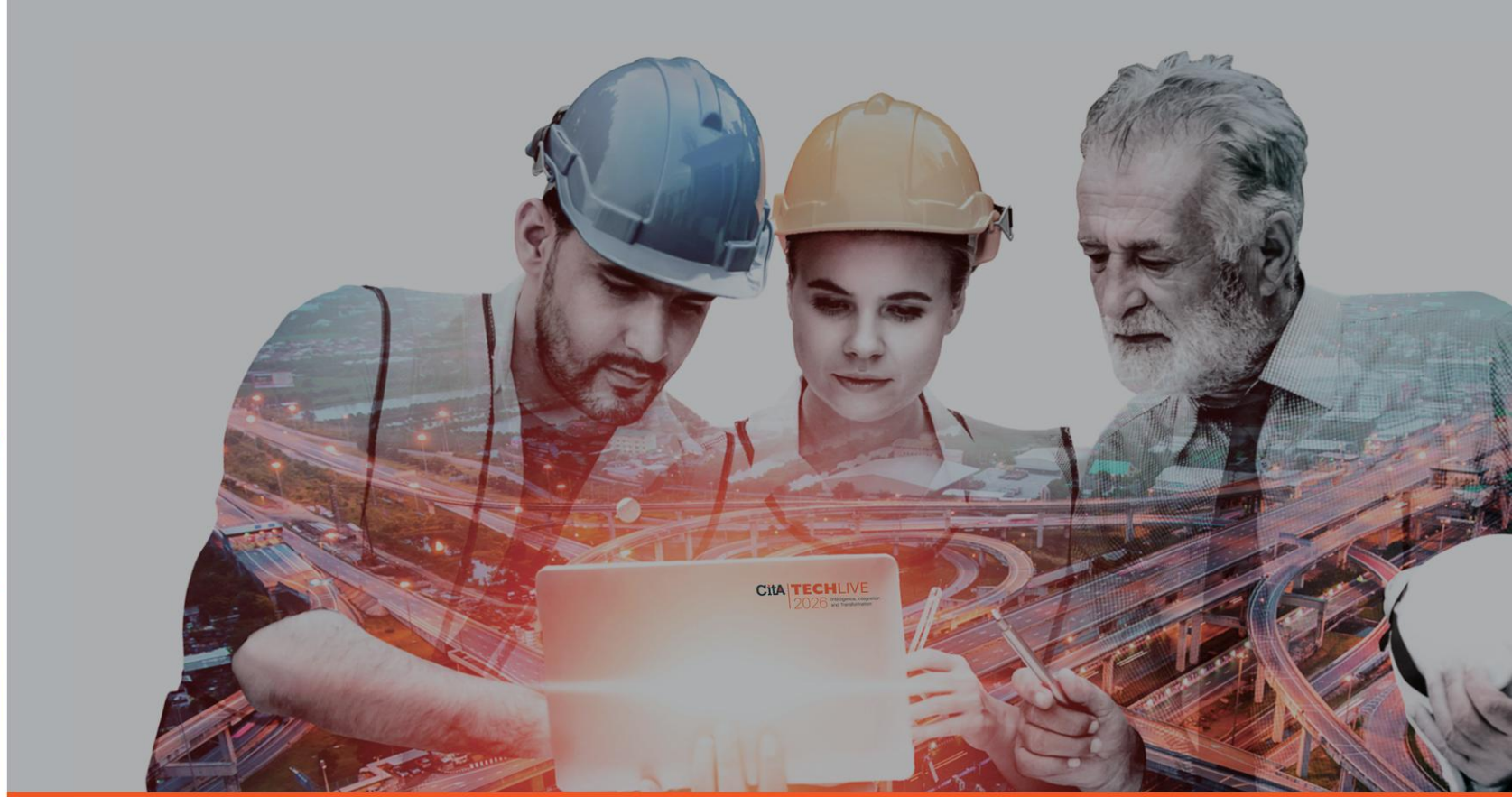
CitA | TECHLIVE 2026
Intelligence, Integration and Transformation



Dexcom Stadium, Galway,
12th November 2026



Shaping the Future of Construction

Davitt Lamon
NSAI

Patterns, Problems, Progress: What seven years of audit evidence tells us about ISO 19650

