Construction Industry Council

Committee on Building Information Modelling and Construction Digitalisation

Meeting No. 001/24 of the Committee on Building Information Modelling and Construction Digitalisation (Com-BIM & CD) was held on Tuesday, 26 March 2024 at 2:30pm through video conference (Microsoft Teams).

Present	:	Jack CHENG Chin-pang	(JCCp)	Chairperson
		Aaron CHAN Wing-kai	(WKCn)	
		Samson PUNG Chun-nok	(SnP)	
		Barry SUM Pang-tuen	(BSPT)	
		Kelvin WONG Ka-wo	(KWKw)	
		Ole WONG Ming-yan	(OWMY)	
		Kevin WONG Sai-choi	(KWg)	
		Michael WONG Wai-lun	(MWWL)	
		Rosana WONG Wai-man	(RnWg)	
		YIP Yin-yung	(YYY)	
		Alan TANG Kai-yan	(ATKY)	Principal Assistant Secretary (Works) 3, Development Bureau
		Karen CHEUNG Yuk-ching	(KCyc)	Assistant Director/ New Buildings 1, Buildings Department
In Attendance	:	Andy CHAN Lai-chun	(AClc)	Assistant Secretary (Project Capability and Strategy) 6, Development Bureau
		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
		Lok FUNG	(LF)	Manager – Industry Development

Lawrence LEUNG	(LLTY)	Manager – Industry Development
Ella POON	(EPn)	Manager – Industry Development
Kacy CHONG	(KC)	Assistant Manager – Industry Development
Clara SIN	(CSn)	Assistant Manager – Industry Development
Rebecca LEE	(RbL)	Officer II – Industry Development
Tim SUEN	(TSTT)	Manager – Industry Development (Presenter)
Mandy CHUNG	(MCMW)	Senior Officer II – Industry Development (Presenter)

Apologies	:	Antonio CHAN Chi-ming	(ACHAN)
		Donald CHOI Wun-hing	(DC)
		CHUNG Kwok-fai	(CKFi)
		FUNG Chi-yiu	(FCY)
		Eric POON Shun-wing	(EPSW)
		TANG Man-hei	(MHT)
		Alex HO	(AHKK)	Director - Industry Development
		Greg CHAN	(GgC)	Manager – Industry Development
		Sunny CHOI	(SLC)	Manager – Industry Development

MINUTES

Action

JCCp welcomed all Members to attend the meeting and reminded Members to declare conflict of interest, if any.

1.1 Confirmation of Minutes of the Previous Meeting

Members took note of Paper CIC/BIM/M/004/23 and confirmed the Minutes of Meeting No. 004/23 of the Com-BIM & CD held on Tuesday, 5 December 2023.

1.2   Matters Arising from the Previous Meeting

Members received the progress report on matters arising from the previous meeting circulated on 19 March 2024 and highlighted as follows, with no further comments:

(a) Item 4.4 Progress Updates of the CIC Construction Digitalisation Award (CDA) 2024

The idea of broadening the assessment categories to cover the lifecycle of digitalisation instead of focusing only on Digital Twin was conveyed to the Organising Committe (OC) of the CDA 2024 . It was agreed that a footnote would be supplemented to remind applicants to refer to the "Construction Digitalisation Roadmap 2021" published by the CIC for the digitalisation scope covered by the CDA 2024.

(b) Item 4.8 Progress of the Task Force on BIM Submissions to the Buildings Department (TF-BSBD)

The Com-BIM & CD issued a letter to the Planning and Lands Branch of the Development Bureau (DEVB(PLB)) to express support to the "Roadmap of Adoption of Building Information Modelling (BIM) for Building Plan Preparation and Submission" further to a briefing meeting by the DEVB(PLB). A meeting with the Chairpersons of the Com-BIM & CD and other Task Forces was held on 2 March 2024 to discuss the way forward on BIM submissions to the Buildings Department (BD). Members agreed to proactively support the BD and to explore ways to contribute to the BD's coming consultancy study when it would be awarded in June 2024.

JCCp suggested the CIC Secretariat to arrange an oversea trip on digitalisation to Singapore in August or September. He suggested to invite current and new Members to join the trip.

CIC Secretariat

(WKCn joined the meeting at 2:40pm)
(BSPT joined the meeting at 2:43pm)
(TSTT & MCMW joined the meeting at 2:49pm)

1.3 **Enhancement of the Assessment Mechanism and Procedures of the CIC Research and Technology Development (R&D) Fund**

Members took note of Paper CIC/BIM/P/003/24.

TSTT gave a presentation on the proposed enhancement of the assessment mechanism and procedures of the CIC R&D Fund.

Members approved the enhancement of the assessment mechanism and procedures of the CIC R&D Fund. The "Pool of Experts" for formation of Assessment Panel for the CIC R&D Fund would be nominated from the new membership list of the Com-BIM & CD to be confirmed in the Council Meeting to be held in April 2024.

