

**Construction Industry Council**

**Committee on Building Information Modelling**

Meeting No. 005/20 of the Committee on Building Information Modelling (Com-BIM) was held on Tuesday, 15 December 2020 at 2:30pm through web meeting.

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Summary Notes of the Com-BIM Meeting No. 005/20:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		Before the meeting, Ar. Ada FUNG, Chairperson of the Com-BIM, welcomed Ir Francis LEUNG and Cr Michael WONG, new members of the Com-BIM. Ar. Ada FUNG also reported that Ir Daniel CHONG resigned from the Com-BIM on 20 November 2020 with immediate effect.
5.1	CIC/BIM/M/004/20	<b>Confirmation of the Minutes of Com-BIM Meeting No. 004/20</b> Members confirmed the Minutes of the meeting held on 22 September 2020.
5.2	CIC/BIM/M/004/20	<b>Matters Arising from the Previous Meeting</b> Members received the progress report on matters arising from the Meeting No. 004/20 of the Com-BIM by circulation on 8 December 2020. No comments were received.
5.3	*CIC/BIM/P/022/20* (for approval)	<b>★Formation of Task Force on BIM Submissions to the Buildings Department</b> Mr. Thomas CHAN, Development Bureau (DEVB) suggested to include a representative

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		<p>from the DEVB in the Task Force on BIM Submissions to the Buildings Department (BD). The CIC Secretariat would follow up.</p> <p>Members approved the formation of the Task Force on BIM Submissions to the BD with an aim to aid the development of the electronic submission hub with acceptance of BIM submissions and to streamline the workflow in the plan approval process.</p> <p>Terms of Reference and Membership of the Task Force is appended at the Annex.</p> <p>[Post-meeting note: Mr. Thomas CHAN nominated Mr. Kennis WAN to serve as a member of the Task Force on 18 December 2020.]</p>
5.4	CIC/BIM/P/023/20 (for information) (Presentation)	<p><b>Progress of the BIM Adoption Survey 2020</b></p> <p>Members took note of the progress of the BIM Adoption Survey 2020 after a representative from the Llewellyn and Partners Company Limited gave a presentation on the draft public facing report of the BIM Adoption Survey 2020.</p> <p>[Post-meeting note: The Com-BIM approved the public facing report of the BIM Adoption Survey 2020 on 31 December 2020 by circulation.]</p>
5.5	CIC/BIM/P/024/20 (for information) (Presentation)	<p><b>Progress of the Enhancement of the CIC BIM Standards - General (Version 2 - December 2020)</b></p> <p>Members noted that a separate briefing session was conducted on 13 November 2020 for</p>

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		<p>the Com-BIM Members, and the paper on issuance of the CIC BIM Standards - General (Version 2 - December 2020) was approved by the Com-BIM in principle on 30 November 2020 by circulation. It would be uploaded to the CIC BIM Portal by end of December 2020. Members also took note of the progress and the subsequent follow-up actions (seminars and training).</p> <p>Ar. Ada FUNG proposed to organise a launching ceremony for the series of new CIC BIM Standards as they have incorporated the principles and good practice in ISO 19650. It would be a new era of BIM implementation in Hong Kong and hence formal recognition is considered needed.</p> <p>[Post-meeting note: The CIC BIM Standards - General (Version 2 - December 2020) was published on the CIC BIM Portal on 31 December 2020. The Launching Ceremony for the New Edition of CIC BIM Standards and Other BIM Initiatives was held on 27 January 2021 to introduce the new edition of CIC BIM Standards and update the CIC’s key initiatives on BIM. The event attracted 1,147 participants.]</p>
5.6	*CIC/BIM/P/025/20* (for information)	<p><b>★Progress of the Task Force on BIM Standards</b></p> <p>Members took note of the progress of the Task Force on BIM Standards. Ar. Ada FUNG reminded that the CIC has to update the CIC Standards released previously to align them with the CIC BIM Standards - General (Version 2 - December 2020), with reference to ISO 19650.</p>

