CONSTRUCTION INDUSTRY COUNCIL
建造業議會

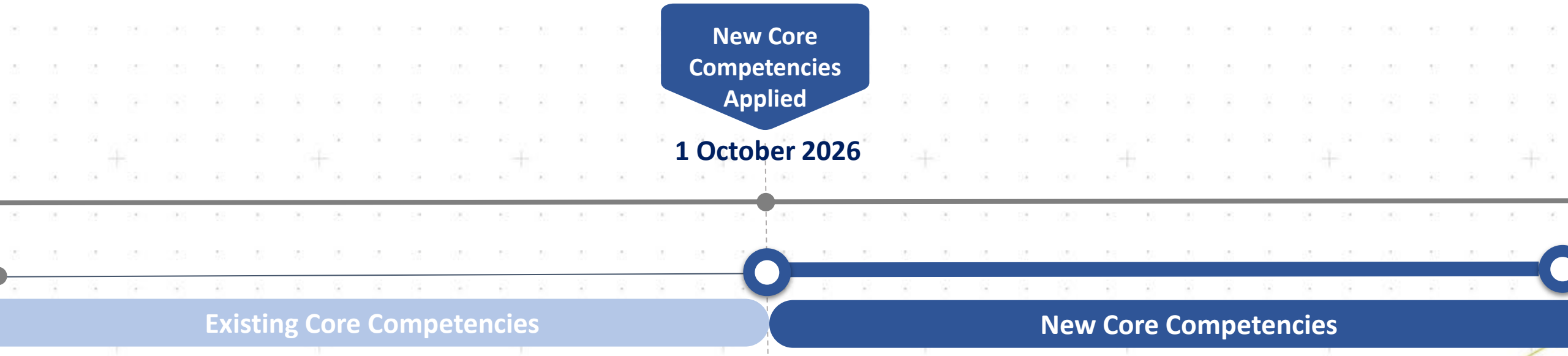
Lazy Pack

New Enhancements to Certification of BIM Coordinators & Accreditation of BIM Coordinator 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.

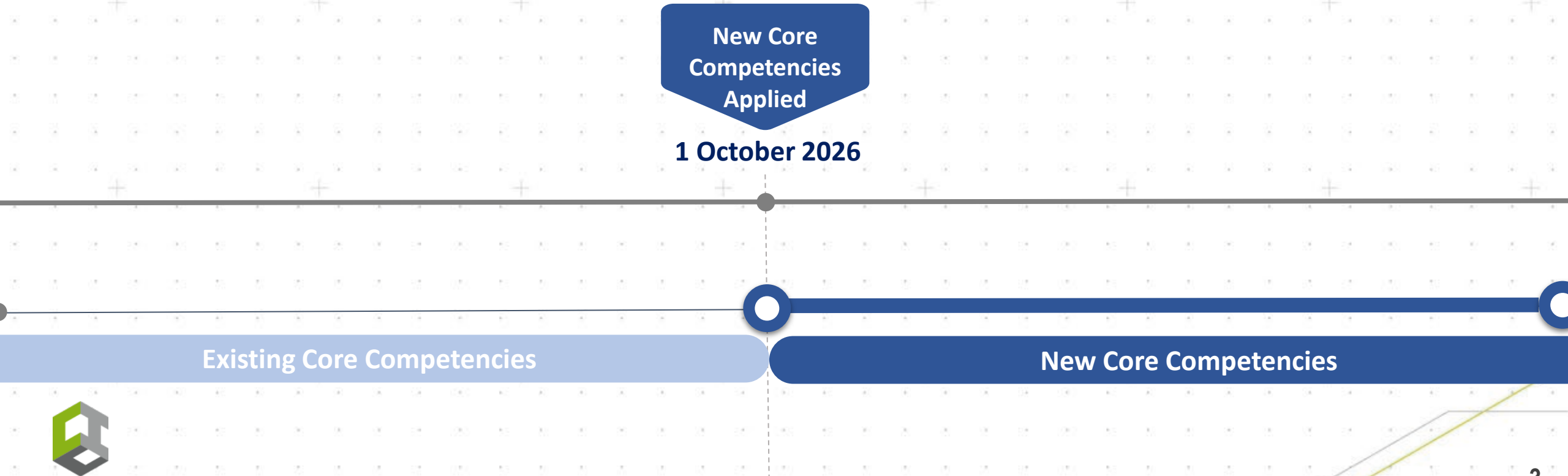
- The BIM Certification and Accreditation Schemes (BIMCAB) has approved the enhancements on 15 October 2025. These updates aim to maintain relevance and further strengthen the quality of BIM training and certification.



