Customer Requirements Specification

(Lastenheft)

(TINF19C, SWE I Praxisprojekt 2020/2021)

Project: *Modelling Wizard*

Customer: *Rentschler & Holder*
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0.1	28.10.2020	Timo Zaoral	created

Offene Punkte

In diesem Abschnitt sollen alle Probleme und offenen Fragen gesammelt werden. Bei einem fertigen Lastenheft sollte er leer sein, aber bei Zwischenversionen kommt diesem Abschnitt besondere Bedeutung zu!

CONTENTS

1. Goal

An application is to be further developed, which makes it possible to create new applications via a simple GUI.
of a device and the addition of device interfaces (e.g. physical ports) and
File attachments enables [1][2]. A Device can be created manually, but
also, by reading in existing device description files with the help of the
DD2AML converters [3]. The output is an AutomationML package that
complies with the rules for AML-DDs [4].

2. Requirements

2.1. /R10/ GUI Design

A GUI is to be designed.

2.2. /R20/ Usability Concept

For the GUI a suitable usability concept should be designed.

2.3. /R30/ CAEX 2.15 & CAEX 3.0 Output

It should be possible to choose between the output formats CAEX 2.15 and CAEX 3.0.

2.4. /R40/ Parameter Requirements

There shall be input fields for all parameters required by the minimum rules for AML-DDs.

2.5. /R50/ Mechanical and Hydraulic Interfaces

In addition to the electrical interfaces, the other connectors and interfaces of AutomationMLComponentStandardRCL and AutomationMLComponentBaseICL should also be available for selection, e.g. mechanical and hydraulic.

2.6. /R60/ Electric Interface Test

It is to be tested whether the use of the AML interface library can be selected for electrical interfaces.

2.7. /R70/ User Documentation

Detailed user documentation must be prepared.

3. References

[1]https://github.com/Rajkumarpulaparthi/ModellingWizard
[2]https://github.com/tinf17c/ModellingWizard
[3]https://github.com/WAntonia/TINF19C_Team_3_DD2AML-Converter
[4]https://www.automationml.org/o.red.c/dateien.html?cat=1