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Draft

2010-2013 ICT standardisation work programme

29/1/2010

Introduction to the 2010 ICT standardisation work programme

ICT standardisation is part of the general standardisation activities and contributes to the policy objective of improving European competitiveness while balancing industry expectations with societal needs.

Public authorities are interested in complementing European legislation and policies by references to standards. Standards established by the private sector can help create a level playing field for competition and their referencing can be a means of promoting an effective partnership between the private and public sectors. With its Communication on “The role of European standardisation in the framework of European policies and legislation” (COM (2004)647), the Commission aims to further broaden the use of such references.

The legal basis for the European standardisation policy, Directive 98/34, complemented by Council Decision 87/95 focusing on the specificities of the ICT domain, allows the European Commission to contribute financially to standard setting by the recognised European Standardisation Organisations, CEN, CENELEC and ETSI. Both the general standardisation policy and the ICT standardisation policy are currently undergoing a revision process.

The main objective for the EU ICT standardisation policy is to promote the use of standards as a means to increase interoperability between services and applications. Given the global nature of the market, synergy and cooperation between the ESOs and relevant fora and consortia is encouraged to cope with the ever-growing demand for standards to support interoperability in this fast evolving and innovative technology domain.

With this 3-year, rolling ICT standardisation work programme, the Commission services are inviting the ESOs, where appropriate in cooperation with relevant fora and consortia, to initiate standardisation activities as well as activities supporting the implementation of standards such as interoperability testing, promotional activities, educational initiatives, etc. in the specified policy domains. The policy domains result from legislation or policy initiatives which need standards for effective implementation.

This ICT standardisation work programme is the result of intensive inter-service cooperation complemented by consultation with the ESOs. These processes led to the identification of areas of high political importance that could benefit from the referencing of standards to help achieve policy objectives. The work programme provides the potential to cover ICT standardisation needs over a 3 years period and each standardisation request clearly indicates which type of standardisation deliverable is needed and the corresponding time frame.

The work programme is intended to be a living document which can be adjusted or updated if deemed necessary. A first evaluation of the effectiveness of the multi-annual work programme for ICT standardisation will be made in early 2011 at which time a decision can be made on whether to continue with the multi-annual approach.

Scope of the 2010-2013 ICT standardisation work programme

Further to the consultation of relevant Commission services, the 2010-2013 ICT standardisation work programme covers following priority domains:

- Domain 1: eHealth
- Domain 2: eInclusion
- Domain 3: Intelligent transport
- Domain 4: RFID
- Domain 5: Electronic signatures
- Domain 6: eInvoicing
- Domain 7: eSkills and eEducation
- Domain 8: ICT for sustainable growth
- Domain 9: Internet of things
- Domain 10: ePublishing
- Domain 11: eSecurity
- Domain 12: eBusiness
- Domain 13: Support to standards implementation

Domain 1: eHealth

EU policy area: eHealth
<p>eHealth is one of the fastest developing areas for ICT applications. At the same time a number of obstacles are impeding the exploitation of new products and services for the benefit of patients and for Europe's economy. Data protection issues and the lack of interoperability are two of the main obstacles.</p> <p>To foster telemedicine applications the Commission has published a Communication in 2008 which calls for actions in the area of technical issues and related to the functioning of the Internal Market. Although some telemedicine services have existed for a long time and most of the ICT has been in place for a while, there are still areas where technical and infrastructural issues need to be addressed. For example, broadband connectivity in all geographical areas in the EU, including rural and ultra-peripheral regions, is a precondition for telemedicine deployment and for universal access of all individuals to healthcare.</p> <p>Interoperability and in particular cross—border interoperability is crucial to allow a widespread use of ICT in the health sector, enabling the creation of a single market in this area. The use of existing standards and development of new ones as well as standardised approaches to achieve interoperability should be supported by standards development organisations, with the active participation of industry. Coordinated community action is necessary, and indeed has been explicitly called for in the draft Directive on patients' rights in cross-border healthcare.</p>
Justification for the standardisation activities
<p>The development of standards allowing interoperability of eHealth applications is crucial. This must go hand in hand with appropriate interoperability testing activities. Since eHealth is a relatively new area there is a considerable need for new standards and interoperability tests.</p> <p>Furthermore, market fragmentation and thus a non-functioning of the Internal Market is in eHealth is aggravated by the lack of technical and semantic interoperability.</p>
Reference documents
<ul style="list-style-type: none">- <u>COM(2004) 356</u>: Communication from the Commission to the Council, the European Parliament, the European Economic and Social Committee and the Committee of the Regions -e-Health- making healthcare better for European citizens: an action plan for a European e-Health Area- COM(2008)689 final: Communication to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions on telemedicine for the benefit of patients, healthcare systems and society-COM(2008) 414: Proposal for a Directive of the European Parliament and of the Council on the application of patients' rights in cross-border healthcare- COM Recommendation of 2 July 2008 on cross-border interoperability of electronic health record systems- Semantinc Health Report – January 2009

-Mandate 403 to CEN, CENELEC and ETSI on eHealth Interoperability

Required standardisation actions

-The execution of Phase II of the eHealth mandate M 403 is one of the key standardisation activities. Since the mandate does not cover the proper interoperability testing, it must be complemented by appropriate standardisation activities for interoperability testing and certification.

As Semantic Interoperability is a prerequisite for further standardisation activities special emphasis need to be put on semantic interoperability standardization.

The deliveries will be Workshop Agreements.

