

Master Thesis

Agile Systems Engineering – Comparison of Approaches

Motivation:

Systems Engineering is well known to provide an approach as well as modelling techniques (e. g. SysML) for building large and complex systems. In recent years agile methods got more and more attention in research and development teams, using also Systems Engineering approaches.

Thereby different approaches have been defined to combine both worlds together.

In this Master Thesis the comparison of existing agile systems engineering approaches should be done.

Tasks:

- Definition of an example for comparison of both language versions
- Definition of evaluation criteria valuable for comparison
- Comparison of existing approaches based on the evaluation criteria
- Description of advantages and disadvantages of approaches
- Definition of an own approach based on the evaluation

Requirements:

- Study Programs: Digital Technologies, System Engineering and Engineering Management
- Knowledge on Systems Engineering beneficial

Department of Electrical Engineering
Prof. Dr. Andreas Wübbeke
Phone: +49 (0)2921/378-3578
E-Mail: wuebbeke.andreas@fh-swf.de
Lübecker Ring 2
59494 Soest

Partner: