Construction Industry Council

Committee on Building Information Modelling and Construction Digitalisation

Meeting No. 003/23 of the Committee on Building Information Modelling and Construction Digitalisation (Com-BIM & CD) was held on Tuesday, 26 September 2023 at 2:30pm at Board Room, 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong and through video conference (Microsoft Teams).

Summary Notes of the Com-BIM & CD Meeting No. 003/23:

Agenda Item	Paper	Major Resolutions/ Progress Highlights
3.1	CIC/BIM/M/002/23	**Confirmation of Minutes of the Previous Meeting** Members confirmed the Minutes of the meeting held on 27 June 2023.
3.2	CIC/BIM/M/002/23	**Matters Arising from the Previous Meeting** Members received the progress report on matters arising from the previous meeting, circulated on 19 September 2023 with no further comments: Item 2.8 on the Progress report on the BIM Certification and Accreditation (BIMCAS) Sr Y.Y. YIP mentioned that the practitioners were reluctant to submit their applications for CIC-Certified BIM Manager (CCBM) / CIC-Certified BIM Coordinator (CCBC) because the application forms and documents required for submission were complicated. Prof. Jack CHENG suggested the BIMCAB Secretariat to review the application documents and optimise the application procedures. Item 2.11 on the Progress of the Task Force on BIM Submissions to the Buildings Department (TF-BSBD)

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		The CIC Secretariat would organise a webinar with the Buildings Department (BD) on introducing the "Guidelines for using Building Information Modelling in Statutory Plan Submissions (other than General Building Plan) 2023" by the end of 2023. Ms. Karen CHEUNG supported the arrangement and recommended the CIC to invite the consultants involved to share the ideas and methodology in generating objects and sample models to the industry practitioners.
3.3	CIC/BIM/P/025/23 (for approval)	**Applications for the CIC Research and Technology Development Fund** A presentation session on the research proposals applications was organised to Members on 25 September 2023. Upon deliberations, Members approved the following two research proposal applications: (a) Custom API for Efficient Data Transfer between ETABS/SAP2000 and Revit in Hong Kong (b) Geotechnical Data 3D Visualisation Having regard to the nature of the research project, Members disapproved the following research proposal application submitted via the KPI Improvement Project Scheme (KPIS): (a) Assessing KPI for BIM: The Development of New Auditing Platform for CDE Members were concerned about the accreditation of the CDE auditing standard and ownership of Intellectual Property (IP) right of the auditing platform. And the description of the check items in the proposal are very general, it is not a good timing for developing a CDE auditing platform. Members agreed with the CIC Secretariat's decision of not recommending the following

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		research proposal application: (a) <u>Development of BIM-API for Enhanced CSD and CBWD Generation Efficiency and Accuracy</u> Upon deliberations, Members commented on the research proposal. The applicant was suggested to address to Members' comment and update the research proposal for Members' consideration in the next Com-BIM & CD Meeting: (a) <u>Construction Progress Monitoring Using Laser Scanning and BIM Technology</u> Members were concerned that the proposal does not include building services elements and there are similar products in the market. Clarification on the maintenance plan should be made with the research team.
3.4	CIC/BIM/P/026/23 (for information)	**Progress Reports on the Committee on Building Information Modelling and Construction Digitalisation** Members took note of the progress report on 2023 Major KPIs, 2023 actual expenditure vs budget and proposed 2024 Major KPIs. Ir Dr. George WONG briefed Members on the updated proposed 2024 Major KPIs. Mr. Alex HO highlighted that the CIC would organise the "CIC Global Construction Digitalisation Forum and Exhibition 2024" in December 2024. The proposal would be submitted to the Council Meeting for approval. Members suggested to extend invitations to global countries for participating in the event. The CIC Secretariat would consider to organise events and workshops to deepen the practitioners' knowledge on different construction digitalisation pillars. Prof. Jack CHENG welcomed Members to provide valuable advice on the theme of the BIM

