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Paper

Which contractor selection methodology?

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Abstract

Industrial and academic awareness of the need for judicious construction contractor selection is increasing. Earlier investigations of this client procurement decision have more recently been expanded upon; particularly, by work conducted in the USA and UK. Other countries are now also addressing this issue and procurement research abounds. This paper complements that increased activity by presenting a review of contractor evaluation and selection modelling methodologies. These methodologies include: Bespoke approaches, Multi-attribute analysis, Multi-attribute utility theory. Cluster analysis, Multiple regression, Fuzzy set theory, and Multivariate discriminant analysis. The merits/ demerits and previous/possible future applications of each methodology are discussed, and indications for future research given.



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Keywords

contractor evaluation; contractor selection; construction tenders; decisional modelling theory

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