



建造業議會 建築信息模擬認可及認證計劃

CONSTRUCTION INDUSTRY COUNCIL
BUILDING INFORMATION MODELLING
CERTIFICATION AND ACCREDITATION SCHEMES



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CIC Building Information Modelling Certification and Accreditation Schemes

**建造業議會建築信息模擬
認可及認證計劃**

INTRODUCTION 簡介

A “Roadmap for Building Information Modelling (BIM) Strategic Implementation in Hong Kong’s Construction Industry” was prepared by the Working Group on Roadmap for BIM Implementation under the then Committee on Environment and Technology of the Construction Industry Council (CIC) in 2014. One of the key initiatives in the Roadmap was to expedite the building up of BIM capacity and capability.

In 2017, the HKSAR Government decreed that BIM technology must be used in the design and construction of all major government capital works projects with a project estimate of more than HK\$30 million that were scheduled to start during or after 2018, and that the use of this technology in private construction projects should also be promoted. This has generated a surge in demand for BIM personnel and training needs.

To ensure that construction professionals have appropriate skill levels and competency in using BIM technology, and that the scope and quality of BIM courses provided in the market meet the requirements, it was important to establish a certification body for BIM personnel and an accreditation body for BIM training courses in Hong Kong.

To facilitate the healthy development of BIM in Hong Kong, CIC has introduced the BIM Certification and Accreditation Schemes to ascertain the competency of BIM personnel and the quality of local BIM training courses.

建造業議會（議會）轄下前環境及技術專責委員會成立之實施建築信息模擬路線圖工作小組在2014年草擬「香港建造業策略性推行建築信息模擬路線圖」。路線圖其中一項主要措施是加快採用建築信息模擬的能力和技術。

在2017年，香港特區政府頒令，政府自2018年起在所有預算達3,000萬港元以上的主要基本工程項目的設計和建造必須採用建築信息模擬技術，並鼓勵私人工程項目跟隨。這政策將令建築信息模擬人員及培訓的需求激增。

為確保建造業的專業人員擁有適當技巧及能力應用建築信息模擬技術，以及建築信息模擬課程的內容及質素符合市場的需求，香港有必要成立建築信息模擬人員認可及建築信息模擬培訓課程認證機構。

為促進建築信息模擬在香港的發展，議會推出了建築信息模擬認可及認證計劃，以評核建築信息模擬人員的能力及確保本地培訓課程的質量。



Certification of BIM Managers and Accreditation of BIM Manager Courses

**建築信息模擬經理認可
及建築信息模擬經理課程認證**



建築信息模擬經理認可

Certification of BIM Managers

OBJECTIVES 目標

- Set standards and ensure relevant construction professionals and other personnel will have the appropriate skill levels and competency in using BIM technology to meet the industry's needs
- Align the skill levels and competency of BIM personnel with the industry's needs, CIC BIM Standards and Development Bureau's requirements for BIM personnel
- Uphold the quality of BIM personnel in meeting the industry's needs
- 訂立標準及確保相關建造業專業人士及其他人員將具有使用建築信息模擬技術的適當技術水平及能力達至行業需要
- 確保建築信息模擬人員的技術水平及能力與行業需要、議會建築信息模擬標準及發展局對建築信息模擬人員的要求一致
- 保持建築信息模擬人員的質素以配合行業需要

ELIGIBILITY 適合對象

The certification of BIM managers will deal with applicants who wish to be certified by CIC as BIM managers.

It is targeted at BIM practitioners who already have relevant practical experience in BIM projects, meet the relevant academic and/or professional qualification requirements, and have completed a CIC-Accredited BIM Manager Course.

建築信息模擬經理認可將處理希望獲得議會認可為建築信息模擬經理的申請者。

適合已擁有建築信息模擬項目的相關工作經驗，並符合相關學術及／或專業資格要求及完成議會認證之建築信息模擬經理課程的建築信息模擬從業員。



APPLICATION PROCEDURE 申請程序

1



The applicant visits
www.bim.cic.hk for scheme
details and online application
申請者瀏覽 www.bim.cic.hk 獲取
計劃詳情及進行網上申請

2



The applicant prepares and
submits the application form
with supporting documents
and an application fee
申請者準備及遞交申請表格
及證明文件與報名費用

3



CIC verifies application
議會審批申請

4



Assessment panel conducts
interview with the applicant
評審小組與申請者進行面試

5



CIC notifies the applicant of
the result
議會通知申請者結果

6



Renewal of registration by
successful applicant every
year (Continuing Professional
Development required)
成功申請者每年申請註冊續期
(需要持續專業進修)



ASSESSMENT CRITERIA

評審準則

- **Qualification**
A CIC-recognised professional qualification (e.g. full membership of HKIA, HKIE or HKIS);
OR
A degree accredited or recognised by a CIC-recognised professional body in architecture, engineering, surveying, building or construction, or equivalent as recognised by CIC, plus five years of relevant post-degree experience (with at least six months stationed in Hong Kong)
 - **Practical experience in BIM**
At least two years of practical experience in BIM in past five years (with at least six months stationed in Hong Kong)
 - **BIM education**
Successful completion of a CIC-Accredited BIM Manager Course
 - **Competency statement**
A document prepared in English by the applicant, of between 1,500 words and 2,500 words, to demonstrate the applicant's practical experience in BIM and English writing skills
 - **Interview**
Passing an assessment interview
-
- **資格**
具備議會認可之專業資格 (例如：香港建築師學會、香港工程師學會或香港測量師學會之正式會員)；
或
獲議會認可之建築、工程、測量、樓宇或建造的專業團體認可之大學學位或獲議會認可之同等學歷及取得學位後不少於5年的相關經驗 (包括最少6個月駐香港的經驗)
 - **建築信息模擬的工作經驗**
在過去5年中有最少兩年建築信息模擬項目的工作經驗 (包括最少6個月駐香港的經驗)
 - **建築信息模擬學歷**
成功完成議會認證的建築信息模擬經理課程
 - **資歷陳述**
申請者需要以英文撰寫1,500字至2,500字陳述，證明其建築信息模擬項目的工作經驗及英文寫作能力
 - **面試**
通過面試評核



建築信息模擬經理課程認證

Accreditation of BIM Manager Courses

OBJECTIVES 目標

- Ensure the scope and quality of the BIM training courses offered meet the industry's needs
 - Uphold the accreditation quality of BIM training courses in meeting the industry's needs
 - Facilitate practitioners to obtain certification by CIC
 - 確保建築信息模擬培訓課程的範圍和質素符合行業需要
 - 保持建築信息模擬培訓課程認證的質素以配合行業需要
 - 促進從業員獲得議會認可的資格
-

ELIGIBILITY 適合對象

The accreditation of BIM Manager courses is targeted at course providers who are offering or are going to offer BIM Manager courses.

建築信息模擬經理課程認證適用於正在或將會提供建築信息模擬經理課程之課程營辦商。



APPLICATION PROCEDURE 申請程序

1



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2



The applicant prepares and
submits the application form
with supporting documents
and an application fee
申請者準備及遞交申請表格
及證明文件與報名費用

3



CIC verifies application
議會審批申請

4



Assessment panel performs
on-site assessment and
interview
評審小組進行實地評估及面試

5



CIC notifies the applicant of
the result
議會通知申請者結果

6



Renewal of course
accreditation by successful
applicant every two years
成功申請者每兩年申請課程
認證續期



ASSESSMENT AREAS

評審範圍

- Teaching premises
- Governance and management
- Finance
- Course materials, assignments, test papers, examination papers, etc.
- Course content and learning outcomes should cover and meet the levels of learning outcome:
 - BIM concept definitions and scope, BIM standards and guidelines in Hong Kong and global contexts
 - BIM software and the modelling process, and current and upcoming technology trend
 - BIM uses and BIM software applications, and design and management of the overall process for implementing a BIM project
 - Digital information management, collaboration and integration
 - Commercial and financial aspects of BIM as well as BIM-related contractual issues
- Quality assurance
- Teaching staff
- Instructor-student ratio
- Course duration
- Course admission priority

-
- 教學場所
 - 企業管治及管理
 - 財政資源
 - 課程教材、習作、測驗及考試試卷等
 - 質素保證
 - 教學人員
 - 師生比例
 - 課程時數
 - 入學資格
 - 課程內容及課程學習成果需要涵蓋並達到學習成果的水平：
 - 建築信息模擬概念的定義及範疇、香港及全球的建築信息模擬標準與準則
 - 建築信息模擬軟件及建模過程，以及現時與未來之科技趨勢
 - 建築信息模擬用途與建築信息模擬軟件應用，以及進行建築信息模擬項目的整體過程設計與管理
 - 數碼資訊管理、協作與整合
 - 建築信息模擬的商業及財務範疇，以及建築信息模擬相關之合約事宜



Certification of BIM Coordinators and Accreditation of BIM Coordinator Courses

**建築信息模擬協調員認可
及建築信息模擬協調員課程認證**



建築信息模擬協調員認可

Certification of BIM Coordinators

OBJECTIVES 目標

- Set standards and ensure relevant construction professionals and other personnel will have the appropriate skill levels and competency in using BIM technology to meet the industry's needs
- Align the skill levels and competency of BIM personnel with the industry's needs, CIC BIM Standards and Development Bureau's requirements for BIM personnel
- Uphold the quality of BIM personnel in meeting the industry's needs
- 訂立標準及確保相關建造業專業人士及其他人員將具有使用建築信息模擬技術的適當技術水平及能力達至行業需要
- 確保建築信息模擬人員的技術水平及能力與行業需要、議會建築信息模擬標準及發展局對建築信息模擬人員的要求一致
- 保持建築信息模擬人員的質素以配合行業需要

ELIGIBILITY 適合對象

The certification of BIM coordinators will deal with applicants who wish to be certified by CIC as BIM coordinators.

It is targeted at BIM practitioners who already have relevant practical experience in BIM projects, meet the relevant academic requirement and have completed a CIC-Accredited BIM Coordinator Course.*

建築信息模擬協調員認可將處理希望獲得議會認可為建築信息模擬協調員的申請者。

適合已擁有建築信息模擬項目的相關工作經驗，並符合相關學術要求及完成議會認證之建築信息模擬協調員課程的建築信息模擬從業員。*

* There is a "Grandfathering Policy" and a "Grace Period" for the scheme. Please refer to the "Application Guide for Certification of BIM Coordinators" available at www.bim.cic.hk for details.

* 計劃設有「豁免安排」及「寬限期」。詳情請瀏覽www.bim.cic.hk以參閱「建築信息模擬協調員認可申請指引」文件。



APPLICATION PROCEDURE 申請程序

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計劃詳情及申請表格

2



The applicant prepares and
submits the application form
with supporting documents
and an application fee
申請者準備及遞交申請表格
及證明文件與報名費用

3



CIC verifies application
議會審批申請

4



Assessment panel conducts
assessment (Interview maybe
required)
評審小組進行評審(或需要面試評核)

5



CIC notifies the applicant of
the result
議會通知申請者結果

6



Renewal of registration by
successful applicant every
year (Continuing Professional
Development required)
成功申請者每年申請註冊續期
(需要持續專業進修)



ASSESSMENT CRITERIA

評審準則

- **Qualification**

A diploma (or equivalent) in Qualifications Framework (QF) Level 4 or above qualification accredited or recognised by a CIC recognised professional body in architecture, engineering, surveying, building or construction, or equivalent, as recognised by CIC, plus 3 years of full-time relevant work experience (with at least 6 months stationed in Hong Kong)

- **Practical experience in BIM**

At least one year full-time relevant BIM experience in BIM projects coordination and related tasks, in past five years (with at least 6 months stationed in Hong Kong)

- **BIM education**

Successful completion of a CIC-Accredited BIM Coordinator Course plus at least one BIM software/platform training course in operation level as recognised by CIC or possession of any certification of BIM software in operation level issued by respective software developers

- **Client and employer evaluation forms**

Submission of a least one set of evaluation forms from both client and employer sides

- **Interview**

If the submission is found to be complete and can successfully demonstrate that the applicant possesses the required core competencies of a BIM coordinator, interview could be exempted

- **資格**

具備議會認可之建築、工程、測量、樓宇或建造的專業團體認可之資歷架構第四級的文憑學位（或同等學歷）或以上或獲議會認可之同等學歷及不少於3年的全職相關工作經驗（包括最少6個月駐香港的經驗）

- **建築信息模擬的工作經驗**

在過去5年中有最少一年全職建築信息模擬項目協調及相關的工作經驗（包括最少6個月駐香港的經驗）

- **建築信息模擬學歷**

成功完成議會認證的建築信息模擬協調員課程，以及最少完成一個由議會認可之操作級別的建築信息模擬軟件/平台培訓課程，或者擁有由相應軟件開發商頒發的任何建築信息模擬軟件操作級別的認證

- **客戶及僱主評估表**

提交最少一份由客戶及一份由僱主雙方填寫之評估表

- **面試**

如果核實申請人已提交完整的資料及成功證明其具備建築信息模擬協調員所需的核心能力，則可以豁免面試



建築信息模擬協調員課程認證

Accreditation of BIM Coordinator Courses

OBJECTIVES 目標

- Ensure the scope and quality of the BIM training courses offered meet the industry's needs
 - Uphold the accreditation quality of BIM training courses in meeting the industry's needs
 - Facilitate practitioners to obtain certification by CIC
 - 確保建築信息模擬培訓課程的範圍和質素符合行業需要
 - 保持建築信息模擬培訓課程認證的質素以配合行業需要
 - 促進從業員獲得議會認可的資格
-

ELIGIBILITY 適合對象

The accreditation of BIM Coordinator courses is targeted at course providers who are offering or are going to offer BIM Coordinator courses.

建築信息模擬協調員課程認證適用於正在或將會提供建築信息模擬協調員課程之課程營辦商。



APPLICATION PROCEDURE 申請程序

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及證明文件與報名費用

3



CIC verifies application
議會審批申請

4



Assessment panel performs
on-site assessment and
interview
評審小組進行實地評估及面試

5



CIC notifies the applicant of
the result
議會通知申請者結果

6



Renewal of course
accreditation by successful
applicant every two years
成功申請者每兩年申請課程
認證續期



ASSESSMENT AREAS

評審範圍

- Teaching premises
- Governance and management
- Finance
- Course materials, assignments, test papers, examination papers, etc.
- Course duration
- Teaching staff
- Course content and learning outcomes should cover and meet the levels of learning outcome:
 - BIM Initiation: Ability to describe BIM concept definitions and scope, BIM standards and guidelines in Hong Kong and global contexts
 - BIM Software and Technologies: Ability to operate BIM software and the modelling process, and describe current and upcoming technology trend
 - BIM Uses and Processes: Ability to understand BIM uses, apply BIM software applications, and to execute and administer the responsible BIM tasks for individual or cross-disciplinary BIM project coordination
 - Digital Information Management, Collaboration and Integration: Ability to execute and administer the operation of a common data environment and data quality control system for effective use and sharing of digital information in a BIM project
 - Communication Skills: Ability to demonstrate effective interpersonal and communication skills

-
- 教學場所
 - 企業管治及管理
 - 財政資源
 - 課程教材、習作、測驗及考試試卷等
 - 課程時數
 - 教學人員
 - 課程內容及課程學習成果需要涵蓋並達到學習成果的水平：
 - 建築信息模擬基準：能夠描述建築信息模擬概念的定義及範疇、香港及全球的建築信息模擬標準與準則
 - 建築信息模擬軟件及技術：能夠操作建築信息模擬軟件及建模過程，並描述現時與未來之科技趨勢
 - 建築信息模擬用途及過程：能夠了解建築信息模擬的使用，應用建築信息模擬軟件，以及執行和管理建築信息模擬作業以協調個別或跨專業的建築信息模擬項目
 - 數碼資訊管理、協作與整合：能夠在建築信息模擬項目中有效地執行及管理通用數據環境與數據質量控制系統的操作，並分享數碼資訊
 - 溝通技巧：能夠展示有效的人際和溝通技巧

查詢

ENQUIRY

建造業議會
Construction Industry Council

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📠 2100 9090

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🌐 www.bim.cic.hk



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The CIC may at its absolute discretion without notice at any time and under any circumstances withdraw or modify the provisions of any goods and services.
建造業議會可在任何時候及任何情況下使用其絕對酌情決定權撤回或修改任何產品或服務的供應，而毋須事先通知。

