

Construction Industry Council
Committee on Construction Safety

Meeting No. 002/16 of the Committee on Construction Safety was held on Wednesday, 29 June 2016 at 2:30pm at Meeting Room No. 1, CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wan Chai, Hong Kong.

Present:	Ada FUNG	(AF)	Chairman / Chairperson of Task Force on Site Safety of Working in Lift Shaft (TF-WLS)/ Chairperson of Task Force on Safety of Lorry-mounted Cranes (TG-LMC)
	CHAN Chi-chiu	(CCC)	
	LAI Chi-wah	(CWLi)	
	MO Kon-fei, Kenneth	(KM)	
	Lawrence NG	(LN)	
	WONG Sze-chun	(SCW)	
	Victor KWONG	(VK)	Chairperson of Task Force on Site Safety Incidents (TF-SSI)
	Francis WONG	(FW)	Chairperson of Task Force on Site Housekeeping (TF-SHK)
	WU Wai-hung	(WHWu)	Chairperson of Task Force on Safety of Repair, Maintenance, Alterations and Additions (RMAA) sites (TF-RMA)
	Joel CHAN	(CSC)	Hong Kong Institute of Architects (HKIA)
	CHENG Hok-chung	(CgHC)	Construction Site Workers General Union (CSWGU)
	CHOW Luen-kiu	(LKC)	Hong Kong Construction Industry Employees General Union (HKCIEGU)
	LIU Yuk-shing	(YsLu)	Hong Kong Institution of Engineers (HKIE)
	NG Choi-wah	(NCW)	Hong Kong General Building Contractors Association (HKGBCA)
	WONG Kwok-keung	(KKW)	Hong Kong Federation of Electrical and Mechanical Contractors (HKFEMC)

	Bonnie YAU	(BYu)	Occupational Safety and Health Council (OSHC)
In Attendance :	Henry LAM	(KYLm)	Assistant Secretary for Development (Works Policies) 5
	Raymond LAU	(RdL)	Buildings Department (BD)
	Timothy LAU	(TyL)	Hong Kong Housing Authority (HKHA)
	S M Leung	(SML)	Buildings Department (BD)
	Christopher TO	(CT)	Executive Director
	Ivan KO	(IK)	Senior Manager - Construction Trade Testing
	Angela YUEN	(AaY)	Manager - Council Services
	Sally LEUNG	(SYLg)	Manager - Council Services
	Serina LAU	(SLau)	Assistant Manager - Council Services
Apologies :	HUI Siu-wai	(SWH)	
	WONG Nai-keung, Philco	(NKW)	
	YU Sai-yen	(SYYu)	
	CHAN Sau-kit, Allan	(SKC)	Chairperson of Task Force on Application of Innovative Design to Enhance Construction Safety (TG-IDS)
	Raymond CHEUNG	(WMC)	Development Bureau (DevB)
	Ronnie NG	(RNG)	Hong Kong Federation of Insurers (HKFI)

PROGRESS REPORT

Action

New Co-opted Members were introduced at the beginning of the meeting

(TyL arrived the meeting at 2:40pm)

2.1 Confirmation of the Progress Report of the Com-CSY Meeting No. 001/16 held on 16 March 2016

Members took note of Progress Report CIC/CSY/R/001/16 and

confirmed the Progress Report of the last meeting held on 16 March 2016.

2.2 **Matters Arising from the Previous Meeting**

Agenda item 1.4 The proposed list of Co-opted Members for the new Session was approved by Council Members at the CIC Meeting No. 002/16 scheduled on 29 April 2016.

Agenda item 1.7 The Safety Alert No. 001/16 – “Lorry-mounted Cranes Pre-use Checklist” was published on 22 June 2016 and email to Members on the same day.

Agenda item 1.10 Work Plan and Budget for 2016 & 2017 cum Implementation Plan of Report on “Building for a Better Future – Vision 2030” would be reported under Agenda item 2.11.

2.3 **Amendments to the Terms of Reference of Com-CSY**

AaY briefed Members on the paper CIC/CSY/P/008/16 regarding “Amendments to the Terms of Reference (TOR) of Com-CSY”.

