

**CEN/ISSS Workshop on
Cyber-Identity: Unique identification
systems for organisations and parts
thereof (CEN/ISSS WS/CyberID)**

Adopted Business Plan (v. 1.2)

Date: 18 April 2008

Source: CEN and proposers

Status: adopted

Chapter 1 Title of Workshop

Workshop on Cyber Identity: unique identification systems for organizations and parts thereof (CEN/ISSS WS/CyberID)

Chapter 2 Status of this Business Plan

Adopted at the Workshop kick-off meeting held on 11 April 2008.

Chapter 3 Background

Nowadays private and public organisations are increasingly more relying on electronic means of communications for carrying out their daily transactions for eBusiness and also for eGovernment.

In electronic communications, to gain the trust and confidence of transacting parties, a required element consists of certainty regarding the organisations involved. Knowing exactly which the acting organisation actually is, has become a matter of paramount importance for all transacting parties. This issue is known as “Cyber-Identity”. The matter is often reduced to secure authentication, but goes far beyond this limited subject. Business information stored in trustworthy registries (e.g. in official business registers) accessible online are another part of the picture which is often neglected.

Furthermore, regulations to fight against cyber criminality will enforce traceability of financial transactions (eg. The Sarbane Oxley Act in the USA). Unique identification of business entities and its verification are a prerequisite for interoperability in open user groups. E.g. one area that needs standardisation in this regard is authentication systems like PKI.

Several business registries currently in place address the issue of business Cyber-Identity albeit in a non-uniform manner. A significant amount of resources remains untapped, due to incompatible and non-interoperable business registries that mainly operate in isolation within non interoperable application domains.

In the EC Communication i2010¹ the European Commission indicates interoperability and security as main challenges for creating a single information space and identity management as one area for action.

¹ http://ec.europa.eu/information_society/eeurope/i2010/index_en.htm

Chapter 4 Workshop Proposers and targeted participants

The Workshop is proposed by the CEN/ISSS eBusiness Interoperability Forum (eBIF)². eBIF members Kompass (part of Coface group), VCON and Dr. Otto Mueller Consulting have strongly supported the idea of creating a CEN Workshop on this issue and helped in drafting this document.

Representatives from the following organisations/companies will be invited to participate:

- Holders of an ICD (International Code Designator) value and organizations providing official Commercial Registers;
- Public Administrations (Units dealing with eGovernment);
- Trust Service Providers;
- eBusiness service/platform providers;
- European Commission's relevant units in DG Enterprise and Industry, Information Society and Internal Market ;
- System integrators.

The Workshop is open to any interested party with a duly justified request to participate in the activity.

Chapter 5 Workshop scope and objectives

The Workshop scope is to analyse existing unique identification systems for organisations and parts thereof and make recommendations on how to achieve interoperability among them by using meta-identification systems. The Workshop aims at bringing together disparate schemes for business directory services and to create a reconciled and workable framework that can be used in multiple application environments. This Workshop focuses on the unique identification systems used in Europe taking into account relevant international standardisation developments.

The deliverable of the Workshop will be a CEN Workshop Agreement on Cyber-Identity, covering "Organisational and operational rules and processes to enable interoperability across multiple organisation identification schemes".

In order to complete this CWA the Workshop will focus on the following topics:

- **Organisation identification schemes** which allow to identify the organisation;
Including schemes which allow to identify the organisation and organisational parts (i.e. employees, or products and services provided by the identified organisation), thus any relevant entity can be identified uniquely.
- **Verification of the identified organisation** contained in such a scheme and registered *in a directory service*.

² www.cen.eu/iss/eBIF

Special consideration will be given to the inclusion of official commercial registers and ensuring secure access to such registers.

- ***Bringing together various schemes*** without obligating the scheme issuers to change their schemes.

The proposal will follow a federated approach, avoiding hierarchical structures.

For the purpose of this Workshop, the term “Cyber-Identity” is restricted to world-wide unique identification of business entities and parts thereof by applying unique identifiers and “verification” solely to verifying the identified organisations by using a publicly available directory/register for organisations/companies. Excluded from the scope of present CEN Workshop is identification of citizens and consumers, although it will be taken into consideration that some issues are common to identification of citizens and consumers and an interface might be needed in future.

