

Construction Industry Council

Committee on Building Information Modelling

Meeting No. 001/21 of the Committee on Building Information Modelling (Com-BIM) was held on Tuesday, 30 March 2021 at 2:30pm at the Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong and through web meeting.

Summary Notes of the Com-BIM Meeting No. 001/21:

Agenda Item	Paper	Major Resolutions/ Progress Highlights
		Before the meeting, Ar. Ada FUNG, Chairperson of the Com-BIM, welcomed Ir Antonio CHAN Chi-ming, a new member of the Com-BIM.
1.1	CIC/BIM/M/005/20	Confirmation of the Minutes of Com-BIM Meeting No. 005/20 Members confirmed the Minutes of the meeting held on 15 December 2020.
1.2	CIC/BIM/M/005/20	Matters Arising from the Previous Meeting Members received the progress report on matters arising from the Meeting No. 005/20 of the Com-BIM by circulation on 23 March 2021. No comments were received. Highlights of matters arising from the previous meeting are given below: Item 5.5 – A CIC webinar on “BIM - Introduction of CIC BIM Standards - General (Version 2 - December 2020)” was held on 10 February 2021. Simple guidelines with a PowerPoint

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		<p>explanation were provided to facilitate readers/practitioners to get started with use of this new version. A one-day comprehensive training would be arranged in May 2021.</p> <p>Item 5.6 – It was agreed that the CIC should review and update the “CIC BIM Standards for Mechanical, Electrical and Plumbing”, “CIC BIM Standards for Underground Utilities” and “CIC Production of BIM Object Guide - General Requirements” in 2021 to align them with the CIC BIM Standards - General (Version 2 - December 2020) and ISO 19650.</p> <p>Item 5.9(d) – One additional consolidated use case namely “Preliminary design for building (including alterations and additions works) and civil engineering projects” identified in the “Consultancy Services on the 3D and BIM Data Use Case Requirements of the Construction Industry for the Development of Digital Hong Kong” was agreed by the Project Working Group, and then approved by the Project Steering Group and the Project Committee in February 2021. The CIC Secretariat would arrange to complete the study accordingly.</p> <p>Item 5.12 – A meeting was held on 11 March 2021 with representatives from the Hong Kong Construction Association (HKCA), the Task Force on BIM Training and the Task Force on BIM Standards, to discuss the comments and suggestions from the HKCA. The CIC Secretariat would further discuss with the HKCA on some aspects and provide a response.</p>
1.3	*CIC/BIM/P/001/21* (for information)	<p>★Progress of the Task Force on BIM Standards</p> <p>Members took note of the progress of the Task Force on BIM Standards. Dr. Jack CHENG supplemented that there would be minor revision on the CIC BIM Standards for Mechanical, Electrical and Plumbing and CIC BIM Standards for Underground Utilities, which were published in 2019, to align them with ISO 19650 requirements.</p>

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1.4	CIC/BIM/P/002/21 (for information)	<p>Progress of the Task Force on BIM Training</p> <p>Members took note of the progress of the Task Force on BIM Training. Mr. Alex HO informed Members that online video training (with quiz) on the new CIC BIM Standards - General (in line with ISO 19650) would be provided to the industry. Also, the CIC would request the CIC-Certified BIM Managers (CCBMs) and CIC-Certified BIM Coordinators to take the course, and require the accredited course providers to incorporate the new CIC BIM Standards into their training courses.</p>
1.5	*CIC/BIM/P/003/21* (for information)	<p>★Progress of the Task Force on BIM Specifications and Agreement</p> <p>Members took note of the progress of the Task Force on BIM Specifications and Agreement (TF-BSA). Ar. Ada FUNG reported that the CIC BIM Exchange Information Requirements (EIR) Template (BIM Specifications) was published in December 2020, and a webinar was conducted to explain the EIR Template in detail on 24 February 2021. Ar. Ada FUNG also reported that the deliverables of the Special Conditions of Contract (SCC) for BIM and BIM Services Agreement would be deferred by a quarter, so as to align the SCC for BIM and BIM Services Agreement with the CIC BIM Standards - General (Version 2 - December 2020).</p>

