

**Construction Industry Council**

**Committee on Construction Safety**

Meeting No. 004/16 of the Committee on Construction Safety (Com-CSY) was held on Wednesday, 7 December 2016 at 2:30 pm at Board Room, 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon.

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Summary Notes of the Com-CSY Meeting No. 004/16:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
4.1	CIC/CSY/R/003/16 (for discussion)	<b>Confirmation of the Progress Report</b> Members confirmed the Progress Report of the previous meeting held on 14 September 2016.
4.2	CIC/CSY/R/003/16 (for discussion)	<b>Matters Arising from the Previous Meeting</b> Agenda item 3.4 - Details were reported under Agenda Item 4.3 (to follow up the research project “Pilot Medical Examination Scheme for Construction Workers”). Agenda item 3.5 – Research and Development Team would discuss with the researcher on feasibility of carrying out further study of the research project “Gyroscopic Stabilizers for Construction Cranes and Gondolas”.
4.3	CIC/CSY/P/023/16 (for endorsement)	<b>Application for CIC Research Fund – Health Profiling of Construction Workers in Hong Kong</b> This 2-year research project extends from the solid ground work derived from the study of the “Pilot Medical Examination Scheme for Construction Workers” (MES) to a large scale, industry-wide study. It aims to expand the health profiling of construction workers with more in-depth health assessment. The field studies include medical examinations and health data collection with at least 1,000 construction workers. After deliberations, some Members concerned the assessment of psychological health and responsible organisations to follow-up. Some Members suggested analyse the data by trades and enlarge sample size. Research and Development Team would further discuss the above

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		concerns and suggestions with the applicant. Members agreed to make a decision on this application until presentation on final report of MES and revised proposal of this research project in the next Com-CSY meeting.
4.4	(Presentation) (for information)	<p><b>Research Topic: Waistband Enabled Construction Workers Low Back Health Monitoring System</b></p> <p>This research project aims to provide scientific method to automatically detect situations and moments in which workers are bearing maximum levels of loads so that preventive actions can be taken to avoid the occurrence of low back pain. It suggests using 2 motion sensors on the helmet and waist respectively to alert construction worker if squatting to maximum time (ie. 9 mins). This project would be completed in September 2017. After deliberations, it was suggested inviting relevant workers representatives to give advice to the researcher. Research and Development Team would liaise with the researcher on the follow-up.</p>
4.5	CIC/CSY/P/024/16 (for information)	<p><b>Progress Report on 6 Previously Funded Projects Related to Safety and Health</b></p> <p>Representatives from Research and Development Team briefly reported the progress of the 6 previously funded projects related to safety and health. Research and Development Team would continue to invite researchers of suitable research projects to the Committee for advice. Members agreed that frontline and experienced Members (such as representative from workers) could give advice on the research direction and implementation of the research projects.</p>
4.6	CIC/CSY/P/025/16 (for information)	<p><b>Progress of the Task Force on Application of Innovative Design to Enhance Construction Safety</b></p> <p>The Rear RFID Sensing / Alarm System for Vehicles was well-established and it may consider sourcing manufacturers for discussing the possibility of production and implementation in the market. On the other hand, the Safety Belt Engagement Sensing System was not well-established enough for implementation in the market at this stage and it is necessary to explore the concerns from the industries continuously.</p>

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4.7	(Presentation) (for information)	<p><b>Progress of the Task Force on Application of Innovative Design to Enhance Construction Safety</b></p> <p>Representative from the Hong Kong R&amp;D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM) reported that 6 trial runs for the Rear RFID Sensing / Alarm System for Vehicles were conducted in different construction sites. One local company was interested in commercialisation. For the Safety Belt Engagement Sensing System, 5 trial runs were conducted for different platforms in shopping malls, construction sites and residential area. LSCM was working with three local safety equipment suppliers on the modification of three different types of fall protection system. Moreover, implementation of this System must be fulfilled the standard of EN358 and EN361 by Labour Department (LD). After deliberations, Members were reminded that it was a supplementary System only and users cannot rely on it and it cannot be replaced by safety operation.</p>
4.8	CIC/CSY/P/026/16 (for information)	<p><b>Progress of the Task Force on Work Safety of Repair, Maintenance, Alterations and Additions (RMAA) Sites (TF-RMA)</b></p> <p>The first meeting of the restructured TF-RMA was held on 23 November 2016. TF Members discussed safe access and facilities for inspection and repair of external walls of new buildings and suggested future plans for the TF-RMA. After deliberations, Members agreed on the direction of the future plan.</p>
4.9	CIC/CSY/P/027/16 (for information)	<p><b>Progress of the Task Force on Safety of Bamboo Scaffolds</b></p> <p>The first Task Force meeting and site visit of closely placed bamboo scaffolding and mixed bamboo and metal scaffolding was held on 24 November 2016. Task Force Members endorsed proposed Terms of Reference and membership list, and agreed to form a working group for reviewing the CIC Guidelines on “Planking Arrangement for Providing Working Platforms on Bamboo Scaffolds”.</p>
4.10	CIC/CSY/P/028/16 (for endorsement)	<p><b>Construction Safety Poster No. 002/16 – “Lifting Safety”</b></p> <p>Members endorsed in principle the Construction Safety Poster No. 002/16 with some minor amendment.</p> <p><b>[Post Meeting Note:</b> Final version of the Construction Safety Poster No. 002/16 (renamed as</p>

