VALSTS NEKUSTAMIE ĪPAŠUMI

Post-contract BIM execution plan

Project:

xxx

Supplier:

xxx

Contents

1. Introduction

The purpose of the post-contract BIM execution plan is to describe in detail the supplier's approach to project execution in a BIM environment. The Post-Contract BIM Execution Plan defines the responsibilities of the parties involved, project stages and deadlines for deliverables, as well as information exchange processes.

The Post-Contract BIM Execution Plan should be based on the information presented in the BIM requirements and the Pre-Contract BIM Execution Plan, describing the procedures applied, methods and resources to be used within the project in more detail.

The Post-Contract BIM Execution plan template contains the instructions or explanations for preparing a Post-Contract BIM Execution plan (in italics).

2. Project information

Project name:	
Short project description:	
Customer:	
Supplier:	
Supplier's registration number:	
Supplier's registered address	
Supplier's office address	
Design commencement time:	
Construction commencement time (if applicable):	
Estimated project completion time:	

3. Response to BIM requirements

3.1. Project participants

Update and supplement the information specified in Paragraph 3.1 of the Pre-Contract BIM Execution Plan, also adding contact information. Also provide an abbreviation in the contact information column (for example, Andris Bērziņš (AB).

Role	Participant	Part of the design*	Name and surname	Contact information
Customer's Project Manager				
Customer's Information Manager				

*Only to be provided for the lead architectural part designer and the lead designer (Structural, MEP, etc.).

3.2. Control point deadlines

Complete the control point execution deadline table in accordance with Paragraph 2.3 of the BIM requirements "Control points and results to be achieved", as well as the special requirements of the Project.

Control point	Planned start date	Planned deliverable submission deadline	Planned completion deadline

3.3. Planning and organisation

3.3.1. Data structuring

Include, supplement and, if applicable, clarify the information specified in Paragraph 3.2 of the Pre-Contract BIM Execution Plan.

Requirement	Description
Folder/file structure	
Planned file size	
Availability of information for the parties involved in the execution of the project	*Provide information about how project participants (e.g., design developers, expert reviewers, construction workers, customer's representatives/project manager, construction supervisor, information manager) will be provided with access (view/edit/etc.) to the information developed as part of the project.*

3.3.2. Division of the building into zones, blocks or volumes

Describe whether and how the building will be divided into zones, blocks or volumes. This information has to be coordinated with all parties involved in project execution, and no differences in zones, blocks or volumes are permitted between individual design parts.

Provide information here

3.4. Collaborative process

The purpose of this chapter is to define how the collaborative process will be organised between the parties involved in the project during the design process. The post-contract BIM implementation plan may also contain information about the construction stage.

3.4.1. Information exchange

Include the information specified in Paragraph 3.3.1 of the Pre-Contract BIM Execution Plan and, if applicable, supplement with changes, additional information or clarifications, if any.

Provide information here

3.4.2. Organising project meetings

Include the information specified in Paragraph 3.3.2 of the Pre-Contract BIM Execution Plan and supplement according to the expanded meeting schedule. In the "Meeting start date and time" column, only provide information about the execution phase of the current and the next (subsequent) control point. In the "Mandatory participants" column, provide the abbreviation of the participants' name and surname.

BIM development phase: completion of "**Conceptual BIM**" control point

Type of meeting	Meeting start date and time	Interval between meetings	Mandatory participants
BIM launch meeting			
Model review meeting			

BIM development phase: completion of **"Interim BIM"** control point

Type of meeting	Meeting start date and time	Interval between meetings	Mandatory participants
Model review meeting			
Coordination meeting			
Constructability analysis meeting*			

BIM development phase: completion of **"Detailed BIM"** control point

Type of meeting	Meeting start date and time	Interval between meetings	Mandatory participants
Model review meeting			
Coordination meeting			
Constructability analysis meeting*			

BIM development phase: completion of **"Approved BIM"** control point

Type of meeting	Meeting start date and time	Interval between meetings	Mandatory participants
Model review meeting			
Coordination meeting			
Constructability analysis meeting*			

*Applicable if a constructability analysis deliverable is requested in the Project special requirements template.

3.5. Coordination and quality control

Project quality and risk reduction using 3D BIM models and information coordination is one of the key goals and requirements of the customer. The purpose of this chapter is to define the project coordination processes, including quality checks.

3.5.1. Quality control

Include, supplement and, if applicable, clarify the information specified in Paragraph 3.4.1 of the Pre-Contract BIM Execution Plan.

Type of testing	Short description	Frequency of testing
Self-testing		
Visual examination		
Checking for clashes		
Model date/integrity check		
Other, if applicable		

3.5.2. Coordination and scheduling of clash checks

Include the information specified in Paragraph 3.4.2 of the Pre-Contract BIM Execution Plan and, if applicable, supplement with changes, additional information or clarifications, if any.

Provide information here

3.5.3. Quality control processes

Describe the quality control and assurance processes using flowcharts for different phases/stages of the project, if there are any differences between them. Provide details of processes and activities (e.g., from modelling and self-testing to defining the party responsible for solving the identified problems in the case of a coordination meeting). The types of meetings specified in Paragraph 3.7. "Collaborative process" of the BIM requirements can be used as a base and be expanded into more detailed processes that need to be carried out before and during these meetings.