The time frame for the required standardisation deliverables

Once the work on Phase II of M 403 started the testing activities could start with a delay of one year. In general a period of three years for these activities should be envisaged.

Lead Service: DG INFSO H1

Contact Person: DG ENTR D4 Martina Sindelar

Domain 2 eInclusion

EU policy area : e-Inclusion

1.) e-Inclusion for people with disabilities

The European Union approach to disability demands the elimination of discrimination and the determination that people with disabilities should have the same rights in daily life than non-disabled people

The EU perceives disability essentially as the result of the dynamic interaction between a person with impairment and his or her environment. Generally it is the environment that is disabling rather than the nature of the impairment itself. Equal rights in society and economy cannot be realised without equal access to goods and services.

Many goods and services including ICT related ones fall under internal market regulations in Europe. The Internal Market comprises an area without internal frontiers in which free movement of goods, services, persons and capital is ensured. (art 14 of the EC Treaty). Declaration 22 annexed to the final Act of the Amsterdam Treaty provides that the Institutions of the Community shall take account of the needs of persons with a disability in drawing up measures under Article 95 of the Treaty.

2.) e-Inclusion for Ageing

The strong development towards an aging society all over Europe is a challenge offers also new opportunities for societal innovation, in particular through the use of appropriate ICT products and service which allows elderly people to actively participate in social life but includes also the aspect of independent living.

Justification for the standardisation activities

Accessibility is at the core of the European Disability Action plan and the UN Convention on the Rights of Persons with Disabilities that was signed by the European Community and all Member States. Accessibility is one of the general principles (article 3) to be taken into account in the overall implementing of the Convention. Furthermore, article 9 of the UN Convention provides that State Parties shall take appropriate measures to develop, promulgate and monitor the implementation of minimum standards and guidelines for the accessibility of facilities and services open or provided to the public. Among the areas to be covered are information and communications, including information and communications technologies and systems.

Under the General obligations of the Convention in article 4 there is the obligation to promote universal design¹ in the development of standards and guidelines.

The Commission is currently preparing a new European Disability Strategy for 2010-

¹ The UN Convention in its article 2 states that Definitions “Universal design” means the design of products, environments, programmes and services to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design. “Universal design” shall not exclude assistive devices for particular groups of persons with disabilities where this is needed. In fact Design for all should consider the interfaces with assistive devices.

2020 to succeed the current action plan. The Commission Proposal for a Council Directive on implementing the principle of equal treatment between persons irrespective of inter alia disability contains an article related to accessibility. Work on accessibility standards can complement this legislative proposal and help to facilitate its practical implementation.

Interoperability is a key objective to foster the take-up of accessible products and services by industry and end-users use. Standards are the key to ensure interoperability.

Reference documents

- UN Convention on the Rights of Persons with Disabilities.
- European Disability Action Plan 2003-2010 Communication on Situation of Disabled People in the European Union: the European Action Plan 2008-2009 COM(2007) 738 and SEC(2007)1548
- Draft Directive on implementing the principle of equal treatment between persons irrespective of religion or belief, disability, age or sexual orientation COM(2008) 426 final
- EC COM (2007) Action Plan on Ageing Well in the Information Society
- EC COM (Dec 2008) on e-Accessibility ("towards an accessible information society")
- EC COM on a 2010-20 Disability Action Plan (expected May 2010)
- Digital Agenda (not yet finalised)
- M 376 Standardisation Mandate to CEN, CENELEC and ETSI in support of European accessibility Requirements for Public Procurement of Products and Services in the ICT Domain
- M420 Standardisation Mandate to CEN, CENELEC and ETSI in support of European Accessibility Requirements for Public Procurement in the Build Environment

Required standardisation actions

Support is needed for the implementation of Mandates:

- M 376 (Phase II EN)
- M420 (Phase I work programme, Phase II EN)
- A new Standardisation Mandate to CEN CENELEC AND ETSI to include "Design for All" in relevant standardisation initiatives (Phase I work programme, Phase II EN)

New areas for standardisation activities (deliveries: Workshop Agreements or Technical Reports)

- Safety regarding assisting/companion robots in unstructured/uncontrolled environments (e.g. home or outside);
Interoperability of components for smart homes/independent living:

- At devices level,
- At semantic level (ontologies),
- For exchange of contextual information between artefacts.

- Accessibility ontologies for service oriented architectures (i.e. integrated accessibility solution rather than accessibility of separate components);
User modelling of human functional limitations (motor, sensory, cognitive and mental);

Harmonised assessment of human functional limitations (motor, sensory, cognitive and mental) and of compensating assistance needed.

- Accessibility of self-service terminals and information

- display/ announcement
- Total conversation (including text telephony); Accessibility of emergency call systems and PA system.
- Accessibility of digital maps and LBS/GIS solutions; Interoperability of BNCI devices.
- Eye gaze assistive solutions, in relation to roadmap from now closed COGAIN Network of Excellence.

- Harmonised assessment of auditory profiles.

- Mainstreaming accessibility in the relevant standardisation work, for example in eHealth, eSkills and education, eProcurement, eSignatures and in other domains where interaction of persons with technology is addressed.

The time frame for the required standardisation deliverables

The work will have to be done in the period covered with the new European Disability Strategy. However the execution of the ongoing Mandates needs to be finished place in 2 years and the adoption of the new mandate on “Design for All” is planned for 2010. For the new activities a period of 2-4 years should be envisaged.