Patterns, Problems, Progress

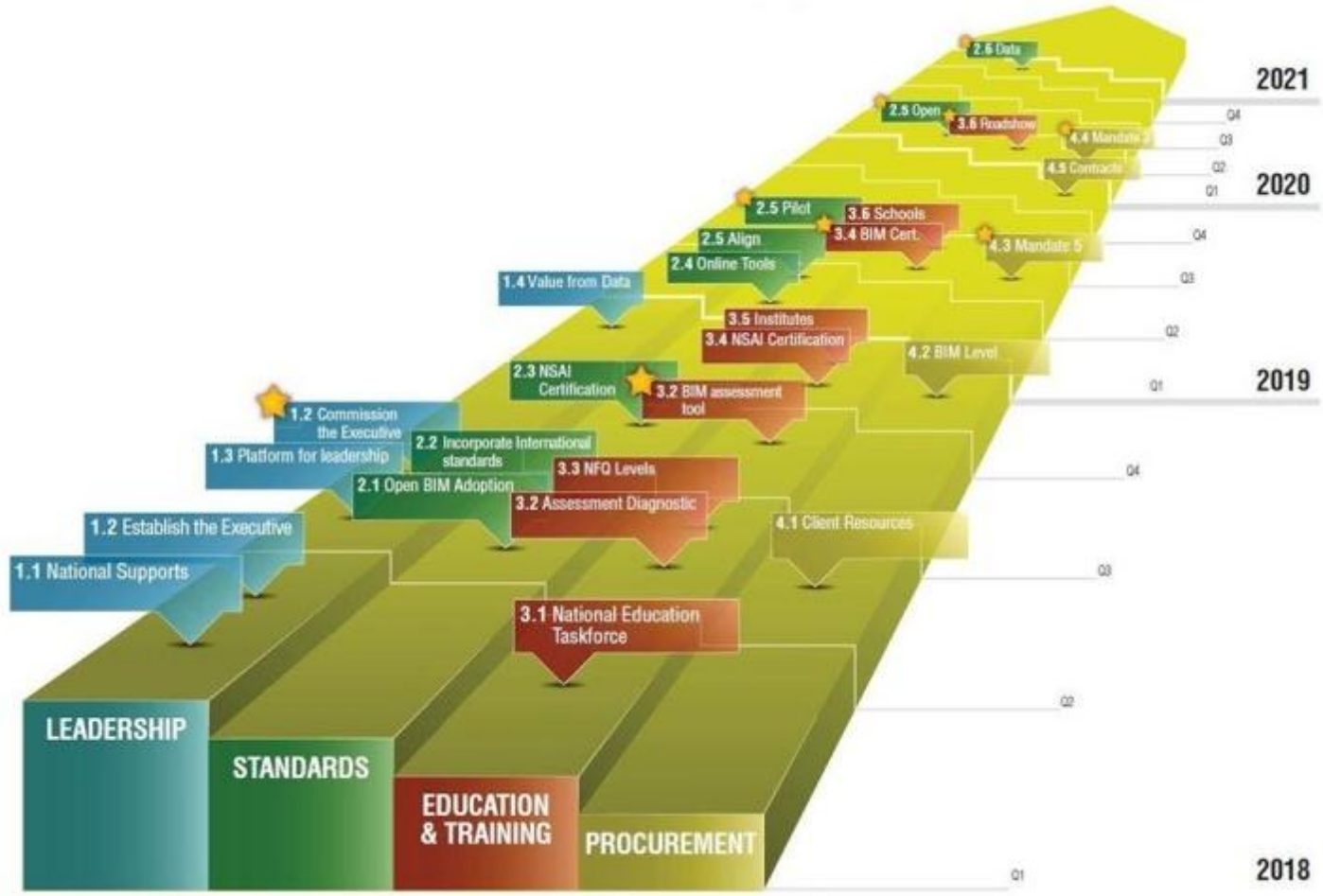
Public



Roadmap to Digital Transition

For Ireland's Construction Industry 2018-2021

NBC – National BIM Council





Roadmap to Digital Transition

Recommendation 1 **National BIM Centre**	Recommendation 2 **Adopt IM & openBIM**	Recommendation 3 **Education & Skills**	Recommendation 4 **Public Procurement**
Establish a National BIM Centre of Excellence supporting digital transformation of the sector	Adopt open, internationally recognised BIM standards	Establish a national BIM education framework	Build public-sector BIM awareness and leadership
Appoint dedicated leadership and implementation support	Proactive role in the development of International and European Standards	An online BIM self-assessment tool for companies to identify training needs	Provide role-specific practical guidance for procuring authorities adopting BIM
Connect government, industry and key stakeholders	Government and industry support for NSAI to develop BIM certification schemes	Develop consistent learning outcomes and openBIM training certified by NSAI	Support a public-sector BIM mandate and embed BIM within public works procurement
Build international collaboration and shared vision	Provide national tools and align public processes with standards	Embed digital skills across professions and education, including second-level	Improve asset management through digital information, tools, and processes



Problems

Organisation Type
Enables comparison across different organisation types

Scope / Role
Identifies the organisation's scope and delivery role

Year
Supports year-on-year comparison of findings

Audit Reports

Source records used to identify common problems and trends

Clause
Identifies the requirement of each finding

Finding
Records the specific problem identified

Category
Groups related problems by severity

BIM Department

Non-Conformity Data ☆

Company Type	Scope	Year	Audit Type	Standard	Auditor	Clause No.	Finding	Category
CS Engineer	Appointed Party	2020	Stage 2	ISO19650-2:2018	FOB	5.6.3	Internal audit schedule noted as significantly behind planned completion dates for that planned for the year. It is unclear as to how BIM projects are systemically subject to internal audit controls.	Major
CS Engineer	Appointed Party	2020	Stage 2	ISO19650-2:2018	FOB	5.3.6	It is unclear what action takes place if after mitigation, the risk still stays as a red risk.	Minor
