

1 Scope

This technical report (TR) provides an evaluation and assessment of EDDL technology. It provides guidance to device and system manufacturers for how EDDL technology can help them meet user requirements. It provides guidance to system integrators, as well as instrumentation and maintenance practitioners at end-user companies, on how EDDL technology can help them integrate systems and incorporate device management in their work processes.

This TR gives examples of requirements from the NAMUR NE 105 recommendation. It is the intent of this TR to illustrate how EDDL technology and products based on EDDL technology meet these requirements.

This TR provides a current assessment of the capability of the EDDL technology and the features and capabilities it enables in devices and tools such as handheld field communicators, DCS engineering software, DCS operator software, device management software as part of plant asset management solutions, as well as stand-alone software for use in laptop or tablet computers.

2 Normative references

Normative references are not applicable in a technical report. For a list of documents that are referenced in this TR, see the Bibliography at the end.

3 Terms, definitions, abbreviated terms and acronyms

3.1 Terms and definitions

For the purposes of this document, the following, some of which have been compiled from the referenced documents, apply.

3.1.1

EDD developer

individual or team that develops an EDD

3.1.2

audit trail

log of changes made to and events occurring to devices such as configuration change, calibration, and failures

3.1.3

backwards compatibility

capability of a new version of a product to interoperate with the same products as its earlier version

3.1.4

content & structure

information and how it is organized

NOTE That is, what information is displayed and where, and what functions are provided. Note the distinction from look & feel.