

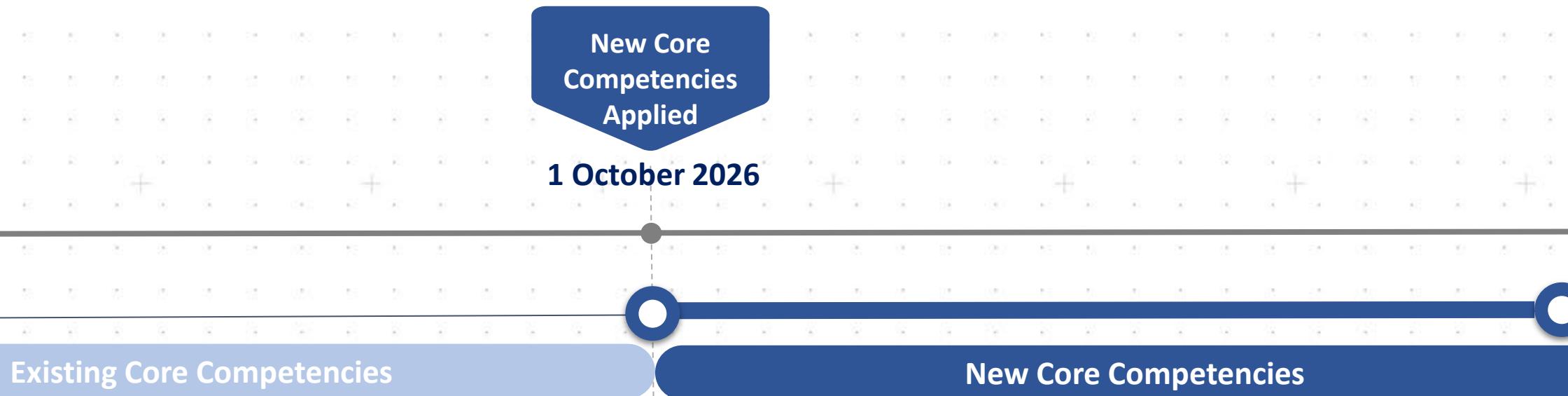


CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Lazy Pack
New Enhancements to
Certification of BIM Managers
& Accreditation of BIM Manager Courses
2026 onwards

1. Background

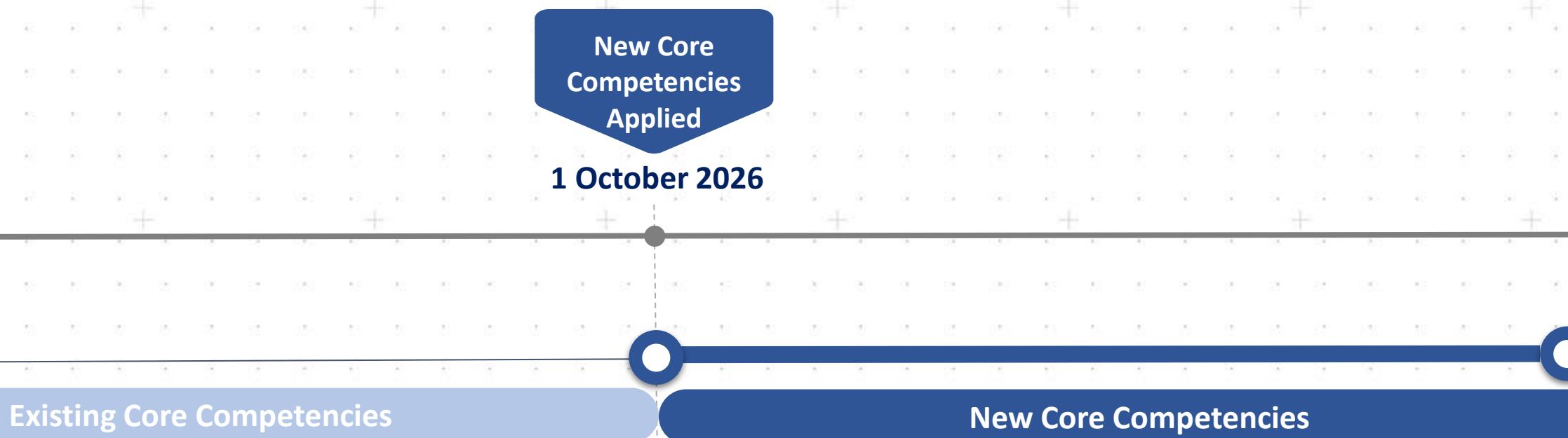
- To keep pace with industry needs, CIC regularly reviews the core competency requirements and core subjects under the BIM Certification and Accreditation Schemes (BIMCAS). The last enhancements were made in 2022.
- The BIM Certification and Accreditation Schemes (BIMCAB) has approved the enhancements on 15 October 2025. These updates aim to maintain relevance and further strengthen the quality of BIM training and certification.