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 CCBC Core Competencies

- The wordings of the Core Competencies of a BIM Coordinator are **refined** to more accurately reflect the essential competencies that a BIM Coordinator 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 Hong Kong and global contexts.)	**1. BIM Initiation [Level 2]** (Ability to describe BIM concepts, definitions and scopes, BIM standards and guidelines in Hong Kong and global contexts.)
2. BIM Software and Technologies [Level 3] (Ability to operate BIM software and the modelling process, and describe current and relevant technologies.)	**2. BIM Software and Technologies [Level 3]** (Ability to operate BIM software/platforms in the modelling processes and digital information development, and describe various technologies associated with BIM.)
3. BIM Uses and Processes [Level 3] (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.)	**3. BIM Uses and Processes [Level 3]** (Ability to understand BIM uses, processes, apply BIM software/platform in project contexts, and execute and administer assigned BIM tasks for individual or cross-disciplinary coordination.)
4. Digital Information Management, Collaboration and Integration [Level 3] (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.)	**4. Digital Information Management, Collaboration and Integration [Level 3]** (Ability to execute and administer the operation of Common Data Environment and data quality control systems for effective digital information management, exchange and utilisation in BIM projects.)
5. Communication Skills [Level 3] (Ability to apply interpersonal and communication skills in meetings, report / training material writing, etc.)	**5. Communication Skills [Level 3]** (Ability to apply reasonable interpersonal and communication skills in meetings, reporting, training material development, etc.)

3. List of Detailed Core Competencies (New)

- The purpose of this new list is to more accurately reflect the essential competencies a BIM Coordinator 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	*1.1. – BIM Concept*	
	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
	1.2. – Local, Mainland & Global BIM development and standards	
	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)

	Detailed Core Competencies		Level of Competency
2. BIM Software and Technologies	*2.1. – BIM Software and Platforms*		
	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
	2.1.4	Operation of relevant BIM software	L3
	2.1.5	Technical advice on the operation of relevant BIM software	L3
	2.2. – Technologies and Construction Related Applications		
	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	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)

	Detailed Core Competencies		Level of Competency
3. BIM Uses and Processes	*3.1. – BIM Organisational Strategy and Requirements*		
	3.1.1	General understanding of the workflows in local construction projects	L1
	3.1.2	Overview of BIM strategy, uses and organisation	L2
	3.1.3	Key personnel in relation to BIM and their roles and responsibilities	L2
	3.1.4	BIM related documents such as Exchange Information Requirements (EIRs), Asset Information Requirements (AIRs), BIM Execution Plan (BEP) to be applied during the execution of BIM projects	L2
	3.1.5	Utilise various technologies to achieve BIM uses	L3
	3.2. – Administration of the BIM projects as a project BIM coordinator		
	3.2.1	Execute the BIM project in accordance with BEP and BIM standards	L3
	3.2.2	Develop and maintain the BIM models, data structures and linkages in accordance with BEP and BIM standards for various work stages.	L3
	3.2.3	Supervise the progress of developing single or multi-disciplinary BIM models	L3
	3.2.4	Coordinate and utilise the BIM models with internal teams and cross-disciplinary project stakeholders	L3
	3.2.5	Support and contribute to BIM-related meetings and documentations, including communication of coordination issues and model updates	L3
	3.3. – Execution of BIM Uses for single and multi-disciplinary coordination in BIM projects		
	3.3.1	Spatial Coordination and 3D Construction Coordination	L3
	3.3.2	Phase Planning (4D Modelling)	L3
	3.3.3	Design Reviews	L3
	3.3.4	Drawing Generation directly from BIM software / platforms	L3
	3.3.5	As-Built Modelling	L3

