Building and Construction Authority

FORMWORK SAFETY COURSE FOR SUPERVISORS

Partial or total collapse of temporary structures such as formwork and falsework is often the cause of such accidents. Some of these accidents had resulted in loss of lives and injuries to many workers. Furthermore, clearing the resulting wreckage was very time-consuming and expensive. It is therefore important for site personnel to acquire the knowledge on the safety requirements of such temporary structures. One of the main causes of the accidents is due to inadequacy of supervision. Such accidents could be prevented if the supervisors had been equipped with knowledge on the proper inspection of the formwork and falsework before, during and after concreting. BCA Academy conducts the Formwork Safety Course For Supervisors to impart fundamental concepts with emphasis on formwork and falsework safety to participants.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
29 Jul 2016 to 30 Dec 2016
2359 to 2359
Regularly subject to minimum class size enrolled.
(Confirmation of training place is based on a first come, first served basis)

Lessons: 32 hours
Assessments: 4 hours

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

Building and Construction Authority

EXPLOSIVE POWERED TOOLS OPERATION

Explosive powered tools are commonly used in construction and renovation work to drive fasteners such as studs & pins into work surfaces such as walls & floors. The Ministry Of Manpower (MOM) requires all explosive powered tools operators to be trained. They must successfully complete an appropriate explosive powered tools operator training programme. This explosive powered tools operator course is designed to prepare explosive powered tools operators to meet the MOM's requirement. Construction and renovation workers should attend this course.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
29 Jul 2016 to 30 Dec 2016
2359 to 2359
Intake to be confirmed
(Application form with course fee shall be submitted for placement. Registration is on first-come-first-served basis)

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558
Day Class: 8.30am - 5.30pm
Evening Class: 6.30pm - 9.30pm
(Frequency: 1 day or 2 evenings)

BUILDING CONSTRUCTION SUPERVISORS SAFETY COURSE (BCSS)

The BCSS is a mandatory training course for individuals who are assigned to undertake the role of a supervisor in the construction industry. Workplace Safety and Health(Construction) Regulations 2007 Reg. 9 (2b) stipulates that no person shall be employed to oversee or supervise any work or process carried out in a worksite unless the person has received adequate safety and health training for the purpose of ensuring that such work or process can be carried out safely. This course would be appropriate for individuals who are construction site supervisors & foreman, RTOs and site engineers.

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
29 Jul 2016 to 30 Dec 2016
2359 to 2359
Schedule to be confirmed.
Frequency: 2 evenings per week (6.30pm to 9.30pm) or 4 days (8.30am to 5.30pm)

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

CONSTRUCTION SAFETY ORIENTATION COURSE (CSOC)

The Construction Safety Orientation Course for Workers (CSOC) is a mandatory WSH training course for all workers working in the construction industry. Construction workers are required to attend and pass the CSOC before they start work at the worksite. (Available in English, Mandarin, Tamil & Bengali.)

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
29 Jul 2016 to 30 Dec 2016
2359 to 2359
Course Dates: Regularly subject to minimum class size enrolled
Duration/Time: 17 hours (2 days) / 8.30am to 5.30pm

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

Seminar on Singapore Standards for Air Conditioning, Mechanical Ventilation and indoor Air Quality

The seminar will provide an update on the newly revised SS 553 and SS554 which affect energy consumption and indoor environment quality in most buildings. SS 553 provides guidance in the design, construction, installation, testing, commissioning, operation and maintenance of air-conditioning and mechanical ventilation systems in all commercial, office and institutional buildings (except hospitals). The Code establishes the minimum requirements to achieve an acceptable indoor thermal environment in an energy efficient manner. SS 554 specifies minimum indoor air quality that is acceptable to building occupants and minimises the potential of adverse health effects. Environmental factors such as thermal, physical, chemical and biological conditions are covered in the standard. The energy efficiency and energy recovery requirements in SS 553 were aligned to relevant national and international standards. Indoor air quality limits in SS 554 were aligned to international standards. The revised standard recommends the use of higher quality filters for better public health protection. The Building and Construction Authority adopts SS 553 and SS 554 as part of the Green Mark assessment criteria. These two standards will help reduce energy consumption in the building sector. In conjunction with the seminar, there will be a mini exhibition showcasing products and services related to these two standards.

Venue
Suntec Singapore

Date and Time
11 Aug 2016 to 11 Aug 2016
1330 to 1730
1.30pm to 5.30pm
11 August 2016

Contact Details
Contact Person: Leon Leong
Email: leon@iesnet.org.sg
Phone: 64611232
Fax: 64671108

Design for Safety Appreciation Course

The Design Phase is the earliest opportunity to incorporate Safety into a construction project. Just as
productivity can be enhanced with early planning, so is the greatest impact for safety. Designing for safety starts at the conceptual and planning phases of a project with collective and conscious decisions by stakeholders about the design, methods of construction and later demolition, and also the materials used which enhance the safety of the building or structure. In 2008, WSH Council launched the Guidelines on Design for Safety in Buildings and Structures, followed by the DfS Coordinator Course in 2010. In addition to building DfS capabilities of stakeholders, WSH Council has developed the DfS Recognition Scheme which was launched in 2011. Consisting of the DfS Mark and DfS Award, the Scheme aims to recognise competent and outstanding projects that have addressed risk through design and hence ensure safe & timely completion of the project.