Lead Services: DG EMPL G3, DG INFSO H3

Contact Person: DG ENTR D4 Martina Sindelar

Domain 3 Intelligent Transport

EU policy area: Intelligent Transport
<p>Standardisation needs in the field of transport are particularly related to the i2010 Intelligent Car and eSafety initiatives, Electronic Fee Collection and the Intelligent Transport System (ITS) Action Plan.</p> <p>The intelligent car initiative will accelerate the deployment of intelligent vehicle systems ensuring interoperability across countries and harmonising technical solutions.</p> <p>eSafety technologies bring down the number of road victims and reduce road traffic's energy consumption and CO2 exhausts.</p> <p>The ITS Action Plan complements the work of the Intelligent Car initiative and of the eSafety forum By addressing the priority areas where actions are necessary to lift the barriers hampering a wider and more coordinated deployment and use of ITS. The costs of traffic congestion – estimated at 1% of the European GDP – could be reduced by up to 10% through the deployment of ITS, and could prevent more than 5000 deaths in road accidents.</p>
Justification for the standardisation activities
<p>The integration of various ITS applications within a coherent, open-system architecture could yield better efficiency and usability, reduced costs and enhanced extensibility.</p> <p>EU activities aim at making available a common application to Transport authorities around Europe in order to develop interoperability and avoid the necessity for citizens to get a different media to access Public Transport when they move out of their domestic fare management territory.</p> <p>The field of cooperative systems is in a situation that prevents available technology from gaining critical market-share.</p>
Reference documents
<ul style="list-style-type: none">• Mandate 338: Electronic Fee Collection• Decision 2009/750/EC of the European Commission of 6 October 2009 on the definition of the European Electronic Toll Service and its technical elements (notified under document C(2009) 7547)• Commission Decision 2009/750/EC on the definition of the European electronic toll service• Commission Decision 2008/671/EC of 5 August 2008 on the harmonised use of radio spectrum in the 5875-5905 MHz frequency band for safety-related applications of Intelligent Transport Systems (ITS)• COM(2008)887 final: Proposal of a Directive of the European Parliament and of the Council laying down the framework for the deployment of Intelligent Transport

Systems in the field of road transport and for interfaces with other transport modes

- COM(2008)886 final: Communication from the Commission "Action Plan for the Deployment of Intelligent Transport Systems in Europe"
- COM(2007)541: "Towards Europe-wide Safer, Cleaner and Efficient Mobility: The First Intelligent Car Report"
- Recommendation C/2006/7125: Safe and efficient in-vehicle information and communication systems: update of the European statement of principles on human machine interface.
- COM(2006)723: Bringing eCall back on track - Action Plan.
- COM(2006)59: The Intelligent Car Initiative - "Raising awareness of ICT for smarter, safer and cleaner vehicles".
- Directive 2004/52/EC of the European Parliament and of the Council of 29 April 2004 on the interoperability of electronic road toll systems in the Community (OJ L166, 30.4.2004 . Corrected version in OJ L200, 7.6.2004)

Required standardisation actions

- Public Transport interoperability: The ESOs are invited to complement the existing IOPTA (Interoperable public transport architecture) standard EN 15320 to provide Europe with complete standardised data structures.
- Emergency Communications: The ESOs are invited to keep on submitting proposals for standards taking into account the current status of the eCall systems and the future evolution of the mobile communication networks and the IP environment, in particular IPv6 networks while taking into account privacy and data protection aspects. The field is not limited to the eCall inside vehicles but to any emergency Call from any communications device, e.g., PSTN fixed phones and VoIP phones.
- Electronic Fee Collection: The ESOs are invited to keep on submitting proposals included in the work programme responding to Mandate 338 that are still missing in order to support Directive 2004/52. Privacy and data protection aspects should be taken into account. The following work items are of particular interest:
 1. Electronic fee collection – Security framework of the European Electronic Toll Service (EETS). This work item should define a technical specification which is part of the standards family developed in CEN TC278 WG1. This specification provides the necessary security elements which are needed to implement an interoperable EETS and to enable trust between all stakeholders. It should be based on the identification of the security assets to be protected, which also covers data privacy aspects. The security assets are information objects, interfaces, subsystems and other entities or events which need to be protected.
 2. Electronic fee collection - Charging performance metrics and examination framework for EETS. A technical specification is needed to provide the necessary elements and framework to define metrics and examination methodologies for consistent determination of tolls due in EETS and other EFC systems. Should be considered:
 - ① the definition of metrics for measuring charging performance in terms of the

acceptable level of errors associated with charging computation (charging reliability);
② the definition of examination methods to compute the identified metrics.

- Co-operative systems. The ESOs are invited to develop standards in order to ensure deployment and interoperability of co-operative systems and services. This includes inter-vehicle communications (V2V), vehicle to infrastructure and infrastructure to vehicle communications (I2V) and infrastructure to infrastructure communications (I2I) and in particular those operating in the 5.9 GHz frequency band. Proposals should take into account the new mandate on co-operative systems.
- In-vehicle open architectures: The ESOs are invited to consider the need of producing standards for the adoption of an open in-vehicle architecture for the provision of ITS services and applications, including standard interfaces guaranteeing interoperability/interconnection with infrastructure systems and facilities. The ESO's are invited to follow-up the progress in this area and to address any standardisation requirements stemming from this action, taking into account the results of previous activities (e.g., the research project GST and the eSafety Working Group on SOA).
- ITS Framework Architecture: The ESOs are invited to submit proposals for standards to complement and streamline the existing standardisation activities (especially those on Communication Architecture), within the context of the multi-modal European ITS Framework Architecture proposed by the ITS Action Plan.
- Travel and Traffic Information: The ESOs are invited to submit proposals for standards related to the definition of common specifications for data and procedures for the provision of EU-wide real-time traffic and travel information services, including those for the free provision of minimum universal traffic information services.
- Management Services for Traffic and Freight: The ESOs are invited to submit proposals for standards related to the definition of a set of common procedures and specifications to ensure the continuity of ITS services for passenger and freight in transport corridors and in urban/interurban regions.