CS Engineer	Appointed Party	2020	Stage 2	ISO19650-2:2018	FOB	5.5.3	No evidence that production methods and procedures of project reviewed was tested as required, e.g. upload to Client CDE.	Minor
CS Engineer	Appointed Party	2020	Stage 2	ISO19650-2:2018	FOB	5.7.4	No evidence that the project under review was subject to review of the information model in accordance with this clause.	Minor
CS Engineer	Appointed Party	2020	Stage 2	ISO19650-2:2018	FOB	5.6	Integrate information production procedure with management system.	OFI
Specialist Consu...	Appointed Party	2022	SURV	ISO19650-2:2018	FOB	5.3.4	No evidence of response from task team member for - Capability & Capacity from [redacted].	Minor
Main Contractor	Appointed Party Lead Appointed...	2025	SURV	ISO19650-2:2018	FOB	5.3.4	The integration of BIM related requirements with other matters may be captured on a single vendor assessment questionnaire process.	OFI
Main Contractor	Appointed Party Lead Appointed...	2025	SURV	ISO19650-2:2018	FOB	5.3.4	A cross-function BIM training matrix capturing the full team any aid gap identification and resource requirements.	OFI
Main Contractor	Appointed Party Lead Appointed...	2024	SURV	ISO19650-2:2018	FOB	5.4.4	Project [redacted]. It is unclear as to why no supply chain questionnaire was completed by [redacted]. No evidence of a TIDP returned by [redacted].	Minor
Main Contractor	Appointed Party Lead Appointed...	2024	SURV	ISO19650-2:2018	FOB	5.3.2	Project [redacted]. [redacted] (Task Team member) drawings and TIDP. There is a need to clarify file naming – drawing number and requirements in the BEP. See drawings: [redacted] and [redacted].	Minor
Main Contractor	Appointed Party Lead Appointed...	2024	SURV	ISO19650-2:2018	FOB	5.6.5	Consider capturing 'cloud' changes on Task Team drawings as a requirement to assist in identifying recent drawing changes / updates.	OFI
Main Contractor	Appointed Party	2024	SURV	ISO19650-2:2018	FOB	5.4.5	Consider ensuring consistent TIDP templates for Task Teams members to ensure consistent data is returned for MIDP compilations.	OFI
Main Contractor	Appointed Party Lead Appointed...	2021	Stage 2	ISO19650-2:2018	FOB	5.6.5	[redacted]. Appendix to clash detection meeting minutes shows different model revision levels to that in the current model: [redacted] at P02 and [redacted] at P00 whereas these units are at later models revisions.	Minor

Company Type

Scope / Role

Year

Clause

Finding

Category



Patterns

5.1 - 5.2 **Growing Client Engagement** – The Irish BIM Mandate is strengthening client and industry engagement, accelerating progress despite uneven organisational maturity levels.

