

VENUE

The B2B Workshop will be held in
ETSI's headquarters.
650 Route des Lucioles
06 921 Sophia Antipolis Cedex
FRANCE
Tel: +33 4 92 94 42 00



ORGANIZATION

- Each session is led by a chairing committee,
- The chairing committees will select the presentation and lead the Q&A sessions,
- Note: some participants for the chairing committees are proposed in the agenda below, but no final decision has been taken, so that interested persons shall send their candidature,

Program of the Workshop:

- **Day 1:** the B2B interoperability
 - Session 1: Integration of eBusiness solutions - implementation use cases
 - Experiences in assembling eBusiness solutions,
 - Implementation feedbacks: Success stories and challenges.
 - Session 2: Integration of eBusiness solutions – Standardization issues
 - Standards Integration, Issues and Best Practices,
 - How different standardization issues fit together.
- **Day 2 :** Global Test Network (GTN)
 - Initiatives for improving interoperability and developing eBusiness testing.

Please notice that presentations shall not exceed 20 minutes, and are followed by a Q&A session.

Deadlines

- Friday 20 June 2008 – deadline for sending the presentation to ETSI.

Registration

- No registration fees.
- Registration web pages including travel information will be provided soon.

AGENDA

Day 1 - Monday July, 7 th 2008 – the B2B Interoperability workshop	
08:00 – 09:00	Registration and Coffee
09:00 – 09:10 09:10 – 09:20	Welcome and Opening Address ETSI Welcome, CEN Welcome,
Session 1: Integration of eBusiness solutions - Implementation Uses Cases	
Chair	Alain DECHAMPS, CEN Jacques DURAND, FUJITSU Samy SCEMAMA, Boostaero
09:20 – 09:50	Peter BORRESEN (Dataient) - Business Interoperability Interfaces on public procurement in Europe
09:50 – 10:20	Piero De SABBATA (ENEA) - eBIZ-TCF: harmonising eBusiness for SMEs in the textile, clothing and footwear sectors
10:20 – 10:50	Arild HARALDSEN (Norstella) - XML message standard for shortsea shipping
10:50 – 11:10	Coffee Break
11:10 – 11:40	Michael MERZ (Ponton Consulting) - EFETnet - applying ebMS 2.0 for European commodity traders
11:40 - 12:10	Samy SCEMAMA (Boostaero) - Conformance testing and certification process for eSupply chain standards of the aerospace industry.
12:10 - 12:40	Pim Van Der EIJK (OASIS) - OASIS ebXML Standards for e-Government Integration
12:40 – 14:00	L u n c h
Session 2: Integration of eBusiness solutions - Standardization issues	
Chair	Alain DECHAMPS, CEN Jacques DURAND, FUJITSU Samy SCEMAMA, Boostaero
14:00 – 14:30	Eva COSCIA (eProcurement) – The eProcurement Forum
14:30– 15:00	Alain DECHAMPS (CEN) - CEN and the eBusiness standardisation fostering interoperability.
15:00 – 15:30	Rik DRUMMOND (Drummond Group) - How Testing errors inhibit eBusiness and eGovernment.
15:30 – 16:00	Coffee Break
16:00 – 16:30	Jacques DURAND (Fujitsu) - Profiling of standards: a necessary step for Interoperability.
16:30 – 17:00	Roland MERRICK (IBM) - Profiling, developing and applying standards profiles to the benefit of interoperability in B2B.
17:00 – 17:30	Peter POTGIESER (ABN-AMRO) - Dematerialisation of Trade processes
17:30 – 18:00	Samy SCEMAMA (Boostaero) - TICIO project: Inter Operable Information and Communication Technology for eSupply chain.

Day 2 - Tuesday July, 8 th 2008 – GTN Workshop	
Session : Global Test Network (GTN) – initiatives for improving interoperability and developing eBusiness testing.	
Chair	Christine LEGNER, IRIS Jacques DURAND, FUJITSU Nenad IVEZIC, NIST
09:00 – 09:30	Yannis CHARAL Aidis (University Athen) - Advancing Interoperability Standardisation and Conformance with the use of Federated Registries
09:30 – 10:00	Hyunbo CHO (Korbit) - KorBIT's Role in GTN
10:00 – 10:30	Jacques DURAND (Fujitsu) - Standardizing the Testing and Monitoring of B2B.
10:30 – 11:00	Tim FOWLER (AIAG) - Material Off-Shore Sourcing (MOSS) Project.
11:00 – 11:20	Coffee Break
11:20 - 11:50	Nenad IVEZIC (NIST) - NIST B2B Content Checking Test Bed within a Global Testing Network.
11:50 - 12:20	Christine LEGNER (European Business School) - Toward higher levels of business interoperability – The user perspective.
12:20 - 12:50	Anthony WILES (ETSI) - Achieving Interoperability - the ETSI Approach.
12:50 – 14:15	I u n c h
Meeting: Discussions on the next B2B Plugtests event (2009)	
Chair	Philippe COUSIN, ETSI Jacques DURAND, FUJITSU Nenad IVEZIC, NIST
14:15 – 15:30	Open discussion on the organization of the next B2B Plugtests event. Following the different presentations during the workshop, proposal for improved B2B test methods and Interoperability test program to apply during the next B2B Plugtests event in 2009.



