

**Construction Industry Council**

**Committee on Building Information Modelling**

Meeting No. 001/22 of the Committee on Building Information Modelling (Com-BIM) was held on Tuesday, 29 March 2022 at 2:30pm through video conference (Microsoft Teams).

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Summary Notes of the Com-BIM Meeting No. 001/22:

<b>Agenda Item</b>	<b>Paper</b>	<b>Major Resolutions/ Progress Highlights</b>
		Ar. Prof. Ada FUNG, Com-BIM Chairperson, welcomed Ir Thomas HO, CIC Chairman and Mr. Roger WONG, Deputy Secretary for Development (Works)2, Development Bureau (DEVB) to attend the meeting.
1.1	CIC/BIM/P/003/22 (for information)	<b>Introduction of Committee on BIM and Its Task Forces</b> Ar. Prof. Ada FUNG reported that the reappointment period of Chairperson and Members of the Com-BIM would be from 1 February 2022 to 31 January 2023. Since the BIM Department of the CIC has changed its name to the Construction Digitalisation Department, she enquired whether it would also be necessary for Com-BIM to change its name to the “Committee on BIM and Construction Digitalisation”. Ir Dr. George WONG, Senior Manager-Industry Development, stated that the Task Force on Construction Digitalisation is under the CITAC Management Board. The CIC Secretariat would discuss internally and report later.
1.2	CIC/BIM/M/004/21	<b>Confirmation of Minutes of the Previous Meeting</b> Members confirmed the Minutes of the meeting held on 14 December 2021.
1.3	CIC/BIM/M/004/21	<b>Matters Arising from the Previous Meeting</b> Members received the progress report on matters arising from the previous meeting, circulated on

	<p>22 March 2022 and highlighted as follows, with no further comments:</p> <p>Item 4.3 on revisiting the submission guidelines of the CIC Research and Technology Development (R&amp;D) Fund and providing potential applicants with the CIC roadmap(s)/ directions for their preparation of proposals - the R&amp;D submission guidelines and the suggested R&amp;D topic/ areas had been reviewed together with the Construction Productivity Department which is the contact point of R&amp;D applications, immediately after the last Com-BIM meeting. The revised suggested R&amp;D topics/ areas had been disseminated to potential applicants.</p> <p>Item 4.5 on mentioning the BIM Harmonisation Guidelines incorporated with the CIC BIM Standards in a Technical Circular to be issued in December 2021 – DEVB issued its Technical Circular (Works) No. 2/2021 in December 2021 to update the policy and requirements on the adoption of BIM technology. Paragraph 19 of the Circular states that for all technical and fee proposals of consultancy agreements or construction works tenders with BIM adoption to be invited on or after 1 January 2022, Works Departments should ensure that the design and as-built BIM models are prepared in accordance with the DEVB BIM Harmonisation Guidelines, which have also been aligned with the CIC BIM Standards.</p> <p>Item 4.8 on establishing register of BIM personnel for monitoring the demand and supply in CIC-Certified BIM Managers (CCBMs) and CIC-Certified BIM Coordinators (CCBCs), BIM modellers and BIM viewers, and keep tracking of the training seats provided by the training service providers - the BIM Certification and Accreditation Board (BIMCAB) Secretariat had requested each accredited course provider to provide statistics of the participants quarterly. Furthermore, the course providers would provide their estimated annual volume of training seats to the BIMCAB Secretariat for monitoring purpose.</p> <p>Item 4.9 on keep tracking of projects using the CIC BIM publications as a pilot - a questionnaire incorporated comments from the Task Force on BIM Standards (TF-BS) was sent to industry stakeholders on 17 March 2022 to collect the views and status of adopting CIC BIM Standards by 31 March 2022. The CIC Secretariat would report the progress after consolidating the information.</p>
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1.4	CIC/BIM/P/004/22 (for approval)	<p><b>Issuance of the Reference Materials - Standard Rebar Shape Codes for Offsite Prefabrication</b> Members agreed to remove the diagrams depicting those standard shapes from BS8666 in Appendix A of the Reference Materials to avoid copyright and update of BS8666 issue. The CIC Secretariat would further check and confirm the version of BS8666 to be referenced with the approved rebar prefabrication yards.</p> <p>Ar. Prof. Ada FUNG opined that the Reference Materials should be refined to identify its status in the overall framework of the CIC BIM Standards and Guidelines, and added a statement to state what CCBM &amp; CCBC should observe, and when would the common rebar software, e.g. Tekla and Revit be able to incorporate this set of rebar shape codes.</p> <p>Subject to further refinements of the Reference Materials and subsequent endorsement by the TF-BS, the Reference Materials would be circulated to the Com-BIM Members again for approval.</p>
1.5	CIC/BIM/P/005/22 (for information)	<p><b>Update on Progress Reports</b> (a) <u>BIM Certification and Accreditation Schemes</u> Ir Thomas HO stated that the industry has serious concern on the lack of BIM personnel. He opined that the BIMCAB Secretariat should understand the market demand of CCBM and CCBC, and the shortage of each discipline for dynamic assessment. Com-BIM should also suggest the ways to accelerate more BIM personnel to bridge the gap.</p> <p>Ar. Prof. Ada FUNG opined that the CIC should discuss with related associations, such as Hong Kong Construction Association (HKCA), Hong Kong Federation of Electrical and Mechanical Contractors Limited (HKFEMC), and encourage these organisations to organise their own training programmes. Ir Thomas HO furthered that the CIC could organise collaborative schemes with organisations, such as HKCA, Hong Kong Institution of Engineers (HKIE) and other consultants as they best understand the training requirements of their organisations. The CIC could instead play an auditing role to ensure their trainings meet the CIC's requirements.</p>

