

**Construction Industry Council**  
**Committee on Building Information Modelling**

Meeting No. 001/18 of the Committee on Building Information Modelling(Com-BIM) was held on Tuesday, 15 May 2018 at 2:30pm at Room C, 1804A, 18/F., Tower 1, Admiralty Centre, 18 Harcourt Road, Admiralty, Hong Kong MTR Admiralty Station.

Present:	Ada FUNG	(AF)	Chairperson
	Ivan FU Chin-sing	(CsF)	Council Member
	Stephen LAI	(SL)	Council Member
	Robert LAM	(RL)	Council Member
	Kenneth MO Kon-fei	(KM)	Council Member
	Vitus NG	(VN)	Council Member
	YU Sai-yen	(SyY)	Council Member
	Andrew CHAN	(AC)	Hong Kong General Building Contractors Association
	Benny CHAN Chak-bun	(CbC)	Hospital Authority
	Ben CHAN Siu-bun	(SbC)	Lands Department
	David CHAN	(DC)	The Association of Architectural Practices
	Edmund CHAN	(EC)	Hong Kong Housing Authority
	Isabelle CHAN	(IC)	The University of Hong Kong <i>(for Steve ROWLINSON)</i>
	Neo CHAN	(NC)	Hong Kong Institute of Building Information Modelling
	Jack CHENG	(JC)	The Hong Kong University of Science and Technology
	Karen CHENG	(KC)	Architectural Services Department
	Sunny CHOI	(SC)	The Hong Kong Institute of Surveyors
	Daniel CHONG Kwok- ming	(KmC)	The Hong Kong Federation of Electrical and Mechanical Contractors Limited
	Benny CHOW Ka-ming	(BC)	Hong Kong Green Building Council
	Clement CHUNG	(CC)	The Association of Consulting Engineers of Hong Kong
	Ernest FUNG Chi-man	(CmF)	Planning Department <i>(for LIU Kam-ming, Silas)</i>
	FUNG Siu-man	(SmF)	The Chinese University of Hong Kong
	Terrie HUNG	(TH)	Highways Department

	Kelvin KUO	(KK)	Chartered Institution of Civil Engineering Surveyors (Hong Kong Region) <i>(for Miranda LUI)</i>
	Terence LAM Tat-ming	(TmL)	Civil Engineering and Development Department
	Eric LIU	(EL)	Vocational Training Council
	Ben LO Yu-bun	(YbL)	Water Supplies Department
	Sammy NG	(SN)	buildingSMART Hong Kong
	NG Chun-keung	(CkN)	Hong Kong Institute of Utilities Specialist
	Eric POON	(EP)	Urban Renewal Authority
	Andrew SIMPSON	(AS)	West Kowloon Cultural District Authority
	SO Ching	(CS)	The Hong Kong Institute of Architects
	Kelvin WONG	(KW)	Airport Authority Hong Kong
	WONG Sek-cheung	(ScW)	Electrical and Mechanical Services Department
	WONG Sui-kan	(SkW)	Drainage Services Department
	Franki YEUNG	(FY)	Hong Kong Housing Society
	Clarice YU	(CY)	Buildings Department
In Attendance :	CHENG Ting-ning, Albert	(TnC)	Executive Director (CIC)
	Alex HO	(AH)	Senior Manager – Building Information Modelling (CIC)
	Dino SO	(DS)	Lecturer – Building Information Modelling (CIC)
	Chris WONG (Secretary)	(CW)	Senior Officer –Building Information Modelling (CIC)
	Evan MAK	(EM)	Officer –Building Information Modelling (CIC)
Apologies:	CHUNG Kwok-fai	(KfC)	Council Member
	Calvin FU	(CF)	The Hong Kong Institution of Engineers
	LI Heng	(HL)	The Hong Kong Polytechnic University
	Billy WONG	(BW)	The Hong Kong Construction Association

**PROGRESS REPORT**

**Action**

**1.1 Confirmation of the Progress Report of the Com-BIM Meeting No. 001/17 held on 21 November 2017**

Members took note of the Paper CIC/BIM/R/001/17.

Members raised no further comment. The progress report of the Com-BIM meeting No. 001/17 held on 21 November 2017 was endorsed.

**1.2 Matters Arising from the Previous Meeting**

Members took note of the Paper CIC/BIM/P/007/17.

Comments were received regarding the BIM Object Development Guide draft presented in the last Com-BIM meeting. CIC's Consultant presented the revised version to the Members.

Members raised no further comment. The BIM Object Development Guide was endorsed and would be published to the CIC's BIM website.

