

**Construction Industry Council**

**Committee on Building Information Modelling**

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Meeting No. 001/20 of the Committee on Building Information Modelling (Com-BIM) was held on Tuesday, 7 January 2020 at 2:30pm at the Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong

Present	:	Ada FUNG	(AF)	Chairperson
		CHUNG Kwok-fai	(CKFi)	
		Ivan FU Chin-shing	(FI)	
		Thomas CHAN Tak-yeung	(CTY)	
		YU Sai-yen	(SYYu)	
		Kelvin WONG	(KWKw)	Airport Authority Hong Kong (AAHK)
		Karen CHENG	(KCKI)	Architectural Services Department (ArchSD)
		Clarice YU	(YPM)	Buildings Department (BD)
		Sammy NG	(SNTy)	bSHK
		Terence LAM Tat-ming	(TmL)	Civil Engineering and Development Department (CEDD)
		FUNG Siu-man	(SmF)	The Chinese University of Hong Kong (CUHK)
		Bernard WONG Lap-pong	(LPWg)	Drainage Services Department (DSD)
		Wong Sek-cheung	(WSCg)	Electrical and Mechanical Services Department (EMSD)
		Ray CHAN	(RyCn)	Hospital Authority (HA)
		Billy WONG	(BWCb)	The Hong Kong Construction Association (HKCA)
		Daniel CHONG Kwok-ming	(DCg)	The Hong Kong Federation of Electrical and Mechanical Contractors Limited (HKFEMC)
		Franki YEUNG	(FY)	Hong Kong Housing Society (HKHS)
		SO Ching	(CSO)	The Hong Kong Institute of Architects (HKIA)
		Kevin WONG	(KWg)	Hong Kong Institute of Building Information Modelling (HKIBIM)
		Sunny CHOI Shing-lam	(SLC)	The Hong Kong Institute of Surveyors (HKIS)

	Steve ROWLINSON	(SR)	The University of Hong Kong (HKU)
	Jack CHENG	(JCCp)	The Hong Kong University of Science and Technology (HKUST)
	HO Ka-chun	(KcH)	Highways Department (HyD)
	Miranda LUI	(MLCy)	Chartered Institution of Civil Engineering Surveyors (Hong Kong Region) (ICES(HK))
	Silas LIU	(SLKm)	Planning Department (PlanD)
	Eric POON Shun-wing	(EPSW)	Urban Renewal Authority (URA)
	Eric LIU	(ELSl)	Vocational Training Council (VTC)
	Andrew SIMPSON	(ASn)	West Kowloon Cultural District Authority (WKCDA)
	Ben LO	(YbL)	Water Supplies Department (WSD)
In Attendance :	Simon J GALLAGHER	(SJG)	Chartered Institute of Architectural Technologists (Hong Kong Centre) (CIAT)
	Steve CHAN	(CHY)	Electrical and Mechanical Services Department (EMSD)
	Terence KONG	(TKHw)	Independent Checking Unit, Housing Department (ICU)
	Albert CHENG	(CTN)	Executive Director
	Richard PANG	(RPg)	Director - Industry Development
	Alex HO	(AHKK)	Senior 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
	MOK Peng Lam	(PMk)	Principal – School of Professional Development in Construction
Apologies :	Stephen LAI Yuk-fai	(SLI)	
	Kenneth MO Kon-fei	(KM)	
	Bruce LAW	(BLw)	The Association of Architectural Practises (AAP)

Clement CHUNG	(CtCg)	The Association of Consulting Engineers of Hong Kong (ACEHK)
Benny CHOW Ka-ming	(BCw)	Hong Kong Green Building Council (HKGBC)
Andrew CHAN Ching-leung	(ACCI)	Hong Kong General Building Contractors Association (HKGBCA)
Edmund CHAN	(ECSc)	Hong Kong Housing Authority (HKHA)
Calvin FU Po-wa	(CFPw)	The Hong Kong Institution of Engineers (HKIE)
NG Chun-keung	(Nck)	Hong Kong Institute of Utilities Specialist (HKIUS)
Ben CHAN	(BCSb)	Lands Department (LandsD)
LI Heng	(HL)	The Hong Kong Polytechnic University (PolyU)
Keith YIM	(KYm)	Association of Consultant Quantity Surveyors (ACQS)
Marcin KLOCEK	(mK)	MTR Corporation Limited (MTRC)

## MINUTES

### Action

Before the meeting, AF reminded Members to declare conflict of interest if any.

### **1.1 Confirmation of the Minutes of Meeting No. 004/19 of the Com-BIM**

Members took note of the Paper CIC/BIM/M/004/19 and confirmed the Minutes of meeting No. 004/19 of the Com-BIM held on Tuesday, 10 December 2019.

### **1.2 Matters Arising from the Previous Meeting**

AHKK reported on the matters arising from the previous meeting as follows:

(a) To follow up with the five winners of the BIM adoption survey, CIC BIM department in collaboration with HKIC was preparing the notification letter which would serve as a redemption letter for a free BIM Manager course to the winners.

