



UKBIM  
ALLIANCE

# CITA BIM Gathering 2019

Delivering Better Outcomes for Irish Construction

# David Glennon

## BSUKI Chair | Executive Team

# About Implementation (BIM as Business as Usual)

- Implementation is the new reference for 'projects' – the tangible outputs developed by industry for industry.
- The term 'implementation' reminds us all of our objective - BIM as business as usual
- Projects completed include:
  - Winfield Rock Report
  - Going Digital
  - A Fresh Way Forward for Project Data
  - Constructing plain language



Implementation co-leads

Sarah Davidson



David Glennon

# Implementation: plans for 2019

## Q2 2019

- Release of the BS 19650 series concepts guidance
- Release of call for BIM Maturity & Benefits Measurement Tools

## Q3 2019

- Release of the 2<sup>nd</sup> edition BS 19650 series concepts guidance
- Release of the 1<sup>st</sup> edition BS 19650 series process guidance
- Progression of BIM Maturity & Benefits Measurement Tools research
- Kier (Robert Toon) This is change event (25 Sep)

## Q4 2019

- Release of the 3<sup>rd</sup> edition BS 19650 series concepts guidance
- Release of the 2<sup>nd</sup> edition BS 19650 series process guidance
- Final report BIM Maturity & Benefits Measurement Tools research
- Release: BIM survey Andy Boutle
- Shaun Farrell: CDE procurement guidance



# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance



Collaborative team effort

Authoring  
group

Focus  
group

Feedback

UKBIM  
ALLIANCE  
Enabling Digital Transformation

cdbb  
Centre for Digital Built Britain

bsi.

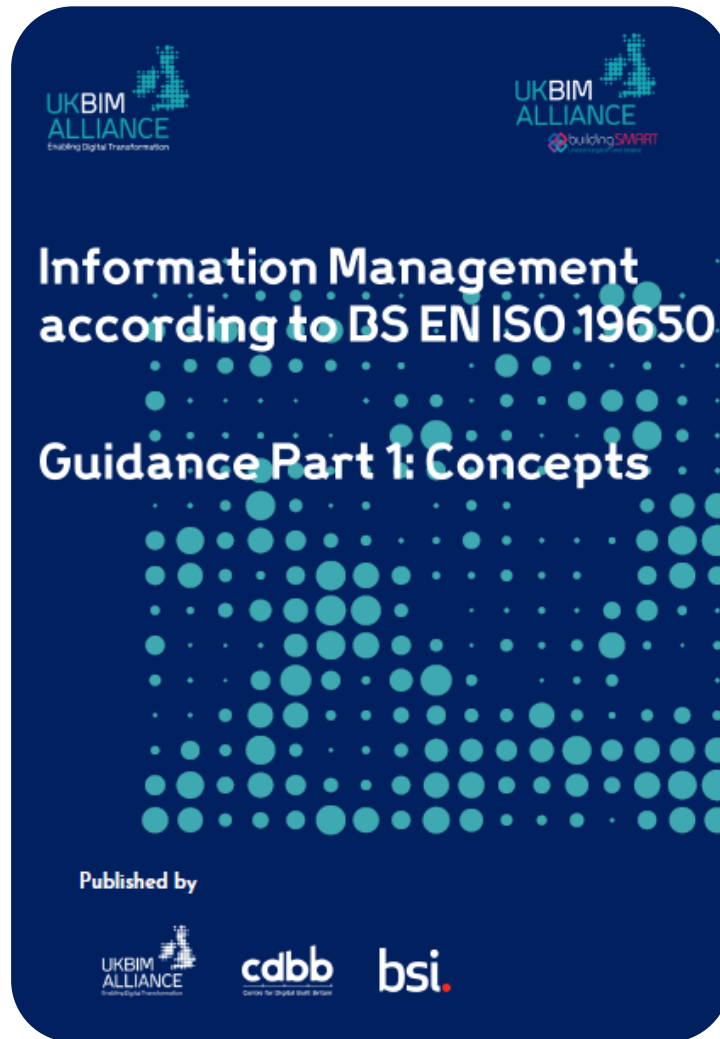
# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

