

Construction Industry Council
Committee on Construction Safety

Meeting No. 002/18 of the Committee on Construction Safety (Com-CSY) was held on Thursday, 5 July 2018 at 2:30 pm at the Board Room, 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon.

Summary Notes of the Com-CSY Meeting No. 002/18:

Agenda Item	Paper	Major Resolutions/ Progress Highlights
2.1	CIC/CSY/M/001/18 (for discussion)	Confirmation of the Minutes of the previous Meeting Members confirmed the Minutes of the previous meeting held on 1 June 2018.
2.2	CIC/CSY/M/001/18	Matters Arising from the Previous Meeting There were no matters arising from the previous meeting.
2.3	Presentation	Progress Report of the Safety Experience Training Centre (SETC) Representatives from the CIC and the Consultant gave a presentation on the progress of the SETC. There would be eight training zones in SETC, including Personal Protective Equipment, Machinery & Trapping Hazard, Fire Safety, Good Housekeeping, Chemical & Electrical Safety, Working at Height, Lifting & Rigging Plant and Virtual Reality (VR) Cave. Simulation equipment, renovation works, Augmented Reality (AR) & Interactive Games Application and Briefing Area were on schedule. During construction stage, Silver Card Training Course was temporary moved to the 2/F at Kwai Chung Campus. After the presentation, a Member appreciated the use of “A ladder” as a bad example for simulation at the “Working at Height” zone. The Com-CSY Chairperson said that the Subcommittee on Safety

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		<p>Training would liaise with the Centre for Professional Development of the Hong Kong Institute of Construction to discuss the direction of the SETC and collaboration with industry stakeholders.</p>
2.4	Presentation	<p>Research Study – Health Profiling of Construction Workers in Hong Kong A researcher from the Hong Kong Polytechnic University gave a PowerPoint presentation on the progress of this research study (Phase 2). According to the data analysis for the participated workers, more than 50% of them had a tendency of overweight (66%), problematic or inadequate health literacy (54%), pre-hypertension or hypertension (82%), and nearly half of these workers had a borderline high or high cholesterol level (43%). Besides, nearly 50% of the participated workers did not do any exercise before or after work (47%).</p> <p>After deliberation, CIC’s Executive Director (ED) suggested the Development Bureau (DEVB) to consider include exercise before work (especially Qigong “Ba Duan Jin”) in the requirement of public works contract while private companies should encourage their workers to do exercise before work. To overcome the difficulties of data collection from designated trades, the researcher should assist to draft a letter providing the objectives of this research to the Hong Kong Construction Association so as to encourage more main contractors to take part in this study in the construction sites.</p>
2.5	CIC/CSY/P/005/18 (for endorsement)	<p>Application for CIC Research Fund - Innovative Fall Protection System for Work at Height Safety in High-rise Building: Transportable Horizontal Anchor-Integrated Fall Arresting System (THA-IFAS) Researchers from the City University of Hong Kong gave a presentation on the research project “THA-IFAS”. THA-IFAS was a system that comprised of a tailor-made horizontal wiring system that allowed to work continuously in horizontal pattern. It also comprised of a body harness and a retractable fall arrester. This system was expected to provide full protection to the workers required to work at height in different construction activities, such as at the wall face, rooftop and metal scaffolding.</p> <p>After the presentation, some Members were concerned about the technical feasibility of this system and</p>

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		<p>if it was applicable to the new building construction instead of existing building envelopes. Another Member reminded that the fall arrest system must meet the requirement of BS Standard. After deliberation, Com-CSY Members agreed not to approve the proposed research project at this moment. However, if Members have any additional comments on this research project, they could provide them to the CIC Secretariat after the meeting. The CIC Secretariat would request the researchers to fine-tune the proposal and re-submit to Com-CSY for further consideration.</p>
2.6	CIC/CSY/P/005/18 (for endorsement)	<p>Application for CIC Research Fund - Optimal Use of Internet of Things Technology to Prevent Failure of Temporary Support System in Construction</p> <p>Researchers from the Chu Hai College gave a presentation on this research project. The objective was to develop a system adopting Internet of Things (IoT) technology in monitoring the performance of temporary support structures. Site tests were carried out in the construction sites under the purview of the Hong Kong Housing Authority. Real-time updates of sensor measurements and regularly generated reports would be delivered throughout the monitoring period. At the end of the project, it was expected a generally applicable method statement could be established and used by the construction industry to carry out proper monitoring of temporary support structures to greatly reduce the risk of failure.</p> <p>After the presentation, most of the Members supported the research project as IoT was a trend in Europe even it was a challenge to calculate the crucial points of props for placing the sensors. After deliberation, Members agreed to clarify if the cost of adoption is for trial or practical use before making final decision on the research project.</p>
2.7	CIC/CSY/P/006/18 (for information)	<p>Progress of Three Subcommittees under Com-CSY</p> <p>The Com-CSY and the three Subcommittees Chairpersons, Director-Industry Development and Senior Manager-Construction Safety of the CIC, attended breakfast meeting on 30 June 2018 to have initial discussion for the direction and work plan of each Subcommittee. Each Subcommittee would arrange its first meeting in July 2018.</p>

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		<p>Chairperson of each Subcommittee expressed their views as follows:</p> <ul style="list-style-type: none"> ● Subcommittee on Safety Promotion: It would be focus on the prevention of serious and fatal accidents. Organisation of Construction Safety Week with the DEVB for enhancing safety promotion to industry stakeholders yearly and enhancement of the mobile app “Construction Safety App” to further promote safety messages to frontline workers were the key tasks. ● Subcommittee on Safety Training: It would be focus on enhancement of safety training on specific trades, such as fall from height and operation of crane operation. It was expected industry practitioners should attend specific training by trade before starting to work so as to increase their safety awareness. ● Subcommittee on Safety Technical Issues: It would be responsible for issuing safety alerts to industry stakeholders when serious accidents occurred and reviewing the feasibility of proposed research studies. <p>It was expected at least one achievable goal for each subcommittee to be set during the meeting where possible.</p>
2.8	Verbal Report	<p>Progress of the Formation of Task Force on Reviewing the Safety Responsibilities and Roles of Key Stakeholders</p> <p>The Com-CSY Chairperson was the Chairperson of this Task Force. Nomination of memberships was in progress. First meeting would be arranged in July 2018.</p>
2.9	Verbal Report	<p>Achievement Statement of 3-year Strategic Plan for Com-CSY</p> <p>CIC Secretariat proposed several achievement statements of the 3-year strategic plan for the Com-CSY for Members’ discussion. CIC ED explained that the CIC would organise a press conference in late July or August 2018 to announce the 3-year strategic plan with measurable achievement statement of each department to media. After deliberation, majority of Members agreed to use “Continuously Improve the Professionalism, Strengthen the Safety Culture” (持續提升專業，加強安全文化).</p>

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		Members were welcomed to provide the Secretariat with any other suggestions after the Com-CSY Meeting. The Com-CSY Chairperson reminded the three Subcommittees to follow this achievement statement before setting the objectives.
2.10		Any Other Business There was no AOB in the meeting.

Remarks: The mentioned papers discussed at the Committee on Construction Safety and the full meeting minutes can be made available to Council Members from the CIC Secretariat upon request.