



The EU demands the unbundling of the electricity and gas markets, putting energy suppliers under immense pressure to meet tight deadlines.

EDI@Energy

1. As part of informational unbundling, energy providers are forced to unbundle the operational units network, supply and metering (measurement operations and services).
2. All communication between the unbundled units must be compliant with specific standards.
3. In Germany, the informational unbundling must be concluded by October 1, 2010.

Identical and standardized processes have to be used for all communication, regardless of whether the communication takes place externally, internally, or in-between unbundled business divisions (the regulations in question

are BK6-06-009 Strom and BK7-06-067 Gas according to BNetzA in Germany). This is to guarantee free and equal access to the European power and gas distribution system for all energy providers. After implementation, it will be the energy providers' responsibility to prove standard compliance at any given time – thus, the burden of proof lies with the energy provider.

The challenge

TRICENTIS has inquired into the status quo of the affected companies. The findings show that, at the moment, most of the business processes affected by unbundling face a substantial lack of quality assurance.

- Testing is conducted manually and unsystematically
- Suitable concepts exist neither for scalability tests nor for regression testing after project conclusion

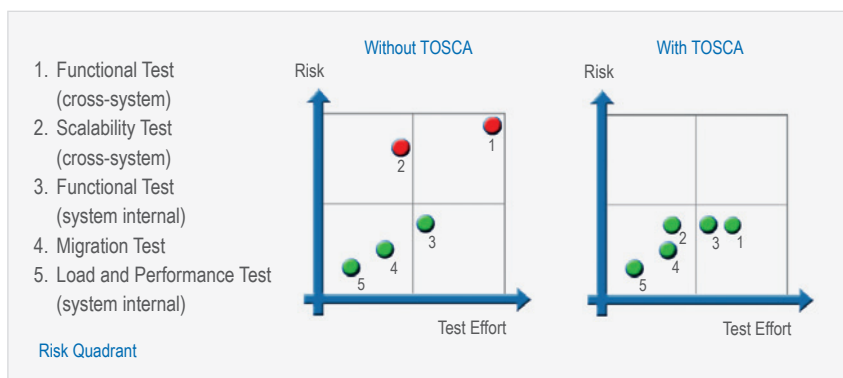
The consequences: minimal test coverage with maximum test efforts and maximum runtime with minimum performance.

As long as the standard approach is applied, cross-system testing of the new, complex processes affected by unbundling projects can only be tested insufficiently and at a later stage of the project. All involved systems would first have to be up and running, which means running a tremendous functional risk during the final state of the project.

TOSCA Testsuite™

TOSCA Testsuite™ is an integrated solution for test management and test automation, serving as a single administration interface for manual, semi-automated as well as fully automated test case portfolios:

- Automated message generation and verification
- Manual and automated simulation of user interaction
- Stable execution of automated tests with only a minimum of maintenance required
- Message generation and distribution can be easily automated for performance scenarios
- GUI as well as non-GUI systems can be tested in a purely business-based way with no programming knowledge required at all
- Complete test case portfolios with industry-wide validity are already at hand and waiting to be used in unbundling projects
- Powerful AddIn concept for the seamless integration of existing requirements and defect management systems



The solution: TOSCA@energy

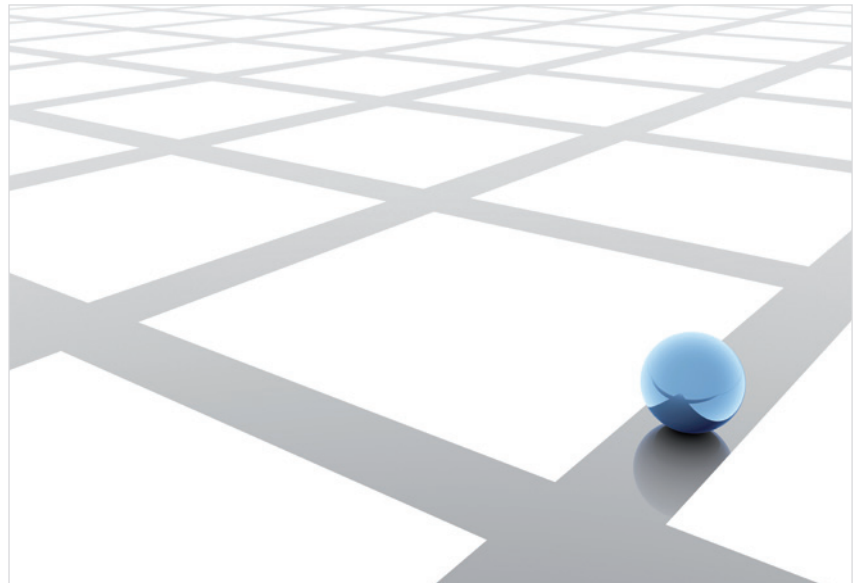
With TOSCA Testsuite™, a complete simulation of the unbundled units network, supply and metering can be conducted even before the unbundling process is available cross-system.

Separated test tracks already allow you to test comprehensively at an early development state. Cross-system tests during the final phase of the project merely serve as spot tests.

A predefined set of standardized messages with industry-wide validity is already part of TOSCA Testsuite™.

TOSCA can automate message generation, distribution, and reception processes, as well as response analysis.

The semantic and syntactic elements of all messages necessary for ideal test coverage are already prepared and only have to be amended by their specific data content. For performance simulation under real conditions, data traffic must be applied to the interfaces. With TOSCA, automated functional test cases can be used to generate this load without making any adaptations.



TOSCA also provides the desired proof of compliance for both internal and external communication.

Since TOSCA represents tests on GUI and non-GUI interfaces in an entirely business-based way, users only need business knowledge of the test object to cope with the most complex messages. Programming or scripting skills are not required at all.

Thus, TOSCA Testsuite™ manages all project risks with an entirely business-based approach.

In addition, the highly skilled and experienced TRICENTIS consulting team supports your project with profound knowledge of the industry, ranging from test case design to training courses, up to test execution.

Easy testing with TOSCA

- Separation of cross-system tests at any stage of the project
- Semi- or fully automated tests can be run at an early stage of the project
- The test portfolio can be used for efficient regression testing at any time
- Manual test cases from early project phases can be integrated into the completely automated test case portfolio by a simple click of the mouse
- Comprehensive test protocols provide proof of communication compliance in-between the business units of energy providers

Contact

Headquarters
TRICENTIS Technology & Consulting GmbH
Leonard-Bernstein-Straße 10
1220 Vienna, Austria

Email: office@tricentis.com

If you need more information on subsidiaries and/or our contact details, please visit our homepage:
www.tricentis.com | www.tosca-testsuite.com