At the Council Meeting No. 002/16 held on 29 April 2016, it was suggested that the TOR of the respective Committees should be updated to include elements of Innovation, Technology and Research.

Two major amendments to the TOR of Com-CSY were as follows:

- To encourage the adoption of new technology and innovative ideas in construction safety.
- To conduct research on enhancing safety performance of the construction industry.

The above proposed TOR for Com-CSY was approved by Council on 17 June 2016.

Members took note of the amendments to the Terms of Reference of Com-CSY.

2.4 **Construction Safety Week 2016 and the Associated Activities**

AaY gave a presentation on the “Construction Safety Week (CSW) 2016” and the Associated Activities co-organised by CIC and Development Bureau (DEVB) from 25 – 27 May 2016.

The main theme for 5th CSW 2016 was “Design for Safety” focusing on Temporary Works Design.

It comprised of the following activities:

- Qigong refresher course and “train-the-trainer” course
- Zero Accident Ambassador Award 2016
- Kick Off Ceremony cum Conference
- Innovative Safety Initiative Award (ISIA) 2016
- Site Visits
- 22nd Considerate Contractors Site Award Scheme (CCSAS) Award Presentation Ceremony
- Enhancement on the mobile application “Construction Safety App”

The achievements of the CSW 2016 were as follows:

- Over 140 industry practitioners joined the Qigong “Train-the-Trainer” Course and Refresher Course. CPD hours were accredited to all participants.
- Over 3,500 construction workers nominated as “Zero Accident Ambassadors”.
- A Kick-off Ceremony cum Conference was held on 25 May 2016. Ms Ada Fung, Chairman of the Com-CSY and Mr Vincent Mak, Principal Assistant Secretary (Works) of the Development Bureau were the officiating guests of the opening ceremony at the Hong Kong Convention and Exhibition Centre.
- Over 600 frontline practitioners and stakeholders of the construction industry attended the Conference. 4 speakers were invited, including two speakers from United Kingdom.
- The ISIA award presentation ceremony was held at the Hong Kong Convention and Exhibition Centre on 25 May 2016, with a total of 30 awarded entries from 112 applications.
- Over 180 industry practitioners visited 8 exemplary work sites that demonstrated good safety performance on 26 May 2016.

- The CCSAS award presentation was held at the Kowloonbay International Trade & Exhibition Centre on 27 May 2016. 319 entries were submitted and 62 work sites were commended. Over 1,000 people attended the CCSAS Ceremony.
- Enhancement on Construction Safety App included Safety Notes, Safety Officer Corner, RMAA Works Corner, customised sound playback for severe weather warnings push notifications and Work Safety Alert by Labour Department (LD). Over 10,000 downloads of the mobile application “Construction Safety App” since launched in 2015.
- To promote CSW 2016, videos were broadcasted on the TV wall in Chungking Mansions, Roadshow and Buzplay, advertorials in Ming Pao, Sing Tao Daily News and Headline Daily. This event was successful with wide attention from 24 pieces media coverage.
- CSW website was revamped. To encourage the industry to adopt innovative safety measures, industry practitioners can view the PowerPoint and video of the awardees’ projects in this website

AF suggested promoting innovative safety methods with industry practitioners for enhancing safety in construction industry proactively. CIC Secretariat would follow up on this suggestion.

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2.5 **Progress of the Task Force on Site Safety of Working in Lift Shaft**

AaY briefed Members on the paper CIC/CSY/P/009/16 regarding the “Progress of the Task Force on Site Safety of Working in Lift Shaft” (TF-WLS).

Two Task Force meetings were held on 10 June and 18 July 2016 respectively. The drafted “Guidelines on Safety of Lift Shaft Works (Vol. 4) - Builders' Lift within Lift Shaft” in bilingual version were almost comments by Task Force Members and target to be submitted to the next Com-CSY Meeting No. 003/16 for endorsement.

Members took note of the progress of the TF-WLS.