Guidance release calendar					
Date	19650-1 Concepts	19650-2 Delivery	19650-3 Asset Man	19650-4 Data	19650-5 Security
2Q2019	1 <sup>st</sup> ed				
3Q2019	2 <sup>nd</sup> ed	1 <sup>st</sup> ed			
4Q2019		2 <sup>nd</sup> ed			
1Q2020		3 <sup>rd</sup> ed			
2Q2020		4 <sup>th</sup> ed			
3Q2020					
4Q2020					1 <sup>st</sup> ed
1H2021			1 <sup>st</sup> ed		2 <sup>nd</sup> ed
2H2021			2 <sup>nd</sup> ed	?	

# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance



### Part 1: Concepts

#### 1<sup>st</sup> edition released April 2019

- High level principles of implementation
- Target audience – new users
- Information requirements and delivery
- The National Annex
- Legal and contractual guidance note

#### 2<sup>nd</sup> edition released July 2019

- Edits
- Feedback

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Free download at [www.ukbimalliance.org](http://www.ukbimalliance.org)

# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

**Information management  
according to BS EN ISO 19650**

**Guidance Part 2:  
Processes for Project Delivery**

Published by



### **Part 2 processes for project delivery**

#### **Approach:**

- ✓ Incremental release
- ✓ Interactive easy to navigate version + pdf download
- ✓ Different routes of navigation
  - ✓ You can read start to finish, or
  - ✓ Navigate through the guidance depending on the what party you are, what activity you want to understand about, what theme you want to learn more about

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

**Information management  
according to BS EN ISO 19650**

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Area 1

Understanding your role and the team context

Area 2

Understanding information about primary themes

Area 3

Insight text associated with ISO 19650-2 clause 5 sub-clauses

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

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**1<sup>st</sup> edition released July 2019**

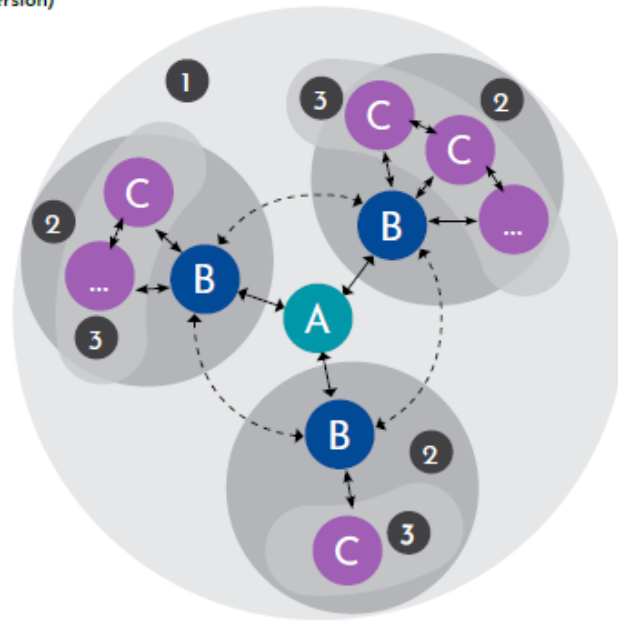
Area 1

Understanding your role and the  
team context

# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

Interfaces between parties and teams  
(simplified version)



Key:

- |                               |                        |
|-------------------------------|------------------------|
| <b>A</b> Appointing Party     | <b>1</b> Project Team  |
| <b>B</b> Lead Appointed Party | <b>2</b> Delivery Team |
| <b>C</b> Appointed Party      | <b>3</b> Task Team     |