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		<p>[Post-meeting note: The BIM-related Reference Materials below were published on the CIC BIM Portal on 31 December 2020:</p> <p>(a) CIC BIM Standards for Architecture and Structural Engineering (Version 2 - December 2020)</p> <p>(b) CIC BIM Dictionary (December 2020)</p> <p>(c) CIC BIM Standards for Preparation of Statutory Plan Submissions (December 2020)]</p>
5.7	*CIC/BIM/P/026/20* (for information)	<p><b>★Progress of the Task Force on BIM Training</b></p> <p>Members took note of the progress of the Task Force on BIM Training. Ir Clement CHUNG, Chairperson of the Task Force on BIM Training, reported that the Task Force would set up a Task Group on BIM Training for Higher Education (in Hong Kong) under the lead of Ir Prof. CHUNG Kwok-fai, aiming to coordinate BIM development in higher education institutions, promote sharing of teaching materials, enhance BIM teaching and learning among lecturers, define effective BIM learning outcomes, and promote the CIC BIM competitions to students.</p>
5.8	*CIC/BIM/P/027/20* (for information)	<p><b>★Progress of the Task Force on BIM Specifications and Agreement</b></p> <p>Members took note of the progress of the Task Force on BIM Specifications and Agreement. Ar. Ada FUNG reported that the CIC Standard Exchange Information Requirements (EIR)</p>

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		<p>Template prepared by the Task Group 1 on BIM Specifications will be released in December 2020.</p> <p>[Post-meeting note: The CIC Standard EIR Template was published on the CIC BIM Portal on 31 December 2020.]</p>
5.9	*CIC/BIM/P/028/20* (for information)	<p><b>★Progress Reports</b></p> <p>Members took note of the progress reports on the BIM Certification and Accreditation Schemes, updates on the BIM work done by the CIC, and ongoing consultancies and research projects under the Com-BIM. The following supplementary information was presented to Members:</p> <p>(a) <u>Autodesk discount in subscription fees</u></p> <p>Mr. Alex HO, Senior Manager-BIM, updated Members on Autodesk’s special discount on their software licences (for the whole industry in Hong Kong) after meeting with Autodesk Hong Kong representatives on 14 December 2020. The CIC would send the details of Autodesk’s responses on the questions raised by Members and invite Members to attend the online sessions on Revit’s roadmap. Autodesk had indicated to the CIC that they would acknowledge the effort from the CIC and the industry in reflecting industry’s concerns on the cost of software licences, and on issues related to change from network licences to individual licences, and as a result of the communication they had responded by providing special discounts on their software licences.</p>

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		<p>[Post-meeting note: Members were invited to attend the first online session on Revit’s roadmap on 13 January 2021.]</p> <p>(b) <u>Research projects “BIM-based Rebar Design Optimisation and Prefabrication Automation”</u></p> <p>Mr. Thomas CHAN supplemented that the DEVB had identified some pilot projects for trial use of BIM technology for rebar prefabrication, and they would advise Works Departments to use the plug-in software. Mr. Macin KLOCEK indicated that he would also try to identify pilot MTR projects for use of the software developed.</p> <p>[Post-meeting note: The Final Report of the “BIM-based Rebar Design Optimisation and Prefabrication Automation” was approved by the Com-BIM in principle on 31 December 2020 by circulation.]</p> <p>(c) <u>Migrate BIM Network Members to i-Club</u></p> <p>Ir Dr. Richard PANG reported the plan to migrate all CIC-BIM Network members to i-Club as organisation members for consolidated dissemination of news on Continuing Professional Development events and information on innovation and technology, so as to reach out the industry stakeholders in a more effective way.</p> <p>[Post-meeting note: Ar. Ada FUNG expressed her view that BIM Network members should</p>