2.6 Progress of the Task Force on Application of Innovative Design to Enhance Construction Safety

AaY briefed Members on the paper CIC/CSY/P/010/16 regarding the “Progress of the Task Force on Application of Innovative Design to Enhance Construction Safety” (TF-IDS).

Two trial runs for Rear RFID Sensing / Alarm System for Vehicles and three trial runs for the Safety Belt Engagement Sensing System were conducted by Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM) from May to June 2016. More trial runs would be arranged in summer holiday. Once the trial projects complete, CIC Secretariat and LSCM would explore to promote these devices in the market, such as liaising with manufacturer, Hong Kong Construction Association (HKCA) and Occupational Safety and Health Council (OSHC).

After deliberations, it was agreed to invite LSCM to give a presentation on the progress in the next Com-CSY Meeting No. 003/16.

Members took note of the progress of the TF-IDS.

2.7 Progress of the Task Force on Work Safety of Repair, Maintenance, Alterations and Additions (RMAA) Sites

WHWu, Chairperson of the Task Force on Work Safety of Repair, Maintenance, Alterations and Additions (RMAA) Sites (TF-RMA) briefed Members on the paper CIC/CSY/P/011/16 regarding the “Progress of the TF-RMA”.

TF-RMA Members were invited to give comments on the facilities for external inspection and maintenance of buildings.

The CIC Secretariat would revise a drafted “Guidelines on Work-above-ground Safety” after incorporating the preliminary comments received and circulate through email to the TF-RMA Members for further comments.

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Regarding the promotion on design of safety, DEVB reported that they have instructed six works departments to include design for safety in the planning or early design stage of public works if the total amount of the project is HKD500 millions or above. Design for safety workshops would be co-organised with Occupational Safety and Health Council (OSHC) for project officers in 2016 year end.

A Member questioned the reason of no legislation on using anchor points and reserving maintenance access road for enhancing safety of construction workers. Members discussed and agreed that legislation takes long time and would be the last resort.

AF shared the practice of design for safety in Hong Kong Housing Authority (HKHA) when they published a book “Pictorial Guide to Planning and Design for Safety” and organised a workshop in year 2010.

A Member mentioned that it would be a great advantage for construction workers if they can use anchor points for hanging the safety belts in existing buildings. However, the concern was the requirement to examine anchor points yearly by Registered Professional Engineer (RPE).

(CT left the meeting at 3:33pm)

OSHC reported that Competent Person (CP) was qualified to examine anchor points after attending the relevant class in OSHC. OSHC would further promote and discuss with LD on this.

For existing buildings, a Member suggested to consider inviting proprietor to install anchor points during Mandatory Building Inspection Scheme. However, from the point of view of contractor, a Member concerned the water leakage in anchor points and difficulty in maintenance in a long run. It is also known that the Buildings Department (BD) is collecting views from TF-RMA Members.

After deliberations, WHWu would hold a small group meeting of to collect the views on using anchor points and reserving maintenance access road from relevant departments and organisations before next TF-RMA meeting.

Members took note of the progress of the TF-RMA.

[Post Meeting Note: A small group meeting of TF-RMA with representatives from LD, BD, DEVB, Urban Renewal Authority, OSHC and HKHA was held on 29 July 2016.]

2.8 **Revised Membership List & Terms of Reference of the restructured Task Force on Work Safety of Repair, Maintenance, Alterations and Additions (RMAA) Sites**

SYLg briefed Members on the paper CIC/CSY/P/012/16 regarding the “Revised Membership List & Terms of Reference of the restructured Task Force on Work Safety of Repair, Maintenance, Alterations and Additions (RMAA) Sites”.

TF-RMA and its two Task Groups had been restructured into one Task Force. Members of the TF-RMA agreed to revise the Membership List and Terms of Reference of the restructured TF-RMA in the Meeting No. 001-16 held on 9 May 2016.

After deliberations, it was agreed to invite a representative from the Hong Kong Association of Property Services Agents to be a Task Force Member as suggested by HKHA.

Members endorsed the revised Membership List and revised Terms of Reference of the restructured TF-RMA.