2. Timeline for New Enhancement to Certification

Effective Date

- 1 October 2026
- From this date onward, all certification **applications** must comply and be assessed with the enhanced requirements.



3. Enhancement to CCBM Core Competencies

- The wordings of the Core Competencies of a BIM Manager are **refined** to more accurately reflect the essential competencies that a BIM Manager should possess.

Existing Version	New Version (with effect from 1 October 2026)
1. BIM Initiation [Level 2] (Ability to describe BIM concept definitions and scope, BIM standards and guidelines in the Hong Kong and global contexts.)	1. BIM Initiation [Level 2] (Ability to describe BIM concepts, definitions and scopes, BIM standards and guidelines in the Hong Kong and global contexts.)
2. BIM Software and Technologies [Level 2] (Ability to explain BIM software and the modelling process, and current and upcoming technologies.)	2. BIM Software and Technologies [Level 2] (Ability to describe BIM software/platforms and their modelling and digital information development processes, and various technologies associated with BIM.)
3. BIM Uses and Processes [Level 4] (Ability to understand BIM uses and BIM software applications, and to design and manage the overall process of a BIM project.)	3. BIM Uses and Processes [Level 4] (Ability to explain BIM uses, processes and BIM software/platform utilisation, and to design and manage end-to-end BIM project workflows.)
4. Digital Information Management, Collaboration and Integration [Level 4] (Ability to plan and execute the setting-up of a common data environment and data quality control system for effective use and sharing of digital information in a BIM project.)	4. Digital Information Management, Collaboration and Integration [Level 4] (Ability to plan, establish and manage Common Data Environment and data quality control systems for effective digital information management, exchange and utilisation in BIM projects.)
5. Commercial and Contractual Aspects [Level 2] (Ability to describe commercial and financial issues of BIM as well as BIM-related contractual issues.)	5. Commercial and Contractual Aspects [Level 4] (Ability to explain commercial and financial considerations, and comply with contractual issues related to BIM implementation.)
6. Communication Skills [Level 4] (Ability to apply effective interpersonal and communication skills in a variety of public and interpersonal settings, such as presentations, meetings, report / training material writing, etc.)	6. Communication Skills [Level 4] (Ability to apply effective interpersonal and communication skills in diverse professional settings, including presentations, meetings, reporting, training material development, etc.)
7. Leadership, Management and Integrity Aspects (Ability to represent the CIC and uphold a high standard of professionalism, integrity and ethical behavior.)	7. Leadership, Management and Integrity Aspects (Ability to lead and manage subordinates for BIM implementation with professionalism, integrity and ethical behaviour upholding a high CIC standard.)

3. List of Detailed Core Competencies (New)

- The purpose of this new list is to more accurately reflect the essential competencies a BIM Manager should possess, and better align with the latest CIC BIM Standards and emerging technology trends. (New items highlighted in green)

	Detailed Core Competencies	Level of Competency
1. BIM Initiation	<i>1.1. – BIM Concept</i>	
	1.1.1 BIM definitions and terminology	L2
	1.1.2 Difference between CAD (2D/3D) and BIM	L2
	1.1.3 BIM in the context of whole life cycle of a built asset and smart city	L2
	1.1.4 Value and benefits of adopting BIM in the whole life cycle of a built asset	L2
	1.1.5 Collaborative working in BIM	L2
	1.1.6 Limitation of BIM	L2
	1.1.7 How BIM can affect the AECO practice and address the current challenges	L2
	<i>1.2. – Local, Mainland & Global BIM development and standards</i>	
	1.2.1 Local BIM standards, publications and available resources	L2
	1.2.1.1 CIC BIM standards and other related publications and resources	L2
	1.2.1.2 Government BIM & BIM-AM related technical circulars, standards, guidelines and publications	L2
	1.2.2 BIM development in Mainland and global context	L1
	1.2.3 Mainland and international BIM standards, publications and initiatives	L2
	1.2.3.1 Mainland BIM standards GB/T series	L1
	1.2.3.2 ISO 19650 series	L2
	1.2.3.3 openBIM and other collaborative formats	L2