Provide information here

3.6. Common Data Environment

3.6.1. Common Data Environment solution and maintainer

Include the information specified in Paragraph 3.5.1 of the Pre-Contract BIM Execution Plan and, if applicable, supplement with changes, additional information or clarifications, if any.

Provide information here

3.6.2. Common Data Environment developer and features*

*this subsection must be completed if the CDE provider is the supplier

Include the information specified in Paragraph 3.5.2 of the Pre-Contract BIM Execution Plan and, if applicable, supplement with changes, additional information or clarifications, if any.

Provide information here

Specify CDE functionality in accordance with Sub-paragraph 3.6.1. "Requirements for the Common Data Environment" of the BIM requirements.

Feature	Yes/No	Notes
Information on the author of the information container	☐ Yes ☐ No	
Information on the version of the information container and availability of previous versions	☐ Yes ☐ No	
The ability of information containers to transition between different stages	☐ Yes ☐ No	

Defining access rights at the level of information containers and stages	☐ Yes ☐ No	
The transition of an information container from one stage to another takes place by submitting it to the customer's/supplier's information manager, who approves or rejects this transition	☐ Yes ☐ No	
Information container audit	☐ Yes ☐ No	
Information container status	☐ Yes ☐ No	
Information container classification	☐ Yes ☐ No	

3.6.3. Specialists responsible for the Common Data Environment

Specify the persons who will be responsible for uploading BIM deliverables, documentation and other information to the Common Data Environment.

BIM deliverable, documentation and other information	Person responsible for uploading information
	Name, surname, role, company

3.7. Software

Include the information specified in Paragraph 3.6 of the Pre-Contract BIM Execution Plan and, if applicable, supplement with changes, additional information or clarifications, if any.

Provide information here

3.7.1. Methodology of adding non-graphical information

Describe in detail how the requested non-graphical information will be added to each specific authoring tool, as well as how it will be exported to *.IFC format files. The information should be provided in detail so that these steps can be repeated by other specialists who do not

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represent the particular company. Along with the BIM execution plan, it is also necessary to submit all additional files that were used in the creation or export of this information to *.IFC file format.

Authoring tool and version	*Specify the authoring tool used, its version and, if possible, the build number.*
Description of attributes in authoring tool	*Description of how the attributes are added to the specific elements, as well as information about their compliance with the information level of development requirements (if the names in the authoring tool are specified differently to the Information Detailing Requirements, mapping table), etc.*
Description of exporting attributes to *.IFC file format	*Description of the steps to be taken to transfer non-graphical information from the authoring tool to the *.IFC file format, as well as any auxiliary files used.*
Auxiliary files used	*File name Submit the file along with the BIM Execution Plan.*

3.8. File naming

Provide information about file creation designations of file creation, as well as specify the principal file name of each 3D BIM model author (architect, designer of engineering solutions) or authors of other deliverables, in accordance with Paragraph 4.3. "File naming" of the BIM requirements.

Provide information here

3.8.1. Unique identification number of elements*

*this section needs to be completed if the Information Level of Development Requirements data group named "Asset Information" has been selected in the special requirements of the project.

Information on the procedure for assigning unique identification numbers is specified in Paragraph 4.5.5. "Unique identification number" of the BIM requirements. If the classification is more detailed, the additional details must be specified below.

Provide information here

3.9. Coordinates

Define the zero point of the project according to the requirements specified in Paragraph 4.5.2. "Coordinates" of the BIM requirements.

Coordinate system	Y (N) North	X (E) East	Z Height	Project North
LKS-92 LAS-2000,5				

3.10. Bill of materials

According to Paragraph 4.8 of the BIM requirements. Bill of materials, provide full designations of the types of model elements used in the project. The full designations may be provided in the Post-Contract BIM Execution Plan or as an annex thereto.

Provide information here or in the annex

3.11. Changes during the construction process

Describe the process of changes and the workflow, observing the conditions of Paragraph 3.5. "BIM process during construction" of the BIM requirements. The information should be provided after the completion of the "Detailed BIM" control point

Provide information here

3.12. Adding information during construction

Describe the process of adding information and the workflow, observing the conditions of Paragraph 3.5. "BIM process during construction" of the BIM requirements. This should include a description of how records of supplementing and updating BIM would be kept. The information should be provided after the completion of the "Detailed BIM" control point

Provide information here

3.13. As-built model

Describe how the compliance with the provisions of Paragraph 4.12. "As-built model" of the BIM requirements will be ensured. The information should be provided after the completion of the "Detailed BIM" control point

Provide information here

3.14. Asset information model

Specify the planned Asset information model structure. The information should be provided after the completion of the "Detailed BIM" control point

Provide information here

Annexes:

1. Master Information Delivery Plan
2. Task information delivery plan

Contractor:

Approved by (customer):

_____
(signature of the authorised person)

_____
(signature of the authorised person)

_____
(position)

_____
(position)

THIS DOCUMENT HAS BEEN SIGNED ELECTRONICALLY WITH A SAFE ELECTRONIC SIGNATURE AND CONTAINS A TIME STAMP.

THE DATE OF SIGNING OF THE DOCUMENT IS THE DATE OF THE TIME STAMP OF THE LAST SIGNATORY.