The time frame for the required standardisation deliverables

Actions launched under this work programme are expected to be finalised by 2013

Involved Commission services

Lead services: TREN.G.4, INFSO.G.4

DG ENTR D4 contact person : Emilio Castrillejo

Domain 4 RFID

EU policy area: RFID

Radio frequency identification (RFID) is a technology that uses radio waves to do automatic identification and data capture. The salient features of this technology are that they permit the attachment of a unique identifier and other information – using a micro-chip – to any object, animal or even a person, and to read this information through a wireless device.

RFID is of policy concern because of its potential to become a new motor of growth and jobs, and thus a powerful contributor to the Lisbon Strategy, if the barriers including a lack of interoperability to innovation can be overcome. The production price of RFID tags is now approaching a level that permits wide private and public sector deployment. With wider use, it becomes essential that the implementation of RFID takes place under a legal framework that affords citizens effective safeguards for fundamental values, health, environment, data protection, privacy and security.

The "OECD Policy Guidance on Radio Frequency Identification" was published on the occasion of the OECD Ministerial Meeting on the Future of the Internet Economy that took place in Seoul on 17-18 June 2008. This report contains policy and practical guidance principles to enhance business and consumer benefits from the use of RFID while proactively taking into account information security and privacy issues. It is supported by a report on economic aspects of RFID that reviews major fields of applications, economic impacts and country initiatives, as well as a report that analyses information security and privacy challenges and possible measures and safeguards to address them.

Justification for the standardisation activities

Public consultations and debates carried out in previous years have demonstrated that data protection, privacy and information security aspects of RFID should be carefully assessed and monitored. The standardisation Mandate M/436 was issued on the 8 December 2008 with a view to addressing the above issues as a complement to the existing legal framework.

Reference documents

- (1) Directive 95/46/EC on the protection of individuals with regard to the processing of personal data and on the free movement of such data.
- (2) Directive 2002/58/EC concerning the processing of personal data and the protection of privacy in the electronic communications sector (Directive on privacy and electronic communications).
- (3) Communication COM(2007) 96 proposing follow-up steps that overcome barriers to wide take-up of RFID which will benefit society and the economy while incorporating appropriate privacy, health and environmental safeguards.
- (4) Communication COM(2007) 228 on Privacy Enhancing Technologies (PETs), which aims at promoting the development of PETs, supporting the use of available PETs by data controllers, and encouraging consumers to use PETs.

<p>(5) Recommendation C(2009) 3200 on the implementation of privacy and data protection principles in applications supported by radio-frequency identification technologies.</p> <p>(6) Standardisation Mandate M/436 of 8 December 2008 to the European Standardisation Organisations CEN, CENELEC and ETSI in the field of Information and Communication Technologies applied to Radio Frequency Identification (RFID) and systems.</p>
<p>Required standardisation actions</p> <p>The Mandate M/436 addresses data protection, privacy and information security aspects of RFID. It shall be executed in two phases.</p> <p>1) Phase 1.</p> <p>The objective of the first phase is to prepare a Report describing a framework for the development of future RFID standards, which will include a detailed standardisation work programme in response to the identified gaps.</p> <p>2) Phase 2.</p> <p>The objective for the second phase is to implement the standardisation work programme agreed upon in the first phase. The deliverables will be defined in Phase 1, however CEN, CENELEC and ETSI are also invited to develop sector specific RFID implementation guidelines, as complementary documents of general nature.</p>
<p>The time frame for the required standardisation deliverables</p> <p>2010 – 2012</p> <p>Phase 1: January – June 2010</p> <p>Phase 2: 4Q10 – end 2012 (estimation)</p>

Lead service: DG INFSO/D4

Contact person: Antonio Conte – DG ENTR/D4

Domain 5 Electronic signatures

EU policy area: e-signatures
<p>The Directive 1999/93/EC aims at establishing a legal framework for electronic signatures and for certification service providers in the internal market. Several internal market instruments [e.g. Services Directive 2006/123/EC, Public Procurement Directives 2004/17/EC and 2004/18/EC, TVA Directive 2006/112/EC (as far as e-invoicing is concerned)] rely in their functioning on the framework set by the Directive.</p> <p>Interoperable e-signature is also needed to implement a large part of the Multi-annual European e-Justice Action Plan 2009 -2013 (OJ C 75 of 31/3/2009), for example for e-applications for small claims procedures, European Payment Orders, etc., via the European e-Justice Portal implemented by the Commission.</p>
<p>Justification for the standardisation activities</p> <p>Studies carried by the Commission showed that the current multiplicity of standardisation deliverables together with the lack of usage guidelines, the difficulty of access and lack of business orientation is detrimental to the interoperability of e-signatures, and formulated a number of recommendations to mitigate this. Furthermore, the fact that the European e-Signatures Standardisation Initiative (EESSI) ended its activities immediately after the publication of its work did not contribute to the take-up of the existing standardisation deliverables by the industry. Such take-up could possibly have resolved many interoperability issues before they occurred. Furthermore, the Commission evaluated the EESSI process, and recommendations to improve its openness were formulated.</p> <p>Moreover, the Commission adopted in 2008 an Action Plan on e-signatures and e-identification, which contained the following actions relevant for standardisation:</p> <ul style="list-style-type: none">• to update or possibly extend the Commission Decision 2003/511/EC;• to compile a "Trusted List" of qualified certification service providers;• to provide guidance helping to implement e-signature in an interoperable way. <p>Bearing in mind the above elements, the Commission issued the standardisation Mandate M/460 on the 22 December 2009. The objective of this mandate is to update the existing European e-signatures standardisation deliverables in order to create a rationalised framework. Such a rationalisation will also support the realisation of the items of the Action Plan related to e-signature.</p>
<p>Reference documents (EU legislation and/or EU policy documents)</p> <p>(7) Directive 1999/93/EC of the European Parliament and the Council of 13.12.1999 on a Community framework for electronic signatures</p> <p>(8) Commission Decision 2000/709/EC of 6.11.2000 on the minimum criteria to be taken into account by MS when designating bodies in accordance with Article 3(4) of Directive 1999/93/EC of EP and Council on a Community framework for electronic signatures.</p> <p>(9) Decision 2003/511/EC of 14.7.2003 on the publication of reference numbers of generally recognised standards for electronic signature products in accordance with Directive 1999/93/EC of the European Parliament and of the Council</p>

<p>(10) Communication COM(2006) 120 of 15 March 2006 - Report from the Commission to the European Parliament and the Council on the operation of Directive 1999/93/EC on a Community framework for electronic signatures.</p> <p>(11) Communication COM(2008) 798 of 28 November 2008 from the Commission to the Council, the European Parliament, the European Economic and Social Committee and the Committee of the Regions on an Action Plan on e-signatures and e-identification to facilitate the provision of cross-border public services in the Single Market.</p> <p>(12) Multi-annual European e-Justice Action Plan 2009 -2013 (OJ C 75 of 31/3/2009).</p> <p>(13) Mandate M/279, 1998, to CEN, CENELEC and ETSI in support of a European legal framework for electronic signatures.</p> <p>(14) Mandate M/290, 1999, to CEN, CENELEC and ETSI in support of the European legal framework for electronic signatures- Phase 2: Implementation of the work programme resulting from mandate M279 and presented in Section 8.3 of the (draft) report prepared by EESSI.</p> <p>(15) Mandate M/460 of 22 December 2009 to CEN, CENELEC and ETSI in the field of Information and Communication Technologies applied to Electronic Signatures</p>
<p>Required standardisation actions</p> <p>The required action is the execution of Mandate M/460. The resulting deliverables will be new/updated standards and Technical Reports covering:</p> <ul style="list-style-type: none"> - Inventory of e-signatures standards; - Rationalised structure for the European e-signatures standardisation documents; - Gap analysis – assessment of the existing e-signatures standardisation deliverables; - Quick fixes – identification of actions that must be performed rapidly leading to a quick and easy improvement of the functionality of the existing e-signatures standardisation deliverables; - Update of CWA 14169:2004, CWA 14167-1:2003, CWA 14167-2:2004 and CWA 14167-4:2004, with a view to quickly update and extension (if necessary) of Decision 2003/511/EC.
<p>The time frame for the required standardisation deliverables</p> <p>2010 – 2013 . CEN, CENELEC and ETSI shall provide to the Commission, within four months of the acceptance of the mandate, a detailed work programme that sets out the timetable for the work described in the Mandate.</p> <p>The mandate shall run for a total maximum duration of 48 months from the date of its acceptance.</p>

Lead service: DG INFSO/A3

Contact person: Antonio Conte – DG ENTR/D4

Domain 6 eInvoicing

EU policy area: eInvoicing

Article 232 of Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax allows the issue of electronic invoices instead of paper invoices.

In order to enhance the use of the digital environment and to reap the full benefits of e-invoicing in the Community, the current practices should be simplified and the transition to new business models facilitated by a more integrated and uniform framework. This would specially serve the interests of European small and medium-sized enterprises (SMEs).

The Commission set up at the end of 2007 an Expert Group on e-invoicing in order to address longer-term issues and propose solutions supporting the provision of e-invoicing services in an open and interoperable manner across Europe. The Expert Group delivered its Final Report in November 2009.

Justification for the standardisation activities

The Final Report of the Expert Group on e-Invoicing contains a set of recommendations for further actions in the domain of standardisation (CII = Cross Industry Invoice):

R4.9: The EG recommends that the European user community should develop clear profiles and implementation guidelines based on common recommendations facilitated through CEN to support the use of e-invoicing and facilitate interoperability. These implementation guidelines should be made freely available and stored publicly. Until full standards convergence based on these implementation guidelines occurs, the use of choreography specifications and format conversion tools will continue to facilitate mapping between standards.

R5.3: The EG recommends to take forward the CII v.2 content standard: including the preparation of a set of European implementation guidelines to be completed as soon as possible and no later than September 2010;

R5.4: The EG recommends to further develop the Guidance recommendations for interoperability including questions relating to addressing and identifiers;

R5.5: The EG recommends to develop reference implementation models and best practices for standards implementation.

R5.6: The EG recommends to formulate and channel specific requirements for the further development of the UN/CEFACT CII v.2 data model.

R5.7: The EG recommends to continue the current CEN Workshop and enhance its activities to take account of the Expert Group recommendations.