CIC Secretariat

(TSTT & MCMW left the meeting at 3:52pm)

1.4 **Dissolution of the Task Force on Development of BIM-related Digital Solutions**[#]

Members took note of Paper CIC/BIM/P/004/24.

GWCk briefed Members on the reasons for the dissolution of the TF-DBDS. The TF-DBDS completed the task and identified the openBIM checking platform over the year. He supplemented that the research agenda would be shared to the solution providers and research institutes twice a year, to encourage them to participate in digital solutions development and apply for the CIC R&D Fund.

Members approved the dissolution of the TF-DBDS with no further comments.

[#]*Note: The Development of "openBIM(R) Quality Platform - Verification, Assessment & Tracking" will be managed by a new working group.*

1.5 **Year of Safety Initiatives**

Members took note of Paper CIC/BIM/P/005/24.

GWCk briefed Members on the proposed activities or involvement for the Year of Safety initiatives by the CD Department to enhance construction safety.

OWMY introduced the Safety Forum to be organised by The

Association of Consulting Engineers of Hong Kong (ACEHK) in April 2024. The Safety Forum aims at promoting construction safety, which focuses on the initiatives from consultants by means of design and digitalisation. GWCk welcomed Members to share the safety related event details to the CIC Secretariat for promotion to i-Club members.

Members agreed with JCCp's suggestion to report updates on construction safety in future meetings of the Com-BIM & CD.

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

Members took note of Paper CIC/BIM/P/006/24.

(a) Progress report on 2024 Major KPIs
For many years, the CIC has been committed to "Zero Accidents on Construction Sites". This year, the CIC has designated 2024 as the "Year of Construction Safety". Various safety training and campaigns will be organised to improve safety awareness and skills among practitioners. New technologies will be promoted to reduce safety risks. The CIC aims to foster a safety-oriented work culture among project managers and remind front-line workers to 'Say No to Danger'. In addition, the CIC aims to communicate the industry's commitment to safety to the public, create a positive image of the construction sector, and attract new talent to join the industry.

Members were acknowledged the revised 2024 Major KPI No.9 from "Organise the BIM (and CD) Year 2024 and the CIC Construction Digitalisation Award 2024" to "Organise the CIC Construction Digitalisation Award 2024".

ATKY expressed his 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)".

GWCk supplemented that the training seats were sufficient according to the findings/ reports from BIM Certification and Accreditation Board (BIMCAB). There might be lack of incentive for graduates to apply for the certification as CCBMs/ CCBCs.

ATKY suggested that more effort should be made on the following items:
  (i)   to motivate practitioners to apply / reapply for certification as CCBMs/ CCBCs;

(ii) to encourage the graduates of CIC-Accredited BIM Manager/ Coordinator courses to apply for certification as CCBMs/ CCBCs; and

(iii) to increase the passing rate of applicants to be certified as CCBMs/ CCBCs by providing appropriate briefing or workshop sessions for them.

CIC Secretariat

(b) Key Initiatives for 2025 Budget

JCCp suggested the 2025 initiatives to include Artificial Intelligence (AI) elements, for example in the 2025 Awards theme or in the Hackathon event.

KWg opined that the focus/ theme of the CDE Award to be organised in 2025 might be adjusted for attracting practitioners involved in the lifecycle of digitalisation (e.g. AI, Digital Works Supervision System (DWSS), Digital Twin, etc.) for integration of technologies. JCCp agreed and recommended the CIC Secretariat to convey the ideas to the event organisation committee for consideration.

(GWCk left the meeting at 4:14pm)

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

Members took note of Paper CIC/BIM/P/007/24.

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

He briefed Members on the schedule and activities of the "CIC BIM Competition 2024". He also highlighted that the "CIC Global Construction Digitalisation Forum and Exhibition (GCDFE) 2024" would be organised from 29 to 30 October 2024 at the Hong Kong Convention and Exhibition Centre (HKCEC).

ATKY enquired if the composition of the working group on "openBIM® Quality Platform – Verification, Assessment & Tracking" should be updated as one of the Members, Mr. Simon NG, joined the Working Group as a TF-DBDS Member, whereas the TF-DBDS would be dissolved. The CIC Secretariat would review the composition of the working group and follow up accordingly.

CIC Secretariat

1.8   Progress of the Task Force on BIM Training

Members took note of Paper CIC/BIM/P/008/24.

LLTY briefed Members on the progress of the Task Force on BIM Training (TF-BT).

(OWMY and SnP left the meeting at 3:56pm)

1.9   Progress Report on the BIM Certification and Accreditation Schemes

Members took note of Paper CIC/BIM/P/009/24.

ATKY expressed his concern on the way to motivate more BIM personnel (including new entrants and graduates) to apply for certification as CCBMs/ CCBCs. He suggested the CIC Secretariat to even encourage the BIM personnel from sub-contractors to apply for certification as CCBMs/ CCBCs. The CIC Secretariat would continue to work on it.