(b) Item 4.2 – Matters Arising from the Previous Meeting

To follow up with the institutions who had signed the Memorandum of Understanding (MOU) with CIC to collect their BIM-related research projects including Final Year Projects, thesis and dissertation for sharing on the BIM Portal, CIC had sent requests again on 2 January 2020 and would follow up on the returns. So far, CIC had received information from the City University of Hong Kong, the University of Hong Kong (Faculty of Architecture and Faculty of Engineering) and the Hong Kong Polytechnic University. AF suggested CIC Secretariat to upload these information on BIM Portal as soon as possible.

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*(See items 1.7 which was reported before 1.3)*

### **1.3 Progress of the Task Force on BIM Standards (TF-BS) (Phase 2)**

JCCp briefed Members on the paper CIC/BIM/P/001/20 and gave a presentation on the progress of the TF-BS (Phase 2).

“CIC BIM Standards for Preparation of Statutory Plan Submissions” was issued and uploaded to the CIC BIM Portal for reference on 31 December

2019. Work on preparation of the “BIM Guide for using BIM in generation of Mechanical, Electrical and Plumbing (MEP) digital drawings” and enhancement of the “CIC BIM Standards – General” were in progress.

Members took note of the progress of the TF-BS (Phase 2).

#### **1.4 Progress of the Task Force on BIM Training (TF-BT)**

SLC, on behalf of the Chairperson of the TF-BT, briefed Members on the paper CIC/BIM/P/002/20 regarding the progress of the TF-BT.

The Hong Kong Institute of Architects (HKIA) would offer a top-up BIM training course for their members in January 2020 while the Hong Kong Institute of Surveyors (HKIS) had signed a MOU with Vocational Training Council to arrange a BIM training course for quantity surveyors.

The Task Force Members had agreed that the top priorities in BIM training courses for practitioners are existing condition modelling, phase planning (4D modelling), as-built modelling, drawing generation (drawing production), and scripting or automation in BIM software.

In 2020, the Task Force Members agreed to focus on organising pilot courses on BIM uses, providing Train-the-Trainer courses with more local context, developing a BIM education framework for Higher Education with the MOU institutions, and liaising with the accreditation boards of the professional bodies to include BIM as one of their accreditation requirements.

Members took note of the progress of the TF-BT.

#### **1.5 Progress Report on the BIM Certification and Accreditation Scheme (BIMCAS)**

GWCK gave a presentation on the progress report on BIMCAS.

There were 176 CIC-Certified BIM Managers (CCBM) and 600 applications were being processed as of 31 December 2019. The passing rate was around 70%. Streamlined procedures had been approved for assessment of BIM Pro (HKIA) and BIM Pro as CCBM and for accreditation of BIM training courses offered by course providers with Learning Programme Accreditation and/or Programme Area Accreditation by the Hong Kong Council for Accreditation of Academic

and Vocational Qualifications. The Schemes for Certification of BIM Coordinators and Accreditation of BIM Coordinator Courses were planned to be launched in Q1 2020. Online application of CCBM using the BIM Portal had been launched in December 2019.

Some Members suggested to include the Hong Kong Institute of Planners and the Hong Kong Institute of Landscape Architects as CIC-recognised professional qualifications on top of the HKIA, the Hong Kong Institution of Engineers and HKIS. CKFi, the Chairperson of the BIM Certification and Accreditation Board (BIMCAB), said that Members were welcome to provide suggestions to CIC Secretariat and these would be passed to the BIMCAB for consideration.

Member suggested to report some statistics of the composition of CCBMs such as how many of them are in consultant company and how many are in education sector. CIC Secretariat would follow up.

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Members took note of the progress report of the BIMCAS.

*(CTN arrived the meeting at 3:02pm)*

*(MLCy left the meeting at 3:23pm)*

## **1.6 Progress Report on BIM by CIC**

AHKK gave a brief presentation on the progress report on BIM prepared by CIC from September to December 2019:

- (a) The BIM Talks on “Business Transformation with BIM” was held at the Hong Kong Jockey Club Amphitheatre, the Hong Kong Academy for Performing Arts on 10 October 2019 and attracted 391 participants. The upcoming BIM Talks were tentative scheduled to be held on 7 April and 7 July 2020.
- (b) The BIM Competition 2020 (Tertiary Students Category) Briefing and the BIM Technology Sharing Seminar were held at the CIC BIM Space on 26 October 2019 and attracted around 40 participants. Deadline for entry to the Competition is 1 March 2020.
- (c) An experience sharing session on BIM-related projects by Government departments was held at the CIC-ZCP on 14 October 2019 and attracted 105 participants. It was an extension of Com-BIM meeting having regard to the long agenda.
- (d) The Launching and Technical Seminar on BIM Standards for MEP

and for Underground Utilities was held at the CITAC on 11 November 2019 and attracted about 110 participants.