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		Construction Safety Poster No. 001/17) was formally published on 27 January 2017 and attached in Annex A of this paper for information.]
4.11	CIC/CSY/P/029/16 (for information)	<p><b>Progress of the Road Maintenance Works Safety</b></p> <p>The Safety Alert No. 003/16 –Road Maintenance Works Safety was issued on 8 August 2016. 2 sessions of CIC Seminar on Road Maintenance Works Safety with 14 supporting organisations were held at ZCB on 29 August 2016. A press release was issued by the CIC on 26 October 2016. In the press release, relevant government departments have expressed what they would follow up in both short term and long term while other representatives from industrial stakeholder made recommendations on the enhancement of road safety measures. On 1 November 2016, Highways Department (HyD) issued a press release on the implementation of measures to enhancing safety protection of workers under the HyD's road works at the earliest opportunity. After deliberations, Development Bureau reported that the “Code of Practice of the Lighting, Signing and Guarding of Road Works” by HyD was under reviewed and targeted to be published an updated version in year 2017. Representative from the Training and Development of CIC reported that a CIC Seminar on Roadwork Safety would be held on 19 Jan 2017 at CIC Resource Centre for frontline workers.</p>
4.12	CIC/CSY/P/030/16 (for information)	<p><b>Fatalities of Construction Industry in 2015</b></p> <p>LD reported that 19 fatal accidents in the construction industry in 2015, including 9 from fall of person from height, 3 from struck by falling object, 3 from contact with electricity or electric discharge, and 4 from trapped in or between objects, striking against or struck by moving object, struck by moving vehicle and asphyxiation respectively.</p> <p>Members took note of the fatalities of construction industry in 2015.</p>
4.13	CIC/CSY/P/031/16 (for discussion)	<p><b>Tentative Work Plan and Budget for Year 2017</b></p> <p>The tentative work plan and budget of the Com-CSY for 2017 were discussed at the committee meeting. No comments were received in the meeting.</p>

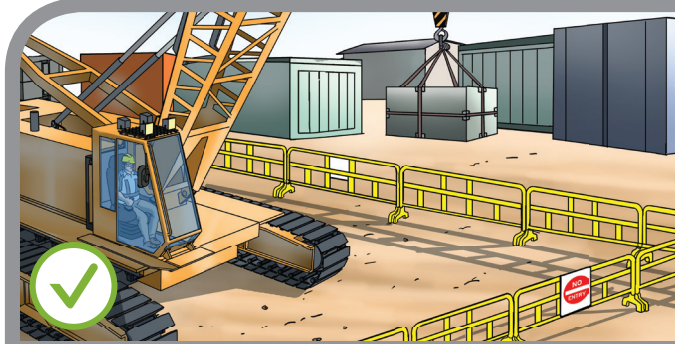
<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
4.14	CIC/CSY/P/032/16 (for information)	<b>Tentative Meeting Schedule for Year 2017</b> Members took note of the tentative meeting schedule for year 2017.
4.15		<b>AOB</b> (i) World Congress on Safety & Health at Work 2017 Representative from Occupational Safety and Health Council (OSHC) reported that the World Congress on Safety & Health at Work 2017 would be held on 3-6 September 2017 in Singapore. Com-CSY Chairperson and Members are welcome to join. Com-CSY meeting in September 2017 would be re-scheduled.  (ii) Benchmarking Study on Infrastructure Construction Safety in Japan Representative from OSHC reported that OSHC would organise a Benchmarking Study on Infrastructure Construction Safety in Japan from 26 February to 4 March 2017. The 5-day benchmarking includes a series of lectures and site-visits on infrastructure construction work safety, Design for Safety, road maintenance works safety as well as hands-on safety experience training for construction industry. Com-CSY Chairperson and Members are welcome to join.  (iii) Com-CSY Members are welcome to attend any of the Task Forces under Com-CSY if they are interested in it.