CIC Secretariat

1.10   Progress of the Task Force on BIM Standards

Members took note of Paper CIC/BIM/P/010/24.

ATKY informed Members that the Development Bureau (DEVB) received the email from the CIC Secretariat regarding the addition of a section "Way Forward" to the "Reference Materials of BIM Harmonisation for Digital Hong Kong". The DEVB would further review and discuss the use of some long-term policy initiatives and wording in this technical document.

JCCp suggested to arrange promotional activities to promote the "Reference Materials of BIM Harmonisation for Digital Hong Kong" once its ready to launch.

CIC Secretariat

[Post meeting notes: The CIC Secretariat received on 5 April 2024, a revised version of the section "Way Forward" with consolidated comments from Lands Department (LandsD) and DEVB(PLB) for consideration. The CIC Secretariat has incorporated the revised version accordingly for the Reference Materials.]

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

Members took note of Paper CIC/BIM/P/011/24.

LF briefed Members that the meeting of TF-BSBD would be scheduled after the "Consultancy Study on Adopting BIM for Statutory Submissions under the Buildings Ordinance" by the Buildings Department (BD) to be awarded in June 2024. The CIC Secretariat would discuss with the awarded consultant(s) on the way to facilitate BIM submissions to the BD.

CIC Secretariat

1.12 Any Other Business

(a) <u>The Role of the Com-BIM &CD on the 4S Labelling Scheme</u>

GWCk updated Members on the latest development on the Smart Site Safety System Labelling Scheme (4SLS). The 4SLS would be established under the Committee on Construction Safety (Com-CSY). Members of the Com-BIM & CD would be nominated to join the relevant Task Force established under the Com-CSY to share the latest knowledge of digitalisation technologies and support the promotion of the 4SLS.

(b) <u>2024 Major Work Plan and updates on 2024 Business Plan</u>

GWCk highlighted the 2024 Major Work Plan of the CD Department to Members. He briefed Members on the following initiatives under Item 1.1 Training of the 2024 Business Plan to be considered as lower priority:

Item	Initiatives
1.1 (a)	Develop new training courses with the SPDC to meet the market needs
1.1 (b)	Develop and coordinate BIM/ CD training courses with professional institutes
1.1 (c)	Deliver Train-the-Trainer courses
1.1 (d)	Develop new self-learning training materials to meet the market needs (e.g. openBIM/ Cybersecurity, etc.)
1.1 (e)	Coordinate with HKIC to organise Construction Digitalisation Taster Workshops for STEM/ STEAM school students

Upon deliberation, Members agreed that the above initiatives in the 2024 Business Plan could be considered as lower priority, which

might be followed up in 2025 if needed.

JCCp proposed to develop a self-learning material on BIM Standards for preparation of Statutory Submissions to the BD. YYY agreed and suggested the CIC Secretariat to first keep in view the development of the "Consultancy Study on Adopting BIM for Statutory Submissions under the Buildings Ordinance" by the BD. The CIC Secretariat would closely liaise with the BD and consider if further action would be needed.

KCyc explained to Members that the GBP Calculators for automated calculation of gross floor area and site coverage were the beginning stage on the BIM submissions to the BD. The Plug-in Tools for Floor Areas Calculation Checking in General Building Plan (GBP) Submission using BIM would be launched in Q1 2024. She supplemented that the BD would engage stakeholders for sharing consultant's findings and recommendations and collecting industry's view and feedback for the "Consultancy Study on Adopting BIM for Statutory Submissions under the Buildings Ordinance".

JCCp suggested that a survey on digitalisation should be started in 2025 for achieving the target of the Digitalisation Roadmap in 2026.

ATKY suggested to arrange another meeting with Com-BIM & CD members of the new term to work out the work plan and to derive any mitigation measures in case delay in any task of the work plan in found.

[Post meeting notes: The BIM Area Tool, a plug-in tool jointly developed by the BD and LandsD, for automated compliance check on floor area information in GBP in BIM format was officially launched. The details were provided by the BD and shared to Members by the CIC Secretariat via email on 8 April 2024.]

(c) <u>Hong Kong openBIM/ openGIS Awards 2024</u>
JCCp introduced Hong Kong openBIM/ openGIS Awards 2024 which was launched by The Hong Kong Alliance of Built Asset and Environment Information Management Associations (HKABAEIMA) and the Hong Kong Chapter of buildingSMART International. He encouraged Members to promote the event and join the final presentation by the shortlisted teams in May 2024.

(d) <u>buildingSMART International Summit – Valencia 2024</u>
KWg shared his experience gained from the buildingSMART International Summit – Valencia 2024 in March. He highlighted that

the buildingSMART International Council and Chapter Conference 2024, the first Asia Summit, would be organised in Hong Kong from 17 to 21 June 2024 to promote the use of openBIM. He welcomed Members to support and participate in the event.

1.13   Date of Next Meeting

The next meeting was scheduled for 25 June 2024 (Tuesday) at 2:30pm at 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 4:53pm.

CIC Secretariat
March 2024