

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

Meeting No. 004/24 of the Committee on Building Information Modelling and Construction Digitalisation (Com-BIM & CD) was held on Wednesday, 27 November 2024 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 web meeting.

Present	: Jack CHENG Chin-pang (JCCp)	Chairperson
	Aaron CHAN Wing-kai* (WKCn)	
	HUNG, Sing-yeung (HSY)	
	Ringo LEUNG Kam-wing (Rkw)	
	Samson PUNG Chun-nok* (SnP)	
	Stanley TO Kwong-cheuk (STO)	
	Kelvin WONG Ka-wo (KWKw)	
	Michael WONG Kin* (MkW)	
	Neil WONG Man-kai (NeW)	
	Kevin WONG Sai-choi (KWg)	
	YIP Yin-yung* (YYY)	
	Rosana WONG Wai-man (RnWg)	
	Andy YU Man-kit (AYu)	
	CHIU Kin-keung (KiKC)	
	(On behalf of Ir Howard TONG Ho-wai)	
	Andy CHAN Lai-chun* (AClc)	Assistant Secretary
	(On behalf of Mr. Frankie FUNG Yiu-man)	(Project Capability and Strategy) 1,
		Development Bureau
	Alfred LEE Chi-hang (LCHA)	Chief Assistant
	(On behalf of Mr. Alan TANG Kai-yan)	Secretary (Works) 4,
	Gally CHEUNG Ka-lai* (GCKL)	Development Bureau
	(On behalf of Ms. Karen CHEUNG Yuk-ching)	Senior Building
	David LAU Lee-nin (DLLN)	Surveyor/ Airport 2,
		Buildings Department
		Adviser
In Attendance :	Alex HO (AHKK)	Director – Industry
		Development
	George YY WONG (GWYY)	Assistant Director –
		Industry Development
	George WONG (GWCK)	Senior Manager –
		Industry Development

	Ron NG	(RNCw)	Principal – School of Professional Development in Construction (Acting)
	Eros LAM*	(ELLT)	Manager – Management Support
	Ion CHAN*	(InSC)	Manager – Building Information Modelling
	Sunny CHOI	(SLC)	Manager – Industry Development
	Lok FUNG	(LF)	Manager – Industry Development
	Ella POON	(EPn)	Manager – Industry Development
	Kacy CHONG	(KC)	Assistant Manager – Industry Development
	Dino SO*	(DSCb)	Assistant Manager – Industry Development
	Cynthia WONG*	(CynW)	Assistant Manager – Industry Development
	Rebecca LEE	(RbL)	Officer II – Industry Development
Apologies	: Karen CHEUNG Yuk-ching (KCyc)		Assistant Director/ New Buildings 1, Buildings Department
	Frankie FUNG Yiu-man	(FFg)	Principal Assistant Secretary (Project Capability and Strategy), Development Bureau
	Alan TANG Kai-yan	(ATKY)	Principal Assistant Secretary (Works) 3, Development Bureau
	Howard TONG Ho-wai	(HTHW)	
	Wilson LU	(WnL)	
	Ole WONG Ming-yan	(OWMY)	
	Lawrence LEUNG	(LLTY)	Manager – Industry Development, CIC

*Remarks: *represents the attendee who attended the meeting through video conference (Microsoft Teams).*

MINUTES

Action

JCCp extended a warm welcome to the new Member, namely Ir Howard TONG Ho-wai (HTHW), who joined the Com-BIM & CD in October 2024. Due to a business engagement, HTHW has sent his apologies and would not be able to attend this meeting. Mr. CHIU Kin-keung would be joining on behalf of HTHW.

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

4.1 Confirmation of Minutes of the Previous Meeting

Members took note of Paper CIC/BIM/M/003/24 and confirmed the Minutes of Meeting No. 003/24 of the Com-BIM & CD held on Monday, 16 September 2024.

4.2 Matters Arising from the Previous Meeting

Members received the progress report on matters arising from the previous meeting circulated on 20 November 2024 with no further comments.

Item 3.11 Any Other Business - Report on Digitalisation Study Tour to Singapore

JCCp expressed his appreciation to the Members who joined the memorable and fruitful tour. He encouraged Members to propose ideas on the study tours (e.g. Shanghai, Hangzhou, etc.) to be arranged in 2025.