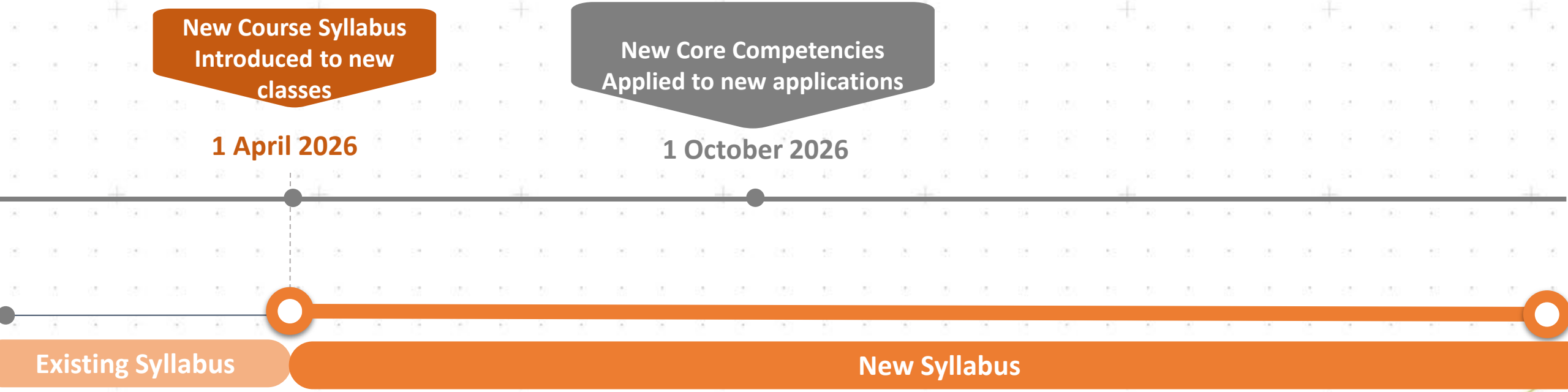
3. List of Detailed Core Competencies (New)

	Detailed Core Competencies		Level of Competency
4. Digital Information Management, Collaboration and Integration	*4.1. Digital Information Management*		
	4.1.1	Execute the BIM information and model exchange for multi-disciplinary collaboration	L3
	4.1.2	Maintain the Level of Information Need (LOIN) in terms of graphical, non-graphical, and documentation requirements for various work stages	L3
	4.1.3	Maintain the data structures and linkages of the BIM models within the BIM software/platform protocol for various work stages	L3
	4.1.4	Maintain accurate data set such as BIM-related coding systems, classifications, templates, standards, libraries, project files, drawings, design specifications and project schedules for BIM project execution	L3
	4.1.5	Execute the information exchange across various open / proprietary file formats (e.g. BCF, IFC, IDM, bsDD, COBie, MVD, IDS, etc.)	L3
	4.2. Common Data Environment (CDE)		
	4.2.1	CDE and the workflow as per ISO 19650	L2
	4.2.2	Common CDE solutions in the market	L2
	4.2.3	Administer and maintain a CDE	L3
	4.2.4	Execute the information exchange in a CDE	L3
	4.2.5	Limitation of CDE	L2
	4.3 – Data Quality Assurance & Audit across various work stages		
	4.3.1	BIM quality assurance and audit principles	L2
	4.3.2	Execute the BIM quality assurance, audit and checking for various work stages	L3
	4.3.3	Produce BIM quality assurance and audit reports for various work stages	L3

