

Call for experts for “BLOB Content Profiles”

The feature BLOB transmission provides excellent functions for transferring large amounts of data via IO-Link without changing the infrastructure.

Currently a tool connected to an IO-Link Master is able to provide blob data, but there are no standardized formats defined.

The task is to specify profile variants with data formats that can at least be displayed across manufacturers and regardless of Device specific characteristics.

The focus of the profile is upload of data from the Device.

Examples

- Application profile – diagnosis data, logging, IODD-Upload, etc
- Data formats to define application for further handling, like csv, zip, jpg, etc.
Standardized data formats should preferably be used
- Definitions of recommended contents in free usable packages (csv – header line, structure rules, layout, decimal point, time formats → format cookbook)

In addition, the aspects of performance, time stamp, data consistency and control of recordings should be considered

The subjects production, authentication and encryption are not part of the task

A new team of the profile working group, focused on these topics is proposed and is looking for experts who are willing to contribute actively their experience and requirements in this field.

Some of the issues that are up for discussion are:

- Cooperation with other Profile Working Groups
- Use Cases and Requirements
- Scope and Device Classification
- Device Model
- Common Functions
- Parameter Structure
- Content structure
- Testability

All interested member companies are invited to join this working group. Please sign up if you are interested by March 31th, 2021 by sending e-mail request to

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