

**Construction Industry Council**

**Committee on Building Information Modelling**

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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.

Present	:	Ada FUNG Yin-suen	(AF)	Chairperson
		Neo CHAN Kang-yuen*	(NCKy)	
		Thomas CHAN Tak-yeung*	(CTY)	
		Jack CHENG Chin-pang*	(JCCp)	
		Donald CHOI Wun-hing*	(DC)	
		Clement CHUNG*	(CtCg)	
		CHUNG Kwok-fai*	(CKFi)	
		Ivan FU Chin-shing*	(FI)	
		Francis LEUNG Chi-suen	(FLCs)	
		Eric POON Shun-wing*	(EPSW)	
		Tommy TAM Wing-cheung*	(WCT)	
		Billy WONG Chi-pan*	(BWCb)	
		Kelvin WONG Ka-wo*	(KWKw)	
		Michael WONG Wai-lun*	(MWWL)	
		Rosana WONG Wai-man*	(RnWg)	
In Attendance	:	Rocky POON Lock-kee*	(LKP)	Co-chairperson of Task Force on BIM Specifications and Agreement
		Marcin KLOCEK*	(mK)	Chairperson of Task Group 1 on BIM Specifications
		Albert CHENG*	(CTN)	Executive Director
		Richard PANG	(RPg)	Director – Industry Development
		Alex HO	(AHKK)	Senior Manager – Building Information Modelling
		Sunny CHOI	(SLC)	Manager – Building Information Modelling
		Serina LAU	(SLau)	Manager – Building Information Modelling
		Ron NG	(RNCw)	Manager – Building Information Modelling
		George WONG*	(GWck)	Manager – Building Information Modelling
		Annie LUI	(ALui)	Officer – Building Information Modelling

Terence WONG\* (TeWg) Lecturer – School of Professional Development in Construction, Hong Kong Institute of Construction

*Remarks: \*attend the meeting through Microsoft Teams*

## **MINUTES**

### **Action**

Before the meeting, AF briefed Members on the implementation of the “Starred Discussion Paper” System.

AF welcomed FLCs and MWWL, new members of the Com-BIM. The profiles of FLCs and MWWL are as follows:

- (a) FLCs is a Fellow Member of the Hong Kong Institution of Engineers (HKIE) in the Structural discipline and he is a representative from the HKIE in the CIC Task Force on BIM Training. He was a Founding Chairman and is currently the Chairman of the Hong Kong Institute of Building Information Modelling. He is currently a Managing Director at BIMSONS Limited. He had used BIM in his building and engineering projects since 2008. With his BIM experience, his appointment as a Com-BIM member would help to facilitate the synergetic development of BIM and digitalisation with a wider spectrum of key stakeholders.
- (b) MWWL is a graduate of the Construction Supervisor Trainee/ Technician Training Programme – Building Construction from the Construction Industry Training Authority in 1999. He is currently a Senior Project Manager of Hip Hing Construction Company Limited. Under his leadership of the Xiqu Centre project, he won a Silver Award in 2018 under the New Works and A&A Works Category of the Chartered Institute of Building (HK) Construction Manager of the Year Awards Hong Kong. He was also an awardee of the HKIC Outstanding Alumni Award, as well as the Construction Industry Outstanding Young Person Award 2019. With his working experience in adopting BIM for design and management of construction works on site, his appointment as a Com-BIM member could help to drive the BIM adoption in construction sites.

AF reported that Ir Daniel CHONG resigned from the Com-BIM on 20 November 2020 with immediate effect. She expressed gratitude to his

past contributions and support on the Com-BIM.

AF reminded Members to declare conflict of interest if any. No conflict of interest was registered.

**5.1 Confirmation of the Minutes of Meeting No. 004/20 of the Com-BIM**

Members took note of the Paper CIC/BIM/M/004/20 and confirmed the Minutes of meeting No. 004/20 of the Com-BIM held on Tuesday, 22 September 2020.

**5.2 Matters Arising from the Previous Meeting**

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 ★Formation of Task Force on BIM Submissions to the Buildings Department**

This starred discussion paper sought Members' approval on the proposed Terms of Reference and Membership of the Task Force on BIM Submissions to the Buildings Department (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.

CTY suggested to include a representative from the Development Bureau (DEVB) in the Task Force. The CIC Secretariat would follow up.

**CIC  
Secretariat**

Members approved Paper \*CIC/BIM/P/022/20\* without further comments.

[Post meeting note: CTY nominated Mr. Kennis WAN to serve as a member of the Task Force on 18 December 2020.]

#### **5.4 Progress of the BIM Adoption Survey 2020**

This paper presented for Members' information the progress of the BIM adoption survey 2020.

RPg was invited to randomly select five winners from the BIM adoption survey respondents to attend the "Professional Certificate for Building Information Modelling (BIM) Manager" (worth around HK\$10,000) or other BIM training courses organised by the Hong Kong Institute of Construction (HKIC). Winners were as follows:-

- (a) Iris from JK Engineering Limited (4098B);
- (b) CHAN from Chi Kan Woodworks Company Limited (4033H);
- (c) KWAN Yiu-wai from Chevalier (Construction) Company Limited (4019F);
- (d) TO Shun-kwong from Prudential Surveyors International Limited (5019); and
- (e) YT Tang & Associates Limited (5027).

The CIC Secretariat and HKIC would follow up with the winners.

**CIC  
Secretariat  
and HKIC**

Ir Dr. Llewellyn TANG, representative from the Llewellyn and Partners Company Limited gave a presentation on the draft public facing report of the BIM adoption survey 2020. No adverse comments on the survey results were received from Members.

After the presentation, AF suggested the CIC to sign memorandum of understanding with the professional institutions and trade associations such that the CIC can coordinate with them to provide solutions training for their members.

**CIC  
Secretariat**

In addition, the CIC was working with the DEVB to estimate the demand and supply of different levels of BIM personnel required. The CIC would share the estimates with Members once finalised.

**CIC  
Secretariat**

Members received paper CIC/BIM/P/023/20 without further comments.

*(MWWL attended the meeting through Microsoft Teams at 2:45pm)*

[Post-meeting note: Paper CIC/BIM/P/031/20 regarding the public facing report of the BIM Adoption Survey 2020 was approved by the Com-BIM in principle on 31 December 2020 by circulation.]

**5.5 Progress of the Enhancement of the CIC BIM Standards – General (Version 2 – December 2020)**

This paper presented for Members’ information the progress of the enhancement of the CIC BIM Standards - General (Version 2 - December 2020).

Members noted that a separate briefing session was conducted on 13 November 2020 for the Com-BIM Members, and the paper CIC/BIM/P/021/20 regarding the issuance of the new edition of the CIC BIM Standards - General 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.

Mr. David FUNG, representative from Advanced Construction Information Development Limited, gave a presentation on the progress and subsequent follow-up actions (seminars and training) on the enhancement of the CIC BIM Standards - General (Version 2 - December 2020).

After presentation, AF invited CTY to alert Works Departments (WD) that the CIC would provide training courses to them.

**CTY**

AF suggested the CIC to provide simple guidelines for readers to understand the new edition of the CIC BIM Standards - General, and suggested the industry to follow the new edition of the CIC BIM Standards - General for their upcoming projects in 2021.

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In addition, AF 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.

**CIC  
Secretariat**

Members received paper CIC/BIM/P/024/20 without further comments.

[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]

**5.6 ★Progress of the Task Force on BIM Standards**

This starred paper presented for Members' information the progress of the Task Force on BIM Standards (TF-BS).

**TF-BS**

AF 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.

Members received Paper \*CIC/BIM/P/025/20\* without further comments.

[Post-meeting note: The BIM-related Reference Materials below were published on the CIC BIM Portal on 31 December 2020:

- (a) CIC BIM Standards for Architecture and Structural Engineering (Version 2 - December 2020)
- (b) CIC BIM Dictionary (December 2020)
- (c) CIC BIM Standards for Preparation of Statutory Plan Submissions (December 2020)]

**5.7 ★Progress of the Task Force on BIM Training**

This starred paper presented for Members' information the progress of the Task Force on BIM Training (TF-BT).

CtCg updated Members about the remote BIM basic modelling training courses for the Hong Kong Federation of Electrical & Mechanical Contractors (HKFEMC) in paragraph 3.1(b)(v), Paper \*CIC/BIM/P/026/20\*. The School of Professional Development in Construction (SPDC) of the HKIC had organised a 3-hour trial session to HKFEMC and the result was being reviewed. SPDC would further discuss with HKFEMC on whether to conduct the first class in January 2021.

