



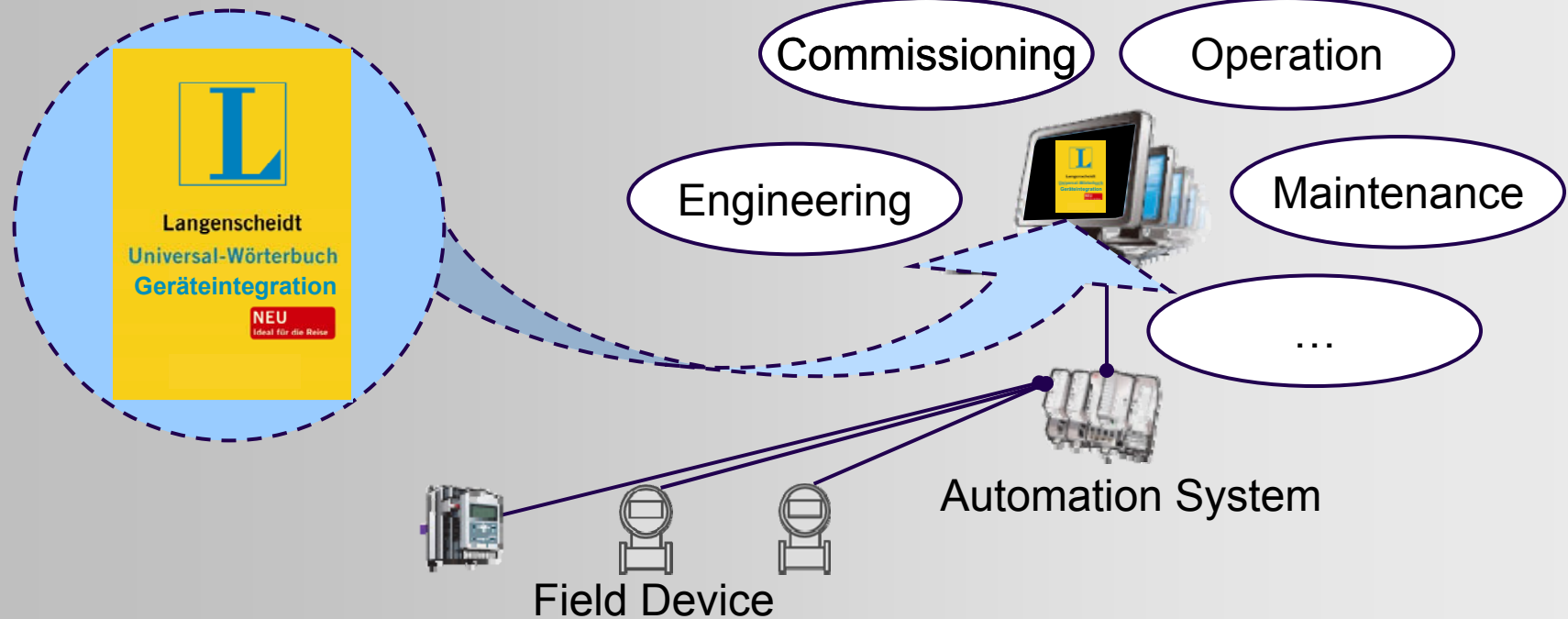
# **FDI Cooperation LLC**

**Press Conference, June 19<sup>th</sup>, 2012**

**Achema 2012; Frankfurt am Main**



