 3 Scheduling Tools

#### Objective

Implement scheduling tools to assist people, units, tools and other logistics task scheduling and progress tracking. This will provide Field Management and Dispatcher a better collaboration tool for better visibility and efficiency improvement.

1. Implement Employee Scheduler
2. Implement Unit Scheduling
3. Implement Blend Scheduling
4. Implement Tools Scheduling
5. Implement Road Ban, Permit and other important special instruction, to monitor the readiness of job.

## Phase 4 Other

There are other requirements not being satisfied by previous phases. Such as:

1. Crew trip tracking
2. Blend Laydown tracking
3. Tools maintenance tracking