

A Method of Identifying Differences among Members in Group Decision Making

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Abstract

According to the current Government Procurement Law (GPL) in Taiwan, the most advantageous tender is usually determined based on its highest overall score among all tenders. In order to avoid the influence of extreme evaluations by few Committee members, the GPL stipulates that where there is a significant difference in evaluations among Committee members, the chairperson shall present it to the Committee for resolution or there shall be a re-evaluation according to the decision of the Committee. However, due to lacking objective and distinct criteria for discriminating the significant differences in evaluations, this regulation is barely enforced in practice. Based on the Comparative Advantage Matrix and Hierarchical Cluster Analysis, this study proposes an improved procedure to identify significant differences in Committee members' evaluations. With analyzing a real procurement case, the result reveals that this improved procedure not only can detect the evaluation differences among Committee members, but it also may identify the sources of difference. Therefore, this improved procedure enables effective execution of the related stipulations and enhances quality in determining the most advantageous tender.