

BIM for Construction Claims Management and Forensic Delay Analysis

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Abstract

The aim of the thesis is to examine the impact of using BIM protocols with standard contracts on claims management and to provide guidelines to clients and contractors on how to request information pertaining to claims using the EIR (Exchange Information Requirements).

The introductory part of the thesis provides an overview of the general legal framework and standard contracts in the construction industry. The core of the thesis focuses on forensic delay analysis, which is a process of analysing the causes and impact of delays to quantify the extent of schedule overruns and cost claims. Therefore, a synopsis of the methods of producing forensic analysis of delays and conditions for their selection are reported. In this context, the thesis provides a detailed overview of the key input and output information that is essential to support decision-making in forensic delay analysis and for the minimum information and documentation that must be included as part of detailed claims development.

The thesis explores the possibilities of using Bexel Manager to support claim documentation and analysis of delay-based claims and develop protocols to be used in Bexel Manager for creating and maintaining contemporary records. Based on the research carried out, the

concluding part examines how requirements for filing claims should be structured within the EIR using the guidelines provided in the ISO 19650 series of standards.

Dissertation:

Link for full text

Presentation video:

<https://youtu.be/f68g0C96tRo>

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