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**1.3 Progress Update of Recent BIM Activities by CIC**

AH presented Members the progress update of CIC's recent BIM activities.

From November 2017 to April 2018, the following activities have been organized:

**I. BIM Conference**

CIC's BIM Conference 2017 was held on 15 December 2017. Overseas speakers were invited to share their successful experience of BIM implementation. Over 200 attendees have attended the Conference.

**II. BIM-Asset Management(BIM-AM) Project at Zero Carbon Building (ZCB)**

The project to enable the implementation of BIM-AM technologies in ZCB was kicked-off since January 2018. With extensive knowledge in BIM-AM, the Electrical and Mechanical Services Department (EMSD) was engaged to implement the project.

Under the current scope of work, EMSD would build a BIM model that would suit the BIM-AM purpose and install necessary hardware in ZCB. As of April 2018, the architectural BIM model was built and user requirements were gathered from the user team.

### III. BIM Awareness Seminar and Workshop

Starting from January 2018, multiple BIM Awareness Seminars and Workshops have been organized to promote the awareness and understanding of the BIM technologies. Nine such events have been held from January to April 2018 with a total person-times of 463 recorded.

### IV. CIC's BIM Training

Based on the endorsed CIC's BIM Training Plan 2018 in the last meeting, types of BIM training courses and number of classes to be organized in 2018 were confirmed. During the period of January to April 2018, ten day-time courses and six part-time courses have been launched.

### V. MoU between CIC and Tertiary Education Institutes in Hong Kong

The CIC signed Memoranda of Understanding (MoU) on 12 April 2018 with four additional local higher education institutions to foster collaboration on development of BIM teaching courses. The total number of MoU signed are six as of April 2018.

### VI. BIM Talks

As one of the BIM promotion events in 2018, CIC's first BIM Talks would be held on 23 May 2018 at ZCB. BIM experts would be invited to share their successful implementation of BIM in real life projects on a wide range of topics with an aim to accelerate the BIM adoption in Hong Kong. Six speakers were invited for the 1<sup>st</sup> BIM Talks. The video of the BIM Talks would be made available on BIM Portal after the event.

### VII. BIM Portal

BIM Portal (<http://www.bim.cic.hk>), which is a dedicated website for BIM under CIC, was successfully launched on 30 April 2018. It would serve as a platform for sharing BIM related information with the local industry. It includes information such as CIC's BIM training, local BIM events, BIM standards and guidelines (local and

overseas) industry. Members were invited to provide any useful information to CIC for sharing with the industry. Members

#### 1.4 **Progress Report of Task Force on BIM Training**

Members took note of the Paper CIC/BIM/P/001/18.

CC briefed Members the progress of the Task Force on Training. After the establishment of the Task Force, three meetings have been held till April 2018. In the meetings, Members discussed and proposed a BIM Training Roadmap (Annex B) with timeline (Annex C) for Com-BIM to consider.

In the Roadmap, three types of BIM training were proposed as below:

1. BIM Products Training;
2. Discipline specific BIM Training;
3. Advanced BIM Training;

For products training, CIC is currently offering various brands of BIM software training for practitioners. The Task Force suggested CIC to offer more types of BIM software training and review the training demand regularly to ensure the effective use of resources.

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For discipline specific BIM training, the Task Force proposed the discipline specific training could be developed and organized by respective professional institute as they would be in the best position to understand their needs, and structure the BIM training to address their disciplines. Hence, the Task Force proposed Com-BIM to issue invitation letters to various professional institutes to consider this proposal. Members of Com-BIM supported this proposal.

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For advanced BIM training, apart from the BIM Management Training currently offering by CIC, other seminars of advanced BIM uses were suggested. BIM advanced applications would be organized in the form of seminar when subject experts are identified.

Members discussed about the accreditation of the BIM training courses in the market. TnC explained to Members that CIC has started exploring the feasibility of CIC as the accreditation body for BIM training courses in HK, and has been liaising with the relevant organization such as the Hong Kong Council for Accreditation of Academic and Vocational Qualifications (HKCAAVQ) to understand the details. Meanwhile, professional institutes of various disciplines e.g. HKIA was also considering offering BIM certification for their members.

Members raised no further comment. The proposed BIM Training Roadmap and its timeline were endorsed.

#### 1.5 **Progress Report of Task Force on Standard (Phase 2)**

Members took note of the Paper CIC/BIM/P/002/18.

