

2-DAY PRACTICAL COURSE ON

Developing a Lifting Plan for Crane Lifting Operations

INTRODUCTION

Lifting plan is a set of plans which is created for use in any crane lifting operations and it consists of all the important information that must be considered in a lifting operation thus ensuring that the lifting operation is carried out safely. It aims to facilitate consensus amongst all relevant stakeholders including the lifting crew for a safe outcome. Under the WSH legal requirements, all lifting operations shall be accompanied by a lifting plan.

This BCA Academy's practical course will enable construction site personnel to prepare a proper lifting plan for crane lifting operations and implement the lifting plan in a crane lifting activity.

OBJECTIVE

At the end of the training, participants would be able to prepare a lifting plan with good understanding of legal requirements, load charts, crane safety and lifting requirements, and be able to apply the lifting plan at a simulated crane location.

CONTENT

1. REGULATIONS AND CODE OF PRACTICE REQUIREMENTS FOR LIFTING OPERATIONS;

WSH regulations and Code of Practices requirements relevant to lifting operations will be discussed.

2. INTERPRETATION OF LOAD CHARTS FOR CRANES

Load charts of commonly used cranes will be presented and interpretation of the load charts for the safety of lifting will be taught.

3. KEY INSPECTION ITEMS FOR CRANES

Daily inspection checks required before commencing a crane lifting activity will be performed in the BCA Academy crane yard.

4. ELEMENTS OF A GOOD LIFTING PLAN

Critical elements of a good lifting plan and guidelines of creating lifting plans for lifting operations in construction sites will be explained.

5. SAFETY OF CRANE AND LIFTING ACTIVITIES WITH ACCIDENT CASE STUDIES

With the use of recent real life case studies, safety aspects of cranes' operation and lifting activities will be emphasized.

6. LEARNING ACTIVITY: PREPARE A LIFTING PLAN

For a given lifting operation, the participants will prepare a lifting plan and discuss its implementation.

7. LEARNING ACTIVITY: IMPLEMENT THE LIFTING PLAN AT CRANE YARD

Participants will apply the lifting plan in the BCA Academy's crane yard using a crawler crane for a simulated lifting operation.

ASSUMED KNOWLEDGE AND SKILLS

Participants who apply for this course are assumed to have:

- basic reading and writing skills in English
- prior work experience at construction sites

ASSESSMENT

Participants need to submit a lifting plan for a given lifting operation.

CERTIFICATION

Upon attaining 75% class attendance and obtaining a pass in the assessment, participants will be issued a Certificate of Successful Completion.



DETAILS

Frequency: Quarterly

Time: 9.00am to 5.30pm

Venue: BCA Braddell Campus

Fee (Incl GST): S\$530.00

CPD POINTS

PEB: -

WSH-CPD (WSH Officers): -

TARGET AUDIENCE

This course will benefit all stakeholders of the construction industry who are involved in lifting operations. Specific target audience are:

- WSH personnel (WSH Office, Coordinators & Supervisors)
- Lifting supervisors & other lifting crew team members
- Site Supervisors, Engineers, Project/Construction Managers who wish to learn about Lifting Plans and Crane Safety.



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/login> or scan QR code and search for course code 44083