

## Accepted Manuscript

The generalized age maintenance policies with random working times

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PII: S0951-8320(17)30239-9  
DOI: [10.1016/j.res.2017.09.003](https://doi.org/10.1016/j.res.2017.09.003)  
Reference: RESS 5941



To appear in: *Reliability Engineering and System Safety*

Received date: 24 February 2017  
Revised date: 20 July 2017  
Accepted date: 15 September 2017

Please cite this article as: Shey-Huei Sheu , Tzu-Hsin Liu , Zhe-George Zhang , Hsin-Nan Tsai , The generalized age maintenance policies with random working times, *Reliability Engineering and System Safety* (2017), doi: [10.1016/j.res.2017.09.003](https://doi.org/10.1016/j.res.2017.09.003)

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**Highlights**

- The age maintenance policies for a system with random working times are proposed.
- The maintenance policies based on “whichever occurs first/last/next” are explored.
- The existence and uniqueness properties of optimal maintenance policies are shown.
- A computational algorithm and a numerical example are presented.
- Previous models are special cases of our general model.

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