4. Timeline for New Enhancement to Accreditation

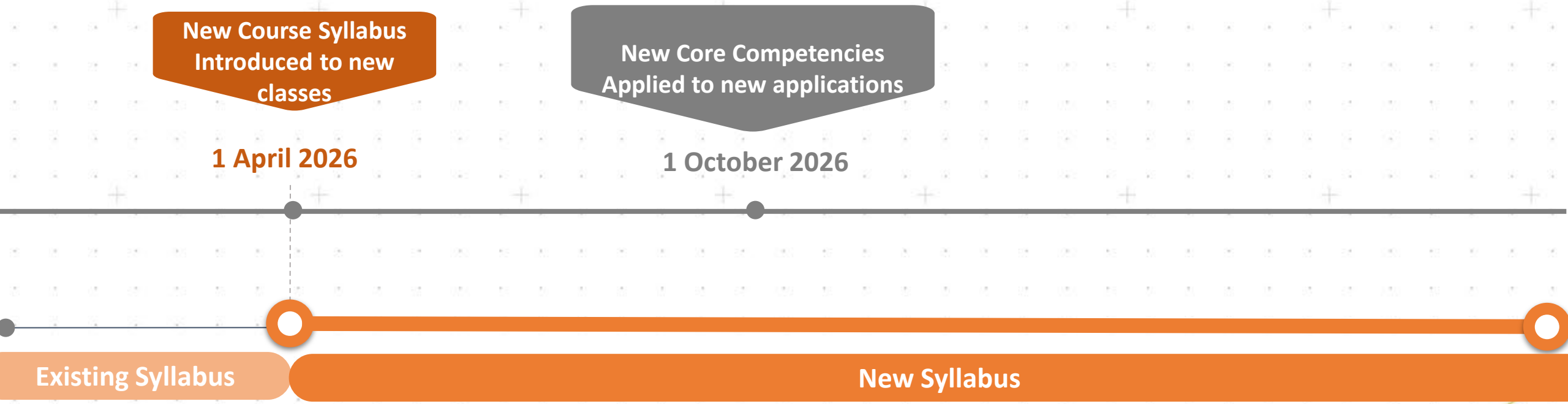
Effective Date

- 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 CCBC Course Syllabus

	Syllabus	Lecture Hours	Workshop Hours	Total Contact Hours	Exam Hours
BIM Coordinator Courses	Update on specific terminologies and detailed core subject items	Unchanged	Unchanged	**Unchanged**	Unchanged
BIM Coordinator Courses (Top-up)		5 to 2 hrs	14 to 10 hrs	**21 to 12 hrs**	2 to 1.5 hrs

For a detailed syllabus of CCBC course, please refer to
https://www.bim.cic.hk/Upload/page/46/file_1/431db6a3f5c3475b85c795d60e5e22bb.pdf

6. Enhancement to CCBC 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	*1.1. – BIM Concept*			1	0	1	Assignments can be in quiz, worksheet…etc. It can be arranged so that it won't occupy any curriculum hour.	Can be only one examination for the whole course
	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					
	1.2. – Local, Mainland & Global BIM development and standards			2	0			
	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 CCBC List of Core Subjects (Extract)

(New items highlighted in green)