Venue
IES Academy@Jurong East, Devan Nair Institute For Employment and Employability, 80 Jurong East Street 21, #04-10 Singapore 609607 (Near Jurong East MRT)

Date and Time
12 Aug 2016 to 12 Aug 2016
0900 to1800
9am- 6pm
12 Aug 2016

Contact Details
Contact Person: Christine Lau
Email: christine.lau@iesnet.org.sg
Phone: 6461 1248
Fax: 6563 6030

ADVANCED CERTIFICATE IN WORKPLACE SAFETY AND HEALTH

Building and Construction Authority

Venue
BCA Academy, 200 Braddell Road, Singapore 579700

Date and Time
16 Aug 2016 to 28 Feb 2017
1830 to2130
Starting in August 2016
(Description: 6-7 months)
Frequency: 3 week day evenings

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

Prefabricating the Future - A Local CLT and Glulam Experience

Building and Construction Authority

Venue
NTU Sports Hall

Date and Time
17 Aug 2016 to 17 Aug 2016
0830 to1230

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

DEVELOP A WORKPLACE SAFETY AND HEALTH MANAGEMENT SYSTEM IMPLEMENTATION PLAN (BIZSAFE LEVEL-4)

Building and Construction Authority

Venue
NTU Sports Hall

Date and Time
17 Aug 2016 to 17 Aug 2016
0830 to1230

Contact Details
Contact Person: Customer Service Officer
Email: bca_academy@bca.gov.sg
Phone: 6248 9999
Fax: 6258 0558

bizSAFE is a five-level programme devised by the WSH Council (WSHC) to assist companies build up their WSH capabilities in order to achieve quantum improvements in safety and health standards at their workplaces. Companies are guided through a journey, starting from top management demonstrating their commitment towards WSH, to acquiring risk management capabilities and implementing a WSH Management System. In the process, participating Companies gain recognition and benefits of having a comprehensive WSH system in place. In the bizSAFE learning journey, this Level 4 course is meant for individuals who are appointed as WSH Management System Programme Lead and responsible for implementing WSH Management System in accordance with the requirements of Singapore Standard on Occupational Safety and Health Management System SS 506. This course has been accredited by the WDA.
### Variation Order and Extension of Time Pertaining to A Construction Contract

Handling of variations to terms and conditions and giving consideration to the granting of Extension of Time pertaining to a construction contract are two very important aspects of contract administration. It is unfortunate that the proper ways to do so are not known or intentionally ignored by many contract administration to be aware of the proper ways to do so.

### DEVELOP A RISK MANAGEMENT IMPLEMENTATION PLAN (BIZSAFE LEVEL-2)

Workplace Safety and Health (Risk Management) Regulations require stakeholders such as employers, self-employed persons and principals to have the responsibility of identifying safety and health hazards at the workplace and taking appropriate actions to eliminate the hazards or mitigate the risks associated with the hazards. Risk assessment and management is the key to reduce the risks at source. Participant who attends this course will have an in-depth understanding and knowledge on the concepts and methodologies of risk assessment and management. This course will also provide hands-on experience in the risk assessment for construction activities and development of risk management implementation plan.

### WORKSHOP FOR COMPANY CEO/TOP MANAGEMENT (BIZSAFE LEVEL-1)

bizSAFE is a programme which is administered by the Workplace Safety and Health Council (WSHC) tailored to assist the companies to build up their workplace safety and health capabilities. The programme provides a 5-level approach to help companies build up their capabilities progressively. Companies participating in this programme will gain recognition and benefit from having a comprehensive WSH system in place. To start the bizSAFE journey, an enterprises top management has to sign up for this bizSAFE Level 1.

### CRANE INSPECTION - TOWER CRANE - 1ST RUN

The use of lifting equipment such as tower cranes to lift heavy objects such as large pre-fabricated components is a common activity at construction sites in Singapore. The proper inspection of the tower crane will ensure proper and safe functioning of the tower cranes and that lifting operation can be completed safely. This course is intended to provide practical guidance and recommendations for the inspection of tower cranes used in Singapore. During the 1.5 days course topics discussed includes the responsibility of Tower Crane Inspection Personnel, Main Components, Safety Devices and operation system of Tower Crane; Observation of Safety Operation during usage on site, discussion of manufacturer's recommended checklist. This course is recommended for authorised examiners, engineers, crane inspectors and professionals who are involved in the safe use of tower cranes.
Certificate in Workplace Safety and Health (Level A) is the first level of the four following qualifications under the WSQ WSH Professionals framework:1) Level A - Certificate in Workplace Safety and Health2) Level B - Advanced Certificate in Workplace Safety and Health3) Level C - Specialist Diploma in Workplace Safety and Health4) Level D - Graduate Certificate in Workplace Safety and HealthThis Certificate is entry level course to the WSH profession.

