

Construction Industry Council

Committee on Building Information Modelling

Meeting No. 003/21 of the Committee on Building Information Modelling (Com-BIM) was held on Thursday, 30 September 2021 at 9:00am at the Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong.

Present	: Ada FUNG Yin-suen	(AF)	Chairperson
	Antonio CHAN Chi-ming	(ACHAN)	
	Neo CHAN Kang-yuen	(NCKy)	
	Jack CHENG Chin-pang	(JCCp)	
	Clement CHUNG	(CtCg)	
	CHUNG Kwok-fai	(CKFi)	
	Francis LEUNG Chi-suen	(FLCs)	
	Eric POON Shun-wing	(EPSW)	
	Billy WONG Chi-pan	(BWCb)	
	Kelvin WONG Ka-wo	(KWKw)	
	Michael WONG Wai-lun	(MWWL)	
	Rosana WONG Wai-man	(RnWg)	
	Thomas CHAN Tak-yeung	(CTY)	Principal Assistant Secretary (Works) 3, Development Bureau
	Tommy TAM Wing-cheung	(WCT)	Assistant Director/Corporate Services, Buildings Department
In Attendance	: Rocky POON Lock-kee	(LKP)	Co-chairperson of Task Force on BIM Specifications and Agreement
	Marcin KLOCEK	(mK)	Chairperson of the Task Group 1 on BIM Specifications
	SO Ching	(CSO)	Co-Chairperson of the Task Group 2 on BIM Special Conditions of Contract & Services Agreement
	Richard PANG	(RPg)	Director - Industry Development
	Daniel SUEN	(DSn)	Director - Industry Development
	Alex HO	(AHKK)	Assistant Director - Industry Development

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	Stephen LEE	(SnLe)	Lecturer, School of Professional Development in Construction
	Sunny CHOI	(SLC)	Manager - Industry Development
	George WONG	(GWck)	Manager - Industry Development
	Serina LAU	(SLau)	Manager - Industry Development
	Lok FUNG	(LF)	Acting Manager - Industry Development
Apologies	: Donald CHOI Wun-hing	(DC)	
	Ivan FU Chin-shing	(FI)	
Presenters	: Samson WONG		Consultant (attended agenda item 3.3 only)
	David FUNG		Consultant (attended agenda item 3.4 only)

MINUTES

Action

Before the meeting, AF announced the retirement of RPg, Director-Industry Development, CIC, and expressed gratitude to his past support and contributions on Com-BIM. She welcomed his successor, DSn, to join the meeting.

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

3.1 Confirmation of Minutes of the Previous Meeting

Members took note of the Paper CIC/BIM/M/002/21 and confirmed the Minutes of Meeting No. 002/21 of the Com-BIM held on Tuesday, 29 June 2021.

3.2 Matters Arising from the Previous Meeting

Members received the progress report on matters arising from the previous meeting, circulated on 23 September 2021 and highlighted as follows, with no further comments:

Item 2.3 (b) on development of training course materials - CIC would continue to work with professional bodies and trade associations to offer advanced and specific training courses for their members. Courses included the “Certificate in BIM - Asset Management for EMSD Projects” as offered by the School of Professional Development in Construction (SPDC), with members of the Hong Kong Federation of Electrical & Mechanical Contractors Limited (HKFEMC) joined.

Item 2.3 (c) on conducting workshops for clients - Senior management and Members of the Diocesan Building and Development Commission visited the CIC BIM Space and participated in the hands-on BIM workshop on 28 August 2021, expressing appreciation to CIC for promoting BIM adoption. They suggested CIC to provide the training materials online as well as the contents that were displayed in CIC BIM Space.

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Item 2.3 (e) on alignment of Common Data Environment (CDE) - CIC was reviewing the Common Data Environment solutions in the market and would prepare a publication for the reference to the industry.

Item 2.3 (f) on BIM adoption survey - Feedback from novice BIM users on visiting BIM Space has been collected continuously.

Item 2.4 on the Task Force on BIM Standards - CIC targeted to update the CIC BIM Dictionary in Q4 2021.