Presentation: Titles – Abstracts - CVs

1	Business Interoperability Interfaces on public procurement in Europe – Peter BORRESEN (datalent)	5
2	Advancing Interoperability Standardisation and Conformance with the use of Federated Registries – Yannis CHARALABIDIS Technical University of Athen)	5
3	KorBIT's Role in GTN – Hyunbo CHO (KorBIT)	5
4	The eProcurement Forum – Eva COSCIA (eProcurement)	6
5	eBIZ-TCF: harmonising eBusiness for SMEs in the textile, clothing and footwear sectors – Piero De Sabbata (ENEA)	7
6	CEN and the eBusiness standardisation fostering interoperability – Alain DECHAMPS (CEN)	8
7	How Testing errors inhibit eBusiness and eGovernment – Rik DRUMMOND (Drummond Group)	8
8	Profiling of standards: a necessary step for Interoperability – Jacques DURAND (Fujitsu)	9
9	Standardizing the Testing and Monitoring of B2B – Jacques DURAND (Fujitsu)	10
10	Material Off-Shore Sourcing (MOSS) Project – Tim FOWLER (AIAG)	11
11	XML message standard for shortsea shipping – Arild HARALDSEN (NorStella)	11
12	NIST B2B Content Checking Test Bed within a Global Testing Network – Nenad IVEZIC (NIST)	12
13	Toward higher levels of business interoperability – The user perspective – Christine LEGNER (EBS)	13
14	Profiling, developing and applying standards profiles to the benefit of interoperability in B2B – Roland MERRICK (IBM)	14
15	EFETnet - applying ebMS 2.0 for European commodity traders – Michael MERZ (Ponton Consulting)	15
16	Dematerialisation of Trade processes – Peter POTGIESER (ABN AMRO)	15
17	TICIO project: Inter Operable Information and Communication Technology for eSupply chain - Samy SCEMAMA (Boost Management)	16
18	Boostaero: conformance testing and certification process for eSupply chain standards of the aerospace industry - Samy SCEMAMA (Boost Management)	17
19	OASIS ebXML Standards for e-Government Integration - Pim van der EIJK (OASIS)	17
20	Achieving Interoperability - the ETSI Approach – Anthony WILES (ETSI)	19

1 Business Interoperability Interfaces on public procurement in Europe – Peter BORRESEN (datalent)

Abstract:

BII provides a basic framework for technical interoperability in pan-European electronic transactions, expressed as a set of technical specifications that cross-refer to relevant activities, and in particular are compatible with UN/CEFACT in order to ensure global interoperability. It is focusing on implementation facilitations and co-ordinating pilots implementing the technical specifications output.

Speaker:

Peter Borresen (Dataent)

2 Advancing Interoperability Standardisation and Conformance with the use of Federated Registries – Yannis CHARALABIDIS Technical University of Athen)

Abstract:

Interoperability Standardisation for administrations and businesses is currently based on organisational, semantic and technical rules that enterprises and governments must follow, to achieve interoperable service provision. However, the on-line provision of services is now demanding for advanced interoperability infrastructures, in the form of federated repositories of service definitions in BPMN, electronic document forms in XML and standardized codelists for commonly used information elements. Such infrastructures can be extended to include all standardization specifications and testing scenaria for systems, so as to practically support conformance testing and recommendations provision.

Speaker:

Dr. Yannis Charalabidis is heading the eBusiness and eGovernment research at the Decision Support Systems Lab, in the National Technical University of Athens (NTUA). He is the project manager of the Greek eGovernment Interoperability Framework, actively participating in the Interoperability Standardisation for the Greek Government and IT Enterprises. He is the editor of the Enterprise Interoperability Research Roadmap (EIRR) for DG-INFOS of the European Commission, member of the EC Enterprise Interoperability Cluster and other interoperability-related networks and initiatives (Interop-VLAB, NESSI-iGOV, DEMO-Net).

3 KorBIT's Role in GTN – Hyunbo CHO (KorBIT)

Abstract:

KoBIT was established in 2003 to provide testing services of interoperability among applications in a business-to-business (B2B) setting. It contains several testing software including ebMS 2.0's conformance and interoperability testing, schema quality testing of business document based on CCTS and NDR. The testing software originally was developed

according to OASIS IIC test framework. The ebMS testing software has been successfully applied to test ebMS solutions of eAC members, the first plugtests at ETSI, and other vendors in an on-line mode. However, it was not easy to extend the testing software to the test of other standard layers such as business process and business document. The Event-driven Test Scripting Language (eTSL) was employed to upgrade the KorBIT testbed, which becomes now flexible to accommodate messaging infrastructure standards, message choreographies, and business document standards. The KorBIT testbed will be a partner for GTN in the context of developing automated testing software.

Speaker:

Hyunbo Cho

Professor of Technology Innovation & Management Graduate Program

Professor of Industrial & Management Engineering

Pohang University of Science & Technology

4 The eProcurement Forum – Eva COSCIA (eProcurement)

Abstract:

Public eProcurement is a key area for development in the European Union but its effective take-up is strongly limited by the inter-operability obstacles that are encountered both at National and, even more, at Pan-European level. Currently there are many different standardisation and piloting projects running both at national/regional and at international level, whose objective are very similar. This plethora of European initiatives can brought to a number of benefits but also to a lot of risks. Therefore the Commission has launched the eProcurement Forum community (<http://www.epractice.eu/community/eprocurement>), an initiative whose strategic objective is to make the eProcurement experts in Europe aware of each others' activities and results and to promote solutions making the eProcurement systems interoperable.

The community is an open space to express opinions and exchange knowledge and where members are encouraged to provide contributions and participate in the discussions and event. Therefore it is not an official Commission site, but a free virtual place where members (currently 305, coming from more then 40 countries) are encouraged to “meet, share and learn”. The community is open to practitioners from European administrations, public and private organisations, standardisation bodies, academia and research centers. It is both a knowledge database, where projects, guidelines, specifications, reports are stored and easily accessible (much more easily and successfully then by using a search engine to locate them in the Web) and an exchange platform, where experts are encouraged to meet and debate.

Speaker:

Eva Alessandra Coscia is one of the facilitators of the eProcurement Forum community. She is cooperating from the very begin of this initiative, in Summer 2007, with the European Commission (DG-INFOS and IDABC programme), to set up, launch and maintaining this initiative. She is in charge of the daily activities for supporting the members and keeping the community alive; she is responsible for the dissemination activities of the Forum, for the definition of its development strategy and for the coordination with and among other eProcurement running initiatives in Europe.

She has a PhD in Computer Science, gained in 2000 from the University of Genova. After a short academic experience as teaching assistant during the PhD years, she joined TXT e-solutions, an international IT company based in Milan (Italy) where, since 2000, she has been working as Project Manager in the International Research Unit.

She gained a relevant experience in the management of international research projects under different Framework Programmes and on different ICT topics. Her main expertises are in the eGovernment and eProcurement fields: she has been the project coordinator of two research projects aimed at the development of Public eProcurement solutions; since 2007 she has been the Project manager of consultancy contracts granted by the Commission to TXT e-solutions for supporting its activities in the High Impact Services and eProcurement fields.

5 eBIZ-TCF: harmonising eBusiness for SMEs in the textile, clothing and footwear sectors – Piero De Sabbata (ENEA)

Abstract:

"eBIZ (eBusiness for Textile Clothing and Footwear) is an European large scale initiative to foster the adoption of eBusiness (and related technologies and standards) in the Textile Clothing and Footwear sectors that are characterised by a large presence of SMEs.

The project is funded by DG Enterprise and addressed to "Harmonising eBusiness processes and data exchanges for SMEs in the textile/clothing and footwear sectors in the Single Market".

The core of the initiative are a) an eBusiness architecture, based on existing standards as far as it is possible, b) a large set of pilots and c) the creation of a wide consensus between the stakeholders.

The architecture is based on the adoption of sectorial languages (TexWeave/Moda-ML and EFNET/Shoenet) for the networks of manufacturers and on a profile of use of UBL (Universal Business Language) for the relationships with the retail organisations and on common communication architecture (with references to ebXML specifications)."

Speaker:

"Since 1986 Piero De Sabbata has been working in the Innovation Department of ENEA (the Italian national agency for environment, energy and new technologies); he has participated research and technology transfer projects dealing with interoperability and data exchange in 'traditional'

sectors like Tiles and Textile-Clothing and is the scientific coordinator of the X-Lab structure of ENEA UDA-PMI and FTI.

Since 2004 he participates to the European integrated project LeapFrog IP, integrated project addressed to Textile/Clothing industry (FP6-priority NMP), both led by Euratex, with a specific task in the responsibility in defining a collaborative framework supporting innovative organisation of the T/C industry.

He had been the project manager of projects like ISHTAR (support for made-to-measure apparel production and sales, spring.bologna.enea.it/Ishtar) and Moda-ML (project aiming to create and experience XML documents for the textile - clothing sector in the framework of an ebXML architecture; www.moda-ml.org).

Recently chaired the standardisation CEN/ISSS workshops Tex-Spin ("Textile Supply Chain Integrated Network") and TexWeave ("Standardisation and Interoperability in the Textile Supply Chain Integrated Networks", www.texweave.org), promoted by Euratex (European Apparel and Textile Industry Association) in the framework of CEN/ISSS (European Committee for Standardisation/Information Society Standardisation System); the initiatives aim to provide the Textile/Clothing sector with an open pre-normative platform for electronic data interchange based on XML documents.

He participated also the CEN/ISSS eBusiness Standards Focus Group and the CEN/ISSS eBusiness Interoperability Forum.

Since February 2007 is member of the Special Interest Group "Enterprise Interoperability" of the IFIP Technical Committee 5 "IT Applications".

6 CEN and the eBusiness standardisation fostering interoperability – Alain DECHAMPS (CEN)

Abstract:

Overall ebusiness standardisation in CEN and overview of the different e-business projects
The e-business Board for European Standardization and its role in the global e-business standardization

Discovery of and Access to eGovernment Resource for improvement of the accessibility to eGovernment information

Speaker:

Alain Dechamps is Project Manager at CEN (European Standardization Committee).

Since 1990, he is participating in the electronic data exchange and eBusiness standardization.

He is currently responsible for eProcurement, eInvoicing and eGovernment activities within the CEN New Opportunities and Pre-Standards division.

He also manages the CEN/ISSS Workshop eBES (e-business board for European standardization) and the European entry point in the UN/CEFACT international process. From the outset, he has been involved in development of the ebXML initiative. He currently participates in the UN/CEFACT Forum where he is chairing the TBG16 group.

Prior to its activities in CEN he was involved in the UN/EDIFACT standardization.

7 How Testing errors inhibit eBusiness and eGovernment – Rik DRUMMOND (Drummond Group)

Abstract:

Interoperability is very unique in the software testing regime. Errors are not expected at all among interoperable products and if they do occur in production it greatly inhibits eBusiness and eGovernment implementations in the field. The presentation will show through data from four actual tests of over 50 products of how very small error rates of just 1/10% to 1% can create a set of products in production that are 90% NON-interoperable. This indicates how delicate and thorough our testing techniques must be to ensure quality interoperable products are released for the buyers of software products.