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		<p>be easily identified for ease of BIM coordination and consultations.]</p> <p>(d) <u>Consultancy Services on the 3D and BIM Data Use Case Requirements of the Construction Industry for the Development of Digital Hong Kong</u></p> <p>Mr. Alex HO supplemented that the consultant had provided a quotation for studying five more use cases identified in the study. The Project Working Group and Project Steering Group would review the details and discuss the matter further in a separate meeting.</p>
5.10	CIC/BIM/P/029/20 (for information) (Presentation)	<p><b>Sharing on the Deliverables of the TechConnect Fund Project</b></p> <p>Members took note of the details and the deliverables on the TechConnect Fund Project “Develop the Technology to Produce Plans for Statutory Submission from the Building Information Modelling (BIM)” after representatives from the Independent Checking Unit and Building Information Technology Limited gave a presentation.</p> <p>After the presentation, Ar. Ada FUNG suggested the CIC to organise a webinar and invite the presenters to give a sharing to the industry and BD. She also suggested to include a link in the CIC BIM Portal for industry practitioners to access the project deliverables.</p> <p>[Post-meeting note: The link to access the project deliverables was included in the CIC BIM Portal on 29 December 2020 (<a href="https://www.bim.cic.hk/en/resources/publications_detail/81">https://www.bim.cic.hk/en/resources/publications_detail/81</a>).]</p>

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5.11	*CIC/BIM/P/030/20* (for information)	<p><b>★Tentative Meeting Schedule for Year 2021</b> Members took note of the tentative meeting schedule for Year 2021.</p>
5.12		<p><b>Any Other Business</b></p> <p>(a) <u>BuildingSMART Professional Certification</u> Ar. Ada FUNG reported that the Hong Kong Alliance of Built Asset &amp; Environment Information Management Association (i.e. the Hong Kong Chapter of buildingSMART International) would launch the BuildingSMART Professional Certification Program for openBIM training and certification in 2021.</p> <p>(b) <u>Updates on DEVB Technical Circular (Works) on BIM</u> Mr. Thomas CHAN reported that the updated DEVB Technical Circular (Works) on BIM would be issued in December 2020 and would take effect on 1 January 2021. The Circular would enhance the implementation requirements for BIM adoption and extend the scope of mandatory BIM uses. The Circular would also emphasize on re-engineering the workflow for the whole project delivery cycle to make good use of the BIM data/model, mention the aim to adopt BIM for e-tendering, stipulate that the BIM Team Leader shall be a CIC-Certified BIM Manager and recognise the CIC-Certified BIM Coordinator as an acceptable qualification for the BIM Coordinators specified. In addition, BIM Key Performance Indicators would be introduced and data would be collected to measure the effectiveness of BIM adoption for continuous improvement.</p>



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		<p>(c) <u>Hong Kong Construction Association (HKCA)’s comments on BIM Training</u> The CIC had received comments on BIM training from Mr. Billy WONG, on behalf of the HKCA, one day before the Com-BIM Meeting. CIC would convey the relevant comments to the relevant Task Forces and parties to follow up.</p>

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

**Construction Industry Council**

**Committee on Building Information Modelling**

**Task Force on BIM Submissions to the Buildings Department**

**Terms of Reference**

1. To identify projects and carry out pilot BIM submissions to BD for approval and consent.
2. To identify challenges (if any) and develop solutions.
3. To streamline workflow for BIM submissions.
4. To identify training requirements.
5. To identify improvements required to BIM Standards.
6. To capture lessons learnt and prepare guidance notes on best practice for reference by the industry.

The Task force shall have a term of 18 months starting from the first Task Force meeting. The term may be extended subject to the status of the tasks in progress.

**Construction Industry Council****Committee on Building Information Modelling****Task Force on BIM Submissions to the Buildings Department****Membership List**

	<b>Name</b>	<b>Representing Organisation/ Remarks</b>
1.	Ada FUNG Yin-suen (Chairperson)	Chairperson of the Com-BIM
2.	Vincent CHU Chun-lap	MTR Corporation Limited
3.	Alex CHU Siu-ki	Lands Department
4.	John CHUI Kwok-lun	Housing Department
5.	Elvis HUI	Urban Renewal Authority
6.	Terence KONG Hon-wai	Independent Checking Unit
7.	Vivian KWOK	The University of Hong Kong
8.	LAM Hiu-kwan	Airport Authority Hong Kong
9.	Franco TSE Kam-ming	Buildings Department
10.	Kennis WAN Siu-yiu	Development Bureau
11.	WONG Chi-ming	Hong Kong Housing Society

(In attendance list)

	<b>Name</b>	<b>Representing Organisation/ Remarks</b>
1.	CHOI Sze-man	Housing Department
2.	Marcin KLOCEK	MTR Corporation Limited
3.	Simon WONG Po-suen	Buildings Department