Item 2.5 on the Task Force on BIM Training - CIC would continue to promote free openBIM events to CIC-Certified BIM Managers (CCBMs), CIC-Certified BIM Coordinators (CCBCs) and CIC-BIM Network Members by email and to public via the CIC BIM Portal.

3.3 Summary Report of the “BIM-Automation of Gross Floor Area (GFA) Calculation, Fire Safety and Prescribed Checking for General Building Plans (GBP) Preparation” Research Project

(Mr. Samson WONG attended the meeting at this juncture)

Members took note of Paper CIC/BIM/P/018/21.

Mr. Samson WONG, the Consultant, was invited to present findings and deliverables under the “BIM-Automation of GFA Calculation, Fire Safety and Prescribed Checking for GBP Preparation” research project.

Upon Members’ enquiry, Mr. Samson WONG advised that the research project should be dovetailed with his consultancy study jointly commissioned by the Lands Department (LandsD) and the Buildings Department (BD), as the latter was focusing on compliance checking whilst the former was for preparation of submissions. The scope of latter study also covered area calculation for checking by LandsD.

Members suggested to promote the research deliverable (the “tool”) to all industry stakeholders and students in addition to the Hong Kong Institute of Architects and Authorised Persons. Some Members also suggested the Consultant to consider providing Application Programming Interface (API) for the core technologies to users for customisation towards individual needs. Moreover, CIC would request the developer to submit the tool to Construction Innovation and Technology Fund (CITF) for inclusion into the CITF pre-approved list.

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(Mr. Samson WONG left the meeting at this juncture)

Members approved the extension of time (EoT) and granted in-principle approval to the summary report of the “BIM-Automation of GFA Calculation, Fire Safety and Prescribed Checking for GBP Preparation” research project.

(CKFi left the meeting at 10:23am)

3.4 Extension of Time of the BIM Guide for BIM in Generation of Mechanical, Electrical and Plumbing (MEP) Digital Drawings for Statutory Submissions

(Mr. David FUNG attended the meeting at this juncture)

Members took note of Paper CIC/ BIM/P/019/21.

Mr. David FUNG, the Consultant, was invited to present the project progress in developing the BIM Guide for BIM in Generation of MEP Digital Drawings for Statutory Submissions, including elaboration on requested EoT.

LKP suggested CIC to coordinate with the HKFEMC in organising a briefing session for their BIM Committee Members after completion of the BIM Guide. In addition to the planned hands-on training workshops,

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some Members suggested to develop online training materials for more flexible acquisition by practitioners.

(Mr. David FUNG left the meeting at this juncture)

Members approved the EoT for the project in developing the BIM Guide for BIM in Generation of MEP Digital Drawings for Statutory Submissions to 26 November 2021.

(EPSW left the meeting at 10:56am)

3.5 Progress of the Task Force on BIM Standards

Members took note of Paper CIC/BIM/P/020/21.

JCCp, Chairperson of the Task Force on BIM Standards (TF-BS), updated Members on the progress of the TF-BS and highlighted the following items:

- (a) The updated membership of the Task Force (Paper CIC/BIM/P/013/21) was approved by the Com-BIM on 13 August 2021 through circulation to Members.
- (b) The updated version on the CIC BIM Standards for Preparation of Statutory Plan Submissions was targeted to be completed in Q4 2021.
- (c) The deliverables of the variation order and revised version of the CIC BIM Standards – General (Version 2 – December 2020) (Paper CIC/BIM/P/015/21) were approved by the Com-BIM on 10 September 2021 via circulation.
- (d) The updated version of the CIC BIM Dictionary was targeted to be completed by Q4 2021 to include new terminologies and abbreviations from the latest CIC BIM Standards. Chinese translation of the terminologies would also be added.
- (e) CIC BIM for Asset Management (AM) and Facility Management (FM) Case Sharing was targeted to be completed in Q4 2021.

AF suggested to promote the “BIM-Automation of GFA Calculation, Fire Safety and Prescribed Checking for GBP Preparation” research project to the Members of the Task Force on BIM Submissions to the BD after the launch.

