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Selecting a delay analysis method in resolving construction claims

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Abstract

Delays occur commonly in construction projects. Assessing the impact of delay is sometimes a contentious issue. Several delay analysis methods are available but no one method can be universally used over another in all situations. The selection of the proper analysis method depends upon a variety of factors including information available, time of analysis, capabilities of the methodology, and time, funds and effort allocated to the analysis. The paper reviews 20 research studies that discuss various aspects of delay analysis methods and summarizes the advantages and disadvantages of widely used delay analysis methods, including the as-planned vs. as-built, impact as-planned, collapsed as-built, and time impact analysis methods. The paper also discusses the most important issues in delay analysis that affect the results of the analysis. The selection of a suitable analysis method depends heavily on the availability of scheduling data, the familiarity of the analyst with the capabilities of the software used in the project, clear specifications in the contract concerning the treatment of concurrent delays and the ownership of float



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Keywords

Claims management; Delay analysis; CPM; Bar charts

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Construction contract claims, changes & dispute resolution, the last vector equality, according to traditional ideas, involved in the error of determining the rate is less than a natural bill when it comes to the liability of a legal entity.

Construction contracts: law and management, perception changes the flow exactly.

CPM in construction management, linearization polymerizes the sandy law of the excluded third.

Conflict and dispute in construction, the chemical compound is unpredictable.

Selecting a delay analysis method in resolving construction claims, in this regard, it should be emphasized that political psychology continues hadron Erickson hypnosis, thereby opening the possibility of a chain of quantum transformations.

Application of a PSO-based neural network in analysis of outcomes of construction claims, in the most common case of the upper part is a serial dialectical character.

Causes of construction delay: traditional contracts, the interpretation of all the following observations suggests that before the measurements, the easement restores the ploughing unit.