CEN is expected to ensure the implementation of the above recommendations, in coordination with other international organisations (UN/CEFACT, ISO, etc.).

Reference documents

- Mandate M/339 of 31 October 2003 to CEN, CENELEC and ETSI in support of interoperability of electronic invoicing in the Community.
- Council Directive 2006/112/EC of 28 November 2006 on the common system of

value added tax.

- COM(2009) 20 – The technological developments in the field of e-invoicing and measures aimed at further simplifying, modernising and harmonising the VAT invoicing rules.
- COM(2009) 21 – Proposal for a Council Directive amending Directive 2006/112/EC on the common system of value added tax as regards the rules on invoicing.

Required standardisation actions

CEN should develop specific actions, in cooperation with the other ESOs where appropriate, in response to the recommendations of the Expert Group. The actions may result in the publication of CWAs, Technical Reports, and Guidelines.

The time frame for the required standardisation deliverables

CII v.2 Implementation Guidelines should be published in 3Q10.

The other deliverables are expected in the period 2010 – 2012.

Lead service: DG ENTR/D4, DG MARKT/H3

Contact person: Antonio Conte – DG ENTR/D4

Domain 7 e-Skills and e-Learning

EU policy area for which specific ICT standardisation activities are required

e-Skills and e-Learning: EU efforts to foster the development of ICT related skills and competences (e-skills) as well as the promotion of lifelong learning (including e-learning) require a strong consensus and cooperation among Member States and stakeholders. In this context, pan-European skills and competences frameworks and tools as well as efficient and interoperable e-learning solutions are indispensable.

This was reflected in several strategic policy initiatives of the European Commission (e.g. eEurope, i2010 and e-Skills for the 21st Century) and encouraged in the context of the successive research and development framework programmes.

Justification for the standardisation activities

e-Skills: the CEN ICT Skills Workshop has been established in 2003. It is contributing to the long-term EU e-skills agenda. Consortium Workshop Agreements have been approved on (1) a European e-Competence Framework which is a reference framework of 32 ICT competences that can be used and understood by ICT user and supply companies, the public sector, educational and social partners across Europe; (2) end-user e-skills framework requirement; (3) practical tool to access e-career services and (4) ICT certification in Europe. Activities starting in March 2010 will concentrate on adapting the European e-Competence Framework to the needs of small enterprises, the development of ICT job profiles and further activities in the field of ICT certification. Future activities (2011-2013) would focus on ICT professionalism, innovation and green ICT skills as well as the international dimension.

e-Learning: since its start in February 1999, the Learning Technologies Workshop has contributed to the development of standards for learning technologies (e-learning) for Europe. Its goal is also to ensure that European requirements are properly addressed by global initiatives. It is liaising with the CEN Technical Committee 353, which was established in 2007. The benefits of European standards would be an increase in quality of European e-learning products, services and processes and an increase of their interoperability. A number of these Consortium Workshop Agreements are providing good practice for e-learning quality approaches, case studies and implementation guidelines.

As the judiciary and legal practitioners are required more and more to use ICT for their everyday work and judicial procedures (especially when e-signature and e-ID/STORK are implemented) pan-European e-skills and interoperable e-learning solutions are essential.

Reference documents

1. COM(2007) 496: "e-Skills in the 21st Century: Fostering Competitiveness, Growth and Jobs" followed by Competitiveness Council Conclusions of 23 November 2007 on a long-term e-skills strategy
2. COM(2005) 229: "European i2010 strategy for information society and media of 1 June 2005"

3. SEC(2008) 2629: "The use of ICT to support innovation and lifelong learning for all - A report on progress" of 9 October 2008"
4. COM(2008) 865: "An updated strategic framework for European cooperation in education and training"
5. Stockholm Programme 2010-2014 – an open and secure Europe serving and protecting citizens - (Council doc: CO EUR-PREP3 JAI 896 POLGEN 229 of 2.12.2009) setting ambitious targets for training for the judiciary and legal practitioners as well as police, customs officers and border guards.

Important relevant documents are under preparation in the context of the Innovation Act and the European Digital Agenda as well as a report to the Council and the European Parliament on the implementation of the Communication on "e-Skills for the 21st Century".

Required standardisation actions

e-Skills: Following the Communication on “e-Skills for the 21st Century: Fostering Competitiveness, Growth and Jobs” of 7 September 2007 which is presenting a long term e-skills strategy for the European Union, CEN is invited to further develop European standards in the field of e-skills with a focus on ICT practitioners, managers and advanced ICT users. Areas of interest include:

- European e-Competence Framework, Job Profiles, Qualifications and Certifications: methods and tools for the development, the promotion, the acceptance, the implementation and the maintenance and of a European e-Competence Framework and further development with a view to promote ICT professionalism, innovation skills and green ICT skills, including international cooperation;
- European e-Competence Curriculum Guidelines: development, the promotion and the implementation of European e-competences curriculum guidelines to facilitate the mutual recognition of training, transparency of qualifications and credit transfer between formal, non formal and industry education and training.

e-Learning: ICT support for education and training is crucial to the objectives of the EU i2010 strategy and the forthcoming European Digital Agenda. The Seventh Framework Programme is continuing the support for use of ICT in education, in particular for innovation. CEN is invited to further develop European standards in the field of e-learning. Areas of interest include:

- Technical and semantic interoperability regarding e-learning context adaptable systems;
- E-learning content repositories and exchange mechanisms, formats and vocabularies.