Image reproduced with permission from BSI

1<sup>st</sup> edition released July 2019

Your key activities and outputs

The clauses that you need to be aware of

Your activity profile

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

22 | Guidance Part 2: Processes for Project Delivery

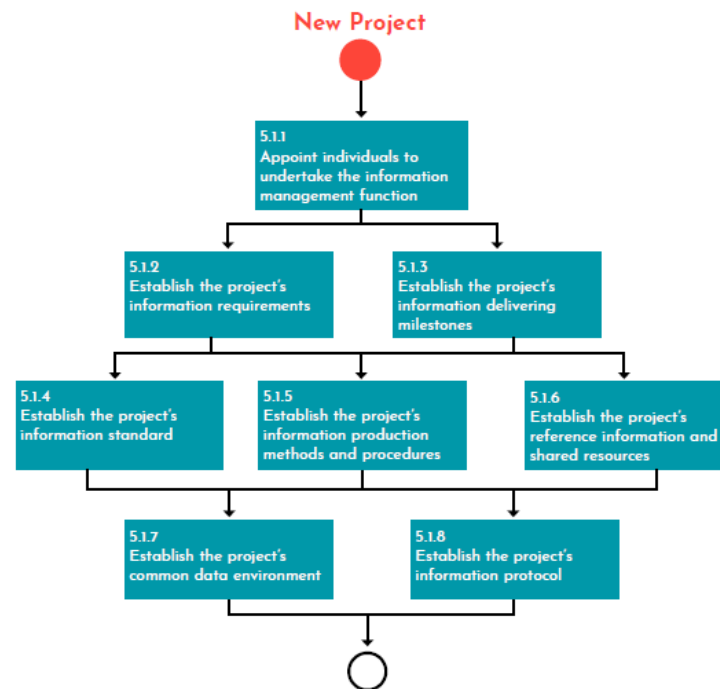
What type of party are you?



### Information Management Process Summary

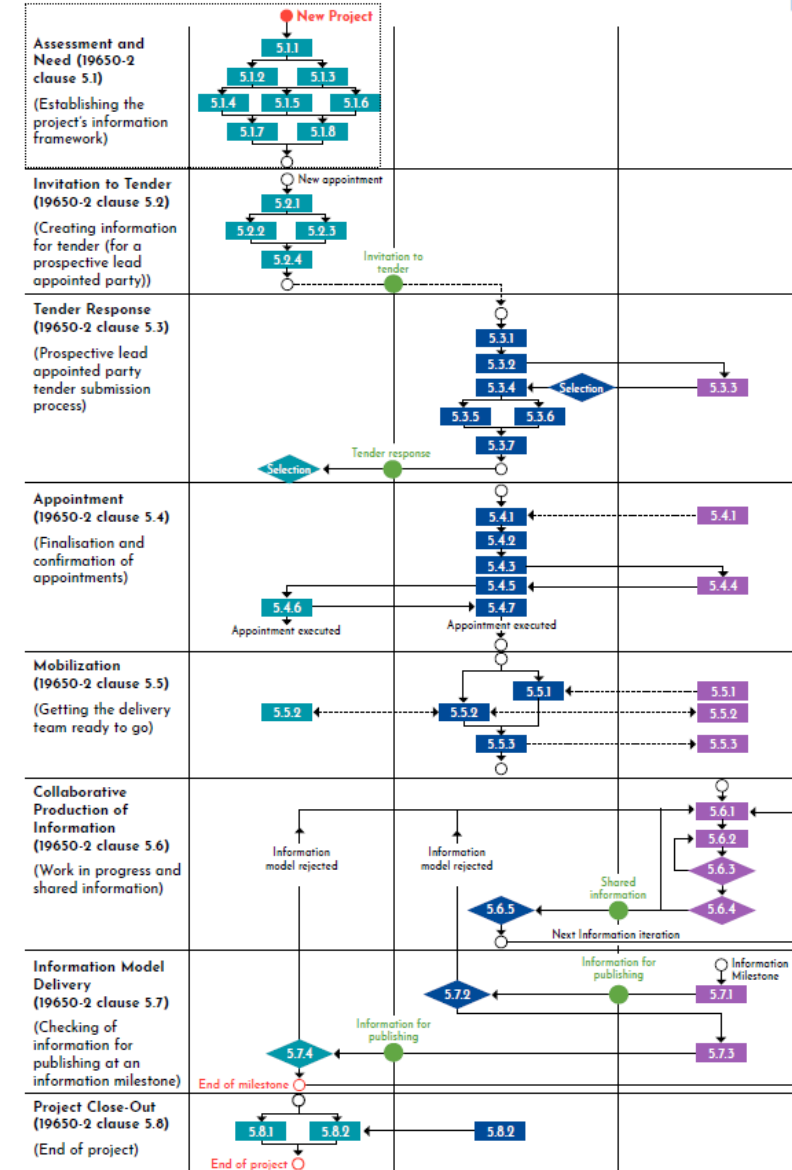
#### Assessment and Need (19650-2 clause 5.1)