Speaker:

As the chief executive officer and chief scientist for Drummond Group Inc. (DGI), Rik Drummond has led the company's technical and research strategies while steering DGI to constant growth and innovation. He is a widely respected authority in the eBusiness industry and has been a driving force in the technical standards bodies and vertical industry groups supporting B2B commerce.

DGI, a global leader in B2B software testing and certification, works with software vendors, industry associations, supply chains and the standards community by conducting interoperability and conformance testing, publishing related strategic research and developing vertical industry strategies. Founded in 1999, DGI has tested thousands of international software products used in vertical industries such as automotive, consumer product goods, financial services, government, petroleum, pharmaceutical and retail.

Drummond previously served as chairperson of the Electric Industry's GridWise Architecture Council in the USA. www.gridwiseac.org, the chairperson for EDIINT Workgroup of IETF that products two new standards www.ietf.org , and what the Workgroup leader for ebXML Messaging v1.0.

8 Profiling of standards: a necessary step for Interoperability – Jacques DURAND (Fujitsu)

Abstract:

The presentation is a survey and analysis of the profiling activity for B2B standards and its growing role for interoperability. The reasons why open standards are seldom sufficient for guaranteeing the interoperability of products are analyzed (range of options, unspecified integration with other standards - e.g. bindings -, the standardization process itself, etc.). Different types of profiling and their roles are reviewed:

- Conformance profiles. They define different classes of implementations or products for a same standard, based on market requirements.
- Standard integration profiles. They reduce the various ways to combine B2B infrastructure standards, with primary focus on reducing interoperability risks at infrastructure level.
- Deployment profiles or "industry profiles" of standards. These user-defined profiles consist of deciding about usage and configuration of in-production systems: standards options, additional conventions for business use, level of security and reliability, customizations and extensions.

The profiling practice can also alleviate the multi-standards issue. Profiling cases are reviewed, along with an assessment of their benefit, lessons learned and best practices.

Speaker:

Jacques Durand, director of engineering and standards at Fujitsu Software, is participating in several XML and e-Business related initiatives, involved in related standard committees in OASIS, W3C and WS-I. He is also evaluating and advising on their use in the enterprise software products at Fujitsu.

He has been involved in Web Services and ebXML for several years, and has designed and advised on testing environments for these.

He has been actively involved in WS-I (Web Services Interoperability) organization. In the OASIS standard organization, he is on the Technical Advisory Board, and co-chairing two test-related working groups: the Test Assertions Guidelines TC and the Testing and

Monitoring of Internet Exchanges TC. He is a member of the ebXML Messaging TC, and chair of the ebXML interoperability, implementation and conformance committee. Prior to this, Jacques Durand was development manager in a Business Process Management (BPM) start-up company, and has also been research engineer for 6 years in a telecommunication company, Denver Colorado. He has more than 20 years of experience in various areas of software, ranging from R & D to commercial products.

9 Standardizing the Testing and Monitoring of B2B – Jacques DURAND (Fujitsu)

Abstract:

Electronic collaborations over Internet between business partners (eBusiness / e-Government) require more than testing for conformance or interoperability prior to system deployment. Indeed in-production B2B systems are unstable in nature due to their high integration level, continuous evolution, heterogeneous standards, and distributed ownership. Such systems will also need on-going monitoring both for interoperability maintenance and business reasons (SLA, QoS, BAM).

There are strong reasons in favour of standardizing this testing/monitoring itself: (a) test cases and test suites need to be expressed independently from any programming language, in a way that is understandable by non-programmers and yet precise enough to be automated and executed repeatedly at low cost, and (b) test script standardization leads to the development of compatible test environments, and in turn to portability of test suites across these testbeds. In addition, many realize that the only way to remove any ambiguity in B2B technical contracts (SLA, security, profiles to be used) and in the definition of multi-message business transactions, is to express these in a script that has precise and well-known execution semantics, including exception cases, etc.

TaMIE is the standardization group in OASIS driving this initiative, which generalizes a past similar initiative (TestFramework1.1) in OASIS IIC that has been successfully implemented but was restricted to ebXML. In contrast, TaMIE requirements include the ability to accommodate a variety of B2B standards and to test for their proper integration across the B2B stack (messaging, document, business process) - often specified in user-defined profiles or infrastructure profiles. Both the black-box testing of B2B endpoints (QA phase), and the monitoring of in-production systems, must be supported. An event-centric test model makes it possible for the same script to either do real-time monitoring or off-line analysis of business transaction logs. To this end the group is standardizing an XML mark-up script language for test/monitor cases that is event-driven while leveraging existing XML tools and processors (XPath, XSLT).

Speaker:

Jacques Durand, director of engineering and standards at Fujitsu Software, is participating in several XML and e-Business related initiatives, involved in related standard committees in OASIS, W3C and WS-I. He is also evaluating and advising on their use in the enterprise software products at Fujitsu.

He has been involved in Web Services and ebXML for several years, and has designed and advised on testing environments for these.



He has been actively involved in WS-I (Web Services Interoperability) organization. In the OASIS standard organization, he is on the Technical Advisory Board, and co-chairing two test-related working groups: the Test Assertions Guidelines TC and the Testing and Monitoring of Internet Exchanges TC. He is a member of the ebXML Messaging TC, and chair of the ebXML interoperability, implementation and conformance committee. Prior to this, Jacques Durand was development manager in a Business Process Management (BPM) start-up company, and has also been research engineer for 6 years in a telecommunication company, Denver Colorado. He has more than 20 years of experience in various areas of software, ranging from R & D to commercial products.

10 Material Off-Shore Sourcing (MOSS) Project – Tim FOWLER (AIAG)

Abstract:

A survey of 210 industry experts revealed recurring problems from the complex international movement of materials because of supporting documentation. Paper documents, e-mails and faxes are still used to track goods resulting in inaccurate or incomplete data. Data issues create long gaps in tracking material, causing production stoppages, premium freight, expedited shipments and shipping delays. Also, inventory errors and factory downtime result. The problem will only worsen with globalization and companies extending their supply chains. It is estimated that these difficulties cost the industry \$3 million annually, which could easily be avoided with better electronic communications. MOSS is developing recommended best practices to enhance the use of electronic communications across all trading partners, using standardized, reliable data based upon international standards to monitor shipment progress and improve transaction visibility. The envisioned use of global, standards-based, long-distance supply chains implies use of many diverse software products. Their effective use will hinge on running globally feasible and coordinated interoperability testing programs.

Speaker:

Tim Fowler is Director of Supply Chain and e-Commerce at the Automotive Industry Action Group (AIAG), a non-profit automotive trade association in North America. He oversees projects where automakers, suppliers, and service providers work collaboratively to drive cost and complexity from the supply chain via global standards development and harmonized business practices. Prior to joining AIAG, he worked for Ford Motor Company for 30 years. Most recently, he served as an enterprise architect, responsible for Ford's Web Service strategy and was Ford's voting member in the Web Service Interoperability Organization (WS-I).

11 XML message standard for shortsea shipping – Arild HARALDSEN (NorStella)

Abstract:

Shortsea XML is a EU-funded project by the Marco Polo Common Learning programme. Its goal is to develop and use UN/CEFACT-standards based on ebXML and Core Components for creating message standards designed to streamline the administration processes within a shortsea based logistics chain. The standardised messages comprise the core processes of scheduling, booking, operations and status. Implementing these new standards within a supply

chain will help to reduce costs, cut administration, streamline process and, ultimately, improve the competitiveness of shortsea transport. The project supports a network of shippers, carriers, ports, intermediaries and IT providers. Project deliverables include XML schemas, business requirements specifications and technical manuals. These will be available for download, free of charge, from the website www.shortseaXML.org when finalised in September this year.

Speaker:

Arild Haraldsen is general manager of NorStella, a private non-profit foundation for e-business and trade facilitation. Arild Haraldsen is Head of Delegation to UN/CEFACT Management Forum. His organisation is actively participating in UN/CEFACT and CEN/ISSS working groups. Haraldsen is head of NordiPro – a co-operation between the “pro”-organisations in the Nordic countries. Haraldsen has also written several textbooks on strategy and e-business strategy.

12 NIST B2B Content Checking Test Bed within a Global Testing Network – Nenad IVEZIC (NIST)

Abstract:

For many years, the National Institute of Standards and Technology (NIST) has been helping the industry to reliably exchange inventory information and solve critical integration problems in dynamic global supply chains.

A focus of the NIST Enterprise Systems Group has been to assure that documents used in the global supply chains are properly understood and used after being exchanged. For that purpose, NIST has been developing the Content Testing Tool Suite to track and diagnose the issues in information content exchanges.

However, development and deployment of these content testing tools needs to take place within a coherent framework that properly identifies and addresses complex B2B interoperability issues. For that reason, NIST has proposed an initial Global Testing Network (GTN) for B2B Interoperability and seeks to promote its advancement with other international collaborators. This global testing network adopts results of the OASIS Implementation, Interoperability, and Conformance (IIC) Technical Committee - the ebXML test framework - and the follow-on Testing and Monitoring Internet Exchanges (TaMIE) Technical Committee work to be a basis for GTN

The goal of GTN is to share the effort and results in developing compatible B2B testing tools and methodologies for (1) messaging infrastructure standards, (2) business process and choreographies standards, and (3) business documents standards.

We have been operating a 2-node testing network with colleagues at KorBIT (Korean B2B Interoperability Test Bed), South Korea for several years with the NIST Test Bed addressing the document content standards and KorBIT focusing on messaging infrastructure testing. Recently, a new effort has been proposed at the European Committee for Standardization (CEN) supported by EU, US, and Asia organizations including EIC, ETSI, NIST, KorBIT, AIAG, and IAI, to establish a plan and architecture for a Global Interoperability B2B Testing Network. This effort is planned to be open for participation to all international stakeholders and will recommend the architectural solution and a global cooperation model based on the expressed intent of key international organizations.

Speaker:

Nenad Ivezic received his MS and PhD degrees in Computer Aided Engineering from Carnegie Mellon University in 1992 and 1995, respectively. His graduate work focused on Artificial Intelligence applications to engineering problem solving.

From 1995-1999, he worked as a postdoctoral research associate and a research staff at the Oak Ridge National Laboratory on problems of enterprise data integration and exchange that utilized emerging XML and distributed information systems. Also, he was a principal investigator on manufacturing application of agent-based software systems for supply chain management funded by commercial and government organizations.

