

## Accepted Manuscript

Optimal Mission Abort Policy for Partially Repairable Heterogeneous Systems

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PII: S0377-2217(18)30567-8  
DOI: [10.1016/j.ejor.2018.06.032](https://doi.org/10.1016/j.ejor.2018.06.032)  
Reference: EOR 15217



To appear in: *European Journal of Operational Research*

Received date: 27 October 2017  
Revised date: 11 June 2018  
Accepted date: 13 June 2018

Please cite this article as: Ji Hwan Cha , Maxim Finkelstein , Gregory Levitin , Optimal Mission Abort Policy for Partially Repairable Heterogeneous Systems, *European Journal of Operational Research* (2018), doi: [10.1016/j.ejor.2018.06.032](https://doi.org/10.1016/j.ejor.2018.06.032)

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### Highlights

- Mission abort for heterogeneous systems is considered based on updated information
- A random shock model is used to represent the random environment.
- Mission success probability and system survivability are suggested.
- Tradeoff between mission success probability and system survivability is demonstrated.
- Optimal mission abort policy is analyzed based on the model.

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