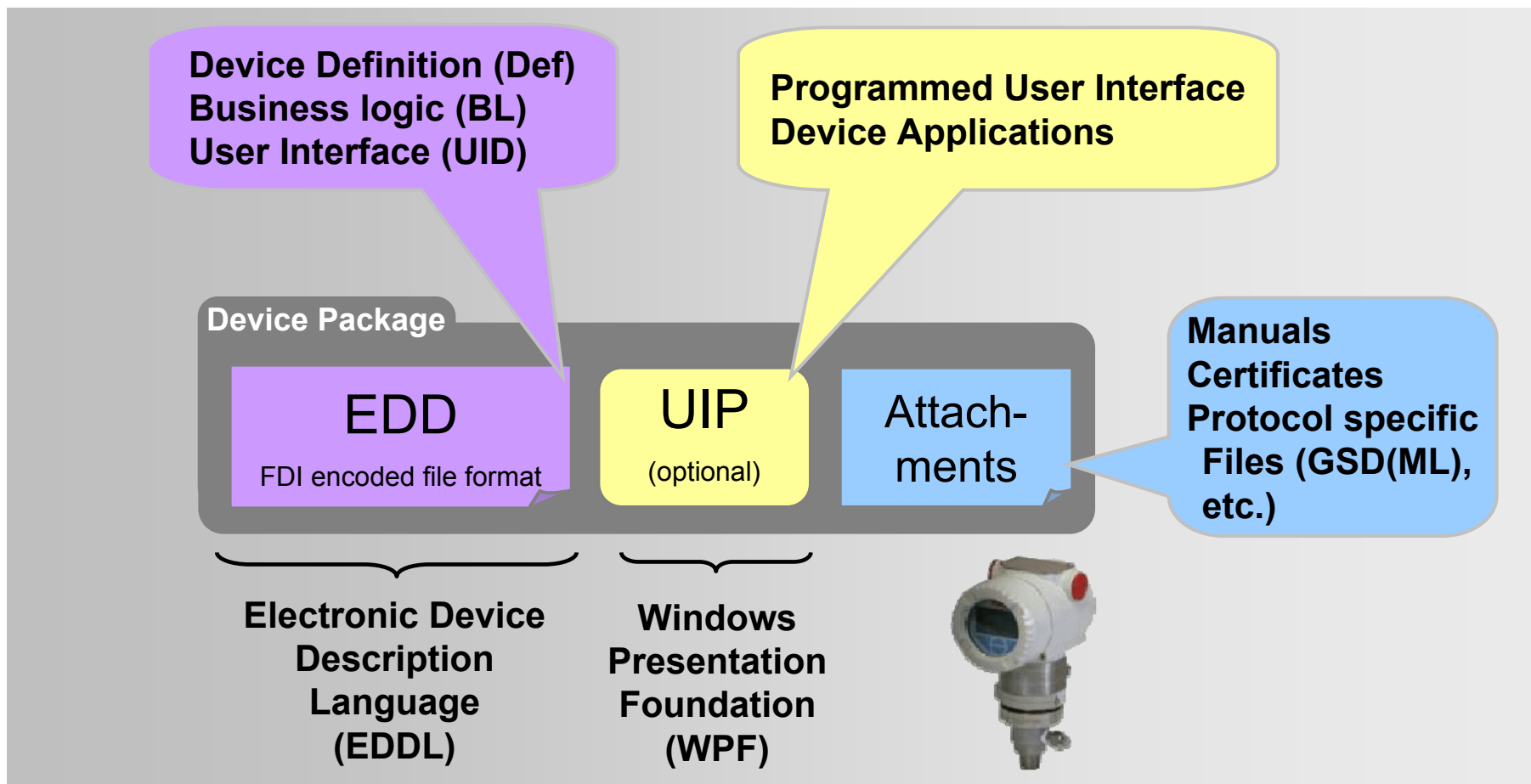
# Device Integration



With the Device Integration, a Host can get access (from a central location) to the Device functions and information.

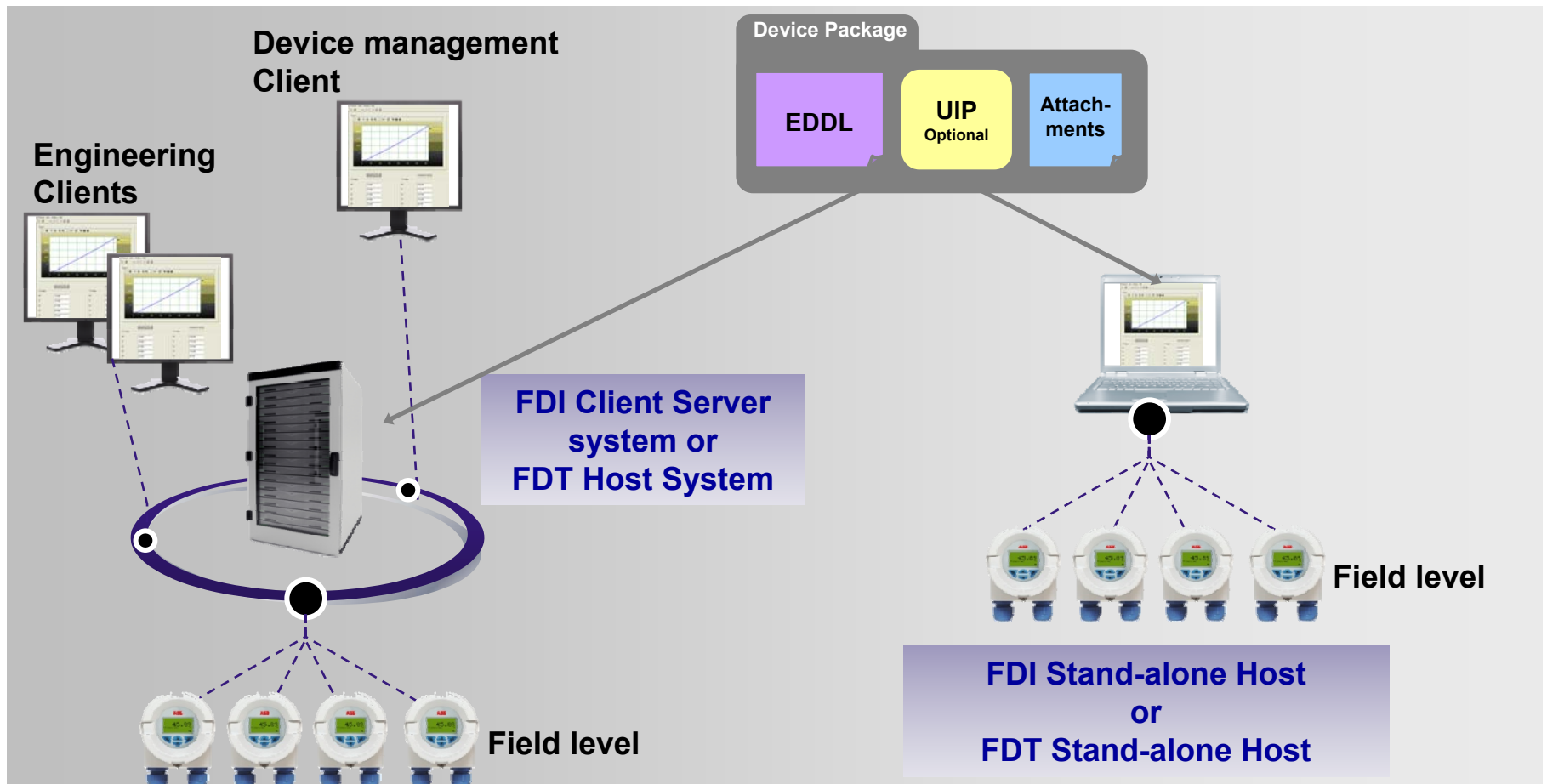


## The Device Package covers all device functionality





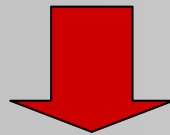
# Device Packages run on any kind of host systems





## Value of FDI Across the Plant Lifecycle

- FDI reduces Complexity and Integration Costs.
- Faster Time to Start up.
- FDI has the potential to reduce costs throughout the plant lifecycle.



- The end user will not even know FDI is there. It ties everything together behind the scenes.
- FDI is backwards compatible with previous versions of EDDL.
- FDI technology can be used with an FDT2 Frame.
- FDI allows us to move forward and focus on the applications instead of the integration required.





## FDI Provides Connectivity

- FDI Resides in Plant Asset Management Applications, DCS Host Systems.
- Managing intelligent devices requires complex web of interaction between hosts, PAM systems, historians, configuration databases, etc.
- CMMS integration is essential – the goal of automatically generating work orders.
- FDI provides an optional single layer of connectivity for these applications.

DCS Host

CMMS

PAM System

Historian

Alarm Management System



HART  
COMMUNICATION FOUNDATION



PI  
PROFIBUS - PROFINET



Intelligent Devices, Drives and Motor Controls



## IEC standardization/ Conformance testing

### IEC (International Electrotechnical Commission) Standardization

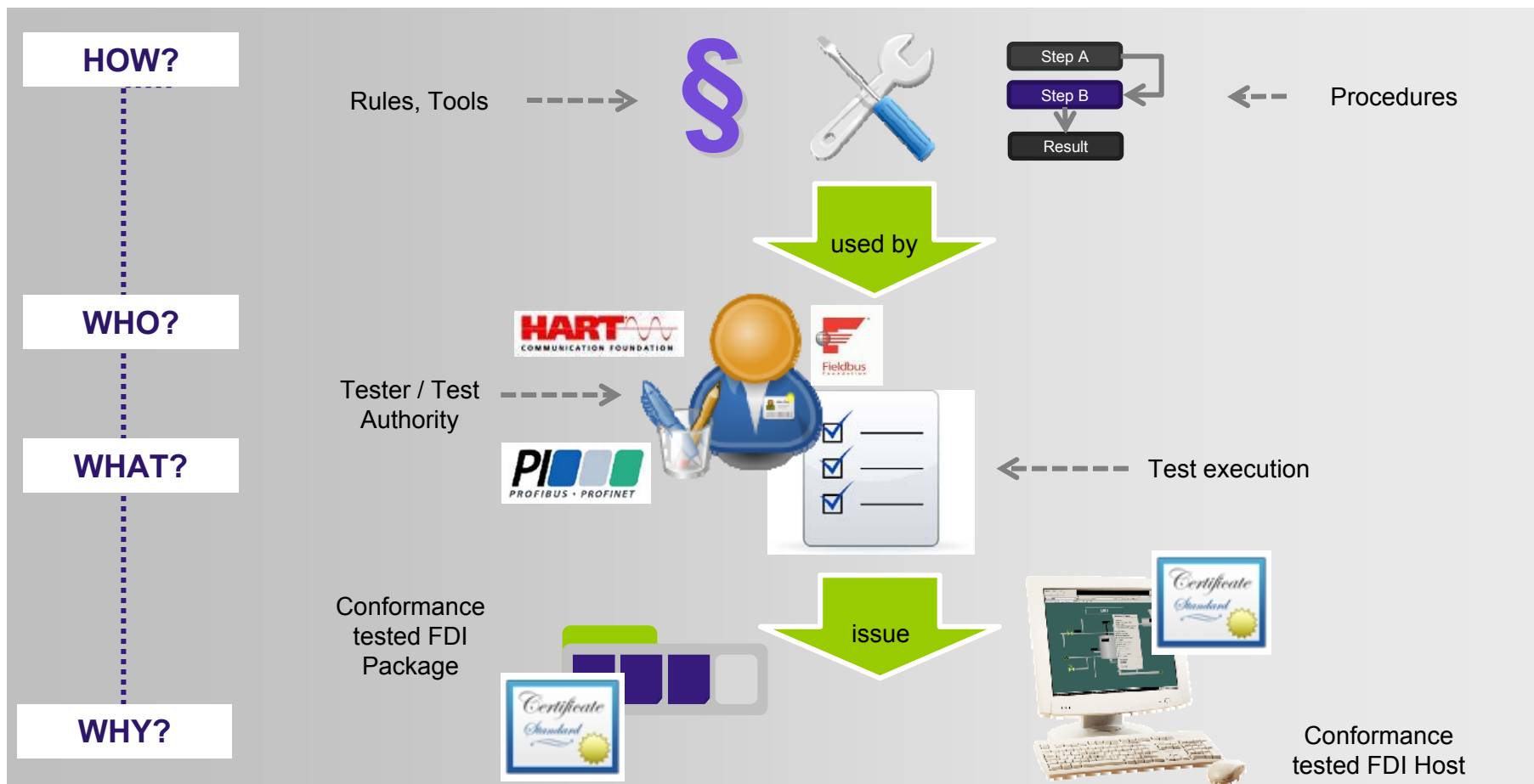
- Most recent draft of FDI specifications was submitted to IEC in April 2012
- FDI is awaiting the IEC review process and comments

### Conformance Testing and Registration Plan

- Conformance testing is important to ensure interoperability and to meet the requirements of the standard
- Conformance testing of FDI will be performed as an add-on to existing product conformance tests at FF; HCF; PROFIBUS & PROFINET International
- FDI develops a conformance testing concept