(CSC left the meeting at 4:05pm)

2.9 **Construction Safety Poster No. 001/16 – “Use low voltage electrical hand tools and cordless electrical hand tools”**

VK, Chairperson of the Task Force on Site Safety Incidents (TF-SSI) briefed Members on the paper CIC/CSY/P/013/16 regarding the Construction Safety Poster No. 001/16 – “Use low voltage electrical hand tools and cordless electrical hand tools”.

With the support and input from VK, the “Construction Safety Poster No. 001/16 – Use low voltage electrical hand tools and cordless electrical hand tools” was drafted and sent out to Members of the TF-SSI for comment on 26 May 2016. The drafted poster was also sent out to the Hong Kong and Kowloon Electrical Engineering and Appliances Trade Workers Union and Hong Kong Federation of Electrical and Mechanical Contractors for comment on 27 May 2016.

After deliberations, Members endorsed in principle the Construction Safety Poster No. 001/16 with some minor amendment.

[Post Meeting Note: Final version of the Construction Safety Poster No. 001/16 was formally published on 15 July 2016.]

(SCW left the meeting at 4:30pm)

2.10 Safety Alert No. 002/16 – “Safety Precaution for Zika Virus Infection”

VK, Chairperson of the Task Force on Site Safety Incidents (TF-SSI) briefed Members on the paper CIC/CSY/P/014/16 regarding the Safety Alert No. 002/16 – “Safety Precaution for Zika Virus Infection”.

With the support and input from VK, Department of Health in consultation with Food and Environmental Hygiene Department (FEHD), the “Safety Alert No. 002/16 – Safety Precaution for Zika Virus Infection” was drafted. The draft Safety Alert No. 002/16 was sent out to Members of the TF-SSI for comment on 14 June 2016 and Department of Health in consultation with FEHD for comment on 14 June 2016 and 16 June 2016 (if any).

The latest version of the Safety Alert No. 002/16 (incorporated with appropriate comments received) was made and tabled.

After deliberations, Members endorsed in principle the Safety Alert No. 002/16 with some minor amendment.

[**Post Meeting Note:** Final version of the Safety Alert No. 002/16 was formally published on 26 July 2016.]

2.11 Progress update of the McKinsey Report follow up

AaY briefed Members on the paper CIC/CSY/P/015/16 regarding the “Progress update of the McKinsey Report follow up”.

In response to providing quantitative tools for private companies to understand and calculate the significance of safety risks to their businesses in recommendation No. 24 and evaluate existing Design for Construction Safety computer design tools available and issue complementary guidelines to facilitate local usage in recommendation No. 25 in McKinsey Report, a Member shared the information of Prevention through Design (PtD) in United States. It was suggested to buy the Design for Construction Safety Toolbox and relevant PtD software to review.

In recommendation No. 26 about to set up an industry award specifically for design buildability and safety, CIC Secretariat reported that CIC and DEVB would further discuss this award in Construction

Safety Week 2017.

AF suggested CIC Secretariat to arrange a small group meeting with Com-CSY members before the next Committee meeting to further discuss with relevant industry stakeholders on McKinsey Report follow up items.

[Post Meeting Note: A small group meeting with representatives from HKHA, DEVB, LD, OSHC, Hong Kong Construction Sub-Contractors Association (HKCSA) and Hong Kong Federation of Occupational Safety and Health Associations (HKFOSHA) was held on 21 July 2016 for discussion on recommendations in McKinsey Report.]

2.12 **Progress of the Safety Experience and Training Centre (SETC) for the Construction Industry**

AaY gave a presentation on the progress of the Safety Experience and Training Centre (SETC) for the Construction Industry.

SETC would be set up at Silver Card Training Workshop in Kwai Chung Training Centre (KCC). In present, the existing set up of KCC is divided into two areas, which are hazards identification area and practice area. The proposed SETC would include interactive and innovation training, virtual reality experience and systematic learning experience. The budget for the SETC has been approved by the meeting of Com-ANF on 15 May 2015.

Besides, renovation at G/F, KCC would be done at the same time. CIC Secretariat would work closely with relevant departments and core group members of this project and provide regular updates.

Members took note of the progress of the Safety Experience and Training Centre (SETC) for the Construction Industry.

