



VALSTS NEKUSTAMIE
ĪPAŠUMI

Competence questionnaire

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1. Introduction

The competence questionnaire must include all required information or explanations.

The information provided must be logical and accurate. It should enable the customer to verify the supplier's ability to execute the project in the BIM environment.

If the applicant is an association of persons/association of suppliers/general partnership, or the applicant relies on the capabilities of another person, information on only one of the participants/persons shall be provided in each section of the questionnaire. (This means that participants/persons can be repeated in different sections of the questionnaire, or information about one participant/person may be provided in all sections of the questionnaire; however, it is not allowed to include and combine information about different participants/persons within one section of the questionnaire).

2. Supplier information

| | |
|---------------------------------|---|
| Name of the procurement tender: | |
| Applicant | |
| Name | |
| Registration No. | |
| Questionnaire section | Applicant, participant or person about whom information is provided in the relevant section (name, registration number) |
| No. 3.1. | |
| No. 3.2. | |
| No. 3.3. | |
| No. 3.4. | |
| No. 3.5. | |
| No. 4.1. | |
| No. 5.1. | |

3. Information on the application of BIM

3.1. Please list your BIM application types:

| BIM application | Yes/No | Application description |
|--|--|-------------------------|
| 3D modelling | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Creating own library of BIM objects | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Adding non-graphical information to models | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Data classification | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 3D laser scanning | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Design meetings using BIM (model overview) | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Creating visualisations using BIM | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Creating virtual reality using BIM | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| BIM coordination | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Reading material volumes from BIM models | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Construction simulations (4D) | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Cost Analysis (5D) | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Other types of application: | | |
| | | |
| | | |
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- 3.2.** Provide information about a project you have implemented in the BIM environment during the last 3 (three) years (i.e., 2019, 2020, 2021 and before the date of submission of the offer in 2022), namely:
- 3.2.1.** about a design developed in the BIM environment. The design must be approved by the building board.
 - 3.2.2.** or about transferring the design to the BIM environment. The design must be approved by the building board.
 - 3.2.3.** or renewal project developed in or transferred to the BIM environment during construction works. Construction works must be completed and commissioned in accordance with the provisions of the law.
 - 3.2.4.** The design developed in or transferred to the BIM environment, or the design renewed in the BIM environment during construction work, must contain at least Architectural solutions, Building structures, Internal water supply and sewerage, MEP (namely, Heating, Ventilation or Climate control) and internal power supply models.
 - 3.2.5.** Copies of customer references or other documents certifying compliance with subsection No. 3.2.1 (or No. 3.2.2 or No. 3.2.3) and No. 3.2.4 requirements must be attached to the competence questionnaire.

| Project name: ----- | Description |
|---|-------------|
| Customer (name, address, contact person) | |
| Facility name, address, cadastral No. | |
| Project contents | |
| Area of the facility and total project costs | |
| Project commencement date | |
| Design approval date (date of fulfilling the design conditions) | |
| Construction work commencement date | |
| Facility commissioning date | |
| Description of BIM deliverables developed by the supplier | |
| Description of other work performed by the supplier under the project | |

| | |
|---|--|
| Duration of the supplier’s contract under the project | |
| Information exchange technologies/platforms applied | |
| Requirements, guidelines, protocols or other BIM regulatory documents applied | |

3.3. Do you have documents governing the application of BIM, such as protocols, procedure descriptions, guidelines, modelling requirements or other documents that were developed by yourself and/or approved for internal use?

Yes No

3.3.1. If yes, please explain what documents have been developed and provide a brief description of their contents.

3.4. Do you use any of the international, European or national BIM standards in your work?

| Standard | Use experience? |
|---|--|
| LVS EN ISO 19650-1:2019 “Organisation and digitisation of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 1: Concepts and principles” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS EN ISO 19650-2:2019 “Organisation and digitisation of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 2: Delivery phase of the assets” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS EN ISO 19650-3:2020 “Organisation and digitisation of information about buildings and | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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|---|--|
| civil engineering works, including building information modelling (BIM) — Information management using building information modelling — Part 3: Operational phase of the assets” | |
| LVS EN ISO 19650-5:2020 “Organisation and digitisation 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” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS 1052:2018 “Building Information Modelling (BIM) Terminology” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS EN ISO 16739-1:2020 “Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries - Part 1: Data schema” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| ISO/TS 12911:2012 Framework for building information modelling (BIM) guidance | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS EN ISO 29481-1:2018 “Building information models — Information delivery manual — Part 1: Methodology and format” | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| LVS EN ISO 29481-2:2017 “Building information models — Information delivery manual — Part 2: Interaction framework” | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Other standards:

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3.4.1. If yes, please describe your experience with each standard/guideline and its application.

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4. Information on IT resources

- 4.1.** Please indicate which software you use to develop BIM deliverables or to ensure BIM application. Copies of documents certifying the availability of software (such as invoice, transfer-acceptance statement or other) must be attached to the competence questionnaire.

| BIM deliverable/application | Developer | Software |
|--|-----------|----------|
| 3D modelling, Creating own library of BIM objects, Data classification | | |
| Adding non-graphical information to models | | |
| 3D laser scanning | | |
| Design meetings using BIM (model overview) | | |
| Creating visualisations using BIM | | |
| Creating virtual reality using BIM | | |
| BIM coordination | | |
| Reading material volumes from BIM models | | |
| Construction simulations (4D) | | |
| Cost Analysis (5D) | | |
| Other deliverables/applications: | | |
| | | |
| | | |
| | | |

5. Information on personnel resources

5.1. Please list your personnel in charge of BIM processes and/or BIM development. Copies of documents certifying being part of the supplier’s personnel and information about responsibilities must be attached to the competence questionnaire.

| Role | Name and surname | Responsibilities |
|------|------------------|------------------|
| | | |
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Annexes

| Document | Name |
|---|------|
| Copies of documents certifying project execution in the BIM environment (Section 3.2) | |
| Copies of documents certifying personnel training (Section 3.5) | |
| Copies of documents certifying the availability of software (Section 4.1) | |
| Copies of documents certifying the availability of BIM personnel (Section 5.1) | |

(Signature, transcript of signature of supplier's authorised representative (attach original or certified copy of the Power of Attorney))

_____, 20__