5.6 - 5.7 **Effective Digital Delivery** – Organisations are effectively using CDEs and digital construction technologies to manage, coordinate and share project information efficiently and securely.

5.5.1 **Strong Learning Ecosystem** – Ireland offers extensive university programmes and short courses, with Skillnet and Springboard+ funding making BIM upskilling accessible.

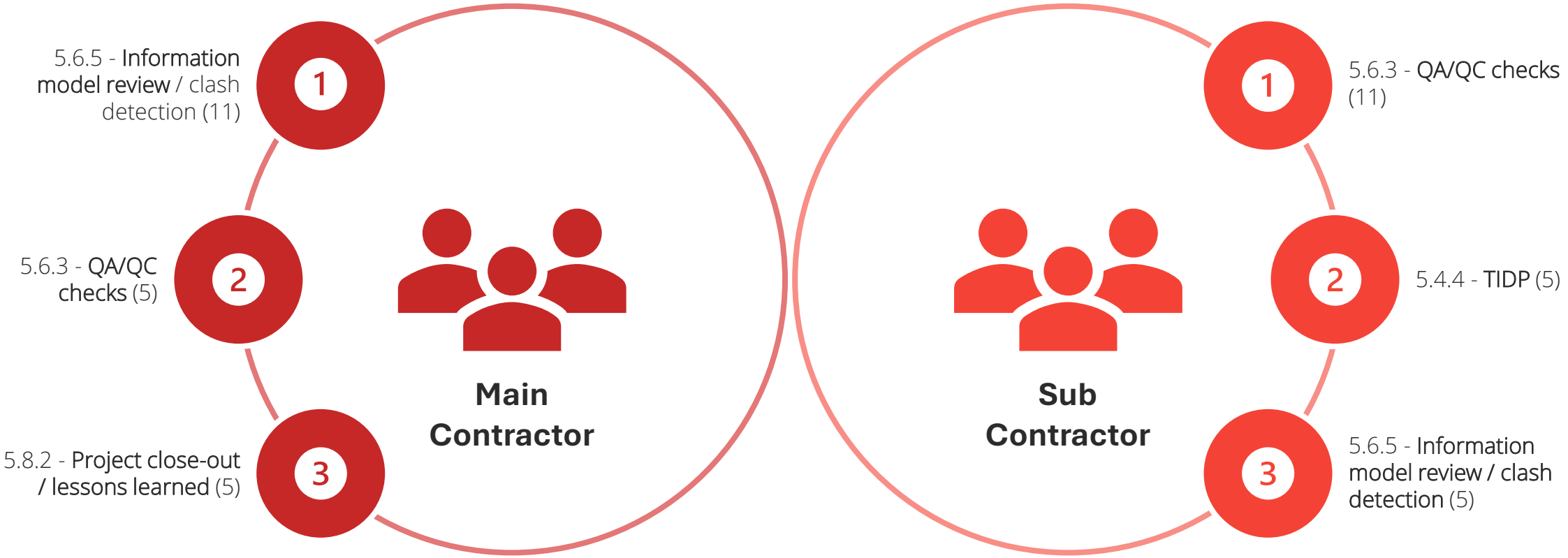
5.6.3 **QA/QC checks** (35 findings) - Findings frequently cite missing or undocumented checks before CDE uploads, unclear checklists, inconsistent audit processes, and opportunities to standardize records.

5.4.4 **TIDPs** (32 findings) - Findings commonly concern absent, incomplete, or outdated TIDPs, missing deliverables and dates, naming inconsistencies, and mismatches with MIDPs and records.

