

Accepted Manuscript

Benders Decomposition for the Hazmat Transport Network Design Problem

Pirmin Fontaine, Stefan Minner

PII: S0377-2217(17)31176-1
DOI: [10.1016/j.ejor.2017.12.042](https://doi.org/10.1016/j.ejor.2017.12.042)
Reference: EOR 14901



To appear in: *European Journal of Operational Research*

Received date: 13 January 2017
Revised date: 14 September 2017
Accepted date: 23 December 2017

Please cite this article as: Pirmin Fontaine, Stefan Minner, Benders Decomposition for the Hazmat Transport Network Design Problem, *European Journal of Operational Research* (2018), doi: [10.1016/j.ejor.2017.12.042](https://doi.org/10.1016/j.ejor.2017.12.042)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Benders decomposition approach for the Hazmat Transport Network Design Problem
- Scalability for large number of commodities through slave problem decomposition
- A partial decomposition for bilevel problems
- Significant run time improvement over a cutting-plane method from the literature
- Insights on the necessity of a bilevel formulation

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6894964>

Download Persian Version:

<https://daneshyari.com/article/6894964>

[Daneshyari.com](https://daneshyari.com)