3. List of Detailed Core Competencies (New) (Cont'd)

	Detailed Core Competencies	Level of Competency
2. BIM Software and Technologies	<i>2.1. – BIM Software and Platforms</i>	
	2.1.1 Common BIM software and platforms for various trades	L2
	2.1.2 Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2
	2.1.3 Interoperability across common BIM software and platforms	L2
	<i>2.2. – Technologies and Construction Related Applications</i>	
	2.2.1 Internet & cloud	L1
	2.2.2 Laser scanning & photogrammetry	L2
	2.2.3 Unmanned Aircraft System (UAS) / Drone	L2
	2.2.4 Geographic Information System (GIS)	L2
	2.2.5 Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1
	2.2.6 Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2
	2.2.7 Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2
	2.2.8 Digital Twin	L2
	2.2.9 Robotics	L1
	2.2.10 Programming, automation and API	L1
	2.2.11 MiC, MiMEP and DfMA	L2
	2.2.12 Indoor positioning	L1
	2.2.13 Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1
	2.2.14 Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1



3. List of Detailed Core Competencies (New) (Cont'd)

	Detailed Core Competencies	Level of Competency
3. BIM Uses and Processes	<i>3.1. – BIM Organisational Strategy and Requirements</i>	
	3.1.1 Overview of BIM strategy, uses and organisation	L2
	3.1.2 Key personnel in relation to BIM and their roles and responsibilities	L2
	3.1.3 Establish and lead the development of the BIM Requirements at the organisational level	L4
	3.1.3.1 Organisational Information Requirements (OIR)	
	3.1.3.2 Asset Information Requirements (AIR)	
	3.1.3.3 Security Information Requirements (SIR)	
	3.1.4 Develop and lead the implementation of the CDE strategy at the organisational level	L4
	3.1.5 Establish and manage the strategies for integrating BIM with broader construction digitalisation technologies at the organisational level (e.g. GIS, Digital Twin, 4S, etc)	L4
	3.1.6 Case study	L2
	<i>3.2. – Project Planning Stage</i>	
	3.2.1 Define and establish the Appointing Party BIM Requirements and the Project Information Requirements (PIR) at the project level	L4
	3.2.2 Develop and manage the Exchange Information Requirements (EIR)	L4
	3.2.3 Determine and lead the integration of technologies and system requirements at the project level (e.g. BIM software, platforms, CDE, etc.)	L4
	3.2.4 Develop and oversee project delivery requirements and appropriate BIM Uses at the project level	L4
	3.2.5 Develop and manage the Level of Information Need (LOIN) to be adopted at the project level	L4
	3.2.6 Establish and manage the BIM & information standards, methods and procedures at the project level	L4
	3.2.7 Coordinate and manage the shared resources with the Lead Consultant / Lead Contractor at the project level	L4



3. List of Detailed Core Competencies (New) (Cont'd)

3.2.8 Assess and validate the capability and capacity of the delivery team	L4
3.2.9 Case study	L2
<i>3.3. – Project Design Stage</i>	
3.3.1 Develop and lead the Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4
3.3.2 Develop and lead the Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4
3.3.3 Define and manage the Information Management Assignment Matrix	L4
3.3.4 Establish and manage the detailed modelling methodology and requirements	L4
3.3.5 Manage the production and delivery of the BIM Uses in the planning and design stages	L4
3.3.6 Lead and report in BIM-related meetings and documentations	L4
3.3.7 Case Study	L2
<i>3.4. – Project Construction & Handover Stage</i>	
3.4.1 Develop and lead the Pre-appointment and Post-appointment BIM Implementation Plan (BIM IP)	L4
3.4.2 Develop and lead the Pre-appointment and Post-appointment BIM Execution Plan (BEP)	L4
3.4.3 Define and manage the Information Management Assignment Matrix	L4
3.4.4 Establish and manage the detailed modelling methodology and requirements	L4
3.4.5 Manage the production and delivery of the BIM Uses in the construction and handover stages	L4
3.4.6 Lead and report in BIM-related meetings and documentations	L4
3.4.7 Case Study	L2
<i>3.5. – Building/Asset Operation & Maintenance Stage</i>	
3.5.1 Technologies for BIM asset management and integration with the building / asset management system	L2
3.5.2 Manage the production and delivery of the Asset Information Model (AIM) and associated data for operation and maintenance (O&M) stage	L4
3.5.3 Manage the information exchange from the AIM to the building / asset management system	L4
3.5.4 Maintain and update the Asset Information Model (AIM) throughout the O&M stage	L4
3.5.5 Lead and coordinate BIM-based asset management with asset management, facility management, and operation teams	L4
3.5.6 Case Study	L2



3. List of Detailed Core Competencies (New) (Cont'd)

	Detailed Core Competencies	Level of Competency
4. Digital Information Management, Collaboration and Integration	<i>4.1. – Digital Information Management</i>	
	4.1.1 Plan and manage the information management workflow for various work stages	L4
	4.1.2 Plan and manage the BIM information and model exchange for multi-disciplinary collaboration	L4
	4.1.3 Define and manage the details of the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L4
	4.1.4 Plan and manage the integration, archiving, and handover of BIM model and associated data across the work stages	L4
	4.1.5 Establish and maintain various BIM related coding systems and classifications for various work stages	L4
	4.1.6 Plan and manage the process of information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L4
	<i>4.2. – Common Data Environment (CDE)</i>	
	4.2.1 CDE and the workflow as per ISO 19650	L2
4.3 – Data Quality Assurance & Audit across various work stages	4.2.2 Common CDE solutions in the market	L2
	4.2.3 Establish and manage a CDE	L4
	4.2.4 Assess and select an appropriate CDE based on project requirements	L4
	4.2.5 Lead and manage the information exchange process of CDE	L4
	4.2.6 Limitation of CDE	L2
4.3 – Data Quality Assurance & Audit across various work stages	<i>4.3 – Data Quality Assurance & Audit across various work stages</i>	
	4.3.1 Plan and develop the BIM quality assurance and audit processes, methodologies and checking systems for various work stages	L4
	4.3.2 Manage the production of BIM quality assurance, audit and model checking for various work stages	L4
	4.3.3 Define and oversee the production of BIM quality assurance and audit reporting for various work stages	L4



3. List of Detailed Core Competencies (New) (Cont'd)

	Detailed Core Competencies	Level of Competency
5. Commercial and Contract	<i>5.1. – Commercial Issues</i>	
	5.1.1 Foster BIM literacy across organisation and stakeholders	L4
	5.1.2 Define and manage the requirements of hardware, software and IT infrastructure for BIM	L4
	5.1.3 Lead the human resource management, competency and training for BIM	L4
	5.1.4 Lead the procurement and supply chain management for BIM	L4
	5.1.5 Establish and oversee risk management strategies for BIM implementation.	L4
	<i>5.2. – Contractual and Liabilities Issues</i>	
	5.2.1 Understand the potential risks associated with model sharing, data accuracy and reliance on digital deliverables	L2
	5.2.2 Describe the contractual provisions related to BIM, such as roles and responsibilities, ownership of models, intellectual property rights, and protocols for data exchange etc.	L2
	5.2.3 Understand how BEPs, information requirements and standards integrate with contractual frameworks to define deliverables and the rights and liabilities of the parties involved	L2



