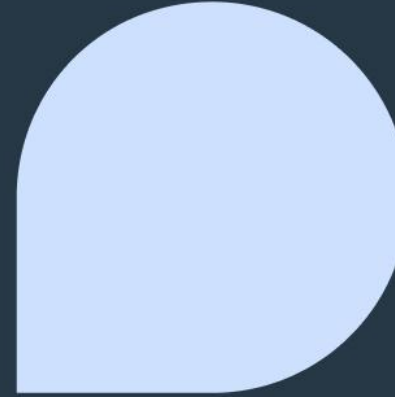




FHWA Digital Delivery Stakeholder Group (DDSG) Meeting #3

19-20 March 2026 | Chicago, IL

IM Process using ISO 19650 Standards: Fundamentals and Utilization



ISO 19650 Series

ISO 19650 series

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – **information management using building information modelling**

ISO 19650 Series

ISO 19650-1

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 1: Concepts and principles



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 2: Delivery phase of assets



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 3: Operational phase of assets



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Part 4: Information exchange



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 5: Security-minded approach to information management



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 5: Health and safety information



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Part 1: Concepts and principles



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Part 5: Health and safety information

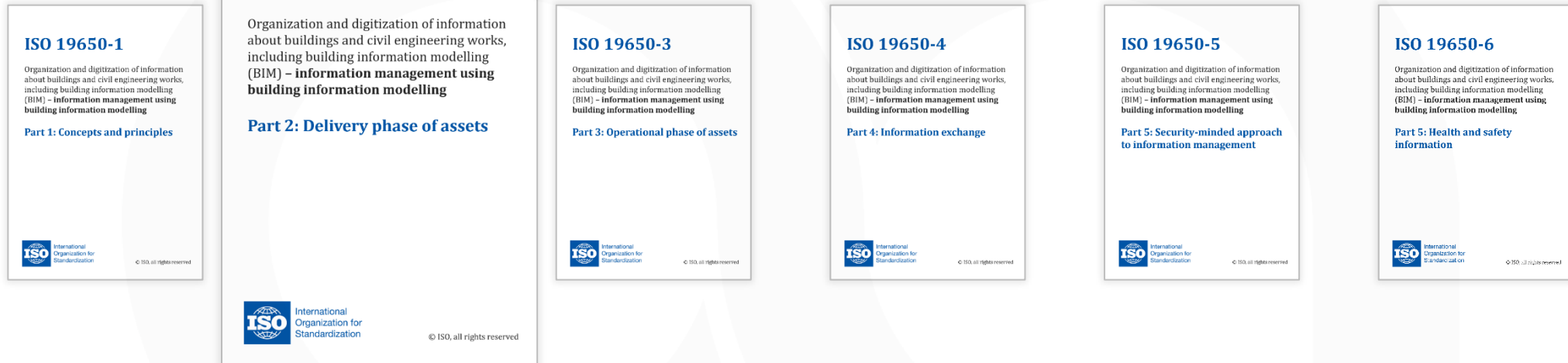


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Managing information effectively throughout the **asset lifecycle**

Published December 2018

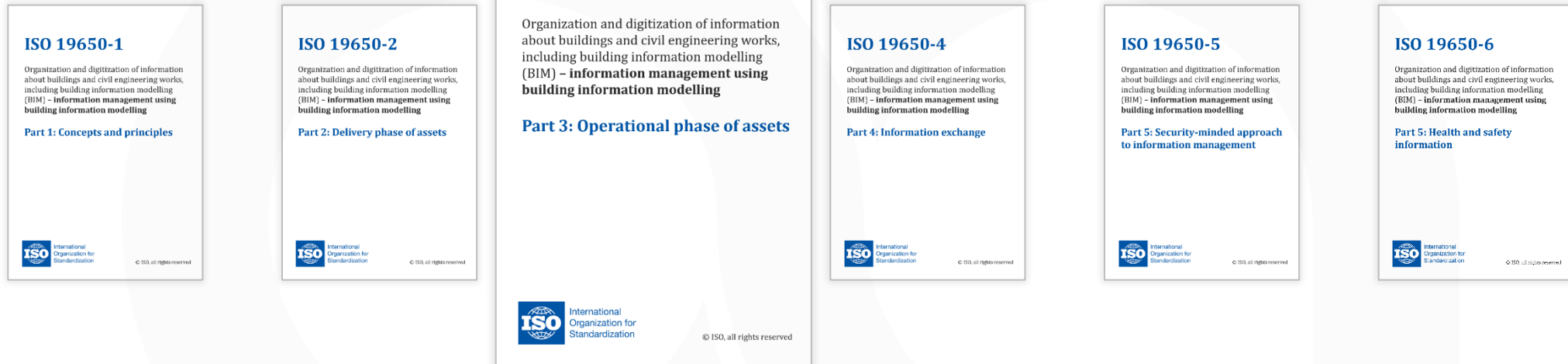
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Management of information during the delivery phase of assets

Published December 2018

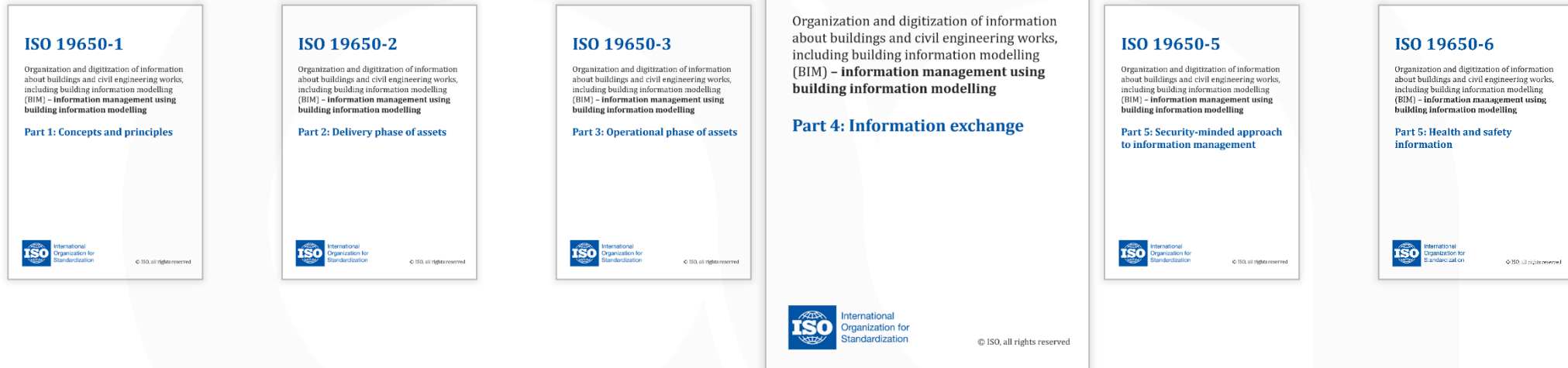
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Management of information during the operational phase of assets

Published August 2020

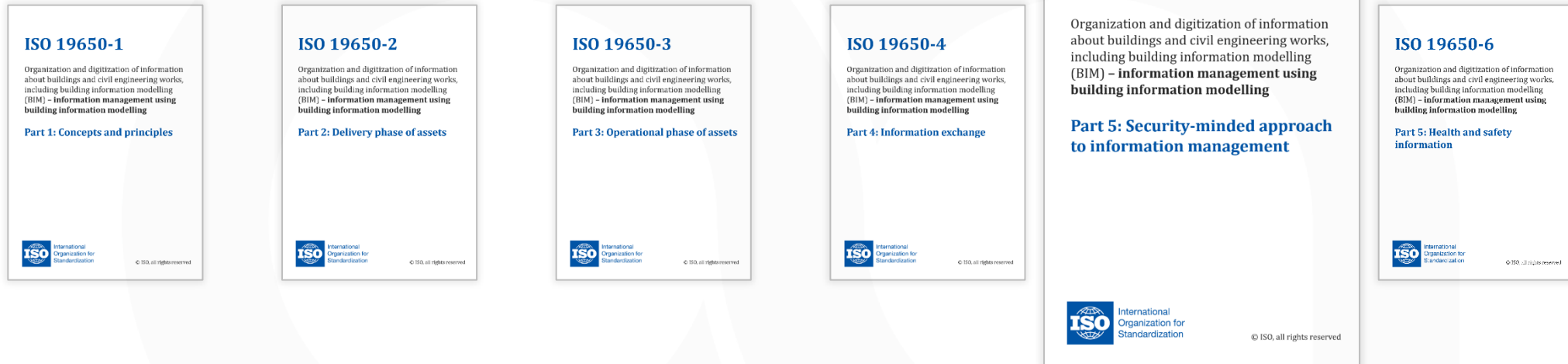
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The effective **exchange** of information between parties

Published August 2022

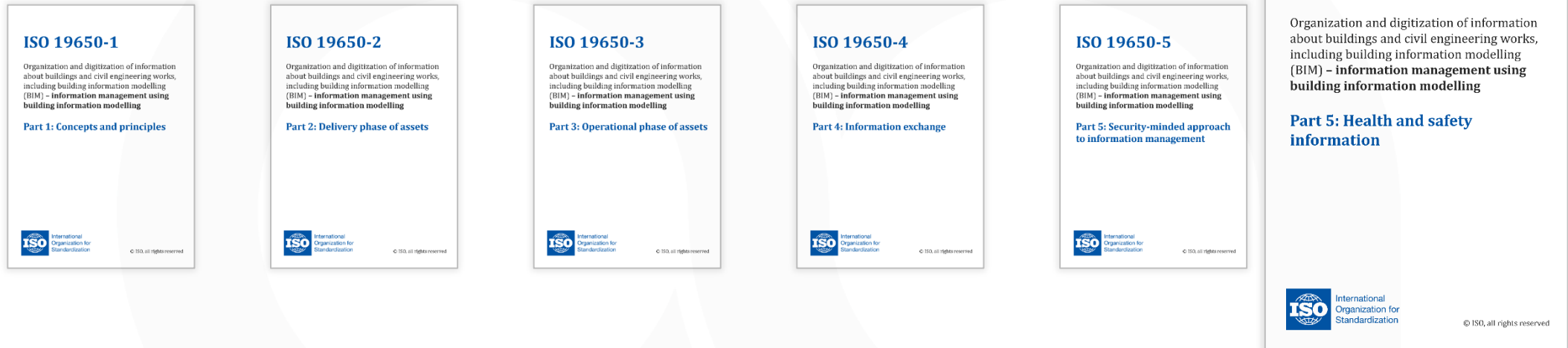
ISO 19650 Series



Adopting a **security-minded approach** to managing information

Published June 2020

ISO 19650 Series



Classifying, sharing and delivering **health and safety** information

Published January 2025

ISO 19650 Series

ISO 19650-1

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Part 1: Concepts and principles



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 2: Delivery phase of assets



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Part 3: Operational phase of assets



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 4: Information exchange



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

Part 5: Security-minded approach to information management



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Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - **information management using building information modelling**

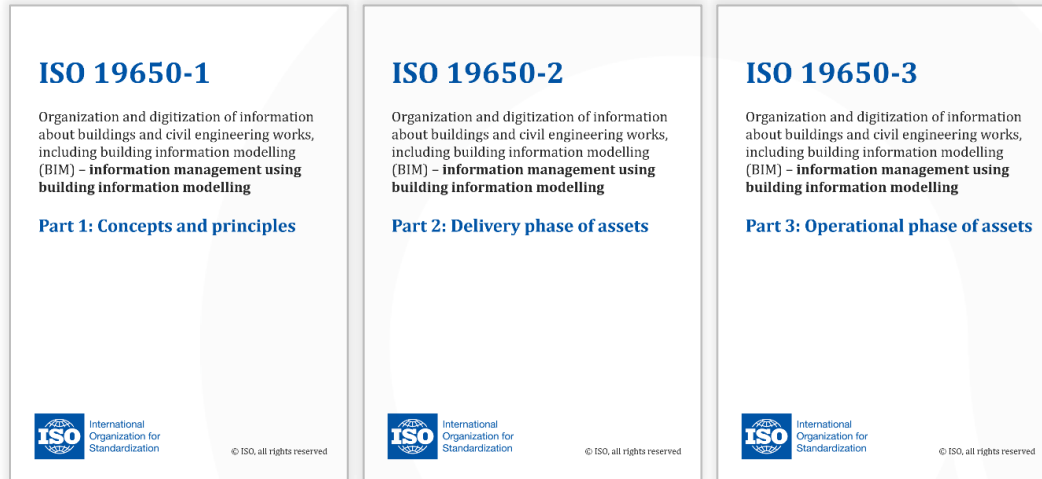
Part 5: Health and safety information



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1. Lessons learnt
2. Industry maturity
3. Series development

UNDER REVIEW

ISO 19650 Series

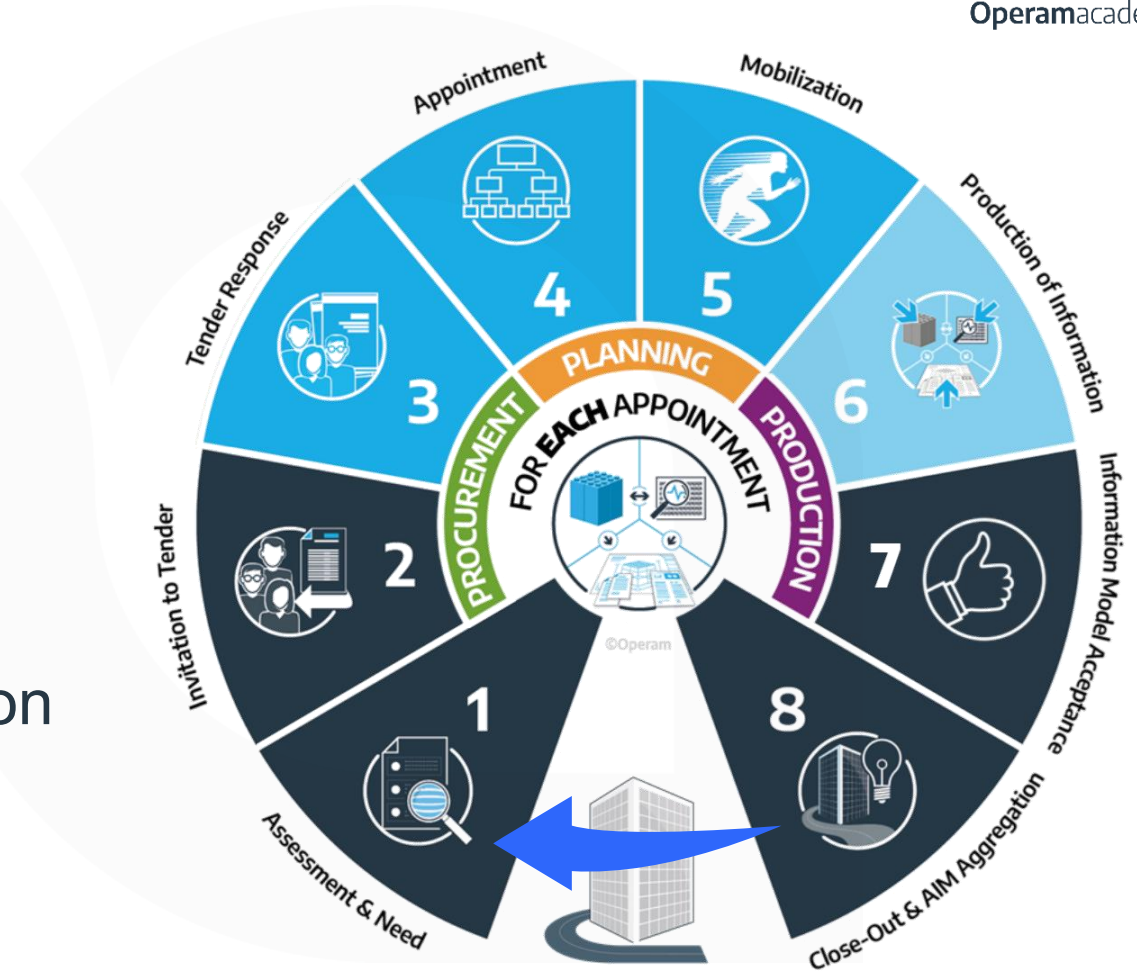


- Part One** Concepts and principles
- Part Two** Information management process
- Part Three** Implementation of the information process
- Part Four** Information exchange
- Part Five** Security-minded approach to information management
- Part Six** Health and safety information

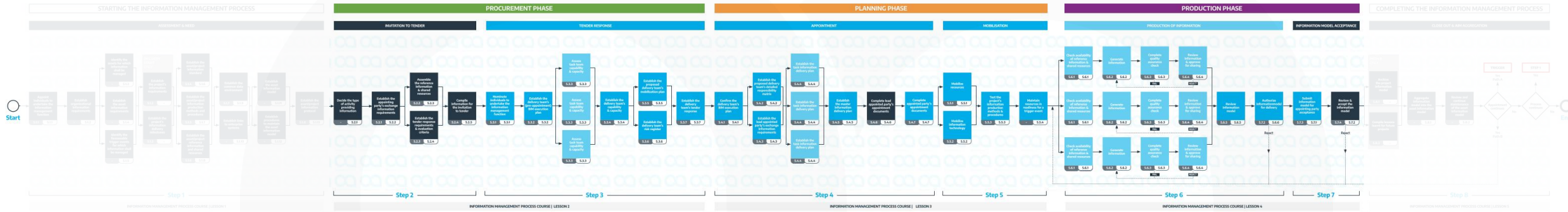
Information Management Process

Information Management Process

1. Assessment & Need
2. Invitation to Tender
3. Tender Response
4. Appointment
5. Mobilization
6. Collaborative Production of Information
7. Information Model Acceptance
8. Close-Out & AIM Aggregation



Information Management Process

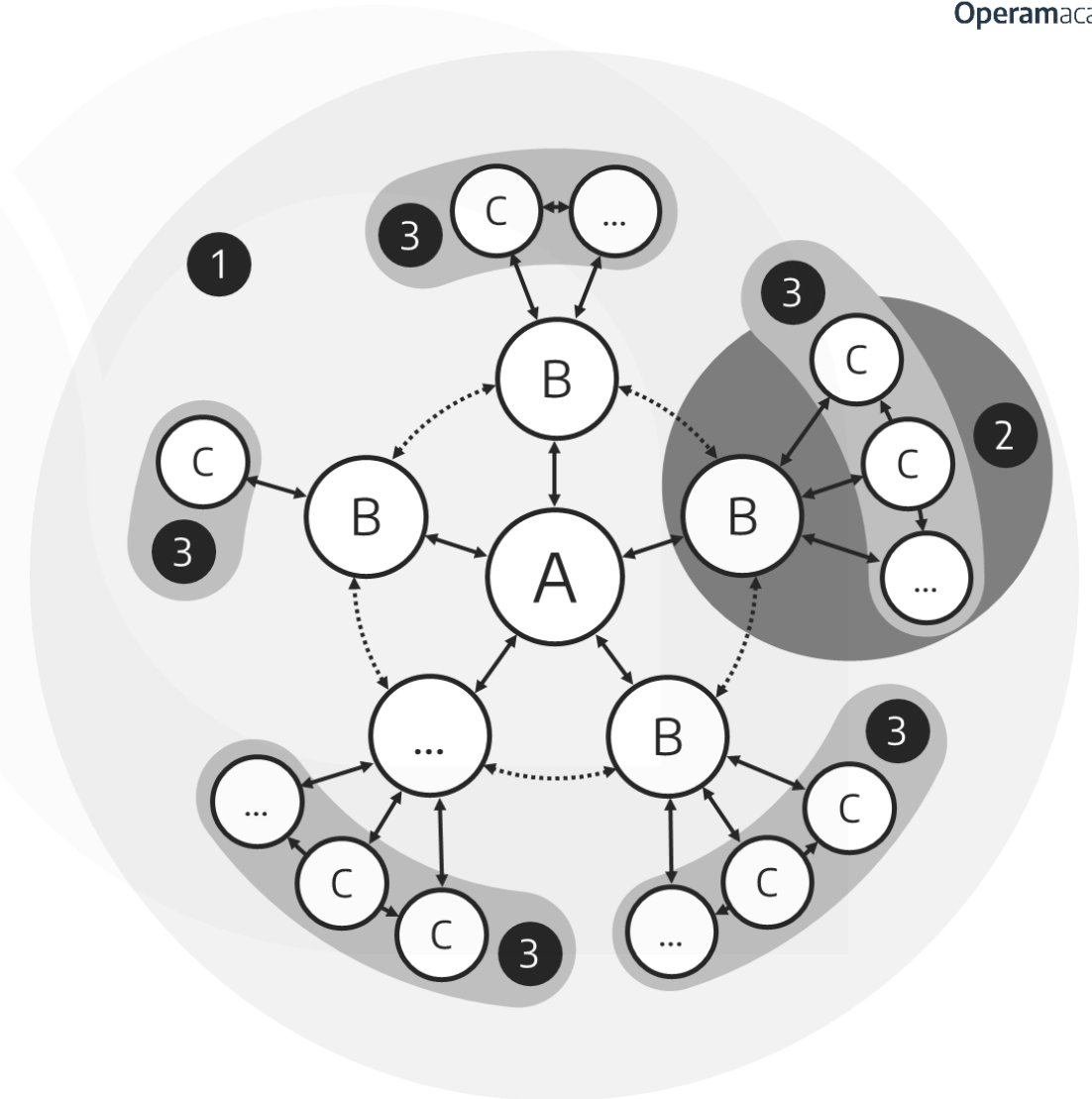


+ ————— To be repeated for each and every appointment ————— +

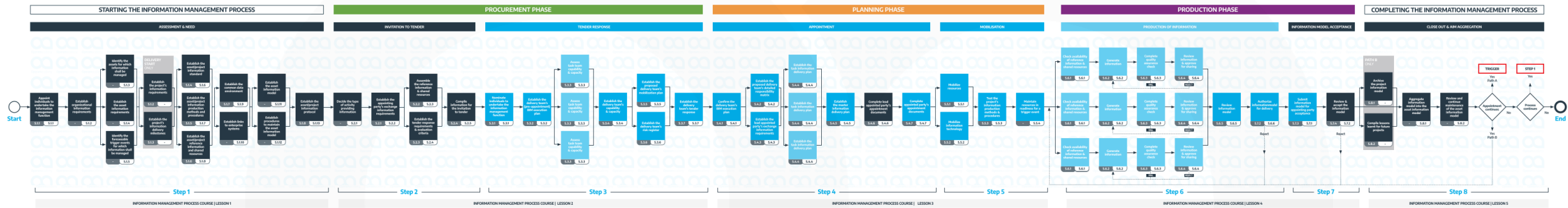
Parties and Teams




Key

- A** appointing party
- B** lead appointed party
- C** appointed party
- ... variable amount
- 1** project team
- 2** delivery team(s)
- 3** task team(s)
- ↔** information requirements and exchange
- ⋯↔** information coordination



Parties and Teams



	Appointing Party	26	52%
	Lead Appointed Parties	18	36%
	Appointed Parties	06	12%

5.1.5 Establish the project's information production methods and procedures

The appointing party shall establish any specific information production methods and procedures required by their organization within the project's information production methods and procedures.

In doing this, the appointing party shall consider:


- a) the capture of existing asset information;
- b) the generation, review or approval of new information;
- c) the security or distribution of information; and
- d) the delivery of information to the appointing party.

Parties and Teams

A.1 Table A.1 — Information management responsibility matrix template

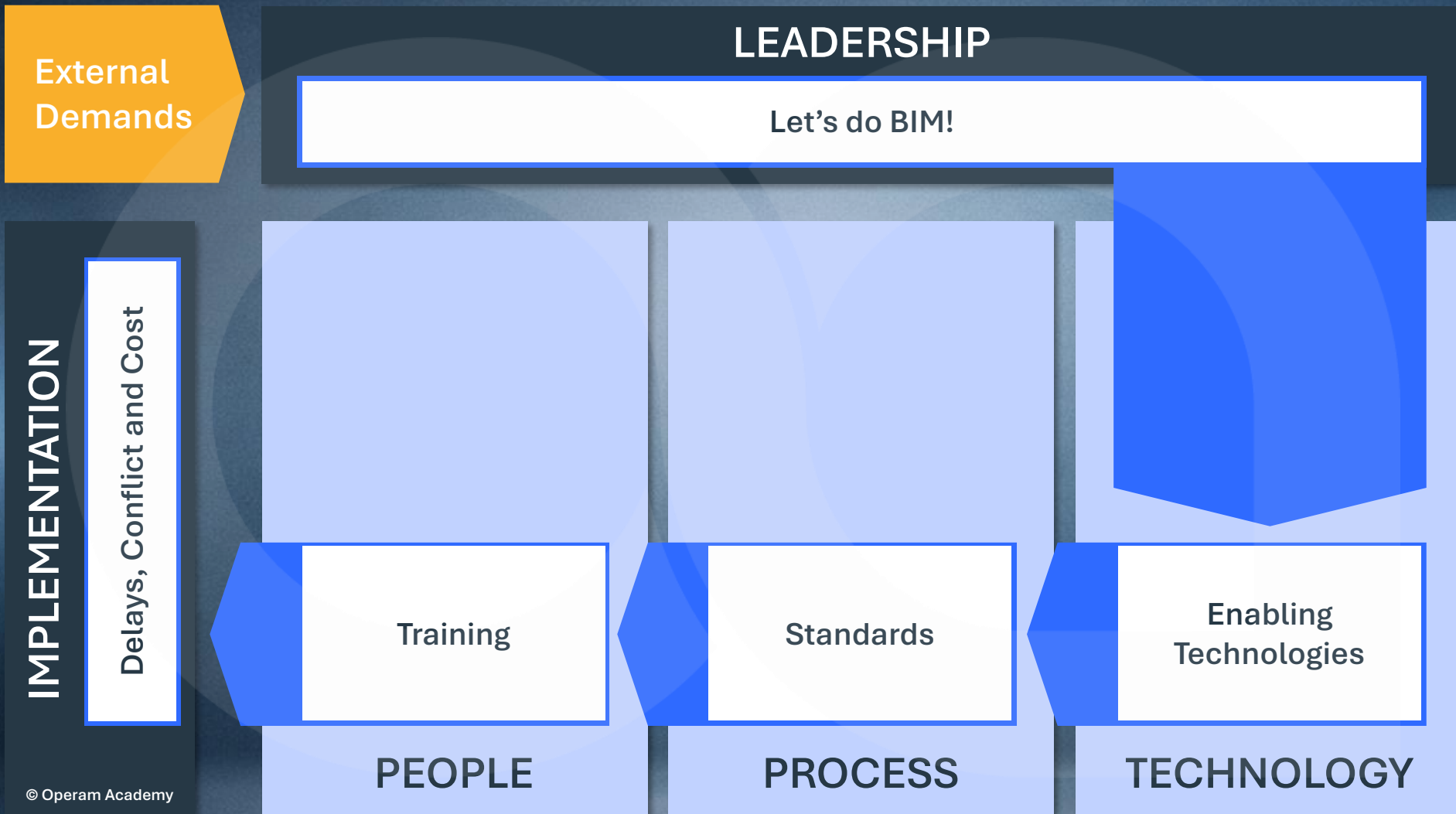
ID	Key R Responsible for undertaking activity A Accountable for activity completion C Consulted during activity I Informed following activity completion Task	Appointing party	Third party	Lead appointed party	appointed party
5.1.1	Appoint individuals to undertake the information management function				
5.1.2	Establish the project's information requirements				
5.1.3	Establish the project's information delivery milestones				
5.1.4	Establish the project's information standard				
	Establish the project's information				

Implementation Approaches

A man with glasses and a beard is pointing at a whiteboard with a marker. A woman with glasses is looking at the whiteboard. The whiteboard has several sticky notes and diagrams. The background is a bright office setting.

Why do organisations adopt a unified approach to the management of information?

1. They want to
2. They need to
3. They have to



External Demands

LEADERSHIP

Let's NOT do BIM!

IMPLEMENTATION

Delays, Conflict and Cost

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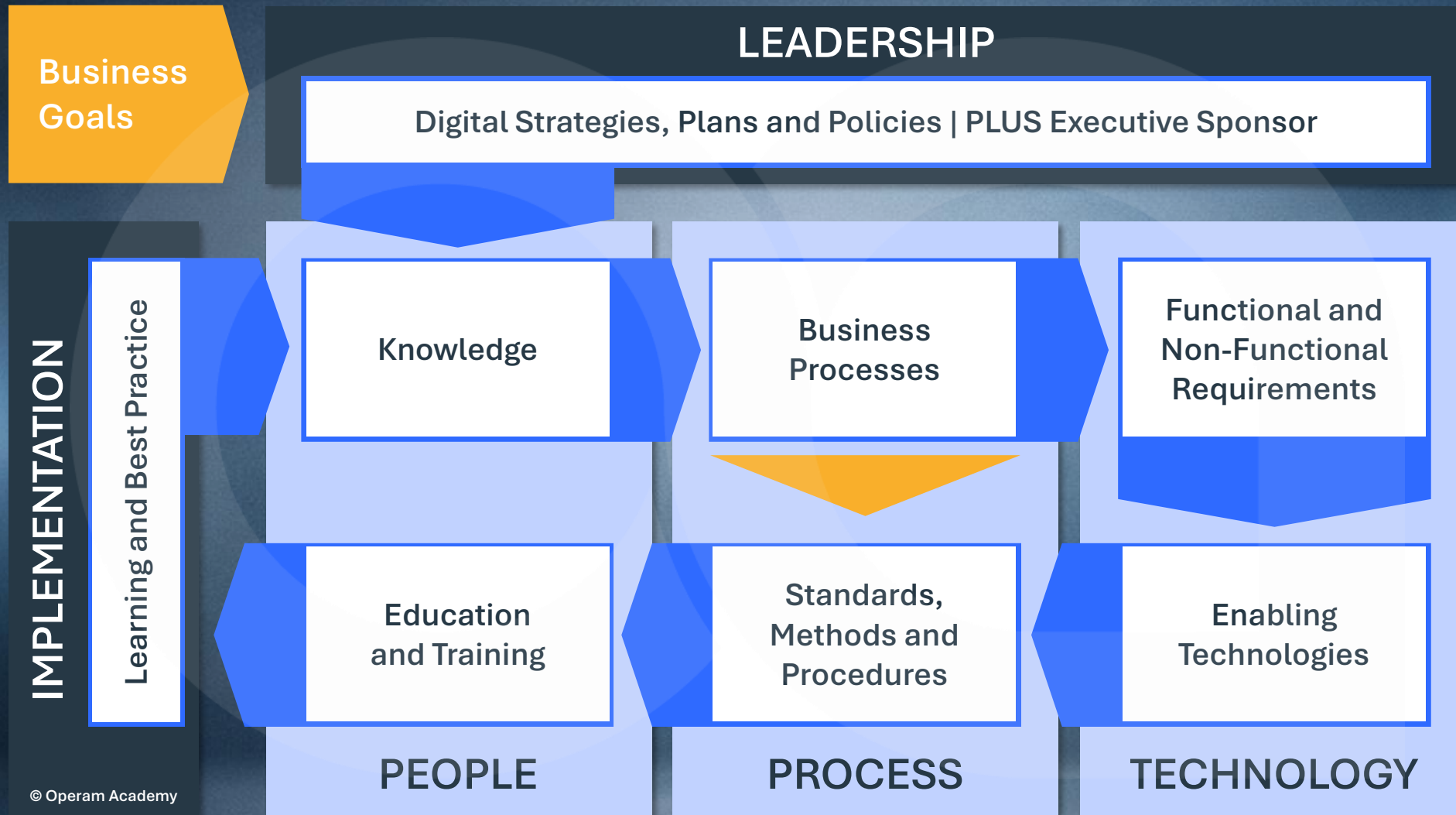
PEOPLE

PROCESS

TECHNOLOGY

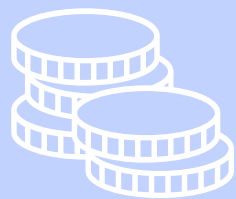
Enabling Technologies

Is there a better way?

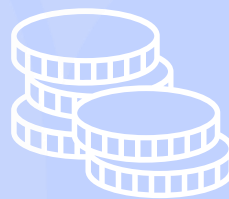


LEADERSHIP

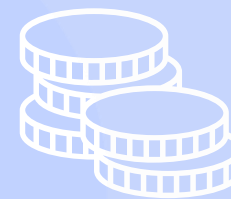
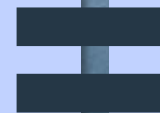
IMPLEMENTATION



PEOPLE



PROCESS



TECHNOLOGY



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