(Establishing the project's information framework)



Next step

23



# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

Information management  
according to BS EN ISO 19650

Guidance Part 2:  
Processes for Project Delivery

Published by



**2<sup>nd</sup> edition to be released October 2019**

Area 1

Understanding your role and the team context

Area 2

Understanding information about primary themes:

- **Common data environments**

Area 3

Insight text associated with ISO 19650-2 clause 5 sub-clauses:

- **Project level clauses**

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

Information management  
according to BS EN ISO 19650

Guidance Part 2:  
Processes for Project Delivery

Published by



3<sup>rd</sup> edition to be released January 2019

Area 1

Understanding your role and the team context

Area 2

Understanding information about primary themes:

- Common data environments
- **BIM Execution plan**
- **Information requirements**
- **Level of information need**
- **Open data**

Area 3

Insight text associated with ISO 19650-2 clause 5 sub-clauses:

- Project level clauses
- **Appointment level clauses**

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

Information management  
according to BS EN ISO 19650

Guidance Part 2:  
Processes for Project Delivery

Published by



4<sup>th</sup> edition to be released April 2020

Area 1

Understanding your role and the team context

Area 2

Understanding information about primary themes:

- Common data environments
- BIM Execution plan
- Information requirements
- Level of information need
- Open data
- **Information delivery planning**

Area 3

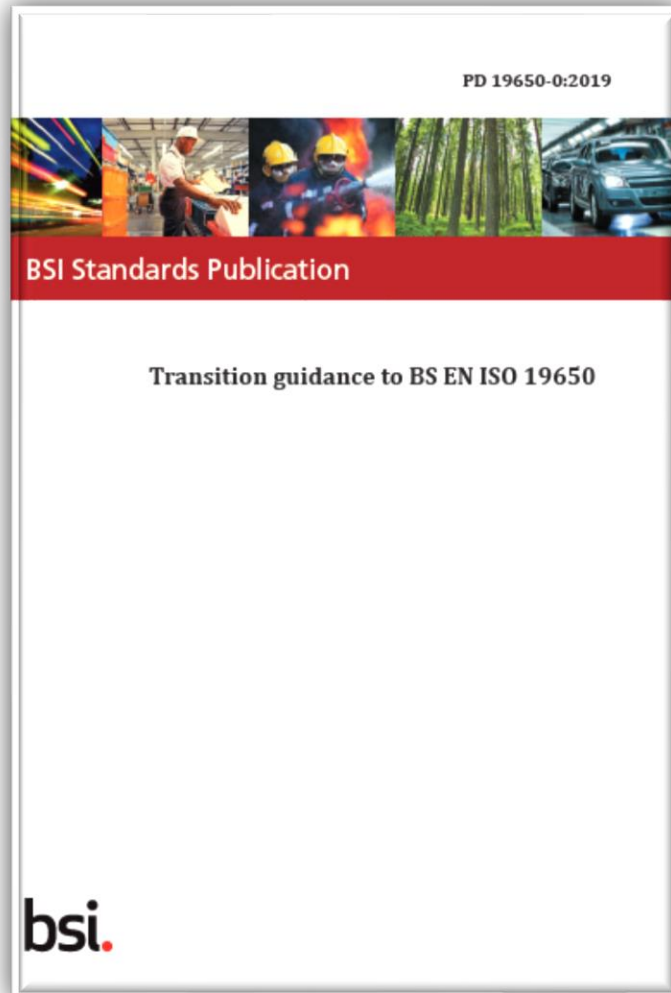
Insight text associated with ISO 19650-2 clause 5 sub-clauses:

- Project level clauses
- Appointment level clauses

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# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance



### Transition guidance to BS EN ISO 19650

*'The purpose of this transition guidance is to help the readers and users of the UK standards familiarize themselves with the ISO 19650 standards as quickly and as easily as possible, and to move away from the UK standards that have now been superseded. As such, this transition guidance is not aimed at those who are brand new to these standards of information management'*

# Information management according to the ISO 19650 series

## UK BIM Framework: Guidance

### Summary:

- Guidance is developing to support each released standard within the ISO 19650 series
- Guidance will take the form of multiple editions to reflect the incremental development plus action against edits and feedback
- Guidance is available free of charge via the UK BIM Alliance, CDBB and BSi – it will soon be available via a UK BIM Framework website
- Your participation is welcomed:
  - You can participate in development of guidance content and/or review
  - Please let us have your feedback on released guidance

# BIM Maturity & Benefit Measurement



## Overview

The Centre of Digital Built Britain in partnership with the UK BIM Alliance invites proposals to conduct a research project to investigate BIM maturity and benefits tools evaluation.

## Key dates

Forthcoming proposal advertised	Tuesday 14 May 2019
Call for proposal pack available	Monday 20 May 2019
Registration of interest to be received by	16.00 Thursday 6 June 2019
Cut off time and date for receipt of queries/requests for information	16.00 Thursday 6 June 2019
CDBB responds to requests for information (to all registered applicants)	Friday 7 June 2019
Closing time and date for receipt of proposals	16:00 Friday 14 June 2019
Target date to inform the successful applicant	Friday 28 June 2019
Project launch meeting	Monday 1 July 2019
Earliest project start date	Monday 1 July 2019
Latest date for submission of final project report	Friday 25 October 2019



# BIM Maturity & Benefit Measurement



The problem we need to resolve is twofold:

1. There is limited understanding/evidence of the BIM maturity tools available to the UK construction and asset management industries, their scope or their application. The maturity tools that are available:
  - a. may not be fit for purpose, resulting in duplicated effort in building different tools from scratch in different organisations.
  - b. may not be relevant to operational asset management.
2. There is limited, compelling evidence of the benefits/return on investment of BIM adoption at either a project or organisational level for design, construction and/or asset operation activities.

The opportunity

Having comprehensive insight into both problem areas would enable us to:

- Establish where the gaps in BIM maturity and benefits measurement are in respect of asset design, construction, operation and decommissioning.
- Promote the benefits/return on investment (as currently evidenced/perceived) of the adoption of a UK BIM Framework<sup>1</sup> ).