5.8.2 **Capture lessons learned** (31 findings) - Findings focus on documenting and sharing project lessons learned with clients, supporting consistent close-out and improved practices for future projects.

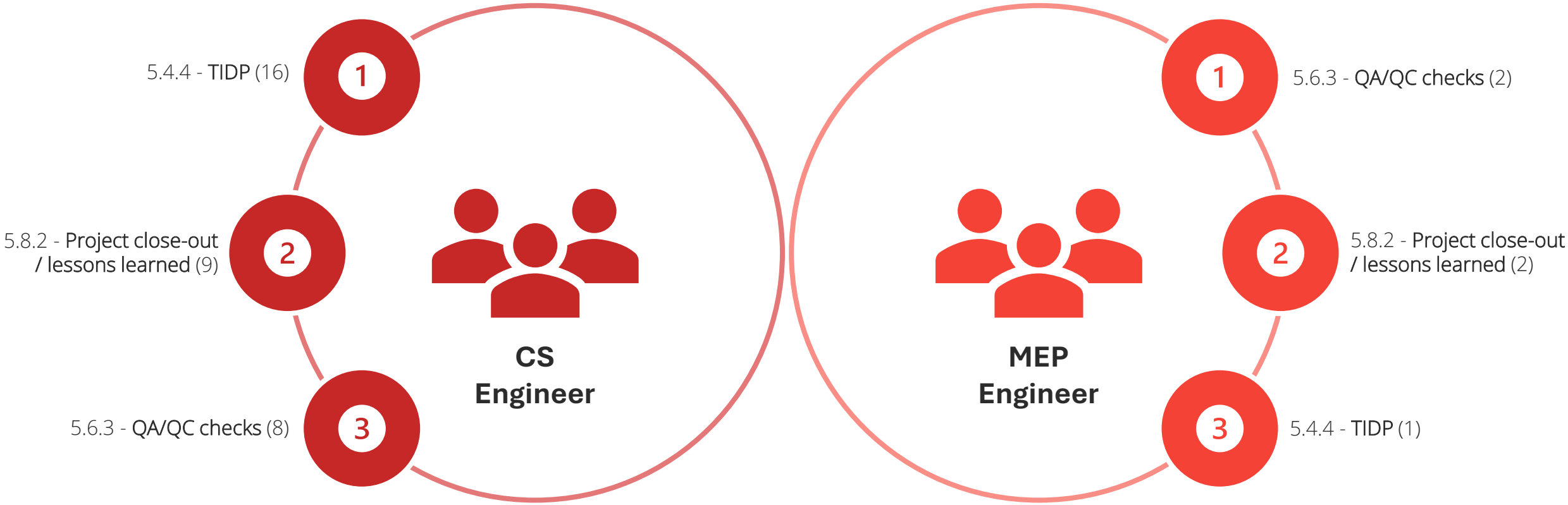


Patterns


5.6.5 - Information model review / clash detection (11)
1
5.6.3 - QA/QC checks (5)
2
5.8.2 - Project close-out / lessons learned (5)
3
Main Contractor
Sub Contractor
1
5.6.3 - QA/QC checks (11)
2
5.4.4 - TIDP (5)
3
5.6.5 - Information model review / clash detection (5)



Patterns


5.4.4 - TIDP (16)
1
5.8.2 - Project close-out / lessons learned (9)
2
5.6.3 - QA/QC checks (8)
3
CS Engineer
MEP Engineer
1
5.6.3 - QA/QC checks (2)
2
5.8.2 - Project close-out / lessons learned (2)
3
5.4.4 - TIDP (1)