4.3 Safety Moment

Members took note of Paper CIC/BIM/P/032/24.

GWCK briefed Members on the activities or involvement for the Year of Safety initiatives by the CIC to enhance construction safety. He encouraged Members to join the safety events and share the information to the practitioners.

He highlighted the importance of the three life-saving principles:

- a) Conduct a "Dynamic Risk Assessment" before starting work.

- b) Deliver Field Control Briefing before work and follow the principle of “Inspection for Protection and Smooth Handover”.
- c) STOP if the work process deviates from the construction plan.

He also highlighted the recent fatal incidents in the construction industry and urged Members to disseminate the importance of construction safety to frontline site personnel, aiming for zero incidents on construction sites.

JCCp echoed and would like to review if any construction digitalisation solutions could be used to eliminate the occurrence of incidents.

GWYY introduced the Working at Height Monitoring System from the Construction Innovation and Technology Fund (CITF) list to Members. He encouraged Members to discuss mandating the installation of such sensors in the Smart Site Safety System to avoid the occurrence of incidents.

AHKK supplemented that the Safety Department of the CIC had been working with the Development Bureau (DEVB) and the Labour Department to explore safety protection options for working at the mobile elevating working platform in construction sites, as well as mandatory measures to mitigate risks. He also emphasised the importance of design for safety, which means incorporating safety into the design process.

HSY agreed and shared with us the importance of sensors installed in the hardware to protect workers from fatal disasters.

JCCp encouraged Members to convey the safety message to frontline site personnel to enhance their safety awareness in construction sites. He also suggested passing the suggestions from Members to the Safety Department for further consideration.

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4.4 Dissolution of the Task Force on BIM Submissions to the Buildings Department

Members took note of Paper CIC/BIM/P/033/24 for approval.

GWCK briefed Members on the Dissolution of the Task Force on BIM Submissions to the Buildings Department (TF-BSBD).

GCKL introduced the Task Force by the BD to Members. The terms of office would be 18 months and the first meeting would be scheduled in December 2024.

He also introduced the Stakeholders Engagement Workshop to be organised for the public in early December 2024 and encouraged Members to join the workshop. The event details would be shared to the Members after the meeting.

LCHA suggested a regular progress update from the Task Force for Consultancy Study on Adopting BIM for Statutory Submissions under the Buildings Ordinance by the Buildings Department (BD) (“Task Force by the BD”) to the Com-BIM & CD. Members agreed.

He opined to refine the wording of paragraph 3.1 of the Paper as stakeholders and the Departments recognised the importance and the necessity of BIM submissions at the beginning stage of the development of the TF-BSBD. It was agreed that the paragraph to be revised as “After three years of discussions, all stakeholders, including the BD, have discussed the ongoing significance of BIM submissions for Hong Kong, which was a primary goal of the TF-BSBD.”

YYY extended the appreciation to the efforts made by Members of the TF-BSBD and echoed LCHA’s point on the arrangement of future regular progress update on the Task Force by the BD.

Members approved the dissolution of the TF-BSBD.

[Post-meeting note: The First Stakeholder Engagement Workshop Invitation had been sent to Members by email on 5 December 2024.]

4.5 New Membership for the Task Force on BIM Standards and the Task Force on BIM Training

Members took note of Paper CIC/BIM/P/034/24 for approval.

GWCK briefed Members on New Membership for the Task Force on BIM Standards (TF-BS) and the Task Force on BIM Training (TF-BT).

WKCn introduced Ar. Franklin YU, a new member of the TF-BS, whose expertise in architecture and contracts would be expected to significantly aid the TF-BS in the ongoing development and enhancement of BIM Standards.

KWg expressed his sincere appreciation to be appointed as the Chairperson of the TF-BT after serving the TF-BT as a member for two years. His background in project deployment and experience in teaching BIM-related courses at universities would be invaluable in advancing training for BIM practitioners, particularly in areas like

contractual BIM and construction digitalisation.

Members approved the New Membership for the TF-BS and the TF-BT with the terms of office from 1 February 2025 to 31 January 2027.