(LKC left the meeting at 5pm)

2.13 **Experience Sharing for Benchmarking Visit to Germany**

AaY gave a presentation on the experience sharing for benchmarking visit to Germany.

AF, AaY and Ms Annie Ho, Senior Manager - Training & Development, represented CIC to participate in the Benchmarking Visit to Germany organised by the Hong Kong Professional Hoisting

Engineering Association from 15 to 20 April 2016. The visit included Bauma Fair 2016 and three construction plant and vehicles. It aimed to understand/ explore:

- the current trade practice through discussion with the stakeholders;
- the latest development and the next generation of cranes in the areas of safety, technology and environment;
- the safety standards and safety requirements of crane operations; and
- Possible new safety related ideas for adopting construction machinery and plant.

After the visit, it was suggested:

- lifting industry in upgrading safety devices for cranes, including truck-mounted cranes;
- exploring integrating crane simulators into CIC training centres; and
- avoiding unnecessary overload test to mobile cranes.

After deliberations, Members agreed to follow up by the Task Force on Safety of Lorry-mounted Cranes.

(FW left the meeting at 5:08pm)

2.14 **Any Other Business**

(i) Safety Related Event Calendar

A drafted safety related event calendar incorporated with government departments, associations and professionals was prepared by the CIC Secretariat. The purposes of this calendar are avoiding time clash of event dates and reserving time to attend events. The calendar would be circulated to Members for updating.

[Post Meeting Note: CIC Secretariat circulated the calendar to Members for updating by email on 12 July 2016.]

(ii) Opening Ceremony of the “Experimental Learning on Site Safety 2016”

An opening ceremony and the first training course of the Safety Training Scheme “Experimental Learning on Site Safety 2016” with HKCA would be held on 26 September 2016 at Noah’s Ark of Ma Wan. Members were invited to attend.

(iii) Suggestion on Maintenance of Marker Buoys

A contractor sent a letter to Com-CSY Chairperson on 13 May 2016 to explain the marker buoys accident in May 2016 and give suggestion on

maintenance of marker buoys. CIC replied a letter on 17 May 2016. Members agreed to follow up by the Task Force on Site Safety Incidents.

(iv) Suggestions on Maintenance Works in Existing Buildings

The Hong Kong Federation of Trade Unions sent a letter to Com-CSY Chairperson to express concern and give suggestions on maintenance works in existing buildings on 15 June 2016. CIC replied a letter on 22 June 2016. Members agreed to follow up by TF-RMA.

WHWu

(v) Amendments to the Operation Framework of CIC Research Fund

Members took note the latest amendments to the operation framework of CIC Research Fund and were invited to suggest suitable research topics for discussion in the next Com-CSY Meeting No. 003/16. Members agreed to nominate Ir Chan Chi-chiu to represent Com-CSY to review the research projects in the Task Force on Research.

(vi) Evening Gathering for Hot Topics related to Construction Safety

A Member suggested organising an evening gathering to share with industry stakeholders on hot topics related to construction safety quarterly. Com-CSY Chairperson would be invited to give sharing annually. AF welcomed this suggestion and invited CIC Secretariat to explore the possibility in future.

(vii) Follow up on Road Maintenance Works Accident

A Member suggested CIC Secretariat to follow up on road maintenance works accident recently. DEVB reported that Highways Department was reviewing the “Code of Practice for the Lighting, Signing and Guarding of Road Works” and would issue within several months.

[**Post Meeting Note:** Safety Alert No. 003/16 – “Road Maintenance Works Safety” was published on 8 August 2016. Moreover, CIC Secretariat organised a CIC Seminar on Road Maintenance Works Safety on 29 Aug 2016. As CIC has received overwhelming response, nearly 500 people registered our Seminar. CIC Secretariat had response instantly and arranged an additional session of the seminar on the same date to accommodate the needs.]

2.15 Next Meeting

14 September 2016 (Wednesday) at 2:30 pm at Meeting Room No. 1,
CIC Headquarters.

There being no further business, the meeting adjourned at 5:48pm.

CIC Secretariat
September 2016