Abstract

This paper proposes improvements concerning the analysis and the evaluation of tenders in the tendering process. At first, a new method of analysis and evaluation of tenders using the rule of proportion is proposed. Secondly, the principles of fuzzy logic are introduced in order to reconsider limits from the classical logic in the analysis and evaluation of tenders. This work is a step towards the modeling of an IT solution integrating the concepts of artificial intelligence and decision support in the context of e-government (e-tendering).

References

Tendering Process: Improvement of Analysis and Evaluation of Tenders based on the Use of Fuzzy Logic


- M. V. Rillaed, Critères d'attribution - Choix, pondération, cotation et motivation, Mouvement Communal, Belgique, 2011

- F. Lichère and F. Marty, Remedies in the Field of Public Procurement Law in France and in the USA: a Legal and Economic Comparison. Remedies and Economics, 2011


Tendering Process: Improvement of Analysis and Evaluation of Tenders based on the Use of Fuzzy Logic

- S. E. Kadiri, M. Delattre, P. Pernelle and A. Bouras, ''Une approche de construction des indicateurs de suivi basée sur la logique floue'', [1er Colloque International sur les Systèmes Industriels et Logistiques (SIL), Marrakech. Maroc, 2008]

Index Terms

Computer Science

Fuzzy Systems

Keywords

Tendering Artificial intelligence Decision support Fuzzy logic Rule of proportion

Public procurement

Method of analysis and evaluation of tenders

Company

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