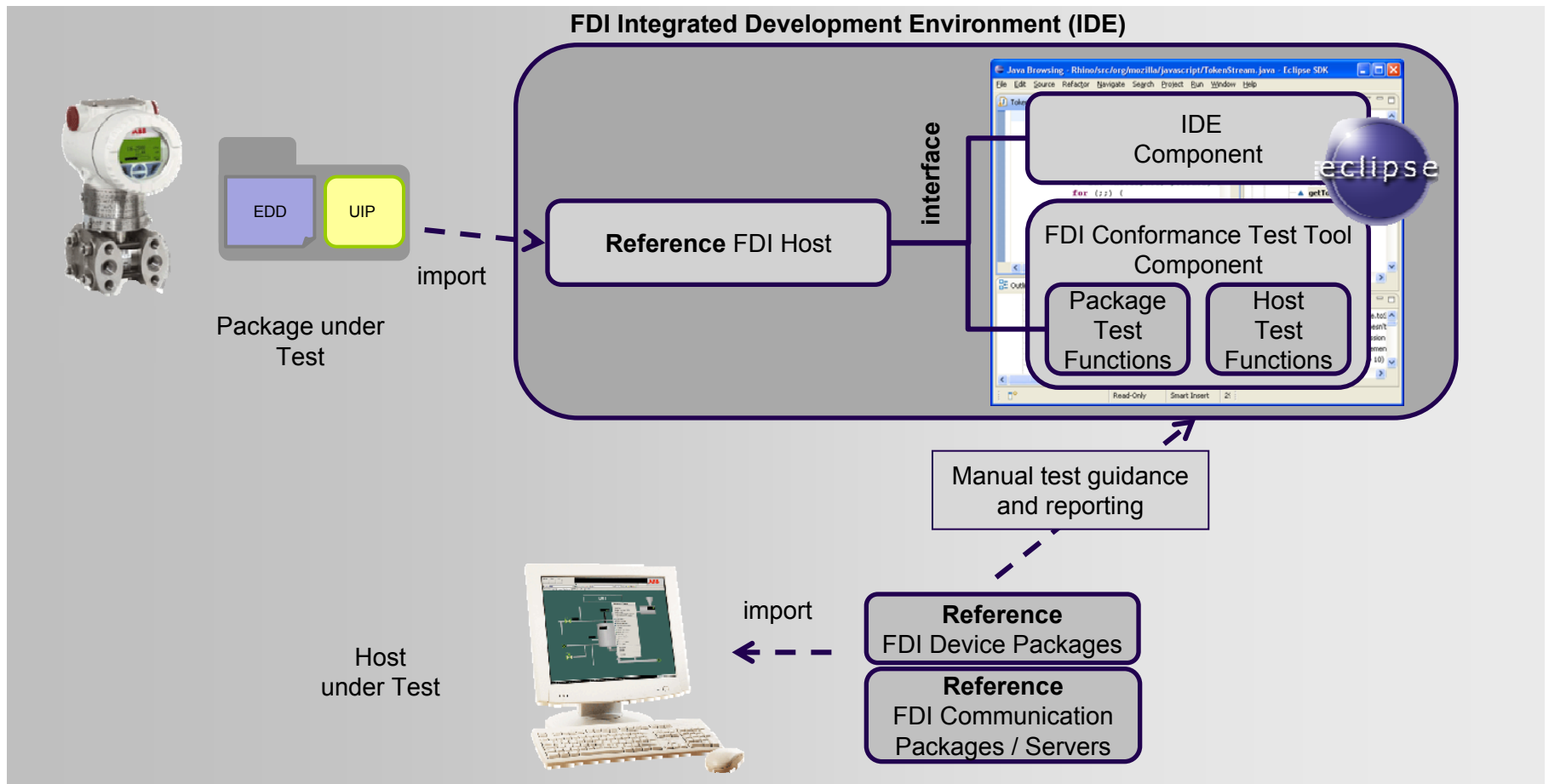
# Conformity testing overview







# Conformance test tools overview





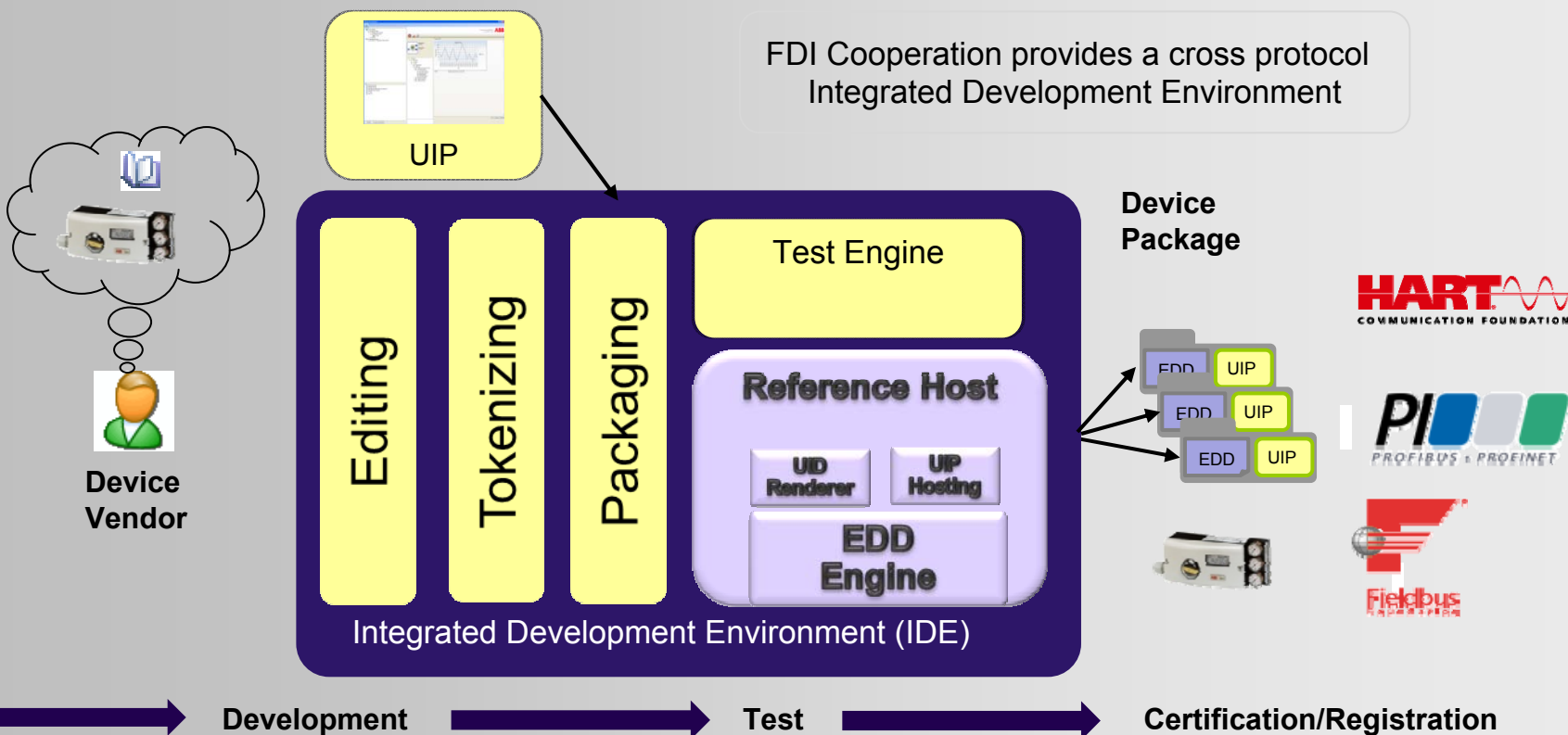
## Integrated Development Environment (IDE)

- IDE is necessary to ensure that products conforming to the FDI specifications can be developed effectively and consistently
- FDI IDE supports device vendors that are developing FDI Packages across fieldbus protocols
- IDE tentative release date is planned for the end of 2013
- IDE will be marketed through the foundations (FF; HCF; PROFIBUS & PROFINET)



# Integrated Development Environment

## Development and Test of Device Packages





## FDI-Website

<http://www.fdi-cooperation.com>



The screenshot shows the homepage of the FDI website. At the top, there is a navigation bar with the following menu items: Home, Vision/Mission, Organization, Technology, Events, and Press & Media. Below the navigation bar, there is a main content area. On the left, there is a photograph of a man in a suit pointing at a diagram on a screen. The diagram shows a central box labeled 'FDI' with arrows pointing to five surrounding boxes labeled 'PI', 'OPC', 'HART', 'PROFIBUS', and 'PROFINET'. To the right of the photograph, the text reads: 'Welcome to FDI: FDI – the common solution to device management'. Below this, a paragraph states: 'The five major automation foundations, including the FDT Group, Fieldbus Foundation, HART Communication Foundation, PROFIBUS & PROFINET International, and OPC Foundation have developed a single common solution for Field Device Integration (FDI)'. At the bottom of the main content area, there is a link that says 'You want to know more? Read more on our pages ...'. On the right side of the main content area, there are two buttons labeled 'NEWS' and 'EVENTS'.

Information on:

- Vision/ Mission
- Organization
- Technology
- Events
- Press & Media



## FDI at the Achema

### Field Communication Lounge

Hall 11 Via B29; Mezzanine Level

### **Automation Dialogue; FDI Panel Discussion organized by ARC, NAMUR and ZVEI**

22. June 2012; 10.30-11.20 am;

Title “FDI- the common solution for Device Management”

Mr. Michael Pelz, Clariant, Moderation

Mr. Hans-Georg Kumpfmüller, Siemens

Mr. Raimund Sommer, Endress + Hauser

Mr. Stefan Erben, Samson

Mr. Joachim Jost, Sanofi Aventis

Mr. Achim Laubenstein, FDI Cooperation



**Thank You**

**Questions?**