

Accepted Manuscript

Reliability Assessment of Phased-mission Systems under Random Shocks

Xiang-Yu Li , Yan-Feng Li , Hong-Zhong Huang , Enrico Zio

PII: S0951-8320(17)30539-2
DOI: <https://doi.org/10.1016/j.ress.2018.08.002>
Reference: RESS 6238



To appear in: *Reliability Engineering and System Safety*

Received date: 6 May 2017
Revised date: 28 July 2018
Accepted date: 1 August 2018

Please cite this article as: Xiang-Yu Li , Yan-Feng Li , Hong-Zhong Huang , Enrico Zio , Reliability Assessment of Phased-mission Systems under Random Shocks, *Reliability Engineering and System Safety* (2018), doi: <https://doi.org/10.1016/j.ress.2018.08.002>

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

- A reliability model for PMS subject to random shocks is proposed.
- MRGP is used to deal with the dynamic non-exponential components.
- A MC simulation procedure is proposed to evaluate PMS subject to random shocks.
- The result confirms the importance of considering random shocks in PMS reliability.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/7195079>

Download Persian Version:

<https://daneshyari.com/article/7195079>

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