Since 1999, Dr. Ivezic works at the National Institute of Standards and Technology on problems of new generation technologies for systems integration, semantic technologies, standardization, and testing. Since 2001, he is the project manager for the NIST Business-to-Business (B2B) Interoperability Testbed. This project is the NIST's open, on-going initiative to enhance the capability for on-demand interoperability demonstration and testing for use by software vendors, users, standards organizations, and government. Also, he was the project testing manager for the multi-year Inventory Visibility and Interoperability project within the Automotive Industry Action Group. Recently, he was the project manager for a pilot that validated research results in semantic and web services within a real automotive supply chain environment. Currently, he leads a project to develop model-based testing methods for data exchanges in supply chain integration, and the Global Collaborative Testing Network project to develop a scalable architecture for the globally feasible testing network and development of testing tools supporting the needs of various industry verticals.

13 Toward higher levels of business interoperability – The user perspective – Christine LEGNER (EBS)

Abstract:

Focussing on the user perspective, Christine Legner will illustrate current issues in setting up standards-based electronic collaboration which make projects lengthy, expensive and complex. She will demonstrate how “public processes” and the “interoperability profiles”, two key results of the Enterprise Interoperability Center (EIC), are applied in practice. Finally, she will address the issues in testing these “profiles”. The presentation is based on project experiences from the automotive industry, where a number of OEMs and their suppliers have redesigned their engineering processes.

The presentation will outline three main difficulties that companies face in applying and using standards in future e-business scenarios. Firstly, the electronic integration of cross-organizational business processes requires that companies agree not only on one standard, but on a set of standards. Second, the globally distributed enterprise has the issue of national and vertical standards bodies - often these standards overlap or there are gaps in the standards. In addition, these standards “tell you what to do”, but not necessarily “how to do it”. In this regard, a “profile” of selected standards which defines the interpretation and implementation of the standard for a concrete scenario can significantly speed up the setup of electronic B2B relationships. In addition, companies face many challenges if they want to test compliance of an implemented e-business scenario with the pre-defined specifications. Testing is complex, and testing facilities which cover a broader set of standards are currently lacking.

Speaker:

Dr. Christine Legner has been recently appointed to the Chair of Enterprise Systems and Electronic Business at European Business School (Germany). Her research interests are electronic business networks, interoperability and service-oriented architectures.

From 2002 to 2007, she has been senior researcher and project manager of the Competence Center Business Networking at University of St. Gallen (Switzerland). In that role, she has been working with major players from the automotive and other industries on the future design of cross-organizational business processes and their implementation based on Web services and SOA (e.g. "SOA for Automotive"). Christine Legner has also been involved in the EU-funded ATHENA project focussing on business interoperability. She represents University of St. Gallen in the Enterprise Interoperability Center and has been active in preparing the proposal for a "Global e-Business Interoperability Test Bed" in a joint initiative with NIST, ETSI, KorBIT, AIAG, IAI. She is co-organizer of the Value Chain Forum, a practitioner conference focussing on electronic collaboration.

14 Profiling, developing and applying standards profiles to the benefit of interoperability in B2B – Roland MERRICK (IBM)

Abstract:

Interoperability Profiles for Business Processes -- a Standard for a Standard

The Enterprise Interoperability Centre took on the challenge of defining an approach, and format, for the definition of a "profile" of Standards to span both the application and middleware required to satisfy a Business Process. Industry standards bodies are gradually coming to realise that to achieve interoperability it is necessary to standardise more than just a data model or message set. We will take a look at the top down approach to profiling starting with a Business Use case and follow it down through the the application and middleware standards. The benefits of a "standardised" approach to interoperability profiles is required to simplify deployment of such profiles and will be described.

Speaker:

Roland Merrick - Program Director, SWG Web Services Standards Strategy
IBM United Kingdom Ltd.

Roland Merrick is a leader in IBM's Emerging Software Standards team focused on emerging standards identification and subsequent standards development. In addition to addressing Web Services standards, his work focuses on solving the challenges of interoperability through the combination and simplification of application and middleware standards in various industries. Currently, he represents IBM in the Enterprise Interoperability Centre where collaboration between software vendors and users of that software is taking place to define Interoperability Profiles to address various B2B use cases. Roland also represents IBM as the Chair of W3C XHTML2 Working Group and Chair of the W3C SOAP-JMS Binding Working Group. Previously he participated in the W3C Working Group defining XForms, a replacement for HTML Forms, and the Device Independence Working Group. His previous work focused on the use of emerging technology to enable simpler, more productive and less error prone user experiences as part of the IBM's Ease of Use strategy team.

15 EFETnet - applying ebMS 2.0 for European commodity traders – Michael MERZ (Ponton Consulting)

Abstract:

EFETnet is a commercial B2B integration project for European commodity traders, mainly for Energy, Gas and CO2 certificates. More than 40 traders and brokers have implemented ebMS2.0 as a reliable and secure protocol for the exchange of more than 200.000 electronic trade confirmations per month.

like other projects such as papiNet, EFETnet originates from the consistent initial decision for a sector-wide standardisation of communication wherever possible: At the protocol layer, at the business process layer, at the document format layer and even reaching as far as unified commercial and legal conditions. This unification of documents and functions increases the level of interoperability to such an extent that per-participant cost could be drastically reduced. Thus, implementation effort could be minimised for newcomers.

The presentation will focus on both general principals of minimising interop cost and specific lessons learned from the EFETnet project.

