HIST
Host Interoperability Support Test

ABB initiates the extensive and time-consuming requirement driver tests to obtain easy implementation of devices.

These HIST campaigns are the result of an successful registration process by FCG or PNO. It verifies the functionality of a HOST and its conformity with the ABB drivers.

Info: DCS are using the following driver types:

DTM – Device Type Manager
It is a graphical software technology (FDT), that describes the device.

(EDD) – Electronic Device Description
Originally started with handheld configurators, these are files, which describe the configuration for process field devices with less graphic. The standard is IEC 61804. Some DCS needs special EDDs.

FDI – Field Device Integration
An FDI-Package comprises device description, optionally UIP programmed user interface device applications and attachments like manuals, certificates, device specific files or GSD.

Contact

Field Device Driver Integration
ABB takes care of device integrating into 3rd party systems

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Field Device Driver Integration
ABB ensures functionality in mandatory 3\textsuperscript{rd} party HOSTs

ABB drivers are suitable for the main Control Systems

ABB devices are registered/certified before integration. This is ensuring the interoperability of typical driver, which depends on the specific DCS. The general manufacturer mix in a plant expect the right integration tasks by ABB.

- ABB 800xA → DTM, FDI-Package
- Emerson AMS → EDD
- Siemens PDM → EDD, FDI-Package
- Honeywell PKS → EDD
- Yokogawa PRM → EDD

ABB takes care in digital automation communication networks providing device integration as a base of the Industrial Internet of Things.

- HART
- PROFIBUS
- Foundation Fieldbus
- Modbus

- Siemens
- Emerson
- Honeywell
- Yokogawa

FCG = Field Comm Group
PNO = Profibus User Organization
FDI = Field Device Manager
DTM = Device type Manager
DCS = Distributed Control Systems

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Pressure
Analytical
Level
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