

Release Presentation

ASAM AE MCD-2 NET (Fibex) V4.0.0

Munich, 2011-05-30



Deliverables

- New Base Standard FIBEX_V4_0_0.pdf
- XML schema and example files
- HTML documentation, baseline and release notes

Introduction

One of the major changes is the support for Ethernet communication technology together with support for the protocols of the internet technologies (e.g. TCP/IP). Additionally communication in form of client-server-based and event-based services can be described. Therefore IDL (Interface Description Language) features are added to FIBEX.

The support for external references gives the opportunity to refer to externally defined properties of an element.

Variant management gives the possibility to distinguish different subsets in a single FIBEX instance.

What's new

- Support for new communication technologies:
 - Ethernet (fibex4ethernet.xsd),
 - Internet Technologies (fibex4it.xsd) and
 - Services (fibex4services.xsd)
- Many base type definitions were added to fibex.xsd
- Support for external references added to fibex.xsd
- Support for variant management added to fibex.xsd

Compatibility

The additional changes are supplementary. Therefore the other FIBEX-extensions are compatible.

In order to transform FIBEX 3.1.1 files to 4.0.0 the following modifications must be done:

An ID attribute has to be added to all elements of the type INCLUDED-PDU-TYPE and INCLUDED-SIGNAL-TYPE because they are now extensions of IDENTIFIABLE-ELEMENT-TYPE. This is needed for the variant management extension, where a variant need to refer to these elements.