

# Developing a Standardized Data Format for Mission Profiles

## Workshop on Requirements Definition

### About the Workshop

Clear and unambiguous exchange of information between development partners in supply chains is key for developing reliable and robust electronic components. One way to convey information about design requirements is the use of mission profiles, which describe all functional and environmental loads components have to sustain during production, storage, shipping, assembly and operation. Mission profiles contain indispensable information for e.g.

- assessing the robustness of electronic and electro-mechanical devices
- assessing the maturity and suitability of manufacturing technologies to build robust and reliable products
- designing, verifying and validating an individual product or a product class.

The application of mission profiles is fundamental to technology development, product robustness validation and reliability engineering, and not limited to an industrial domain. However, there exists no standardized electronic data format for mission profiles yet. The project ELDA-MP aims to fill this gap.

### Workshop Goals and Preparation

Thus far the project partners have established a series of use cases which have been used to deduce requirements for the mission profile data format. This workshop aims at discussing these requirements with external experts. The project partners will present the work completed up to this point but, most importantly, will seek feedback and new input from the participants.

To achieve the best result, material (e.g. use case specifications and requirements) will be provided prior to the workshop. It will contain the current status of the project as well as tasks to be prepared beforehand.

The workshop will take place on

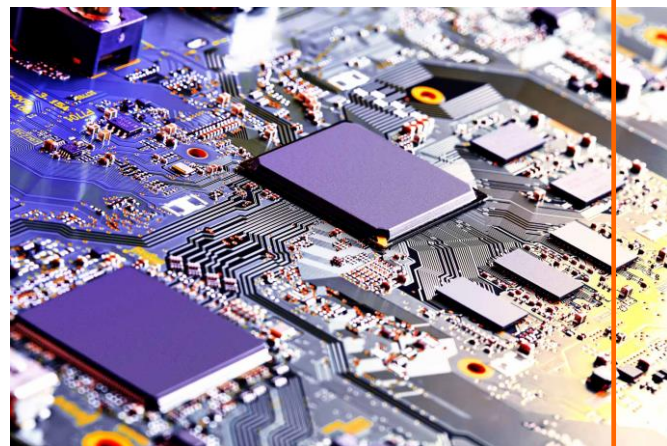
**Thursday, June 18, 2020**

**10:00 – 16:00**

at

**Agile Offices Frankfurt am Main**

Am Hauptbahnhof 12  
60329 Frankfurt am Main



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## Agenda

**June 18, 2020**

Depending on the development of COVID-19 situation the workshop might be held as a web meeting. In this case the agenda will be changed to fit the new format. The decision will be made mid of May; an updated agenda will be published together with the notification.

- 09:30 – 10:00 Registration
- 10:00 – 10:05 Welcome
- 10:05 – 10:25 Introduction to the project and the workshop
- 10:25 – 12:00 Workshop session I: Use cases
- 12:00 – 13:00 Lunch break
- 13:00 – 14:30 Workshop session II: Requirements
- 14:30 – 15:00 Coffee break
- 15:00 – 16:00 Wrap up / end of workshop

## Registration

To register please send an e-mail including your name and organization to Alexandra Fabricius ([alexandra.fabricius@vde.com](mailto:alexandra.fabricius@vde.com)) until June 6, 2020.

Attendance is free of charge.

## About the Project ELDA-MP

The project ELDA-MP receives funding within the WIPANO program of the German Federal Ministry for Economic Affairs and Energy (BMWi). It runs until end of 2021.

ELDA-MP aims at developing an electronic data format for mission profiles based on the work done in two previous publicly-funded projects [autoSWIFT](#) and [RESCAR 2.0](#). The result will be proposed for standardization, both nationally and to the International Electrotechnical Commission (IEC).

### Project partners

DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE, AUDI AG, Fraunhofer Institute for Integrated Circuits IIS/Division Engineering of Adaptive Systems EAS, FZI Research Center for Information Technology, Robert Bosch GmbH, Technische Universität Dresden

### Associated Partners

GLOBALFOUNDRIES Dresden Module One LCC & Co. KG, Hood GmbH, Infineon Technologies AG, Universität der Bundeswehr München, Volkswagen AG

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