- (e) The second Asia Pacific Regional BIM Meeting was held on 16 December 2019 with around 30 attendees by invitation, one day before the International Conference on BIM.
- (f) The International Conference on BIM was held on 17 December 2019 and attracted around 630 participants. Survey results of the BIM adoption survey in Hong Kong were presented by AF. The final report would be uploaded to the BIM Portal.
- (g) The total number of visitors to the CIC BIM Space since its opening on 23 April 2019 was over 3,700 as of 31 December 2019.
- (h) The CIC had issued the tender for a consultancy study on the “3D and BIM data use case requirements of the construction industry for the development of a Digital Hong Kong”. The tender assessment was completed on 23 December 2019.

After the presentation, CTN encouraged Com-BIM Members to invite members from their organisations to visit the CIC BIM Space. In addition, a wider publicity on BIM nights was recommended to attract more people for networking and sharing of knowledge.

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CTN said that the second Asia Pacific Regional BIM Meeting was successful and it could enhance the status of Hong Kong on BIM in Asia Pacific region. He suggested to share the knowledge and experience we gained from other regional cities/ countries with the whole industry. CTN suggested to capture the essence of the International Conference on BIM and to upload all relevant information to the BIM Portal.

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CTN reminded that the consultancy study on the “3D and BIM data use case requirements of the Construction Industry for the development of a Digital Hong Kong” is an important one for implementation of digitalisation in the construction industry. AHKK supplemented that the consultancy study would be completed in seven months after commencement.

Members took note of the progress report on BIM prepared by CIC.

CTY briefly introduced a new Technical Circular (Works) issued by the Development Bureau on 20 December 2019. It aimed to extend the use of BIM required by Government Capital Works Projects. The Government hoped that by taking a lead, it would encourage the private sector to follow. He mentioned that financial subsidies were available under CITF

to support the adoption of BIM.

ASn, RyCn and KWkw updated Members on the progress of adoption of BIM in the West Kowloon Cultural District Authority, Hospital Authority and Airport Authority Hong Kong respectively.

*(SNTy and SmF left the meeting at 3:58pm)*

## **1.7 Formation of Task Force on BIM Specifications and Agreement (TF-BSA)**

AF briefed Members on the paper CIC/BIM/P/003/20 on the formation of the TF-BSA.

TF-BSA was formed primarily under the Com-BIM and supported by the Committee on Procurement to provide basic BIM specifications, requirements and contractual materials to facilitate construction industry in Hong Kong to adopt and implement BIM. TF-BSA would cover three major tasks, to be handled by three Task Groups, including “Task Group 1 on BIM Specifications”, “Task Group 2 on Special Conditions of Contract for BIM”, and “Task Group 3 on BIM Services Agreement”.

After deliberations, Members approved the proposed Terms of Reference and membership list of TF-BSA.

## **1.8 Any Other Business**

### **a) buildingSMART International Standards Summit 2019, Beijing**

AF and GWck reported that they attended the buildingSMART International Standards Summit 2019 held in Beijing from 28 to 31 October 2019. There were 27 delegates from Hong Kong. GWck gave a presentation on the Summit.

AF supplemented that the Hong Kong Chapter of buildingSMART International had been formed by the Hong Kong Alliance of Built Asset & Environment Information Management Associations and this was announced in the Summit. The next Summit would be held in Oslo, Norway from 23 to 26 March 2020. Members were encouraged to join.

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### **b) CIC-BIM Network**

AF expressed gratitude to Members for their contributions and support to the Com-BIM in the past years. The composition and membership of the new Com-BIM would be reduced to a maximum of 17 members which would be the same as the other CIC Committees.



On the other hand, a CIC-BIM Network would be formed to serve as a collaboration platform between CIC and industry stakeholders to disseminate and collect information on the development and continuous improvement of BIM in Hong Kong. It aimed to exchange latest BIM development and technology, collect the needs and demands on BIM training, research and development areas, etc. and motivate industry stakeholders to promote the adoption of BIM to members in their respective organisation/ association. Representatives from relevant stakeholders would be invited to join the CIC-BIM Network.

After deliberations, CTN agreed that in order to maintain momentum, a CIC-BIM Network involving key stakeholders should be formed, to tap contributions to the development of BIM in Hong Kong. He said that three fundamental principles should be followed, viz upholding the leadership status of Com-BIM, avoiding duplication of effort, and no two power centres in CIC. The CIC-BIM Network would be a working arm of Com-BIM. It would be a networking platform for sharing of knowledge and experience in an informal manner, just like the DfMA Alliance and the CITAC i-Club. AF agreed that the principles should be followed.

Lastly, CTN expressed appreciation to all Members for their contributions to Com-BIM in the past years.

*(FI left the meeting at 4:26pm)*  
*(SR left the meeting at 4:34pm)*  
*(BWCB left the meeting at 4:47pm)*

There being no further business, the meeting was adjourned at 4:55pm.

**CIC Secretariat**  
**January 2020**