

## Accepted Manuscript

### Value Function Approximation for Dynamic Multi-Period Vehicle Routing

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PII: S0377-2217(18)30171-1  
DOI: [10.1016/j.ejor.2018.02.038](https://doi.org/10.1016/j.ejor.2018.02.038)  
Reference: EOR 14998



To appear in: *European Journal of Operational Research*

Received date: 7 April 2017  
Revised date: 13 February 2018  
Accepted date: 16 February 2018

Please cite this article as: Marlin W. Ulme, Ninja Soeffker, Dirk C. Mattfeld, Value Function Approximation for Dynamic Multi-Period Vehicle Routing, *European Journal of Operational Research* (2018), doi: [10.1016/j.ejor.2018.02.038](https://doi.org/10.1016/j.ejor.2018.02.038)

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**Highlights**

- This paper introduces a new dynamic multi-period vehicle routing problem.
- We develop an anticipatory policy based on offline value function approximation.
- Our policy achieves significant improvements compared to benchmark policies.
- A detailed analysis highlights how multi-periodicity impacts decision making.

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