4. Timeline for New Enhancement to Accreditation

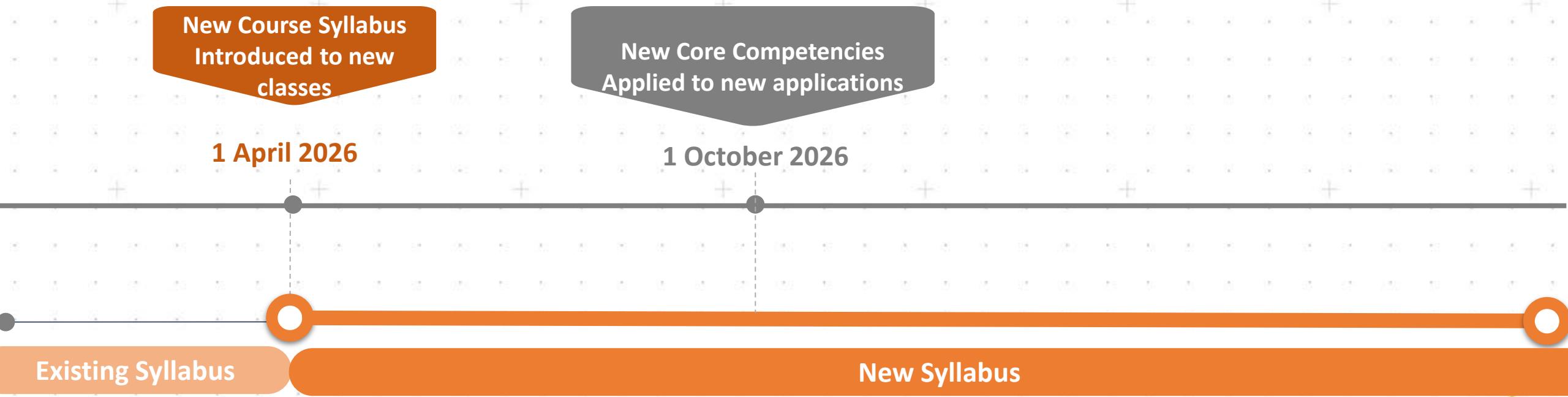
Effective Date

- 1 April 2026
- From this date onward, all new **classes** of the accredited courses should adopt the enhanced syllabus.



4. Timeline for New Enhancement to Accreditation (Cont'd)

- CCBM/CCBC completion certificates issued under the existing syllabus will remain valid after **1 October 2025**, unless otherwise specified by CIC.
- Anyone holds a completion certificate of the accredited CCBM/CCBC course with valid accreditation period (no matter it was taught under new/old syllabus) is considered having **fulfilled the BIM education requirement** when applying for CCBM/CCBC certification, unless otherwise specified by CIC..



5. Enhancement to CCBM Course Syllabus

	Syllabus	Lecture Hours	Workshop Hours	Total Contact Hours	Exam Hours
BIM Manager Courses	Update on specific terminologies and detailed core subject items	26.5 to 19 hrs	9.5 to 17 hrs	Unchanged	Unchanged
BIM Manager Courses (Top-up)		13.5 to 13 hrs	5.5 to 5 hrs	19 to 18 hrs	Unchanged

For a detailed syllabus of CCBM course, please refer to

https://www.bim.cic.hk/Upload/page/111/file_1/7f0fec4daafc4ee4be1df663579d2063.pdf



6. Enhancement to CCBM List of Core Subjects (Extract)

(New items highlighted in green)

	Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
			Lecture	Workshop	Assignment	Description	Examination
1. BIM Initiation	<i>1.1. – BIM Concept</i>		1	0	1	Assignments can be in quiz, worksheet...etc. It can be arranged so that it won't occupy any curriculum hour.	
	1.1.1 BIM definitions and terminology	L2					
	1.1.2 Difference between CAD (2D/3D) and BIM	L2					
	1.1.3 BIM in the context of whole life cycle of a built asset and smart city	L2					
	1.1.4 Value and benefits of adopting BIM in the whole life cycle of a built asset	L2					
	1.1.5 Collaborative working in BIM	L2					
	1.1.6 Limitation of BIM	L2					
	1.1.7 How BIM can affect the AECO practice and address the current challenges	L2					
	<i>1.2. – Local, Mainland & Global BIM development and standards</i>		2	0	1	Can be only one examination for the whole course	
	1.2.1 Local BIM standards, publications and available resources	L2					
	1.2.1.1 CIC BIM standards and other related publications and resources	L2					
	1.2.1.2 Government BIM & BIM-AM related technical circulars, standards, guidelines and publications	L2					
	1.2.2 BIM development in Mainland and global context	L1					
	1.2.3 Mainland and international BIM standards publications and initiatives	L2					
	1.2.3.1 Mainland BIM standards GB/T series	L1					
	1.2.3.2 ISO 19650 series	L2					
	1.2.3.3 openBIM and other collaborative formats	L2					
			3	0	1		



