<SSP for E-Line Power Pack >

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This project proposal is prepared for the CHS Development Plan (CHS Improvement Project

Abstract

E-line logging is a method of data collection used to evaluate the properties of subsurface formations in oil and gas wells. Surface equipment is one of the important components for performing E-line logging operation. E-line operations surface equipment consist of cable winch, air compressor, power pack, logging cabin and telescopic mast.

For the surface equipment, especially for power pack, it is a diesel engine driven power generator. It provides air supply, hydraulic and electrical power to logging cabin, winch cable, and telescopic mast. It is design to comply to zone 2 certification and equipped with an emergency shut down system. All parameter, such as air pressure and hydraulic pressure can be monitored directly from the control panel outside the power pack.

By having a comprehensive manual handling regarding the equipment, such as clear operating instructions and detailed maintenance procedures, several advantages are realized. Firstly, operators can safely and efficiently operate the equipment, minimizing the risk of accidents or errors. Secondly, proper maintenance instructions ensure the longevity and optimal performance of the equipment, reducing downtime and maintenance costs. Additionally, a well-documented manual enhances training for new operators, ensuring consistent and proficient use of the equipment across the workforce. Overall, a good manual handling regarding the equipment enhances safety, efficiency, reliability, and training good in operational environments.

Introduction

The idea of doing this come out from suggestion of our maintenance manager. Right now, the only manual regarding the equipment only relies from the manual that provided by the manufacturer which is Elmar NOV. The manual that provided is too complicated and not user friendly. Therefore, the idea for this project is to simplify the manual to focus solely on the power pack. This project will concentrate on the power pack and cover all the operating instructions regarding the equipment.

The SSP will be highly beneficial for newcomers, as it provides clear guidelines and standardized procedures for operating the equipment. This will streamline their learning process, enhance their understanding of the equipment's functions, and ensure they can perform their tasks safely and efficiently. Additionally, having access to well-defined procedures will instill confidence in newcomers and help them integrate seamlessly into the team.

Also, The SSP is equally valuable for experienced crew members and engineer. It serves as a reference tool to refresh their knowledge, ensure consistency in their practices, and provide guidance on any updates or changes in procedures. Additionally, it acts as a resource for troubleshooting uncommon situations or addressing challenges that may arise during operations. By having access to standardized procedures, experienced personnel can maintain high levels of proficiency, adhere to best practices, and contribute to a culture of continuous improvement within the team.

Problem Definition

Currently, we have the Standard Specific Procedure (SSP) in place. However, upon observation, there is no standard specific procedure established for Power Pack. Furthermore, the absence of this procedure may impede effective training for new personnel, who may find it challenging to rely on the existing manual due to its complexity and no user friendly.

Benefit to Dimension Bid and to Client

For the company, it would benefit as below:

1. Produce proficient and competent personnel - reducing the time required for newcomer training. There is diminished reliance on senior members at the base to provide instruction, as newcomers can readily learn from the SSP.
2. Improve service quality - With these efforts, we can achieve our target of reducing service quality issues and identifying problems more quickly during troubleshooting in operations.

As for the client, it would benefit in terms of:

1. Ensuring capable personnel manage operations is a primary concern for most clients, who prioritize having experienced individuals oversee the operation. However, logistical constraints, such as limited crew numbers and concurrent job demands, often make meeting this expectation challenging.

Project Objectives

Main objectives of the project are:

1. To creates an SSP that facilitates easy learning for newcomers regarding surface equipment and serves as knowledge refresher for experienced member.

2. Highly competent engineer and crew member with a profound understanding of the equipment, capable of effectively troubleshooting issues and optimizing operational efficiency.

Project Deliverables

The project will focus on creating a SSP that is easy to use, ensuring accessibility for all personnel and facilitating efficient training for newcomers.

The Standard Service Procedure (SSP) is a equipment that benefits not only newcomers but also experienced engineers and crew members. Solely relying on the manufacturer's manual is not advisable, as it often proves to be too complex and not user friendly. Consequently, engineers and crew members frequently rely on their own experiences to gain knowledge. The SSP aims to address this issue by providing comprehensive and user-friendly operating instructions for the equipment. By developing an SSP that covers all aspects of equipment operation, we can ensure consistency, efficiency, and safety in our operations.

Project Time Line

This project expected to be completed in 3 months. Allocation time a month for the draft, a month for the amendment and a month for review and approval.

Project Resources

This project involved a person who have experience and knowledge on using the Power Pack. After done with the draft, it will be reviewed by Seniors and subject matter expert in E-line. After amendment has been done, then only it will be sent for approval to management.

Sources collected are from the current CHS learning material, manufacturer's manual and other resources. No third party involved in this project.

Project Cost

No cost is incurred in this project by Dimension Bid

Project Risks

Expected risk would be:

1. The quality of the SSP – Need to have another panel to review and approve before publish it
2. Non-updated SSP – Revision needs to be done regularly to ensure we keep up with changes either from manufactures or our side.

Conclusion

By the implementation of this, our ultimate goal is to make sure that we could produce high quality and competent engineer thus reducing service quality issue especially on human error factor.

If this project proves successful, the next suggested endeavor is to develop another SSP aimed at covering all surface equipment for E-line operations. However, our current focus remains on ensuring the success of this project to serve as a strong example for future initiatives.

Notes:
This proposal should be kept to a maximum of 6 pages.
Any supporting documentation should be attached in the

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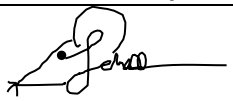
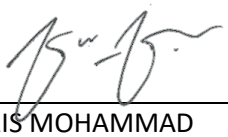
Sign:				
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Appendix: