ISO 19650-3:2020 (E)

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 the assets

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms, definitions, and symbols

3.1 Terms and definitions
3.2 Symbols for process diagrams

4 Information management associated with the operational phase of assets

4.1 Information management process associated with the operational phase of assets
4.2 Relationship between this document and ISO 19650-2

5 Information management process to support the operational phase of assets

5.1 Information management process — assessment and need
5.1.1 Appoint individuals to undertake the information management function
5.1.2 Establish organizational information requirements
5.1.3 Identify the assets for which information shall be managed
5.1.4 Establish the asset information requirements
5.1.5 Identify the foreseeable trigger events for which information shall be managed
5.1.6 Establish the asset information standard
5.1.7 Establish the asset information production methods and procedures
5.1.8 Establish the reference information and shared resources
5.1.9 Establish the common data environment
5.1.10 Establish links to enterprise systems
5.1.11 Establish the asset information model
5.1.12 Establish processes to maintain the AIM
5.1.13 Establish the asset information protocol
5.1.14 Activities for assessment and need
5.2 Information management process — Invitation to tender/request to provide service
5.2.1 Decide the type of activity providing information
5.2.2 Establish the appointing party's exchange information requirements
5.2.3 Assemble reference information and shared resources
5.2.4 Establish response requirements and evaluation criteria
5.2.5 Compile information for the invitation to tender/request to provide service
5.2.6 Activities for invitation to tender/request to provide service
5.3 Information management process — Response to invitation to tender/request to provide service
5.3.1 Nominate individuals to undertake the information management function
5.3.2 Establish the delivery team's (pre-appointment) BIM execution plan
5.3.3 Assess task team capability and capacity
5.3.4 Establish the delivery team's capability and capacity
5.3.5 Establish the delivery team's mobilization plan
5.3.6 Establish the delivery team's risk register
5.3.7 Compile the delivery team's response
5.3.8 Activities for response to invitation to tender/request to provide service
5.4 Information management process — Appointment
5.4.1 Confirm the delivery team's BIM execution plan

5.4.2 Establish the delivery team's detailed responsibility matrix
5.4.3 Establish the lead appointed party's EIR (ISO 19650-3)
5.4.4 Establish the task information delivery plan(s)
5.4.5 Establish the master information delivery plan
5.4.6 Complete lead appointed party's appointment
5.4.7 Complete appointed party's appointment
5.4.8 Activities for appointment
5.5 Information management process — Mobilization
5.5.1 Mobilize resources
5.5.2 Mobilize information technology
5.5.3 Test the asset information production methods and procedures
5.5.4 Maintain resources in readiness for a trigger event
5.5.5 Activities for mobilization
5.6 Information management process — Production of information
5.6.1 Check availability of reference information and shared resources
5.6.2 Generate information
5.6.3 Undertake quality assurance check
5.6.4 Review information and approve for sharing
5.6.5 Review information model
5.6.6 Authorize information model for delivery to the appointing party
5.6.7 Activities for production of information
5.7 Information management process — Information model acceptance by appointing party
5.7.1 Submit information model for appointing party acceptance
5.7.2 Review and accept the information model
5.7.3 Activities for information model acceptance by appointing party
5.8 Information management process — AIM aggregation
5.8.1 Aggregate an accepted information model into the AIM
5.8.2 Review and continue maintenance of the AIM
5.8.3 Activities for AIM aggregation

Annex A (informative) Guidance related to the information management process

A.1 General
A.2 Examples of activities requiring asset information and example organizational information requirements
A.3 Example trigger events
A.4 Examples of information that can be required within an AIM
A.4.1 Managerial information
A.4.2 Technical information
A.4.3 Legal information
A.4.4 Commercial information
A.4.5 Financial information
A.5 Linked enterprise systems

Page count: 30