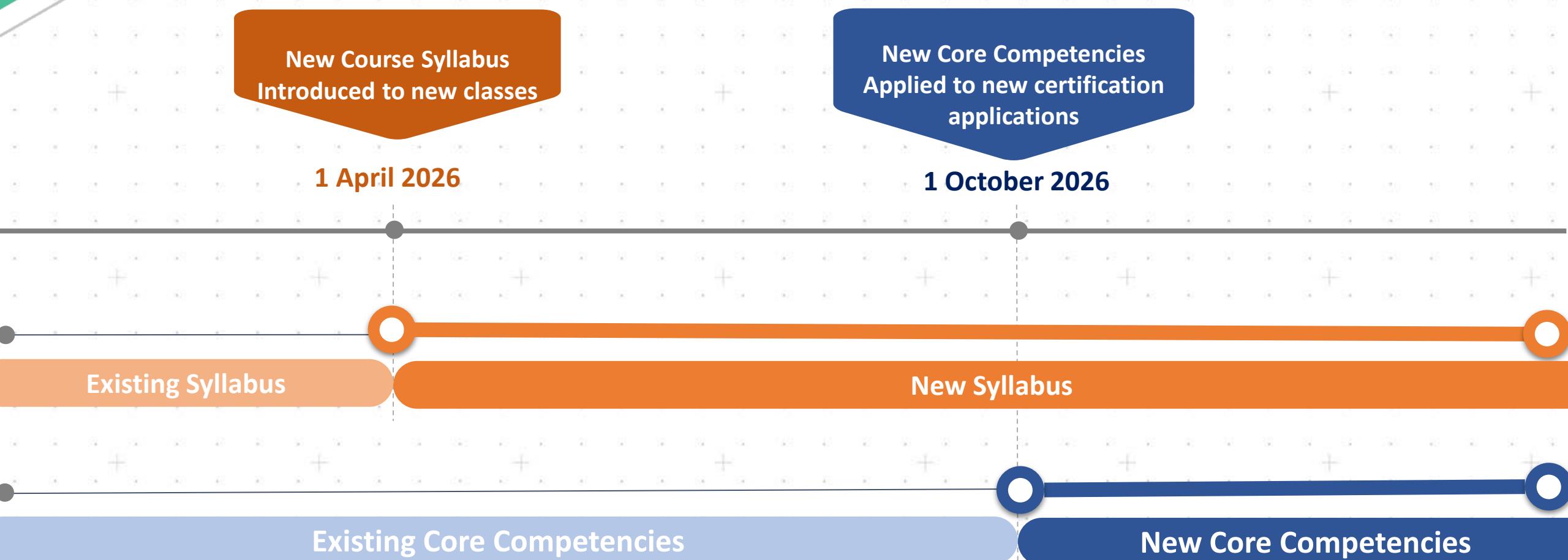
6. Enhancement to CCBM List of Core Subjects (Extract)

(New items highlighted in green)

	Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment					
			Lecture	Workshop	Assignment	Description	Examination			
2. BIM Software and Technologies	<i>2.1. – BIM Software and Platforms</i>		1	0	1	Participants are suggested to spend their own time on getting know the BIM software. E.g. Homepage of BIM software	Can be only one examination for the whole course			
	2.1.1 Common BIM software and platforms for various trades	L2								
	2.1.2 Key characteristics, file format & version, strength and limitation of common BIM software and platforms	L2								
	2.1.3 Interoperability across common BIM software and platforms	L2								
	<i>2.2. – Technologies and Construction Related Applications</i>		2	0						
	2.2.1 Internet & cloud	L1								
	2.2.2 Laser scanning & photogrammetry	L2								
	2.2.3 Unmanned Aircraft System (UAS) / Drone	L2								
	2.2.4 Geographic Information System (GIS)	L2								
	2.2.5 Common Spatial Data Infrastructure (CSDI), 3D Digital Map and 3D Photo-realistic Model by the HKSAR	L1								
	2.2.6 Internet of Things (IoT), Radio Frequency Identification (RFID), mobile or smart devices	L2								
	2.2.7 Virtual reality (VR), Augmented Reality (AR) and Mixed Reality (MR)	L2								
	2.2.8 Digital Twin	L2								
	2.2.9 Robotics	L1								
	2.2.10 Programming, automation and API	L1								
	2.2.11 MiC, MiMEP and DfMA	L2								
	2.2.12 Indoor positioning	L1								
	2.2.13 Artificial Intelligence (AI), Machine Learning and Large Language Model (LLM)	L1								
	2.2.14 Smart Site Safety System (4S) and Digital Works Supervision System (DWSS)	L1								



7. Timeline for New Enhancements to BIMCAS



- CCBM/CCBC completion certificates issued under the existing syllabus will remain valid after 1 October 2025, unless otherwise specified by CIC.



