



Application bus for Interoperability in enlarged Europe SMEs

Fact Sheet

Project Information

ABILITIES

Grant agreement ID: 027306

[Project website](#) 

Start date

1 January 2006

End date

31 January 2008

Funded under
FP6-IST

Overall budget
€ 3 133 494

EU contribution
€ 2 169 958

Coordinated by
TXT E-SOLUTIONS SPA
 Italy

Objective

The basic goal of the present ABILITIES (Application Bus for Interoperability In enlarged Europe SMEs) proposal is to study, design and develop a federated architecture implemented by a set of intelligent and adaptive UBL active messages (an Application Bus for EAI) and basic interoperability services, aiming at supporting SMEs EAI in e-commerce contexts, specifically in less developed Countries and less RTD intensive industrial sectors.

In particular, ABILITIES will address three research streams:

- Orientation towards Enlarged Europe SMEs: starting from OASIS's UBL specifications define a generic XML interchange format for business documents for order-to-invoice;
- Federated Architecture and Intelligent Business Documents: provide support for the architecture that ISO 14258 (International Standard prepared by Technical Committee 184) identifies as federated (on-the-fly reconciliation and mapping negotiation, as no reference meta-model can be developed). Also in the presence of

a reference meta-model for order-to-invoice business documents (UBL), ABILITIES will experiment an innovative blended architecture which could join message-based Service Oriented Architectures and Intelligent Multi-Agent Systems;

- Service Orchestration and Business Process support: Study and provide reconciliation between research and standards in business documents and research and standards in business process management.

In addition, ABILITIES will test and validate such technologies in real-life SMEs-driven business scenarios located in New Member States and implement:

- Collaborative business work scenarios for Retail SMEs in Lithuania;
- Business process development and interconnection for High-Tech SMEs in Slovakia;
- Mobile and ubiquitous work support in Agro-food SMEs networks in Turkey;
- e-business Document exchange for the Textile-Clothing SMEs supply chain in Romania;
- Semantic content reconciliation for Tourism SMEs in Hungary.

Programme(s)

Topic(s)

Funding Scheme

STREP - Specific Targeted Research Project

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