Speaker:

Michael Merz is Managing Director of Ponton Consulting in Hamburg, Germany. His professional focus is on sector-wide B2B integration. Michael Merz studied computer science and business science and received his PhD at the Computer Science Faculty of Hamburg University in 1996. Afterwards, he lead and participated in several international research projects (FP4 to FP5) and organised "TREC'98" in 1998 with more than 250 participants (the first international e-commerce conference in Europe). In July 1999 he established Ponton Consulting, a company with a special focus on international e-business consulting.

Ponton Consulting is a service provider for B2B integration since the year 1999. We have connected more than 200 companies - mostly via ebXML MS2 and AS1/2.

16 Dematerialisation of Trade processes – Peter POTGIESER (ABN AMRO)

Abstract:

Dematerialization of Business Processes - the way towards the Single European Electronic Market

The eBusiness Interoperability Forum and its role in e-Business developments

The Expert Group on Electronic Invoicing of the European Commission

The e-Invoice related activities in CEN

Aspects of interoperability between 'corporate' and 'banking' sector, including the aimed convergence of standards; Topics here are the Single Euro Payment Area, ISO 20022 standardisation as well as ISO 15000.

Speaker:

Peter Potgieser has been working for ABN AMRO – Market Infrastructures since May 2007. One of his major areas of attention involves how standardisation contributes to the Banks portfolio of products and services for its customers.

As Senior Consultant Industry Standards, he participates in various national and international bodies that deal with formulating and applying standards. He is chairman of the 'Netherlands

Board on E-business Standardisation' (NeBES) and the 'Web Services Association' (WSA). He is also chairman of the international CEN/ISSS 'eBusiness Interoperability Forum', which operates from Brussels. In addition to this, he is a member of the Dutch national delegation to UN/CEFACT plenaries, member of the UN/CEFACT 'e-Business, Government and Trade' Group, member of the 'Expert Group on Electronic Invoicing' appointed by the European Commission, member of the CEN delegation in the European ICT-Standards Board and he represents the Netherlands in ISO-TC68 'Banking and Financial Services'.

Peter Potgieser studied digital techniques at the Institute of Technology (Technische Hogeschool) in Eindhoven. He began his career at PHILIPS Telecommunication Industry (PTI), where he helped formulate and ultimately implement policy for the communication infrastructures for PTI.

In 1990, he moved to KPN Telecom. After working on a number of large infrastructure projects, in 1995 he moved to KPN Mobile. There he worked on applying Internet technology to products, services and supporting systems.

In 2000 he joined Interpay Nederland B.V. (now Equens Nederland), where he was appointed consultant to the Board of Directors in 2003, with a focus on standardisation and the interaction with business development processes.

He also made a significant contribution to a.o. the publications 'eXML for Managers' and 'eAuthentication for Managers'

17 TICIO project: Inter Operable Information and Communication Technology for eSupply chain - Samy SCEMAMA (Boost Management)

Abstract:

SMEs in electronic, numeric and mechanical engineering fields have customers in different market segments (automobile, aviation, defense, railways, IT, industrial equipment, the general public...) and need to integrate their own supply chain.

The aim of the TICIO project is to standardize exchanges between Cross Industry SMEs and create bridges between the standard defined and the standards used by their clients in order to help them to become more competitive.

Samy Scemama will present TICIO project which stands for Inter Operable Information and Communication Technology (IOICT).

Speaker:

Samy Scemama is 42 years old and had a degree in "Electronic and Computer Engineering" and an MBA from Warwick Business School.

At the moment, Samy Scemama is working as a Supply Chain and Purchasing expert and this capacity he is also :

- Associate Partner at Boost Consulting Company
- Purchasing / Supply Chain Trainer at Grenoble Master Management School
- Manager of the Purchasing / Supply Chain Working Group
- In charge of the Technical management of TICIO Project

- In charge of the BoostAero e-supply chain standard for the AEROSPACE and DEFENCE Industry and he is working very closely with the supply chain expert group of the AEROSPACE and DEFENCE Industry
- Have had 15 years experience in consultancy in Purchasing and Supply Chain and have often acting as a consultant for Dassault, MBDA, Radiall companies
- He is also Project Leader CPFR (Scheduling) of TBG 1 of the UN/CEFACT

18 Boostaero: conformance testing and certification process for eSupply chain standards of the aerospace industry - Samy SCEMAMA (Boost Management)

Abstract:

Boost Aero standards are the global e-Supply Chain standards applicable in the 'Aerospace & Defence' industry. They cover exchanges between clients and suppliers in the field of procurement and logistics (procurement plan, delivery programme, orders, advice of dispatch, acceptance, invoices) at Business Process, Semantics, Syntax and technical Architecture level.

The BoostAero universal connector is a tool that facilitates Professional Electronic Exchanges (PEE) also known Machine to Machine or A2A between manufacturers, in accordance with BoostAero standards.

The purpose of certification is to provide a guarantee of BoostAero conformity, and thus of the re-usability, development and durability of connectors.

Samy Scemama will present the methodology, the process and the main results of the BoostAero Conformance Testing and Certification process.

Speaker:

Samy Scemama is 42 years old and had a degree in "Electronic and Computer Engineering" and an MBA from Warwick Business School.