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



# Lifting Safety

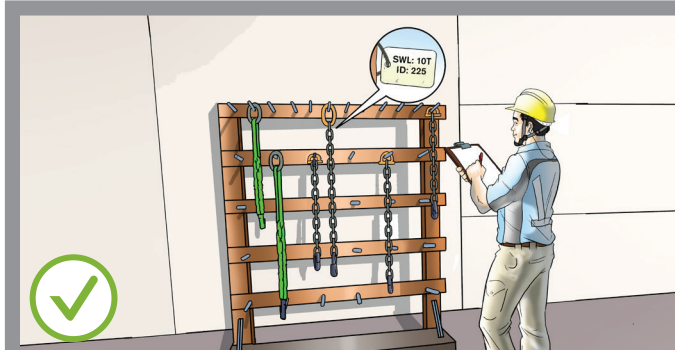
## GOOD PRACTICES ✓



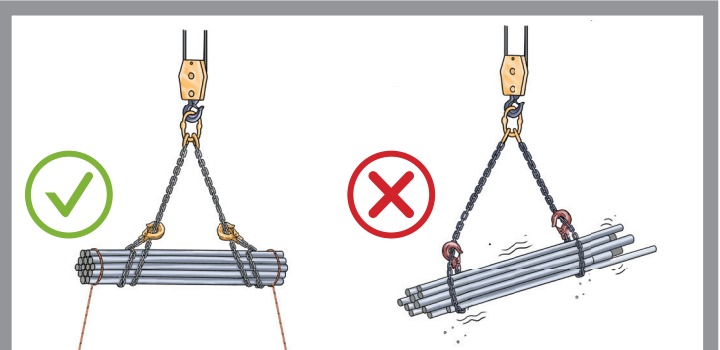
Properly fence the lifting zone with barricades and demarcate with prominent notices and ensure no persons (other than the crane operator) stay within the zone during the lifting operation.



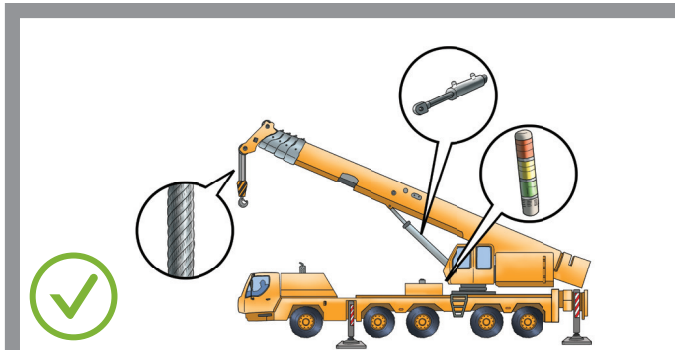
Ensure the safe working load of any multiple sling leg is not exceeded as a result of the angle between the multiple sling legs. Their upper ends shall be connected by means of a shackle, ring or link of adequate strength.



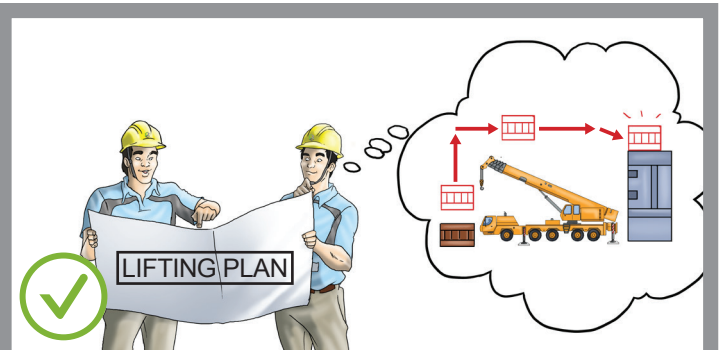
Ensure all lifting gear is provided with valid certificates; clearly marked with its safe working load and an appropriate mark to distinguish it from other similar gear. The lifting gear should also be inspected before use on each occasion.



Appoint competent riggers to correctly sling the loads and check the rigging and loading condition before every lifting. Ensure every part of the loads is balanced and securely fastened to prevent slipping or displacement of any loose objects or the loads during lifting.



Conduct regular checks by a competent person on crane's condition, including its safety features, jib, hydraulic cylinder, wire and automatic safe load indicator to ensure safe lifting operation.



Conduct task-specific risk assessment, prepare detailed lifting plan and method statement and clearly deliver to all frontline staff prior to every lifting operation.



### Disclaimer

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