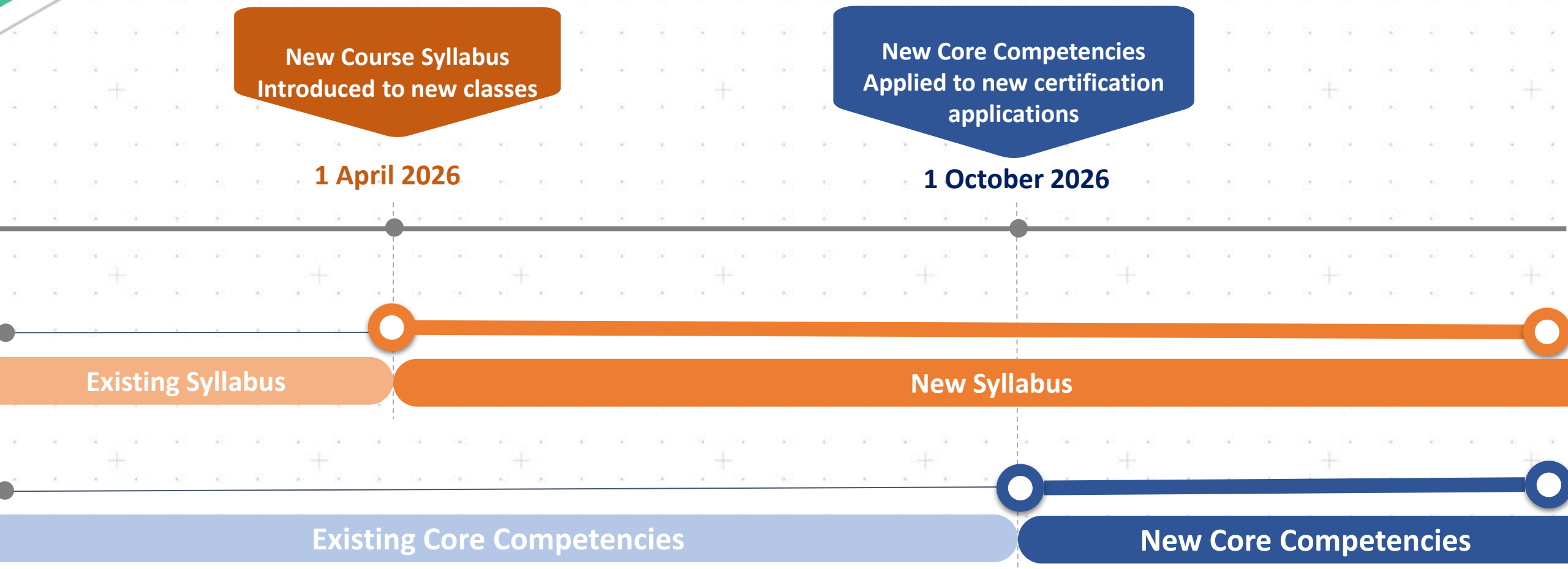
-	Core Subject		Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
2. BIM Software and Technologies	*2.1. – BIM Software and Platforms*			1	0	1	Participants are suggested to spend their own time on getting know the BIM software. E.g. Homepage of BIM software	Can be combined with other Core Subject Groups to have a single examination
	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					
	2.1.4	Operation of relevant BIM software	L3	** This Core Subject is optional for a CIC-Accredited BIM Coordinator Course*				
	2.1.5	Technical advice on the operation of relevant BIM software	L3	**Require practicing hours which vary from different BIM software (* This Core Subject is optional for a CIC-Accredited BIM Coordinator Course)*				
	2.2. – Technologies and Construction Related Applications			2	0		Participants are suggested to spend their own time on getting know various technologies related to BIM.	
	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	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	0	1		

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

(New items highlighted in green)

-		Core Subject	Level of Competency (for ref.)	Minimum curriculum hours		Assessment		
				Lecture	Workshop	No. of Assignment	Description	Examination
3. BIM Uses and Processes		*3.1. – BIM Organisational Strategy and Requirements*						Can be combined with other Core Subject Groups to have a single examination
	3.1.1	General understanding of the workflows in local construction projects	L1	* *This Core Subject is optional for a CIC-Accredited BIM Coordinator Course*				
	3.1.2	Overview of BIM strategy, uses and organisation	L2	2	0	1	Participants are suggested to spend their own time on essential, reference or further readings. Assignment can be incorporated into workshop.	
	3.1.3	Key personnel in relation to BIM and their roles and responsibilities	L2					
	3.1.4	BIM related documents such as Exchange Information Requirements (EIRs), Asset Information Requirements (AIRs), BIM Execution Plan (BEP) to be applied during the execution of BIM projects	L2					
	3.1.5	Various technologies to achieve BIM uses	L3					
		3.2. – Administration of the BIM projects as a project BIM coordinator		2	7			
	3.2.1	BIM project execution in accordance with BEP and BIM standards	L3					
	3.2.2	BIM models, data structures and linkages in accordance with BEP and BIM standards for various work stages.	L3					
	3.2.3	The progress of developing single or multi-disciplinary BIM models	L3					
	3.2.4	Coordination and utilisation of the BIM models with internal teams and cross-disciplinary project stakeholders	L3					
	3.2.5	BIM-related meetings and documentations, including communication of coordination issues and model updates	L3					
		3.3. – Execution of BIM Uses for single and multi-disciplinary coordination in BIM projects		2		1		
	3.3.1	Spatial Coordination and 3D Construction Coordination	L3		3			
	3.3.2	Phase Planning (4D Modelling)	L3		3			
	3.3.3	Design Reviews	L3		1			
	3.3.4	Drawing Generation directly from BIM software / platforms	L3		2			
	3.3.5	As-Built Modelling	L3		1			
				6	17	2		