There are already a few international standards covering part of issues related to identification systems for organisations. The Workshop will take these international standards as reference for its work.

Chapter 6 Work Programme

The Workshop will result in a CEN Workshop Agreement on Cyber-Identity, containing “organisational and operational rules and processes to enable interoperability across multiple organisation identification schemes”. The CWA will be published in English.

The Workshop will reach agreement on the CWA by making use of input gathered by a Project Team, and addressing the following content:

CWA – Part 1: Collection of requirements

ISO standard 6523 *“Structure for the identification of organizations and organization parts”* covers most existing organisation identification schemes. However, *Unique Identification of business entities* is one side of the problem. The reverse side is *Verification of the related organisation*.

A questionnaire reflecting the objectives will be produced and distributed to parties involved in setting up and managing Cyber-Identity schemes. The CWA will summarize the requirements worked out on the basis of the feedback on this questionnaire.

CWA – Part 2: Inventory of applications and associated requirements

This part will contain:

- An inventory of application areas and requirements thereof where business Cyber-Identity is needed for eBusiness and eGovernment. *e.g. E101 form for social security, eInvoicing, eProcurement, enhancing probative force of electronic documents with respect to Basel II, SOX and in other records management.*
- Mapping and taxonomy among the prevailing Cyber-Identity schemes, their main features and prevailing applications. *e.g. by using the Key characteristics in the table of the questionnaire.*
- An inventory of Cyber-Identity standards for meta-identification of organisation schemes (formal or ad hoc) and practices. *E.g. ISO 6523, ISO 15459 (Unique Identifiers), Object Identifiers according to ISO 9834-1, URN (Uniform Resource Name)*
- Requirements for the verification of a Cyber-Identity. *e.g. online availability of directory/register information with address parameters (some minimal information must be available free of charge) e.g. criteria for identifying official commercial registers and the requirements for secure access.*

CWA – Part 3: Use cases and specific issues

This part will contain:

- Technologies in use *e.g. Web [Uniform Resource Identifier -RFC], EDI according to UN/Edifact, PKI, XML etc.*
- Use cases for Cyber-Identity *e.g. using verifiable identifiers as a trust-label, identifiers in X.509 certificates, identifiers in ebXML core components, identifiers in Radio Frequency Identifiers RFID, Trusted Third Party redirection service (CWA 14911).*
- Legal and procedural requirements (i.e. regional, national or European) related with Cyber-Identity *e.g. probative force of register entries (VAT no., Commercial Register no. and others), legal relationships between directory providers, their data (entry) suppliers and the verifiers.*
- Reporting on liaisons with other relevant workshops and initiatives and referencing results of other relevant workshops and initiatives (see Chapter 9).
- Deployment plan and risk assessment *e.g. Reference to planned operational services for unique identification and verification.*
- Any other specific issues.

The Workshop will also discuss the possibility of forming a Cyber-Identity Association on a long-term basis for maintaining the objectives of the CWA.

Chapter 7 Workshop Organization and timescale

The Workshop is proposed for a duration of 18 months, starting from April 2008. The Workshop kick-off meeting took place in Paris on 11 April 2008.

The Workshop will have 4 meetings (kick-off plus three plenary meetings).

The following timetable is proposed:

Activity	Milestone	Month	Who
Approval of Workshop Business Plan, appointment of officers	Workshop kick-Off meeting	11 April 2008 in Paris	CEN, AFNOR
Selection PT		April 2008	Selection Panel
Survey on Cyber Identity schemes		May-June 08	Project Team
First draft CWA Part 1 collection of requirements		September 2008	Project Team
Ws comment on first draft CWA Part 1	First WS plenary meeting	October 2008	WS members
Second draft CWA Part1	Interim Report to European Commission	November 2008	Project Team
Draft CWA Part2 – inventory of applications and associated requirement (first version)		January 2009	Project Team
Ws comment on draft CWA Part 2	Second WS Plenary meeting	February 2009	WS members
Draft CWA Part 2 (second version)		Mid March 2009	Project Team
Draft CWA Part 3 – use cases (first version)		Mid April 2009	Project Team
WS comment on draft CWA Part 3	Third WS plenary meeting	End April 2009	WS members
Draft CWA Parts 1-2-3 combined for public comment		End May 2009	Project Team
Public comment period		June-July 2009	All
Final draft CWA		August 2009	Project Team
Endorsement final draft CWA	electronically	September 2009	WS members

Dissemination activities will take place especially in the last part of the Workshop, through:

- presentation to related Conferences/events

- press releases
- articles on newsletters, etc.