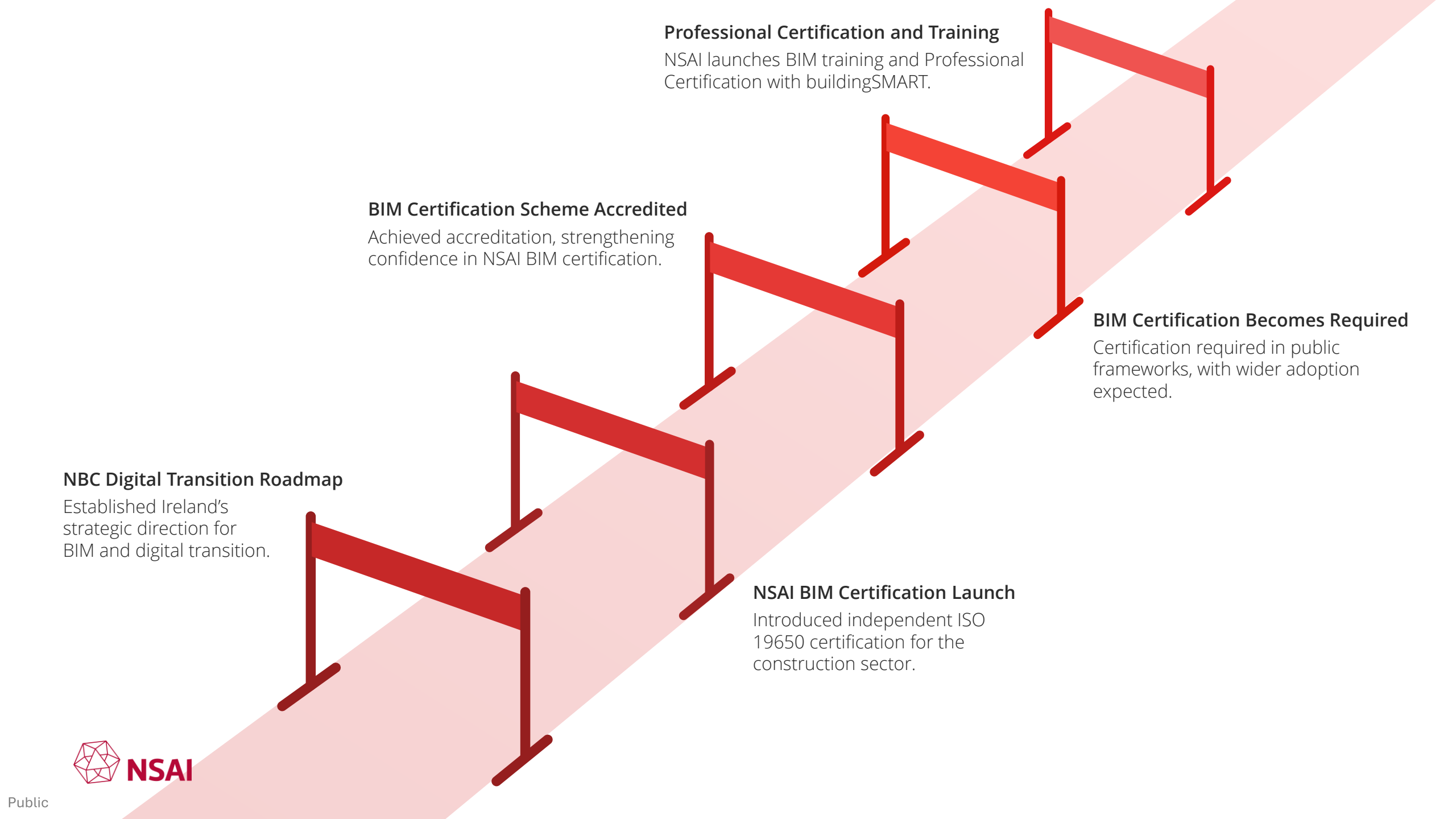
Patterns

Architect

1. 5.8.2 - Project close-out / lessons learned (7)
2. 5.3.2 - BIM Execution Plan (6)
3. 5.6 - Collaborative production of information (6)

Specialist Consultant

1. 5.3.3 - Capability and capacity assessment (6)
2. 5.4.5 - MIDP aggregation (5)
3. 5.6.3 - QA/QC checks (5)


Professional Certification and Training
NSAI launches BIM training and Professional Certification with buildingSMART.
BIM Certification Scheme Accredited
Achieved accreditation, strengthening confidence in NSAI BIM certification.
BIM Certification Becomes Required
Certification required in public frameworks, with wider adoption expected.
NBC Digital Transition Roadmap
Established Ireland's strategic direction for BIM and digital transition.
NSAI BIM Certification Launch
Introduced independent ISO 19650 certification for the construction sector.

NSAI

Public


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Thank you for your time