At the moment, Samy Scemama is working as a Supply Chain and Purchasing expert and this capacity he is also :

- Associate Partner at Boost Consulting Company
- Purchasing / Supply Chain Trainer at Grenoble Master Management School
- Manager of the Purchasing / Supply Chain Working Group
- In charge of the Technical management of TICIO Project
- In charge of the BoostAero e-supply chain standard for the AEROSPACE and DEFENCE Industry and he is working very closely with the supply chain expert group of the AEROSPACE and DEFENCE Industry
- Have had 15 years experience in consultancy in Purchasing and Supply Chain and have often acting as a consultant for Dassault, MBDA, Radiall companies
- He is also Project Leader CPFR (Scheduling) of TBG 1 of the UN/CEFACT

19 OASIS ebXML Standards for e-Government Integration - Pim van der EIJK (OASIS)

Abstract:

The Netherlands criminal justice system is a leading deployment of the OASIS ebXML standards in an e-government context. It was initiated in 2001, in response to an incident in which 58 Chinese immigrants fell victim to traffic in illegal immigrants by organized crime networks. The investigation of this case revealed a major need to increase consistency and efficiency in the processing of criminal cases. Electronic transfer of information among the many organizations in the system was seen to be a major contributor towards these goals. To stimulate this work, a programme office was set up in 2003, which today, in 2008, is transitioning into a new permanent organization.

In the presentation, an overview will be given of the background of the initiative, its initial focus on transfer of records from Police to Prosecution and the types and volumes of interactions involved in this. The overall landscape of organizations in this system (involving dozens of typically independent organizations and two ministries), and the standards that are being used, including ebXML messaging, collaboration protocol agreements, business process, and UBL NDR. The requirements that lead to the selection of ebXML Messaging, version 2.0, will be discussed and the way this standard is profiled and the role of the deployment templates of the OASIS ebXML Implementation, Interoperability and Conformance (IIC) technical committee in specifying this profile.

Aspects of this ebMS 2.0 deployment that will be of interest to other B2B/G2G communities are:

the use of ebMS 2.0 without reliable messaging ("best effort") for query/response interactions that other projects using simple SOAP services for. This allows this community to use a single infrastructure, standard, configuration mechanism (CPA) and rich business headers also for non-reliable messaging. The experience is that high performance message handlers support response intervals that are compatible with interactive use.

the use of communication via intermediaries ("multihop messaging"). The community was quite clear that they wanted centralized routing and monitoring functions rather than peer-to-peer messaging. Intermediaries also act as bridges across (large) private networks.

Methodologies for managing environments where test and production systems and message flows exist and need to be managed in parallel.

Evolution of requirements for intermediaries, from basic routing (based on Party Id) towards monitoring, flow management, and trend analysis.

As of today, two dozens organizations have deployed ebMS 2.0 endpoints and are communicating via interconnected intermediaries. After a slow start, the overall message volumes are currently at a hundred thousand messages per day, all multihop messaging, with message sizes ranging from small XML messages to large database synchronization involving 150 MB payloads. This covers the criminal justice system, but also other parts of justice and the immigration system and, most recently, the child protection system. Some of the requirements and experience from this community are actively being discussed for inclusion in an upcoming profile of the 3.0 versions of ebXML ebMS and CPA standards. At the national level, a similar initiative exists which also adopts ebMS 2.0, but differs in other respects.

An earlier version of this presentation was delivered at the 2007 OASIS Symposium in San Diego.

<http://www.oasis-open.org/events/symposium/2007/slides/PimvanderEijk.pdf>

Speaker:

Pim van der Eijk is an independent consultant and architect of large scale messaging systems. His experience includes the projects presented in this case study, as well as project in healthcare in the UK and the Netherlands. Pim also supports OASIS, as a staff member as senior adviser on standards, and as a participant in several OASIS committees.

20 Achieving Interoperability - the ETSI Approach – Anthony WILES (ETSI)

Abstract:

This ETSI White Paper on which this presentation is based presents an overview of the approach of ETSI (The European Telecommunications Standards Institute) to ensure interoperable standards. It provides a short description of the meaning of Technical Interoperability followed by an analysis of the implications that this has on standardization. Of special interest is the growing impact that multi-organizational standardization has on interoperability.

The goal of ETSI is to ensure that instances of non-interoperability are not caused by poor or insufficient standardization. This White Paper describes the various processes and engineering principles applied by the ETSI membership in the development of Information and Communication Technologies (ICT). Attention is given to the importance of sound project management, good specification techniques, validation and testing. A short introduction to various types of testing is given, culminating in an insight into how combinations of these methods may be applied to address interoperability issues in complex ICT systems.

ETSI initiatives on interoperability such as the appointment of an Interoperability Champion, and the work of its Technical Committees (TC) such as TC MTS are also presented. The White Paper describes the significant effort the ETSI membership puts into testing and validation activities supported by the Centre for Testing and Interoperability and ETSI Plugtests™ events.

Speaker:

Anthony Wiles is the Director of the Centre for Testing and Interoperability at ETSI (CTI). He has many years experience in both data- and tele-communications with particular expertise in the specification of communication protocols and the development and application of advanced testing techniques. Prior to joining ETSI Anthony was with Telia Research and Ericsson (EllemTel), heading Telia's Requirements Engineering Laboratory in Stockholm.

Anthony was deeply involved in the development of the widely used testing methodology, ISO/IEC 9646. He was leader of the ETSI Specialist Task Force that developed the increasingly popular test language TTCN-3. He is author/co-author of over 10 refereed journals and conference papers and has organized and chaired several international conferences, the most recent being TESTCOM 2003 and the International TTCN-3 User Conferences of 2004 and 2005.

When not running the CTI Anthony's current technical activities include the development and application of new testing methodologies oriented to complex systems such as the IP Multimedia Subsystem (IMS), including the use of TTCN-3 for test control and automated interoperability testing.