

## SysML – A comparison of version 2.x and 1.x

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Fachhochschule 

### Motivation:

SysML is the current international standard for modeling complex systems. It comes with a broad tool support and several adoptions and processes supporting Systems Engineering on development of systems. Currently the version 2 of SysML is prepared for the final release. As this is a major release with a lot of changes, the community needs to understand the differences, advantages and (perhaps) also disadvantages of SysML 2 compared to SysML 1.x (latest version is 1.7).

In this Master Thesis the comparison of both versions should be done.

### Tasks:

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

### Requirements:

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

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