

工程与应用

第三方物流服务提供商的选择研究

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收稿日期 2008-5-8 修回日期 2008-6-16 网络版发布日期 2008-12-8 接受日期

摘要 在物流外包大发展的趋势下, 选择合适的第三方物流服务提供商对成功实施物流外包至关重要。因此, 提出一种选择物流服务提供商的综合方法, 该方法由两部分组成: (1) 物流服务提供商选择指标体系的约简、优化; (2) 构造对3PL提供商进行选择的BP智能神经网络。然后, 将该方法应用到一个算例进行研究。通过研究验证了该方法的实用性。此外, 该方法还可以使决策者更好的了解有关指标之间存在的冗余关系, 从而为改善决策的可靠性提供参考。

关键词 [物流外包](#) [第三方物流](#) [粗糙集](#) [BP智能神经网络](#)

分类号

Selection of Third-Party Logistics service provider

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Abstract

It is very important to select Third-Party Logistics (3PL, TPL) service provider in the outsourcing of logistics. So this article presents a comprehensive methodology for the selection of a logistic service provider. The proposed methodology consists of two parts: (1) Reduction (optimizing) the selection index system. (2) Establishment BP intelligent neural network. Thereafter, the application of the methodology for the final selection of a provider has been demonstrated through an illustrative example. The results of this example show the methodology is practically to select the 3PL service provider. In addition, this approach also enables the decision-makers to better understand the redundant relationships of the relevant index attributes in the decision-making, which may subsequently improve the reliability of the decision.

Key words [logistics outsourcing](#) [Third-Party Logistics \(3PL,TPL\)](#) [rough sets](#) [BP intelligent neural network](#)

DOI: 10.3778/j.issn.1002-8331.2008.35.062

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