4.6 Enhancement of “CIC BIM Standards - General (Version 2.1 - 2021)” and update of the “CIC BIM Dictionary”

Members took note of Paper CIC/BIM/P/035/24 for approval.

LF briefed Members on the Enhancement of “CIC BIM Standards - General (Version 2.1 - 2021)” and update of the “CIC BIM Dictionary”.

The updated “CIC BIM Standards - General (Version 2024)” and “CIC BIM Dictionary 2024” have superseded the previous publications “CIC BIM Standards - General (Version 2.1 - 2021)” and “CIC BIM Dictionary” respectively.

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JCCp recommended the Secretariat to share the updated “CIC BIM Standards - General (Version 2024)” and “CIC BIM Dictionary 2024” to BIM training course providers for updating their current training materials.

Members approved the Enhancement of “CIC BIM Standards - General (Version 2.1 - 2021)” and update of the “CIC BIM Dictionary”.

4.7 Report on the progress of KPIs of the Committee on Building Information Modelling and Construction Digitalisation

Members took note of Paper CIC/BIM/P/036/24.

GWCK briefed Members on the key points of the progress report of 2024 Major KPIs of the Com-BIM & CD and 2024 actual expenditure versus approved budget.

SLC reported that Nan Fung Tech Training Limited and Dragages Hong Kong Limited had applied for accreditation of their in-house BIM training courses. Their applications are targeted to be approved by the end of 2024.

LCHA expressed concern on KPI No. 3 “Approve 60 CIC-Certified BIM Managers (CCBMs), 300 CIC-Certified BIM Coordinators (CCBCs) and 300 CIC-Certified BIM Coordinators (Associate) (CCBC(A)s)” this year, and he suggested the CIC to closely liaise with the stakeholders to ensure the adequacy of these personnel to serve the

market. He also advised the CIC to start the promotion to the target groups as soon as possible with a view to achieving the KPI in 2025.

JCCp opined that the CIC would conduct a BIM and Construction Digitalisation Adoption Survey (the “Survey”) in 2025. The Secretariat would conduct a holistic review on the demand and supply of BIM personnel with the data collected through the Survey. LCHA suggested the CIC to revisit the programme such that the initial/interim findings are ready in mid-2025 for studying and revisiting the on-going initiatives in the 2nd half of 2025.

KWKw emphasised the importance of using BIM for Facility Management (FM) to enhance Asset Management (AM) including asset replacement, daily operation and maintenance.

Rkw opined that BIM adoption should cooperate with Modular Integrated Construction (MiC) and Design for Manufacturing and Assembly (DfMA) to achieve BIM implementation to the industry.

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AHKK supplemented that the BIM personnel development could also be reflected from successfully trained up over 1,000 BIM practitioners in 2024 for KPI No. 2 “Train at least 300 and 900 practitioners respectively with knowledge required for CCBM’s and CCBC’s applications”. Apart from the training for potential CCBMs/CCBCs, he suggested the TF-BT to review on enhancing the training contents, for example, BIM for AM/ FM, Quantity Take-Off (QTO), Automation, etc.

4.8 Progress Updates of the Construction Digitalisation Department (including key events/ projects in coming months)

Members took note of Paper CIC/BIM/P/037/24.

GWCK briefed Members on the progress updates of the Construction Digitalisation Department including key events/ projects in coming months.

He also highlighted the Webinar on 5G network on 9 December 2024 and encouraged Members to join.

JCCp introduced to Members the CIC BIM Sharing Session scheduled on 12 December 2024 at the CIC Digital Twin Hub. He encouraged Members of respective organisations who have joined the CIC BIM Network or signed the CIC Construction Digitalisation Charter to join the session.

(KiKC left the meeting at 3:46pm)

4.9 Progress of the Task Force on BIM Training

Members took note of Paper CIC/BIM/P/038/24.

EPn briefed Members on the progress of the TF-BT.

WKCn enquired that the ways to review and update CCBM/ CCBC core competencies of the BIM framework setup under BIM Certification and Accreditation Scheme (BIMCAS) to ensure the BIM framework to be up to date for the industry.

