

Accepted Manuscript

Increasing Test Efficiency by Risk-Driven Model-Based Testing

Ceren Şahin Gebizli, Abdulhadi Kırkıcı, Hasan Sözer

PII: S0164-1212(18)30132-8
DOI: [10.1016/j.jss.2018.06.080](https://doi.org/10.1016/j.jss.2018.06.080)
Reference: JSS 10190

To appear in: *The Journal of Systems & Software*

Received date: 23 September 2017
Revised date: 20 June 2018
Accepted date: 26 June 2018

Please cite this article as: Ceren Şahin Gebizli, Abdulhadi Kırkıcı, Hasan Sözer, Increasing Test Efficiency by Risk-Driven Model-Based Testing, *The Journal of Systems & Software* (2018), doi: [10.1016/j.jss.2018.06.080](https://doi.org/10.1016/j.jss.2018.06.080)



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 novel approach is introduced for refining models used for model-based testing.
- Test models are updated based on usage profile, static and dynamic analysis.
- Updates help to explore paths on the test model that are more liable to failures.
- Two industrial case studies conducted on digital TVs and smart phones.
- Test efficiency is increased by revealing more faults in less testing time.

Download English Version:

<https://daneshyari.com/en/article/6885272>

Download Persian Version:

<https://daneshyari.com/article/6885272>

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