CtCg also reported that the TF-BT would set up a Task Group on BIM Training for Higher Education (in Hong Kong) under the lead of CKFi, 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.

**TF-BT**

Members received Paper \*CIC/BIM/P/026/20\* without comments.

## **5.8 ★Progress of the Task Force on BIM Specifications and Agreement**

This starred paper presented for Members' information the progress of Task Force on BIM Specifications and Agreement, including the progress of the Task Group 1 on BIM Specifications and Task Group 2 on BIM Special Conditions of Contract & Services Agreement.

AF reported that the CIC Standard Exchange Information Requirements (EIR) Template prepared by the Task Group 1 on BIM Specifications will be released in December 2020.

Members received Paper \*CIC/BIM/P/027/20\* without comments.

[Post-meeting note: The CIC Standard EIR Template was published on the CIC BIM Portal on 31 December 2020.]

## **5.9 ★Progress Reports**

This starred paper presented for Members' information 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:

### **(a) Autodesk discount in subscription fees**

AHKK updated Members on Autodesk's special discount on their software licenses (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.

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[Post-meeting note: Members were invited to attend the first online session on Revit's roadmap on 13 January 2021.]

### **(b) Research project "BIM-based Rebar Design Optimisation and**

Prefabrication Automation”

CTY supplemented that the DEVB had identified some pilot projects for trial use of BIM technology for rebar prefabrication, and they would advise WD to use the plug-in software. mK indicated that he would also try to identify pilot MTR projects for use of the software developed.

[Post-meeting note: Paper CIC/BIM/P/032/20 regarding 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.]

(c) Migrate BIM Network members to i-Club

RPg 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 the industry stakeholders in a more effective way.

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[Post-meeting note: AF expressed her view that BIM Network members should be easily identified for ease of BIM coordination and consultations.]

(d) Consultancy services on the 3D and BIM data use case requirements of the construction industry for the development of Digital Hong Kong  
AHKK 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 further in a separate meeting.

Members received Paper \*CIC/BIM/P/028/20\* without comments.

*(FI left the meeting at 3:57pm)*

## **5.10 Sharing on the Deliverables of the TechConnect Fund Project**

This paper presented for Members’ information of the deliverables of the TechConnect Fund Project “Develop the Technology to Produce Plans for Statutory Submission from the Building Information Modelling (BIM)”.

Mr. Raymond KUNG and Mr. Samson WONG, representatives from the Independent Checking Unit and Building Information Technology Limited respectively, gave a presentation on the details and deliverables of this project.



After the presentation, AF suggested the CIC to organise a webinar and invite the presenters to give a sharing to the industry and BD.

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AF also suggested to include a link in the CIC BIM Portal for industry practitioners to access the project deliverables.

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Secretariat**

Members received Paper CIC/BIM/P/029/20 without further comments.

*(KWKw left the meeting at 4:26pm)*

[Post meeting note: The link to access the project deliverables was included in the CIC BIM Portal on 29 December 2020 ([https://www.bim.cic.hk/en/resources/publications\\_detail/81](https://www.bim.cic.hk/en/resources/publications_detail/81)).]

### **5.11 ★ Tentative Meeting Schedule for Year 2021**

This starred paper presented for Members' information the tentative meeting schedule for Year 2021.

Members received Paper \*CIC/BIM/P/030/20\* without comments.

### **5.12 Any Other Business**

#### **(a) BuildingSMART Professional Certification**

AF reported that the Hong Kong Alliance of Built Asset & 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.

#### **(b) Updates on DEVB Technical Circular (Works) on BIM**

CTY 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 relating to asset management, surveying of underground utilities, engineering analysis, 3D control and planning, etc., so as to further foster adoption of BIM technology in public works projects. 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 with

effect from 1 July 2021, 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.

(c) Hong Kong Construction Association (HKCA)’s comments on BIM Training

The CIC had received comments on BIM training from BWCB, on behalf of the HKCA, one day before the Com-BIM Meeting. The CIC would convey the relevant comments to the relevant Task Forces and parties to follow up.

**CIC  
Secretariat**

**5.13 Date of Next Meeting**

The next meeting would be scheduled for Tuesday, 30 March 2021 at 2:30 pm at the Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong.

**All to note**

There being no further business, the meeting was adjourned at 4:57pm.

**CIC Secretariat  
December 2020**