

**Construction Industry Council**

**Committee on Building Information Modelling**

Meeting No. 002/19 of the Committee on Building Information Modelling (Com-BIM) was held on 11 June 2019 (Tuesday) at 2:30pm at the Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong

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Summary Notes of the Com-BIM Meeting No. 002/19:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
2.1	CIC/BIM/M/001/19 (for information)	<b>Confirmation of the Minutes of the Com-BIM Meeting No. 001/19</b> Members confirmed the Minutes of the meeting held on 12 March 2019 with some minor comments from the Development Bureau (DEVB).
2.2	CIC/BIM/M/001/19 (for information)	<b>Matters Arising from the Previous Meeting</b> Agenda item 1.1 - The research of the BIM-based Rebar Design Optimisation and Prefabrication Automation was awarded to the Hong Kong University of Science and Technology. The agreement was under preparation and would be ready for signing in June 2019. A working group to monitor the research has been formed.  Agenda item 1.7 - CIC signed Memorandum of Understanding (MoU) with three higher education institutes offering sub-degree courses on 23 April 2019.  Agenda item 1.8 - Works Departments would share the progress of the BIM-related projects at the next Com-BIM Meeting.
2.3	(Presentation)	<b>Progress Report on BIM by CIC</b> The CIC Secretariat briefed Members on the progress report on BIM by CIC as follows: - (a) <u>Development of Capacity Building Initiatives</u> <ul style="list-style-type: none"><li>• A total of 10 MoUs has been signed with higher education institutions.</li></ul>

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		<p>(b) <u>Promotion and Publicity</u></p> <ul style="list-style-type: none"> <li>• CIC BIM Space Opening Ceremony was held on 23 April 2019. Upcoming regular events at CIC BIM Space included BIM Awareness Seminar and Workshop 2.0, BIM Solution Days, BIM Advanced Workshop and BIM Night.</li> <li>• “BIM Talks x Safety” was held on 22 May 2019 with 417 attendees.</li> <li>• Construction Innovation Expo 2019 would be held from 17 to 20 December 2019 while the International Conference on BIM would be held on 17 December 2019.</li> </ul> <p>(c) <u>Standards and Guidelines</u></p> <p>BIM Standards, namely “Statutory Plan Submission”, “Mechanical, Electrical and Plumbing (MEP)”, and “Underground Utilities (UU)” were under preparation.</p> <p>(d) <u>BIM Certification and Accreditation Scheme (BIMCAS)</u></p> <ul style="list-style-type: none"> <li>• The grandfathering policy and grace period of applying for CIC-Certified BIM Manager (CCBM) would be valid until 31 December 2019, while limited time offer of reduced application and renewal fees would be valid until 31 December 2020.</li> <li>• 17 briefing sessions had been held since launching of BIMCAS in January 2019 and attracted more than 720 attendees.</li> <li>• 40 practitioners had been certified as CCBMs and more than 50 new applications were being processed.</li> </ul> <p>(e) <u>Research and Development (R&amp;D)</u></p> <ul style="list-style-type: none"> <li>• CIC has appointed a consultant (bimSCORE Ltd) to conduct a BIM adoption survey in Hong Kong.</li> </ul> <p>(f) <u>Other Matters</u></p> <ul style="list-style-type: none"> <li>• The pilot BIM-Asset Management (BIM-AM) project at Zero Carbon Building was almost completed.</li> <li>• Ar. Ada FUNG, Chairperson of Com-BIM, led a team of 13 delegates to attend the buildingSMART International (bSI) Standards Summit in Dusseldorf, Germany, in March 2019.</li> <li>• About formation of a local chapter of bSI, the CIC Secretariat reported that CIC should focus on the BIM development for the local industry and CIC could not be a member of bSI which is a Company</li> </ul>