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		(and CD) Year 2024 and encouraged Members to participate in the events.
3.5	CIC/BIM/P/027/23 (for information)	**Progress Updates of the Construction Digitalisation Department (including key events/ projects in coming months)** Members took note of the progress updates of the Construction Digitalisation Department (including key events/ projects in coming months). Ir Dr. George WONG highlighted that the CIC BIM Space had been transformed to the Digital Twin (DT) Hub and its Grand Opening Ceremony was held on 26 July 2023. He invited Members to book the DT Hub guided tours for their companies/ organisations.
3.6	CIC/BIM/P/028/23 (for information)	**Progress of the Task Force on BIM Training** Members took note of the progress of the Task Force on BIM Training (TF-BT). Ar. Lawrence LEUNG briefed Members on the development plan of BIM training common framework.
3.7	CIC/BIM/P/029/23 (for information)	**Progress of the Task Force on BIM Personnel Development** Members took note of the progress of the Task Force on BIM Personnel Development. Ms. Sandy FONG asked for the updated application status of CCBC(A) in September 2023. Mr. Dino SO reported that there was an increase in the number of CCBC(A) applications received in September when compared with the number of applications received in previous months. The increase was likely due to the update of Technical Circular by the Development Bureau (DEVB) to require CCBC(A) or CCBC as a necessary qualification to be BIM

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		coordinators in capital works projects (to be effective in January 2024). The CIC Secretariat will extend the application fee waiver to December 2023 to further boost the number of CCBC(A)'s applications.
3.8	CIC/BIM/P/030/23 (for information)	**Progress Report on the BIM Certification and Accreditation Schemes** Members took note of the progress report on the BIM Certification and Accreditation Schemes. Prof. Jack CHENG recommended the BIMCAB Secretariat to liaise with The Hong Kong Institution of Engineers (HKIE) to promote the BIMCAS and encourage the course graduates to submit their applications to become CCBMs/ CCBCs. Ms. Rosana WONG opined that the CIC could be the pioneer to provide BIM training to industry practitioners from the Greater Bay Area (GBA) and encourage them to apply for CCBM/CCBC to boost the BIM development in the industry.
3.9	CIC/BIM/P/031/23 (for information)	**Progress of the Task Force on Development of BIM-related Digital Solutions** Members took note of the progress of the Task Force on Development of BIM-related Digital Solutions. Mr. Alex HO highlighted that the research proposal "openBIM® Quality Platform - Verification, Assessment & Tracking" was targeted to be kicked off in October 2023.
3.10	CIC/BIM/P/032/23 (for information)	**Progress of the Task Force on BIM Standards** Members took note of the progress of the Task Force on BIM Standards.

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3.11	CIC/BIM/P/033/23 (for information)	**Progress of the Task Force on BIM Submission to the Buildings Department** Members took note of the progress of the TF-BSBD. Sr Y.Y. YIP highlighted that the TF-BSBD had been conducting a survey to gather experience of BIM submission from the industry. The TF-BSBD targeted to increase the number of BIM submissions to the BD by the stakeholders. The survey is targeted to be completed in October 2023. A seminar will be arranged by the end of 2023 to share the experience of precedent cases to the industry with reference to the "Guidelines for using Building Information Modelling in Statutory Plan Submissions (other than General Building Plan) 2023" published by the BD.

3.12		Any Other Business
		
		(a) The buildingSMART International Standards Summit - Lillestrøm 2023
		    Prof. Jack CHENG, Mr. Kevin WONG, Ir Dr. George WONG and Mr. Ion CHAN represented the CIC to join the buildingSMART International Standards Summit in Lillestrøm, Norway from 18 to 21 September 2023. Prof. Jack CHENG shared their event experience.
		
		(b) 2024 Budget Preparation on New IT Initiatives
		    The feedback on the slow performance of the BIM object library was received from the industry in early 2023. As the CIC is positioned as the centralised BIM object library in Hong Kong, the CIC Secretariat would arrange to revamp the BIM object library and enhance its performance.
		
		(c) To engage suppliers/ manufacturers to offer their equipment family members in LOD400 for the industry
		    Ir Antonio CHAN suggested the CIC Secretariat to liaise with The Hong Kong

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		Federation of Electrical and Mechanical Contractors Limited (HKFEMC) and organise a sharing session in 2023. The sharing session aims to introduce BIM objects production guidelines to suppliers/ manufacturers and encourage them to offer their equipment family members in LOD400 for the industry in 2024.

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