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>19 Sep 2016 to 31 Mar 2017 1830 to2130 Starting in September 2016; 5 to 6 months; 2 to 3 evenings during weekdays 6.30pm - 9.30pm</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
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Certificate in Workplace Safety and Health (Level A) is the first level of the four following qualifications under the WSQ WSH Professionals framework:1) Level A - Certificate in Workplace Safety and Health2) Level B - Advanced Certificate in Workplace Safety and Health3) Level C - Specialist Diploma in Workplace Safety and Health4) Level D - Graduate Certificate in Workplace Safety and HealthThis Certificate is entry level course to the WSH profession.

Under the legal framework of Workplace Safety and Health (WSH), a WSH Officer is required to be appointed for a construction project with a contract sum of $10 million or more. The Specialist Diploma in Workplace Safety and Health (SDipWSH) is one of the qualifications recognised for the registration of a WSH Officer by the Ministry of Manpower. This course will also prepare the participants to take up employment as other WSH professionals such as WSH Managers, WSH Advisors, WSH Specialists, etc. The course contents have been developed to suit personnel who wish to work in the construction industry.

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>21 Sep 2016 to 20 Jul 2017 1830 to2130 Starting on 21 Sep 2016 Duration: 10 months (Frequency: 3 weekend evenings)</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
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Singapore has embarked on the journey towards becoming the world's first Smart Nation, seeking to support better living and stronger communities, and create more opportunities. To co-create this future of Singapore, the built environment sector could play a crucial role in turning Singapore into a Smart City. Similar to Singapore, Denmark has an ambitious goal for the country: to be the first carbon-neutral country in the world by 2050. Smart City projects have been carried out in many Danish towns and cities, and Denmark has been identified to have the opportunity to become a world leader in smart cities. In the European Smart Cities ranking, three Danish cities, namely Aarhus, Aalborg and Odense, are ranked within the top 10 smartest cities. To leapfrog Singapore's smart city development, the DTU-BCA Executive Development Programme 2016 on Smart and Sustainable Cities will allow the delegates to be immersed in the Danish cities and the smart solutions implemented in the living labs, so as to have a deeper understanding on the various aspects of a Smart City, such as smart energy, smart building and smart technology. The 5-day programme comprises lectures conducted by the Academia from the Technical University of Denmark (DTU), as well as visits to remarkable sites such as the UN City Complex, Energinet, Danish Industry and Carlsberg Byen in Copenhagen and Fyn.

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<tr>
<td>Copenhagen &amp; Fyn, Denmark</td>
<td>26 Sep 2016 to 30 Sep 2016 0830 to1800</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
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Safety is influenced by a number of factors such as workplace environment, management's commitment to safety, attitude or behaviour of working personnel towards safety, etc. Workers positive behaviour towards
safety is considered one of the key factors in preventing accidents at workplaces. A successful introduction of behavioural safety process, focusing on identifying and reducing unsafe behaviour and reinforcing safe behaviour is one means of improving safety at workplaces. Behavioural Safety is a methodology used to improve safety culture through change of behaviour of working personnel in an organisation. This methodology has been applied successfully in other industries like petrochemical and manufacturing and is gaining popularity in the construction industry.

**Venue**

**Date and Time**

**Contact Details**

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>26 Sep 2016 to 27 Sep 2016 0900 to 1730</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
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**Building and Construction Authority**

**GRADUATE CERTIFICATE IN WORKPLACE SAFETY AND HEALTH**

Graduate Certificate in Workplace Safety and Health (Level D) is the highest level of the four following qualifications under the WSQ WSH Professionals framework: 1) Level A - Certificate in Workplace Safety and Health 2) Level B - Advanced Certificate in Workplace Safety and Health 3) Level C - Specialist Diploma in Workplace Safety and Health 4) Level D - Graduate Certificate in Workplace Safety and Health Persons at this level are at a professional and/or managerial level of practice, and are on the way to becoming WSH Auditors.

**Venue**

**Date and Time**

**Contact Details**

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<tr>
<td>BCA Academy, 200 Braddell Road, Singapore 579700</td>
<td>3 Oct 2016 to 3 Apr 2017 1830 to 2130</td>
<td>Contact Person: Customer Service Officer Email: <a href="mailto:bca_academy@bca.gov.sg">bca_academy@bca.gov.sg</a> Phone: 6248 9999 Fax: 6258 0558</td>
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Starting on October 2016 Duration: 6 months (Frequency: 2 to 3 evenings on weekdays)