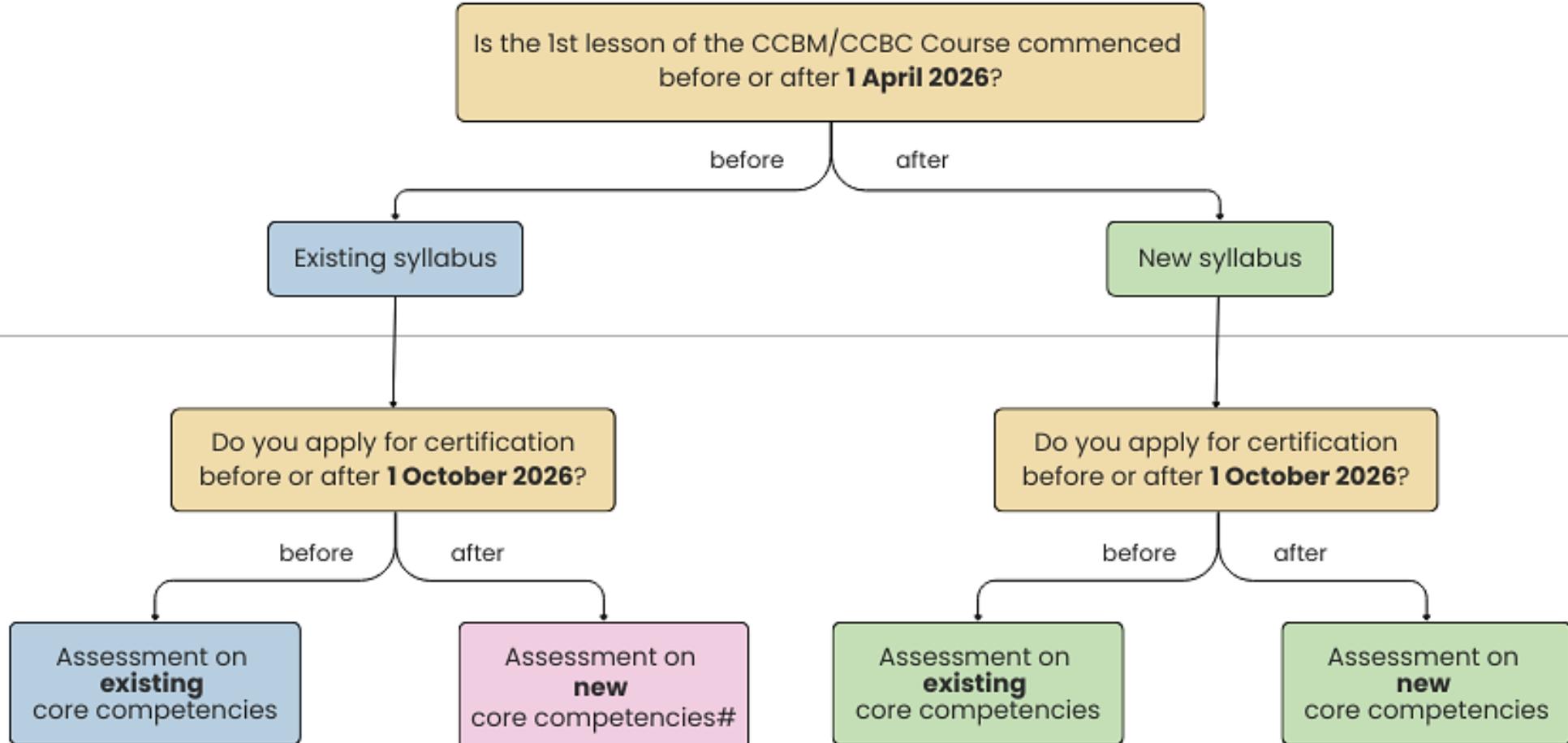


Identify Your Certification Assessment Path

Based on Class Commencement Date and Application Date

Class
Commencement
Date

Date of
Application for
Certification



Apply Now and Scan to Know More!



**Application Guide
for Certification of
CCBM**

**Application Guide
for Accreditation of
BIM Manager
Courses**

**List of
CIC-Accredited BIM
Manager Courses**

**Useful Forms and
Templates**

**Lazy Pack on
Enhancement 2026**