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		<p>Mr. Thomas CHAN opined that professional bodies, such as HKIE, could explore including BIM training in their training schemes. Companies could explore providing on-the-job training schemes to graduates from related Higher Diploma programmes in Vocational Training Council (VTC), and train them on BIM projects to arouse their interest in entering the industry.</p> <p>(b) <u>Celebration of BIM Achievement (CBA) 2022</u>            Ir Thomas HO opined that the CBA 2022 should focus on tangible benefits, and cover not just design but also commissioning and operation that act as management tool. He also suggested to have overall top three awards or “Best of the Best” among all categories instead of having too many awards. The CIC Secretariat would discuss with the Organising Committee for consideration. For the supporting organisations, the CIC Secretariat would further invite interior and curtain wall contractors organisations as suggested by Ir Thomas HO.</p>
1.6	CIC/BIM/P/006/22 (for information)	<p><b>Progress of the Construction Digitalisation Roadmap</b>            Com-BIM agreed to drive four Digital Application Areas (DA), namely DA1, DA2, DA3 and DA6 of the Construction Digitalisation Roadmap (CDR). Ir Thomas HO opined that the planned and follow-up action items should include tangible KPIs, such as achievements in year 2024. For the smart data sharing (DA1), he suggested developing a Common Data Environment (CDE) roadmap to estimate the number of projects using CDE.</p> <p>Ir Thomas HO stated that the implementation of the “BIM-Automation of GFA Calculation, Fire Safety and Prescribed Checking for GBP Preparation” research project was successful. He expected Com-BIM to identify more BIM-related automation tools to accelerate BIM submission process.</p> <p>Ar. Prof. Ada FUNG opined that the CIC should provide milestone of action items and conduct a BIM adoption survey and a digitalisation survey to track the progress of CDR. She suggested forming a special Task Force/ Task Group to follow up on DA1 and DA6 where necessary and</p>

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		appropriate.
1.7	CIC/BIM/P/007/22 (for information)	<p><b>Progress of the Task Force on BIM Standards</b> Members took note of the progress of the Task Force on BIM Standards.</p> <p>Prof. Jack CHENG, Chairperson of the Task Force on BIM Standards (TF-BS), reported the TF-BS would update the rebar template in the “CIC BIM Standards for Preparation of Statutory Plan Submissions”. Refinement of the CDE Guide incorporated comments from TF-BS would be circulated to TF-BS again for endorsement and then to Com-BIM for approval.</p>
1.8	CIC/BIM/P/008/22 (for information)	<p><b>Progress of the Task Force on BIM Training</b> Members took note of the progress of the Task Force on BIM Training.</p> <p>In response to the BIM training plan for Works Departments, Mr. Thomas CHAN stated that DEVB monitored BIM training progress in Works Departments continuously. He would suggest discussing BIM training plans of Works Departments at the next DEVB’s BIM Steering Committee meeting.</p>
1.9	CIC/BIM/P/009/22 (for information)	<p><b>Progress of the Task Force on BIM Submissions to the Buildings Department</b> Members took note of the progress of the Task Force on BIM Submissions to the Buildings Department.</p>
1.10		<p><b>Sharing of BIM Harmonisation by Lands Department</b> Ar. Prof. Ada FUNG reported that the description of this agenda item should read as “Sharing of Introduction to Building Plan Checking Tools for BIM Submission by Lands Department”.</p> <p>After Mr. Nelson YAM, Senior Land Surveyor/BIM, Lands Department (LandsD) gave a presentation, Ar. Prof. Ada FUNG advised the CIC Secretariat to source some ArchiCAD sample models for LandsD.</p>

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1.11		<b>Any Other Business</b> No other business was raised in the meeting.

*Remarks: The mentioned papers discussed at the Committee on Building Information Modelling and/or the full meeting minutes can be made available to Council Members from the CIC Secretariat upon request.*