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		<p>Limited by Guarantee. Ar. Ada FUNG supplemented that Hong Kong Institute of Building Information Modelling (HKIBIM), Hong Kong Institute of Civil and Building Information Management (HKICBIM) and Hong Kong Geographic Information System Association (HKGISA) were forming an alliance and would apply to become the Hong Kong Chapter of bSI. The announcement would tentatively be made at the International Standards Summit in Beijing in October 2019. The Hong Kong Chapter of bSI would work closely with the CIC.</p> <ul style="list-style-type: none"> <li>• International Built Environment Week would be held from 3 to 6 September 2019 in Singapore. The CIC Secretariat would send details to Members for consideration of joining the CIC delegation.</li> </ul> <p>Members were encouraged to support the above BIM activities and projects.</p> <p>[Post-meeting Notes: CIC BIM Competition Award Presentation Ceremony was successfully held on 16 June 2019. Sharing session of bSI Standards Summit was successfully held on 14 June 2019 and attracted around 100 attendees.]</p>
2.4	CIC/BIM/P/005/19 (for information) (Presentation)	<p><b>Progress of the Task Force on BIM Standards (Phase 2)</b></p> <p>Prof. Jack CHENG, Chairperson of the Task Force on BIM Standards (Phase 2), reported that “CIC BIM Standards (Phase One)” would be updated and renamed to “CIC BIM Standards – General”. The final draft of CIC BIM Standards for MEP and UU would be ready by July 2019 and sent to Com-BIM Members for approval by circulation.</p> <p>Ir Francis LEUNG, representative from Aurecon, gave a presentation on the “Consultancy Services for BIM Standards of Statutory Plan Submission” for Members’ information.</p> <p>Prof. Jack CHENG reported that BIM Agreement, BIM Specification, CIC BIM Standards (Phase One) enhancement, BIM Standards on generation of MEP 2D drawings, Simplified BIM and BIM for Quantity Take Off (QTO) were planned to be developed with higher priority.</p> <p>For the BIM Agreement, Sr Dr. Stephen LAI, Chairperson of the Committee on Construction Procurement</p>

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		<p>(Com-CPT), agreed to work with Com-BIM. Ir Albert CHENG, Executive Director of the CIC, supported the collaboration between the two Committees and suggested Com-BIM to work together with Com-CPT in developing clauses for incorporation into private and public works contracts.</p> <p>For the development of 5D BIM for QTO, Ar. Ada FUNG suggested to form a small working group to follow up.</p> <p>[Post-meeting Notes: Com-CPT suggested Com-BIM to consider taking the lead in developing a model agreement for contracts with BIM application.]</p>
2.5	CIC/BIM/P/006/19 (for information)	<p><b>Progress of the Task Force on BIM Training</b></p> <p>Ir Clement CHUNG, Chairperson of the Task Force on BIM Training, reported the progress on BIM training by Hong Kong Institute of Architects, Hong Kong Institution of Engineers, Hong Kong Institute of Surveyors and DEVB. In addition, he mentioned that CIC would conduct a study on the skill requirements for BIM Coordinators or equivalent personnel and develop the syllabus for the required training courses.</p> <p>Mr. MOK Peng-lam, Principal – Centre for Professional Development of the Hong Kong Institute of Construction (HKIC), reported that the HKIC could provide 1,551 BIM training places at present. 2,140 training places were planned for the school year 2019-2020.</p>
2.6	(Presentation)	<p><b>Progress of BIM Adoption Survey</b></p> <p>The CIC Secretariat briefed Members on the background of the BIM adoption survey. Dr. William LAM, representative from bimSCORE Ltd, consultant of this survey, gave a presentation on the progress of their work.</p> <p>[Post-meeting Notes: CIC Secretariat sent draft questionnaires to Members for comment by email on 12 June 2019. The online survey would commence in the second week of July 2019.]</p>

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2.7	(Presentation)	<p><b>Presentation of BIM Adoption Roadmap</b> Representatives from DEVB, Airport Authority Hong Kong, Hong Kong Housing Authority, Hong Kong Housing Society, Urban Renewal Authority and West Kowloon Cultural District Authority who had signed the BIM adoption charter each gave a presentation on their organisation’s BIM adoption roadmap.</p> <p>Ar. Ada FUNG suggested to invite the Real Estate Developers Association of Hong Kong to update the progress of BIM adoption amongst their members at the next meeting.</p>
2.8	(Presentation)	<p><b>Presentation of 5D BIM</b> Ms. Katherine SHUM, Director of the Rider Levett Bucknall, gave a presentation on 5D BIM experience sharing. After the presentation, Ar. Ada FUNG suggested the Task Force on BIM Standards (Phase 2) to examine the user cases for further development and to identify measures for wider adoption.</p>
2.9	(Presentation)	<p><b>Any Other Business</b> Ar. Ada FUNG gave a brief presentation on the bSI Standards Summit and encouraged Members to attend the International Standards Summit in Beijing in October 2019.</p>

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