

Punsa Maktungka 2006: Risk Assessment of Hotline Task for High Voltage Syetem.  
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This thesis is aimed to assess the risk of PEA's hotline operators by using two methods of the risk assessment: the Occupation Health and Safety Management System (TIS 18001) and the critical work assessment of the Modern Safety Management (MSM system). The risks of the main activities of Hotline staffs were analyzed in order to find out preventive measures for PEA Hotline staff's operation.

The results indicated that the operations with moderate to unacceptable level of risk are the electric shock, the lightning and the car accident. It is also found that the results from these two methods are significantly different. The risk level of the critical work assessment of the MSM system is higher than the risk level of the risk assessment of the TIS 18001. Consequently, the significant factors influencing the result are supervisors performing risk assessment, working environment, and classification of the levels of severity, frequency, and probability of each different method.

Both methods yield the same trend of risk results and can be applied to obtain the preventive measures. Furthermore, the TIS 18001 System is more suitable for PEA than the MSM because of lower budget requirement and more suitability to the Thai working style.



Student's signature



Thesis Advisor's signature

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