

A Maturity Model for Aerospace Defence Industry

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Abstract

This paper describes what is an optimal R&M design process, selected applicable and the most effective R&M techniques, to comply efficiently to the end-customer requirements for Aerospace Defense Industry. Compared with the traditional approach, this method significantly reduces the engineering effort required, while product performance higher system availability against lower maintenance cost due the effective and timely application of R&M activities improved significantly [1]. Maturity models offer organizations a simple but effective possibility to measure the quality of their processes. Emerged out of software engineering, the application fields have widened and maturity model research is becoming more important. During the last two decades the publication amount steadily rose as well. Until today, no studies have been available summarizing the activities and results of the field of maturity model research. In this study a maturity model and systematic mapping study was conducted. Maturity model and mapping method includes relevant publications of journals and IS conferences related with aerospace industry. As a results maturity model and mapping studies are a suitable method for structuring a broad research field concerning research questions about contents, methods, and trends in the available publications.

Keywords: Maturity Model, Defense Industry, Aerospace Industry, Mapping Method

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