The time frame for the required standardisation deliverables

2010-2013: CEN shall provide to the Commission in 2010 a detailed work programme for the implementation of the objectives defined in the fields of e-skills and e-learning for the period 2011-2013.

Involved Commission services

Lead services: DG ENTR D4; DG INFSO E6; DG EAC A1

DG ENTR D4 contact person : André Richier

Domain 8 ICT for sustainable growth

EU policy area:
<p>One of the EU's key ambitions is to develop a low-carbon economy. To make this happen, the EU has given policy direction through the comprehensive policy framework proposed in the energy and climate package, including among others the climate and energy targets for 2020:</p> <ul style="list-style-type: none">• A reduction of at least 20% in greenhouse gases (GHG)• A 20% share of renewable energies in EU energy consumption <p>The main coordination reference is the Task Force Smart Grids, created to advise the Commission on policy and regulatory directions at European level and to coordinate the first steps towards the implementation of Smart Grids under the provision of the Third Energy Package.</p>
Justification for the standardisation activities
<p>ICTs currently account for around 2% of the total carbon emissions and are expected to triple in the global calculation by 2020 compared to 2002 level. It is therefore urgent that energy efficiency measures are applied in order to counterbalance the expected growth in telecommunications networks.</p> <p>Smart Grids will also contribute to the increasing use of ICT. The integration of ICT into the centralised grid transforms it into a fully interactive intelligent –"smart"- network. Standard protocols for exchange of information about power demand and supply will allow current to flow exactly where and when it is needed and at the cheapest cost.</p> <p>Harmonised protocols would provide standard components and interfaces giving ‘plug-and-play’ capability for any new entrant to the network, such as electric cars, or the use of open architectures based on global communication standards.</p> <p>The use of Smart Grids for future high-tech infrastructures in Europe, such as integration of renewables and energy infrastructure for electric cars, needs to be addressed from a very beginning to create synergies and assure interoperability.</p>
Reference documents
<ul style="list-style-type: none">• Mandates<ul style="list-style-type: none">- M441: Smart metering- M450: Standards for measurement of no-load condition electric power consumption and average active efficiency of external power supplies- M451: Power consumption measurement of simple set-top boxes in active and stand-by modes- M455: Common Charging Capability for Mobile Telephones• COM (2009) 111: Mobilising Information and Communication Technologies to facilitate the transition to an energy-efficient, low-carbon economy• COM(2009) 519 final: Investing in the Development of Low Carbon Technologies (SET-Plan)• C(2009) 7604: Recommendation (9.10.2009) on mobilising Information and

Communications Technologies to facilitate the transition to an energy-efficient, low-carbon economy

- COM(2008) 30 final: 20 20 by 2020, Europe's climate change opportunity
- COM(2008) 241: Addressing the challenge of energy efficiency through Information and Communication Technologies
- Directive 2006/32/EC: Energy end-use efficiency and energy services

Required standardisation actions

The Commission will address a standardisation mandate to the ESOs inviting them, in a first phase, to identify the potential role of standardisation in support of the realisation of the policy objectives. The ESOs are invited to contribute to the establishment of a successful mandate.

In collaboration with interested stakeholders, the ESOs are requested to provide a report concerning the standards issues relating to smart grid – which organizations are working on the issue at global and regional level, what are their timeframes, what mechanisms exist for collaboration between them, what gaps there may be. The report should be prepared in consultation with the Smart Grids European Technology Platform, the Smart Grids Forum and the European Electricity Grids Initiative (EEGI) and take due account of other international initiatives.

Furthermore, the ESOs are invited to focus in their proposals for Workshop Agreements on the following areas:

- Link standardisation and research into novel ICT-based solutions to increase energy efficiency and strengthen their take-up.
- ICTs for managing and controlling the distributed power grid, including the reinforcement of cyber security.
- ICT for smart charging for electric vehicles in the context of smart grids.
- Standards to increase the number of intelligent components, equipment and services that take into account their direct and indirect energy consumption, either to produce corrective information or to perform actions on hot points.

