



Global eBusiness Interoperability Test Bed Methodologies (GITB)

CEN Workshop



www.ebusiness-testbed.eu

THE PROJECT IN BRIEF

MOTIVATION

In the move towards globally networked enterprises, more and improved e-business testing capabilities are needed, particularly in situations where e-business standards are to support complex interactions among a larger number of organizations. The work on GITB is motivated by the increasing need to support testing of eBusiness scenarios as a means to foster standards adoption, achieve better compliance to standards and greater interoperability within and across the various industry, governmental and public sectors. More advanced testing methodologies and practices are needed to cope with state-of-the-art eBusiness standards – covering business processes, business documents, transport and communication protocols –, as well as test beds addressing the specific requirements and operational constraints of eBusiness environments.

GOALS AND VISION

The Global e-Business Interoperability Test Bed project (GITB) focuses on methodologies and architectures that support e-business standards assessment and testing activities from early stages of eBusiness standards development and proof-of-concept demonstrations to implementation and deployment of large-scale eBusiness solutions.

The long-term objective is to establish a shared and Global eBusiness Interoperability Test Bed (GITB) infrastructure to support conformance and interoperability testing of comprehensive eBusiness specifications and their implementation by software vendors and end-users. It will support the realization of GITB as a network of multiple test beds leveraging existing and future testing capabilities and fostering the development of remote services and future test components by different stakeholders.

GITB intends to increase the coordination between the manifold industry consortia, standards development organisations, and test bed providers with the goal to increase awareness of testing in eBusiness standardization and to reduce the risk of fragmentation, duplication and conflicting eBusiness testing efforts.

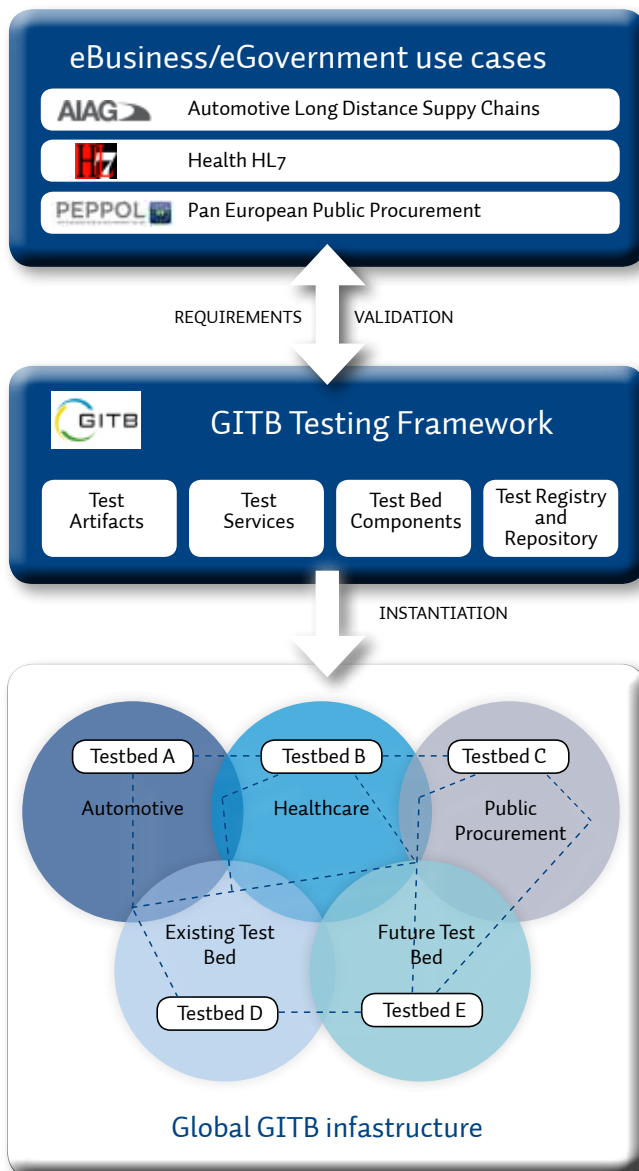
GLOBAL COLLABORATION

GITB is a global initiative hosted by the European Committee for Standardization (CEN) and supported by the European Commission, the Directorate General Enterprise and Industry, and the European Free Trade Association. It is supported by European, North American and Asian partners, such as European Telecommunications Standards Institute (ETSI), National Institute of Standards and Technology (NIST), KorBIT and industry associations, such as Automotive Industry Action Group (AIAG).

THE GITB TESTING FRAMEWORK

The GITB Testing Framework comprises architecture, methodology and guidelines for assisting in the creation, use and coordination of Test Beds, including

- test artifacts (test logic, test configuration and test output documents),
- test service and interface definitions (design, deploy, execute, search),
- test bed components (core platform and user-facing components as well as “plug-ins” for specific testing capabilities),
- a test repository and registry (for managing, archiving and sharing distributed testing capabilities).



GITB promotes the reusability of testing resources and capabilities among different domains and different standards. By complying to GITB recommendations, existing Test Beds and future test components can share their resources to address the requirements of today’s eBusiness environment (Global GITB Infrastructure).

USE CASES, GITB works with several industry communities to capture the verification scope of standard-based e-business scenarios (“what to test”), to specify the operational testing requirements (“how to test”) and to validate the GITB testing framework:

- **Automotive Industry:** MOSS (Materials Off-Shore Sourcing)
- **Healthcare:** HL7 v3 Scenarios and Clinical Document Architecture (CDA)
- **Public Procurement:** Pan European Public Procurement (PEPPOL)

WHO SHOULD ENGAGE IN GITB AND WHY?

- **End-users:** By supporting GITB, end-users ensure testing services for eBusiness scenarios are available. They thereby realize the benefits of eBusiness solutions more quickly, with less project risks, and reduce their integration costs when setting up eBusiness connections.
- **Industry consortia and standards development organizations:** A GITB compliant Test Bed increases the quality, coherence and consistency of standards specifications and promotes standards deployment by conformance and interoperability testing services. They avoid investments in low quality, non-interoperable standards.
- **Software vendors and application integrators:** GITB supports software vendors in developing enterprise applications that are standards-compliant and integrating enterprise applications in a demonstrably conformant and interoperable manner.
- **Testing laboratories:** By participating in GITB, testing laboratories are at the forefront of testing methodologies for state-of-the-art scenarios. They can increase their testing service portfolio and increase their customer base.
- **National governments and the European Union:** By supporting GITB, they provide industry, including SMEs, with high-quality ICT standards in a timely manner to ensure competitiveness in the global market while responding to societal expectations.

MORE INFORMATION

Project website: www.ebusiness-testbed.eu

CEN website: <http://www.cen.eu/cen/sectors/sectors/issv/workshops/pages/testbed.aspx>

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SUPPORTING ORGANIZATIONS (EXTRACT)