JC briefed Members the progress of the Task Force on BIM Standards (Phase 2). After the establishment of the Task Force, two meetings have been held till April 2018. In the meetings, Members discussed and identified the types of BIM Standards that were in need by the market.

The following three types of BIM Standards were proposed by the Task Force:

1. Building Plan Submission;
2. Civil Engineering Discipline (Underground Utilities); and
3. E&M Engineering Discipline (for BIM Objects LOD 300 to 500).

For Building Plan Submission, the aim of the proposed Standards was to facilitate practitioners in using BIM technologies to submit various plans to the Buildings Department and other approving authorities. Since the Standards would be highly related to the requirements of the Buildings Department, the Task Force would work closely with the Buildings Department in developing the Standards.

For Civil Discipline (Underground Utilities), the aim of the proposed Standards was to supplement relevant BIM standards or guidelines related to the discipline.

For E&M Discipline (for BIM Objects LOD 300 to 500), the aim of the proposed Standards was to supplement the LOD definition of E&M's components in the CIC's published BIM Standards (Phase 1).

The proposed task and timeline are shown in Annex B. Members raised no further comment. The proposed development plan of BIM Standards (Phase 2) was endorsed.

## 1.6 **3-Year Strategic Plan**

Members took note of the Paper CIC/BIM/P/003/18.

AH briefed Members the proposed 3-Year Strategic Plan of the Com-BIM, covering the year of 2019 to 2022.

The objectives of proposed Plan include the followings:

1. Increase the adoption of BIM by the industry;
2. Train up the practitioners with knowledge of BIM;
3. Increase the skill level of BIM;
4. Widen the applications of BIM throughout the project life cycle

To achieve the above objectives, five focus areas and 21 initiatives were proposed in the Plan. The focus areas are highlighted below:

1. Building capacity and capability of BIM practitioners through training;
2. Increase the awareness and understanding of BIM through promotion;
3. Ensure data interoperability and facilitate data sharing through Standards and Guidelines; and
4. Widen the applications through research and development;
5. Establish CIC as Center of Excellence through industry collaboration.

Members raised no further comment. The proposed 3-Year Strategic Plan for Com-BIM was endorsed.

## 1.7 **Updates on Asia-Pacific Regional BIM Forum (cum Seminar) 2018**

AF briefed Members the updates on Asia-Pacific Regional BIM Forum (cum Seminar) 2018.

The arrangement of the event has been confirmed as follows:

### Day 1

Wednesday, 26 September 2018

Venue: New World Millennium Hong Kong Hotel

Time	Programme
AM	Overview of BIM development in various countries Sharing by government officials (Target 100 overseas guests)

	Panel Discussion
Noon	Lunch
PM	Cases studies on the implementation of BIM technology and experiences sharing by overseas counterparts (Target around 400 construction stakeholders)
	Panel Discussion
Evening	Welcome Dinner (Target 24 guests)

Day 2

Thursday, 27 September 2018

Venue: The Construction Innovation and Technology Application Centre (CITAC) or Zero Carbon Building (ZCB) of the CIC

Time	Programme
AM	Closed-door discussion by overseas counterparts on the way forward and work plan of BIM adoption (Target around 50 guests)
Noon	Lunch
PM	Visit to BIM Centres in Hong Kong (such as CIC, Hong Kong Housing Authority & Airport Authority Hong Kong)

Members were invited to attend the event.

Members

**1.8 Buildings Department's Implementation Plan for BIM and Electronic Submission Hub**

CY presented Members the Buildings Department's Implementation Plan for BIM and Electronic Submission Hub.

Members requested the implementation of Electronic Submission Hub (ESH) be completed earlier. A letter on behalf of Com-BIM would be prepared and addressed to DEVB to support earlier implementation of ESH.

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**1.9 HKIS' Updates on the Study of Contract Specification and SMM (QTO) for BIM**

Dr. Paul HO and SC from HKIS were invited to give a presentation on HKIS' updates on the study of contract specification and SMM(QTO) for BIM.



**1.10 Any Other Business**

**Vocational Training Council (VTC)**

EL introduced Members the BIM training courses currently offering by VTC. To increase the BIM training capacity, EL mentioned that it was possible for VTC to share its training facilities with CIC to conduct more BIM training.

**1.11 Next Meeting**

The 2<sup>nd</sup> meeting in 2018 would be held on Tuesday, 14 August 2018 at 3 pm at the Conference Room, 11/F Cheng Yu Tung Tower, The University of Hong Kong.

There being no further business, the meeting adjourned at 5:50 pm.

**CIC Secretariat**  
**May 2018**