

Tallinn
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Declaration of Intent of the Estonian Public Sector Authorities and Policy Makers for the Implementation of the Building Information Model

The implementation of the digital building information model in the real estate sector has greatly simplified the creation, sharing and management possibilities of building information and it makes construction processes more efficient. Managing digital information throughout the building's lifecycle enhances the functionality and quality of the building, reduces errors and inconsistencies in the design and construction phases, and ensures the availability of fast and high-quality information in the management of the building. Up-to-date information will also allow fast refurbishment works in the future if required. The implementation of a digital building information model will also increase the domestic and international competitiveness of the construction sector. Adapting and introducing new technologies will ensure sustainable development in both local and international markets.

Building Information Management is a method that, with the help of technological tools, enables the description and presentation of building data throughout the building's life cycle. The generated information takes into account the data needs of different parties and includes buildings and facilities of the developed environment. Information management integrates the data used during the lifecycle of a building into a single digital environment, thereby enhancing the quality of the building and the overall performance of the construction and administration process.

Intent

The signatories to this declaration are of the opinion that the creation and sharing of digital building information through various parts of the supply chain is the key factor in improving the performance and quality of the construction sector. The members participating in the development of an optimal digital information model that meets the needs and the potential of the Estonian construction market are also leaders in the building process improving collaboration in the construction sector.

It is in the common interest of organisations involved in public administration and construction to support open methodologies and common standards. This will facilitate the creation of necessary data during the different stages of the building's lifecycle and improve the effectiveness of collaboration.

Goals

The goal of the signatories is to increase the functionality and quality of buildings, reduce construction and lifecycle costs and enhance the competitiveness of the real estate sector throughout the building's lifecycle through the modelling and comprehensive implementation of digital building information.

Plans and negotiations are being launched to establish a central, neutral and open organisation that coordinates the implementation process.

To achieve this:

1. A demand environment for digital building data, based on common principles and open standards, is created. The signatory parties will promote and implement commonly agreed measures, requirements and recommendations for achieving this.
2. For the purpose of improving cooperation, the principle of one-time data creation i.e. the once-only principle is used, and to find the optimal solution, building information needs are taken into account through the supply chain. To find a common approach, working groups will be set up and stakeholders interested in the supply chain will be involved.
3. The optimality of solutions will be analysed and improved jointly through pilot projects. This avoids inaccuracies and introduces best practices.
4. Digital environment development activities will be guaranteed sustainability within and across organisations. Organisations will jointly find ways to ensure the improvement and optimisation of sustainability.
5. The signatories will set their own schedule for the introduction of a particular information model, together with the transition deadlines, depending on their ability. If necessary, the minimum procurement volume for which the digital building information will be introduced, will be additionally determined. This will allow for a smooth transition period for the market participants to adapt to the new demand environment.
6. In order to ensure the sustainability of the construction sector, research and education institutions will be involved, they will be supported in workforce training and the image of an innovative and digital branch of economy will be created for the construction sector.

All Signatory Parties devote time and know-how to achieve the agreed objectives of the Declaration and Action Plan.