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1.6	CIC/BIM/P/004/21 (for information)	<p>Progress of the Task Force on BIM Submissions to the Buildings Department</p> <p>Members took note of the progress of the Task Force on BIM Submissions to the Buildings Department. Mr. Alex HO gave a PowerPoint presentation on preliminary ideas on the work to increase BIM submissions to the Buildings Department and Lands Department, and the related information obtained from the Singapore Building and Construction Authority.</p>
1.7	CIC/BIM/P/005/21 (for information)	<p>Progress Reports</p> <p>Members took note of the progress reports on the BIM Certification and Accreditation Schemes, progress updates of the BIM Department’s Business Plan 2021 (including key events/ projects in coming months), and ongoing consultancies and research projects under the Com-BIM. The following supplementary information was presented to Members:</p> <p><u>Com-BIM Retreat</u></p> <p>Ir Albert CHENG informed Members that the CIC Secretariat would organise a Retreat for the Com-BIM Members to carry out brainstorming for the 3-year Strategic Plan on BIM. He encouraged all Members to join.</p> <p>[Post-meeting note: The Retreat had been held in the morning of 17 April 2021.]</p>
1.8		<p>Any Other Business</p> <p>(a) <u>Green Finance</u></p> <p>Mr. Ivan FU suggested the CIC to explore the application of BIM in relation to the implementation of the Carbon Assessment Tool (CAT). He suggested to start a small</p>

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		<p>pilot project using BIM and CAT to assess the carbon emission level. Ar. Ada FUNG commented that demonstration of green construction practice with key performance indicators should help businesses to seek green finance, and these initiatives should dovetail with Government’s policy of decarbonisation, achieving net zero by 2050.</p> <p>(b) <u>Survey on Common Data Environment (CDE)</u> Mr. Sunny CHOI gave a sharing on the survey results on CDE in Hong Kong. After the presentation, Ar. Ada FUNG suggested to provide more information and guidance on CDE.</p> <p>(c) <u>Change in Membership of the TF-BSA</u> The Term of Office of the TF-BSA would end in April 2021. As the project would likely be extended for a few months beyond April, it was proposed to extend the Term of Office of the TF-BSA to 31 January 2022 to align with the Com-BIM’s Term of Office. The number of members was also proposed to be reduced to a maximum of 12 to align with the modus operandi of the Task Forces of the CIC. In addition, Ar. Ada FUNG invited the Development Bureau to send a representative to sit in the Task Force meetings.</p> <p>Members approved in principle the proposed Membership and Term of Office of the TF-BSA. The approved Membership and Term of Office is appended at the Annex.</p> <p>[Post-meeting note: Mr. Thomas CHAN nominated Mr. Kennis WAN to sit in the TF-BSA meetings.]</p>

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		<p>(d) <u>“BIM-based Rebar Design Optimisation and Prefabrication Automation” Plug-in Software</u> Dr. Jack CHENG updated Members that the CIC Secretariat had been working with the MTR to identify pilot MTR projects for the use of the plug-in software developed in the research project supported by the CIC Research and Technology Development Fund. Further details would be discussed in the meeting scheduled on 31 March 2021.</p> <p>(e) <u>CCBM</u> Ar. Marcin KLOCEK and Dr. Jack CHENG quoted an example where a BIM practitioner with many years of working experience could not meet the CCBM entry requirements and suggested the CIC to re-consider the qualification requirements of CCBM. The CIC explained that the BIM Certification and Accreditation Board (BIMCAB) had thoroughly considered the CCBM entry requirements and launched three application routes – the normal route, the grandfathering route and the special route. The above suggestion received would be drawn to the attention of the BIMCAB.</p>

Remarks: The mentioned papers discussed at the Committee on Building Information Modelling No. 001/21 and/or 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 Specifications and Agreement****Membership List**

(Term of Office: 23 April 2021 - 31 January 2022)

	Name	Representing Organisation/ Remarks
1.	Ada FUNG Yin-suen (Co-chairperson)	Chairperson of the Committee on BIM
2.	Rocky POON (Co-chairperson)	Chairperson of the Committee on Construction Business Development
3.	Clement CHUNG	The Association of Consulting Engineers of Hong Kong/ Chairperson of the Task Force on BIM Training
4.	David FUNG	The Hong Kong Institute of Architects
5.	Marcin KLOCEK	MTR Corporation Limited/ Chairperson of the Task Group 1 on BIM Specifications
6.	Raymond KONG	The Hong Kong Institute of Surveyors
7.	Francis LEUNG	The Hong Kong Institution of Engineers
8.	SO Ching	The Hong Kong Institute of Architects/ Co-Chairperson of the Task Group 2 on BIM Special Conditions of Contract & Services Agreement
9.	Billy WONG	The Hong Kong Construction Association
10.	Eliza WONG	Real Estate Developers Association of Hong Kong
11.	Kelvin WONG	Airport Authority Hong Kong/ Co-Chairperson of the Task Group 2 on BIM Special Conditions of Contract & Services Agreement
12.	Kevin WONG	Hong Kong Institute of Building Information Modelling

In attendance (as-needed basis)

	Name	Representing Organisation/ Remarks
1.	Jack CHENG	Chairperson of Task Force on BIM Standards
2.	Kennis WAN	Development Bureau