GWCK explained the scope of the BIMCAS to Members. The CIC Secretariat would further discuss with the Chairpersons of BIM Certification and Accreditation Board (BIMCAB) and the TF-BT for the suggestion on reviewing the CCBM/ CCBC core competencies under the BIMCAS.

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JCCp echoed and recommended the TF-BT to review during their next meeting.

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AHKK shared his view on the increasing demand for skills other than BIM and suggested developing other training courses on digitalisation skill sets to industry, e.g. Artificial Intelligence (AI).

JCCp opined that it was necessary to intensify BIM implementation and develop the foundation training on digitalisation, such as Internet of Things (IoT), AI, robotics, etc. He recommended the TF-BT to add this agenda item to their coming meeting.

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4.10 Progress Report on the BIM Certification and Accreditation Schemes

Members took note of Paper CIC/BIM/P/039/24.

SLC briefed Members on the progress report on the BIMCAS.

SLC also shared with Members that the BIMCAB would focus on the quality of the training courses and plan to update the course curriculum and enrich the course content, such as IoT and AI, in 2025.

SLC mentioned that the Secretariat would disseminate the teaching materials on Mandatory Continuing Professional Development to course providers for updating the course materials.

(KWKw left the meeting at 4:28pm)

(STO left the meeting at 4:30pm)

4.11 Progress of the Task Force on BIM Personnel Development

Members took note of Paper CIC/BIM/P/040/24.

SLC briefed Members on the progress of the Task Force on BIM Personnel Development (TF-BPD).

He also introduced the proposed content and timeline of the BIM and CD Adoption Survey to Members and would like to gather suggestions from Members for preparation of tender documents.

After deliberation, Members agreed to arrange a separate meeting with Members in December 2024 to further discuss on the preparation of the BIM and CD Adoption Survey.

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[Post-meeting note: A separate Com-BIM & CD meeting on BIM and CD survey was held on 18 December 2024.]

4.12 Progress of the Task Force on BIM Standards

Members took note of Paper CIC/BIM/P/041/24.

WKCn briefed Members on the progress of the TF-BS.

(RnWg left the meeting at 4:55pm)

4.13 ★Tentative Meeting Schedule for Year 2025

Members took note of Paper *CIC/BIM/P/042/24*.

The tentative meeting schedule for Year 2025 was presented under the starred paper.

4.14 Any Other Business

(a) CIC Super App

GWYY introduced the CIC Super App to Members with new features and encouraged Members to promote it to the industry practitioners.

(b) Review of “CIC Global Construction Digitalisation Forum and Exhibition (GCDFE) 2024” with key takeaways and lessons learnt

GWCK briefed Members on key takeaways and lessons learnt from the GCDFE 2024.

Members provided the following feedback for improvements:

- Rkw observed that the traffic during the registration session on the first day could be optimised.
- KWg remarked that the short notice for event management resulted in exhibitors having insufficient time to arrange their booths.
- SnP offered a technical comment on high vendor variety and recommended considering the invitation of more international exhibitors for future events.

AHKK expressed gratitude to JCCp, the Chairperson of Organising Committee for GCDFE 2024, as well as the CIC colleagues, for the dedication and hard work in preparing for the event over the past year.

(MkW left the meeting at 5:04pm)

(HSY left the meeting at 5:12pm)

(c) Briefing of HKIC Programme Area Accreditation

RNCw briefed the Members on the Hong Kong Institute of Construction Programme Area Accreditation (PAA).

He also introduced to Members to two new courses titled “Building Information Modelling (BIM) in Plumbing and Drainage – Revit” and “Building Information Modelling (BIM) Basic Course in Rebar Bending & Fabrication - Tekla Structures” which was and would be launched on 28 November 2024 and 12 December 2024 respectively.

[Post-meeting note: The new course of “Building Information Modelling (BIM) Basic Course in Rebar Bending & Fabrication - Tekla Structures” had been postponed and would be launched on 9 January 2025.]

4.15 Date of Next Meeting

The next meeting was scheduled for 25 March 2025 (Tuesday) at 2:30pm at Board Room, 29/F, Tower 2, Enterprise Square Five

All to note

(MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong.

There being no further business, the meeting was adjourned at 5:18pm.

**CIC Secretariat
November 2024**