Abstract

Singapore Construction Industry is facing crisis as in year 2000 as Ministry of Manpower has revealed that 1411 accidents had occurred in the Construction Industry with highest fatalities and accident severity rate. This is the time when Code of Practice 79: 1999 Safety Management System for construction sites is officially launched in March 2000, representing a standard of good practice for the purpose of ensuring safety and health of all workers with the main contractor acting as the enforcers of the regulation ensuring all involved in construction projects comply with the regulations.

The objective of this research is to identify the barriers to effective implementation of a Safety Management System and a New Theoretical Model of Integrated Safety Management (ISM) in Life Cycle Stages of Planning and Design, Tender and Selection and Construction is formed. ISM involved the Client, Designer and Contractor's participation in the 3 stages.

The methodology is a Prime Case Study to prove the hypothesis that Client's commitment to Integrated Safety Management into the Life Cycle Stages will result effective implementation of Safety Management System.

The Case Study has shown that the Client is committed in taking up the Safety Responsibility but the Designer and Contractor must be co operative and committed to take up the necessary Safety Responsibilities in the Life Cycle Stages in order for the Integrated Safety Management to be effectively implemented.

Keywords: Integrated Safety Management, Commitment, Life Cycle Stages