# buildingSMART News

## David Glennon & Emma Hooper

# BUILDINGSMART UK&I UPDATE

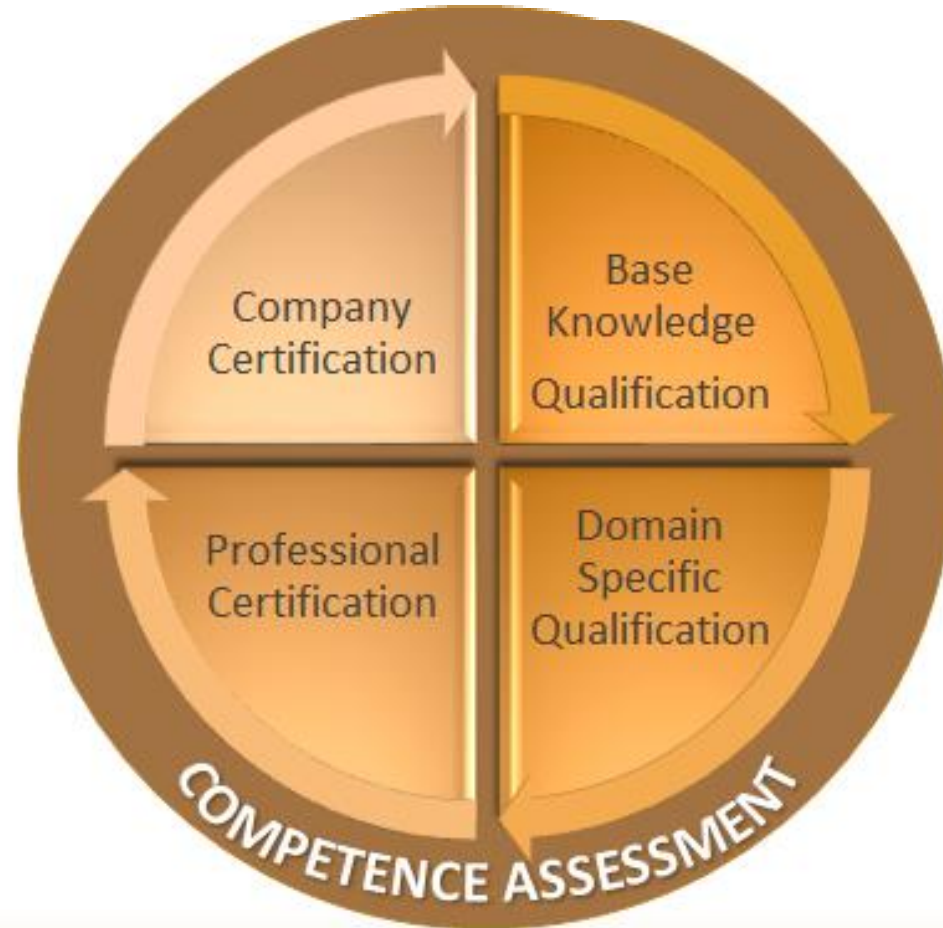
## Summary:

- Emma Hooper asks buildingSMART UK&I to Assemble!
- Re-igniting the personal certification with Phil Read (Man and Machine)
  - Developing Digital Competence Framework
  - Engaged with UKAS
- Engaged with other international chapters and sharing knowledge of UK BIM Alliance & UK & Ireland chapter story.
- Maintaining strong links with Construction IT Alliance (Ireland)

# TAKING UPSKILLING FORWARD

- Phil Read (Man and Machine) is leading a task group to launch a buildingSMART certification
- Such a certification should be part of a wider UK Digital Competence Framework
- Aspiration is for a framework to be all-inclusive of:
  - Knowledge acquisition (learning)
  - Company Certification
  - Personal certification
- Engaging & supporting the involvement of UKAS

# UKBIMA DIGITAL COMPETENCE FRAMEWORK



Underpinned by a well-defined Learning Outcome Framework (LoF)



# buildingSMART UK & Ireland

## Assemble!

# BUILDINGSMART UK&I ASSEMBLE

- Supporting the information management processes in ISO 19650
- To drive better understanding and have a better representation at international level
  - assembling a group of individuals who all share a common understanding and shared passion for openBIM
- Aim to reignite the UK&I chapter.
- Develop a roadmap for the chapter

# How to sign-up

[bsuki@ukbimalliance.org](mailto:bsuki@ukbimalliance.org)

# How to Get Involved

- Slack: <http://bit.ly/joinUKBIMAslack>
- Twitter: @UKBIMAlliance
- Email: [info@ukbimalliance.org](mailto:info@ukbimalliance.org)
- Newsletter: <http://bit.ly/UKBIMAnewsletterSignup>
- Website: [www.ukbimalliance.org](http://www.ukbimalliance.org)



