

**Construction Industry Council**

**Committee on Building Information Modelling**

Meeting No. 001/19 of the Committee on Building Information Modelling (Com-BIM) was held on 12 March 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. 001/19:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
1.1	CIC/BIM/P/001/19 (for endorsement)	<p><b>Applications for the CIC Research and Technology Development Fund - BIM-based Rebar Design Optimisation and Prefabrication Automation</b></p> <p>The research aims to develop a highly specialised BIM-based platform for automated clash-free design optimisation and prefabrication of steel rebar in typical RC building structures. It would focus on building and public housing. The key objectives include:-</p> <ul style="list-style-type: none"><li>(a) accuracy on rebar details design and rebar bending schedule;</li><li>(b) automation; and</li><li>(c) wastage reduction on site.</li></ul> <p>After deliberations, Members endorsed the research proposal and a small working group would be formed to monitor the research.</p>
1.2	CIC/BIM/M/003/18 (for information)	<p><b>Confirmation of the Minutes of the Com-BIM Meeting No. 003/18</b></p> <p>Members confirmed the Minutes of the meeting held on 4 December 2018.</p>
1.3	CIC/BIM/M/003/18 (for information)	<p><b>Matters Arising from the Previous Meeting</b></p> <p>Agenda item 3.2 – BIM Education among Professional Bodies</p>

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		<p>(a) The Hong Kong Institute of Architects (HKIA) BIM Accreditation for List of BIM Pro and BIM Co was launched and Development Bureau (DEVB) was informed; HKIA has co-organised BIM in Architectural Design course with the Hong Kong Design Institute.</p> <p>(b) The Hong Kong Institution of Engineers had been conducting engineering discipline-specific BIM seminar/training course/forum (CPD events) for their members.</p> <p>(c) Quantity Surveying Division of The Hong Kong Institute of Surveyors was working with IVE (Morrison Hill) to develop a BIM Cost Management course for their members.</p>
1.4	CIC/BIM/P/002/19 (for endorsement)	<p><b>Revised HKIC BIM Training Plan 2019/20</b></p> <p>The number of training places would be increased from 1,360 in 2018 to 2,120 in 2019/20. The content of the BIM Management Course was being enhanced to meet the BIM Manager Course accreditation requirements under the BIM Certification and Accreditation Schemes (BIMCAS). The BIM Data Management Course would be modified to focus on scripting (programming). After deliberations, Hong Kong Institute of Construction (HKIC) would review the number of class for Navisworks. Moreover, HKIC would increase the number of classes and number of seats of the training courses if there is market demand.</p> <p>Members endorsed the revised HKIC BIM training plan 2019/20.</p>
1.5	(Presentation)	<p><b>Progress Report on BIM by CIC</b></p> <p>(a) <u>Promotion of adoption of BIM</u></p> <ul style="list-style-type: none"> <li>• BIM Adoption Charter Signing Ceremony was held on 28 January 2019.</li> </ul> <p>(b) <u>Development of BIM Standards (Phase 2)</u></p> <p>(c) <u>Promotion of adoption of BIMCAS</u></p> <ul style="list-style-type: none"> <li>• Ten briefing sessions were organised since launching in January 2019 and attracted more than 520 participants.</li> </ul> <p>(d) <u>Promotion of BIM Year events</u></p> <ul style="list-style-type: none"> <li>• BIM Year 2019 &amp; BIMCAS Launch Ceremony was held on 28 January 2019.</li> </ul>

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		<ul style="list-style-type: none"> <li>• “BIM Talks x Research Forum” was held on 20 February 2019.</li> <li>• “BIM Talks x Safety” would be held on 22 May 2019. This would be one of the key events of the Construction Safety Week 2019.</li> <li>• Total 45 groups and 11 groups have registered to enter the BIM Competition in the Tertiary Students Category and the Open (Practitioners) Category respectively.</li> <li>• The project on BIM-Asset Management at Zero Carbon Building was close to completion.</li> <li>• The target launch of BIM Portal (Phase 2) would be in Q2 2019.</li> <li>• Interviews with Key BIM Practitioners were being arranged.</li> </ul> <p>(e) <u>Opening of the CIC BIM Space</u></p> <ul style="list-style-type: none"> <li>• A preview of BIM Space for CIC Council Members was conducted on 22 February 2019.</li> <li>• The opening ceremony was planned to be held on 23 April 2019.</li> </ul> <p>(f) <u>Development of new / enhanced existing BIM courses</u></p> <ul style="list-style-type: none"> <li>• The Memorandum of Understanding (MoU) with Technological and Higher Education Institute of Hong Kong would be arranged at the CIC BIM Space opening ceremony.</li> </ul> <p>(g) <u>BIM-related research projects</u></p> <p>(h) <u>Engagement of industry support</u></p> <p>(i) <u>Development of a 3D digital built environment for Hong Kong</u></p> <p>(j) <u>buildingSMART International Standards Summit</u></p> <p>Members were encouraged to support the above BIM activities and projects.</p>
1.6	CIC/BIM/P/003/19 (for information) (Presentation)	<p><b>Progress of the Task Force on BIM Standards (Phase 2)</b></p> <p>(a) For draft of the BIM Standards for statutory plan submission, four stakeholder engagement seminars were held from January to March 2019 and more than 200 stakeholders had participated.</p> <p>(b) For the draft versions of the two BIM Standards (Phase Two), viz. for Mechanical, Electrical and Plumbing: Level of Development &amp; Underground Utilities, two stakeholder engagement consultation forums were held in January 2019 with over 140 participants. A draft was issued for</p>

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		comment on 5 March 2019. Another two stakeholder engagement forums would be held on 21 and 22 March 2019.
1.7	CIC/BIM/P/004/19 (for information)	<b>Progress of the Task Force on BIM Training</b> (a) Drainage Services Department and Water Supplies Department had respectively given one and two project BIM models to CIC for teaching purpose. (b) Chairperson of the Com-BIM suggested CIC to sign MoU on collaboration of BIM education with post-secondary institutes who were providing sub-degree courses.
1.8	(Presentation)	<b>Progress of the BIM-related Projects</b> (a) A representative from the Planning Department updated the progress of the Feasibility Study “Development of a Common Spatial Data Infrastructure – Built Environment Application Platform”. (b) A representative from the Lands Department updated the progress of the project “Development of Common Spatial Data Infrastructure, 3D Digital Map, and e-Building Plan Data Processing System”. (c) A representative from the Buildings Department updated the progress of the project “Draft Guidelines for using BIM in General Building Plan Submission”.
1.9	(Presentation)	<b>Any Other Business</b> Ir Dr. Richard Pang, Director-Industry Development reported that the CIC and the DEVB would organise the Construction Innovation Expo (CIExpo) 2019 at the Hong Kong Convention and Exhibition Centre from 17 to 20 December 2019. Members were encouraged to join the CIExpo 2019 and consider to be or help to identify exhibitors.

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