7. Timeline for New Enhancements to BIMCAS

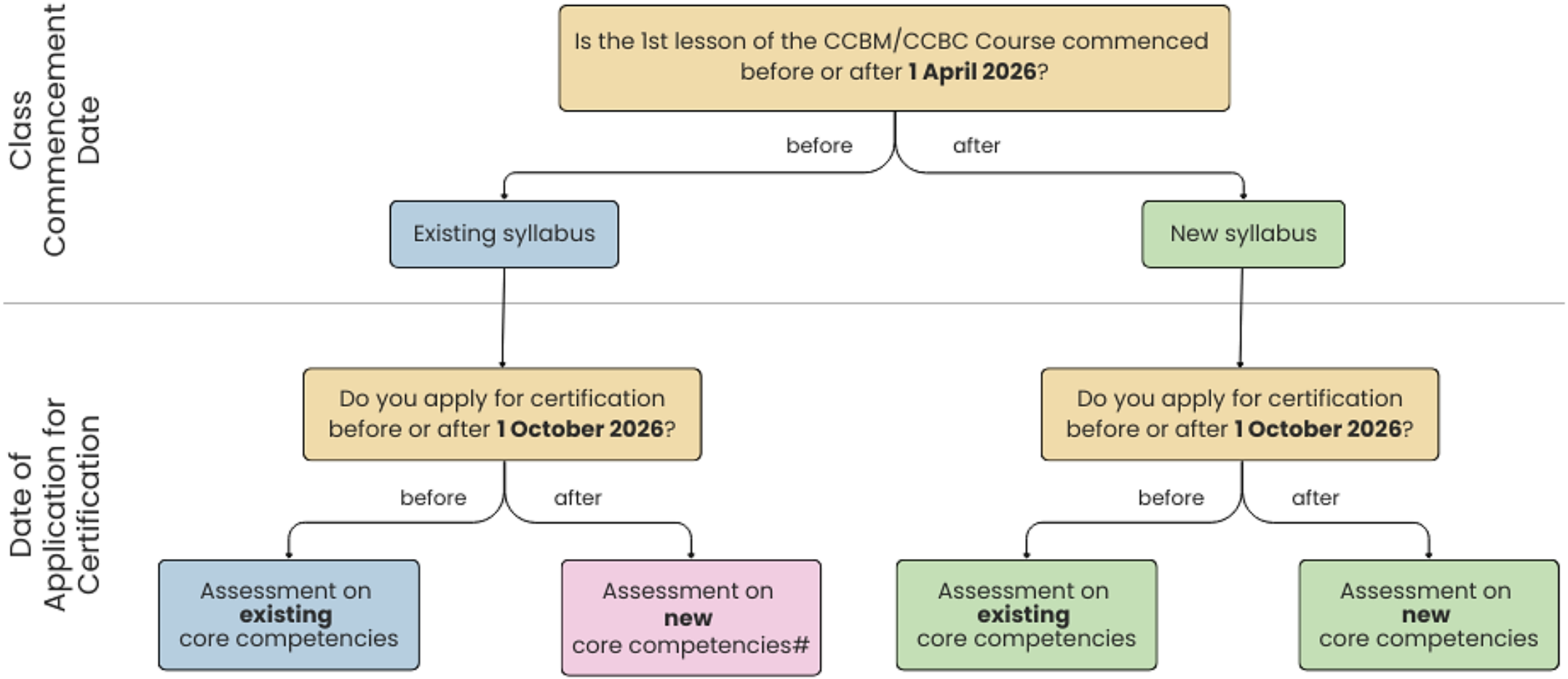


- **CCBM/CCBC completion certificates issued under the existing syllabus will remain valid after 1 October 2025, unless otherwise specified by CIC.**

IMPORTANT

Identify Your Certification Assessment Path

Based on Class Commencement Date and Application Date



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Application Guide for Certification of CCBC	**Application Guide for Accreditation of BIM Coordinator Courses**	**List of CIC-Accredited BIM Coordinator Courses**	**Useful Forms and Templates**	**Lazy Pack on Enhancement 2026**