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LKP informed Members that the Electrical and Mechanical Services

Department (EMSD) would publish BIM-AM Standards and Guidelines (Version 3.0) in Q4 2021. AF suggested TF-BS to keep track on the development with EMSD.

3.6 Progress of the Task Force on BIM Training

Members took note of Paper CIC/BIM/P/021/21.

The updated membership (Paper CIC/BIM/P/013/21) was approved by the Com-BIM on 13 August 2021 via circulation. CtCg, Chairperson of the Task Force on BIM Training, requested FLCs to encourage more BIM training through the Hong Kong Institution of Engineers.

FLCs

GWCK, Manager-Industry Development, reported that the paper of the teaching and learning kit for BIM viewer training (Paper CIC/BIM/P/025/21) was circulated to the Com-BIM Members for approval on 28 September 2021. “Ms. Batty YAU” as indicated in the second row of paragraph 3.1 in the paper should read “Ms. Batty YAM”. Both English and Chinese versions were targeted for launching in October 2021. Two training courses on Train-the-trainer for BIM viewers have been promoted to CCBMs and CCBCs.

Members suggested to clearly define the purpose, learning outcome and ways to use the kit as teaching / self-learning materials in the BIM portal. ACHAN suggested CIC to invite HKFEMC members to use the kit.

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3.7 ★Progress of the Task Force on BIM Specifications and Agreement

Members took note of Paper *CIC/BIM/P/022/21*.

The progress of Task Force on BIM Specifications and Agreement was presented under the starred paper, including the progress of the Task Group 1 on BIM Specifications and Task Group 2 on BIM Special Conditions of Contract & Services Agreement.

AF stated that “17 September 2021” as indicated in the sixth row on page C161 of the paper should read “1 September 2021” and that the last sentence of paragraph 3.1 (a) should read as “The EIR Template had been approved in principle by the Com-BIM on 28 September 2021 via circulation”.

AF updated Members that the CIC BIM Special Conditions of Contract and CIC BIM Services Agreement were approved by the Committee on Construction Business Development (Com-CBD) on 2 September 2021,

as the consultancy study was funded and commissioned by the Com-CBD.

3.8 Progress of the Task Force on BIM Submissions to the Buildings Department

Members took note of Paper CIC/BIM/P/023/21.

AF suggested CIC to facilitate BD's acceptance of BIM submissions from the industry by inviting interested Com-BIM Members to attend the next meeting of the Task Force on BIM Submissions to the BD.

**Task Force
on BIM
Submissions
to the BD**

Some Members suggested BD to make reference to Mainland China's implementation of BIM submissions.

Members suggested to have further deliberation on the subject separately in view of the current professional practice, concerns on liability, industry practice and cultural differences between Hong Kong and Mainland China.

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(LKP, KWKw, RPg, DSn left the meeting at 11:30am)

(mK left the meeting at 11:45am)

(ACHAN left the meeting at 11:48am)

(JCCp left the meeting at 12:00noon)

(NCKy, BWCb, MWWL, CtCg left the meeting at 12:07pm)

(FLCs left the meeting at 12:13pm)

(RnWg left the meeting at 12:18pm)

3.9 Update on Progress Reports

Members took note of Paper CIC/BIM/P/024/21 regarding progress report on the BIM Certification and Accreditation Schemes, progress updates of the Construction Digitalisation Department (including key events/projects in the coming months), and status summary on all the ongoing consultancies and research projects under the Com-BIM.

3.10 Brainstorming Session

The brainstorming session was discussed in the pre-meeting held on 29 September 2021. Members offered comments on the BIM-related personnel resources monitoring and supply, and the teaching and learning kit for BIM viewer training. Members suggested CIC to offer BIM training for different levels of frontline personnel, and deliver such

training by digital media as well as physical training.

3.11 Any Other Business

CTY reported that the Development Bureau (DEVB) was exploring the inclusion of BIM as contractual documents under their contracts. DEVB would initiate some pilot projects next year and would arrange consultation with the industry. Com-BIM Members would be invited to further discuss on this matter.

CTY

3.12 Date of Next Meeting

The next meeting was scheduled for 14 December 2021 (Tuesday) 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 12:22pm.

**CIC Secretariat
September 2021**