Chapter 8 Workshop organisation

The Workshop Chair will work on voluntary basis (estimated effort: 30 man/days). The Chair main responsibilities will be:

- to chair Workshop plenary meetings;
- to ensure that the Workshop delivers in line with its Business Plan;
- to manage the consensus building process;
- to interface with the Secretariat and CEN/CMC regarding strategic directions, problems arising, external relationships, etc.

Dr. Andreas Mitrakas, ENISA, was elected Workshop Chair at the Workshop kick-off meeting.

The Secretariat will have the following main tasks:

- Workshop meeting support;
- Workshop document management and distribution to membership list;
- electronic document repository management.

AFNOR, the French Standards Body, has already indicated its interest in supporting the Workshop Secretariat.

The working language is English. The CWA will be published in English only.

The Workshop rules of operation are available at the URL:

<http://www.cen.eu/cenorm/businessdomains/technicalcommitteesworkshops/workshops/workshops.asp>

9. Resources

The Workshop will be supported by one Project Team, composed by three experts, for a total of 100 paid man/days. Funding is available from the European Commission and EFTA, provided that there is sufficient participation in the Workshop.

The Project Team will be appointed following the CEN rules for the appointment of a Project Team. A call for experts was published in February 2008.

Participation is open to any interested company/organization/person. Each participant will bear his/her own expenses for attending Workshop meetings.

Chapter 10 Liaisons

The Workshop will actively pursue liaison with:

- CEN/ISSS eBusiness Interoperability Forum (eBIF);
- CEN/ISSS e-Business Board for European Standardization (eBES)
- CEN/ISSS Network Information Security Standardisation Steering Group (NISSG);
 - CEN/ISSS Workshop on Discovery of and Access to eGovernment Resources (WS/eGov Share)
- CEN/ISSS Workshop on eInvoicing 2;
- CEN TC 224 - in particular its working groups on egov (ECC cards and eSign AREAK related to the EC article 6/Brussels Interoperability Group) and esign (Protection profiles like the PP authentication supported by national administrations);
- ISO/IEC JTC-1 (Information Technology) SC 32 (Data management and interchange);
- ISO/TC 46 (Information and documentation) SC 9 (identifier and identification) and 11 (Archives/records management);
- ETSI ESI (Electronic Signatures and Infrastructures);
- ITU-T SG 17/Q.6 and FDIS security of network systems
- Joint workshop ITU-T and ISO/IEC JTC1/SC27 security techniques wg 4 on “cyber security and standards”
- ISO/IEC JTC1/SC27 working groups 4 and 5
- Joint coordination Activity of Network Aspects of Identification Systems
- ITU-T SG 14
- ITU-T SG 16
- ITU-T SG 17 Security and object identifier
- IEC TC 3

Contact will be taken with any relevant research projects (i.e. BRITE) in the area of identity management at international, European, national or regional level.

Chapter 11 Contact points

- **Workshop Chair**

Dr. Andreas Mitrakas

ENISA

P.O. Box 1309

GR-71001 Heraklion

Tel. +30 2810 391350

Email: andreas.mitrakas@enisa.europa.eu

- **Workshop Secretary**

M. Olivier Teitgen

AFNOR Normalisation

11, rue Francis de Pressenssé

F-93571 Saint-Denis La Plaine Cedex

Tel: +33 (0)1 41 62 8564

Email: olivier.teitgen@afnor.org

- **CEN Programme Manager**

Ms. Barbara Gatti

CEN

Rue de Stassart, 36

B-1050 Brussels

tel: + 32 2 550 0834

e-mail: barbara.gatti@cen.eu