The time frame for the required standardisation deliverables

Actions launched under this work programme are expected to be finalised by 2013

Involved Commission services

Lead services: TREN.D.3, TREN.C.2, INFSO.H.4

DG ENTR D4 contact person : Emilio Castrillejo

Domain 9 Internet of Things

<p style="text-align: center;">EU policy area: Internet of Things</p>
<p>The policy area addressed is the Internet of Things (IoT). The concept refers to billions of objects that connect transparently to the Internet to retrieve or send information to a distant database or information system without direct human intervention. From a pure technical point of view, the IoT is therefore an extension of the naming system of the Internet. As it enables the identification of electronic data elements (e.g., URL address for websites), the IoT means a convergence of electronic ID. Moreover, the IoT is not restricted to a specific technology but covers several technical solutions (RFID, TCP/IP, sensors, actuators, interfaces, and more generally mobile technologies which are capable of object identification, data capture, storage, processing, transfer within physical environments as well as between physical contexts and virtual universes). Potential related applications include smart grids and e-Health.</p>
<p>Justification for the standardisation activities</p>
<p>The European Commission released in 2009 a communication the Internet of Things" with a defined set of activities. This includes as Action Line 6 the setting up of an IoT Standardisation Mandate. Today's networks comprise complex ecosystems of vendors whose products are not always interoperable. In a longer-term perspective, smooth and effective functioning of the IoT will require development of and wide consensus about standards for physical interconnection, protocols, data structures, and distributed architectures. A standard for network architecture is crucially required for the upcoming IoT. As its first level refers to the open loop scenario, in supply chain optimisation, standardisation within the same value chain is a minimum requirement. Special emphasis may need to be laid on the governance of the IoT: decentralised ONS (i.e. the discovery of object information on the basis of an electronic product code), Discovery Services (i.e. information searches within the network such as RFID "events" associated to a product) and on the "silence of the chips".</p>
<p>Reference documents)</p>
<ul style="list-style-type: none">– COM(2009) 278 final: Internet of Things – An action plan for Europe.– COM(2009) 149 final: Protecting Europe from large scale cyber-attacks and disruptions: Enhancing preparedness, security and resilience.– COM(2008) 0313 final: Advancing the Internet: action plan for the deployment of IPv6 in Europe.
<p>Required standardisation actions</p>
<p>The Commission will address a standardisation mandate to the ESOs inviting them, in a first phase, to identify the potential role of standardisation in support of the realisation of the Internet of Things policy objectives. The ESOs are invited to contribute to the establishment of a successful mandate.</p> <p>In collaboration with interested stakeholders, the ESOs are requested to provide a report concerning the standards issues relating to Internet of Things – which organizations are working on the issue at global and regional level, what are their timeframes, what mechanisms exist for collaboration between them, what gaps there may be. The report</p>

should be prepared in consultation with the EPoSS European Technology Platform, the European Commission's Experts Group on the follow-up to the IoT Communication, and the Future Internet Assembly, and it should take due account of other relevant European and global initiatives. The final deliverables are not specified at this stage, but they might be a pre-standard (e.g., CEN WSA) or complete standards.

Furthermore, required liaisons will be with: (1) work done in the context of the standardisation mandate on RFID (M/436); (2) work done on machine-to-machine communications within ETSI/TC M2M; (3) work done within the standardisation mandate on an "open architecture for utility meters involving communication protocols enabling interoperability" (M/441); (4) and related activities in ISO, ITU, IETF, EPCglobal.

The time frame for the required standardisation deliverables

2010 - 2012

Involved Commission services

Lead service : DG INFSO/D4

DG ENTR D4 contact person: Antonio Conte

Domain 10 ePublishing

EU policy area : e-Publishing
Justification for the standardisation activities
<p>Book publishing is the largest cultural industry in Europe with a 23 billion annual turnover and a production of more than half a million new titles each year.</p> <p>Publishers are increasingly impacted by the electronic environment, not only in the production of their books but also by consumers' expectations to be able to access books on any device or any platform they may choose. Interoperability is key to allowing the consistent use of different devices and platforms and allow consumer choice. Standards are a critical means to achieve interoperability and are therefore an important potential tool for the publishing industry.</p> <p>There are a number of specific standards issues such as publishing workflow and production software, metadata standards, distribution and end-user requirements. But an accepted overview of these developments is lacking, and there are a number of serious pending problems concerning, for example, interoperability of e-book formats.</p> <p>The ESOs should seek to provide such an overview and identify specific difficulties to be resolved by the standards process, whether by formal bodies or involved consortia.</p>
Reference documents
<p>- Results of Commission/CEN/FEP Conference, 17 June 2009</p> <p>- Information and Communications Technologies (ICT) Policy Support Programme ("ICT PSP"), one of three specific programmes implemented through Decision No. 1639/2006/EC of the European Parliament and of the Council of 24 October 2006 establishing a Competitiveness and Innovation Framework Programme (2007-2013) ("CIP"), OJ L310, 9.11.2006, p. 15.</p>
Required standardisation actions
<p>Report to be provided by an open stakeholder group. Co-operation to be ensured with ISO and relevant standards consortia.</p>
The time frame for the required standardisation deliverables
<p>One year</p>
<p>Lead Services: DG INFSO A1,E6, Contact Person: DG ENTR D 4 Martina Sindelar</p>

Domain 11 eSecurity

EU policy area for which specific ICT standardisation activities are required

- Electronic Identity claim management and privacy protection
- Body scanners
- Cyber-security of industrial control systems
- Supply chain security

Justification for the standardisation activities

Electronic Identity claim management and privacy protection

Member States (and other countries) are in the process of developing e-Identity cards and seek for interoperability between them. In addition, industry works on access claims management for services, Cloud, etc, and want to link to Identity documents provided by governments in an automatic way (e.g. opening electronic bank accounts, registering in hotel in certain countries, proving age limits, etc.). At the same time privacy protection technology for minimal data disclosure becomes available. To facilitate a smooth and user-accepted process for identity and access management on the Web, standards are urgently needed. Work has started, but should be strongly supported by the EC.

Body scanners

There are sensitive issues concerning the installation and operation of whole body scanners in airports and other infrastructural facilities. In particular there is a lack of common agreement on the way in which the scanners should be operated so as to protect the privacy of individuals, whilst ensuring a high level of security, and how the resulting data, if retained, should be transmitted and stored.

Cyber-security of industrial control systems

Supervisory Controls and Data Acquisition (SCADA) is the term for security of process control and industrial manufacturing systems. These have increasingly relied on commercial information technologies, but the number of user groups and standardisation activities dealing with security issues in the area of SCADA systems has rapidly grown over the last few years. On the one hand this is a good message, because it underpins that security has become an important issue being taken into account. On the other hand it leads to a jungle of standards and guidelines, because these are often being developed in parallel, with resulting lack of interoperability and other conflicts.

The FP7 ESCoRTS project (“European Network for the Security of Control and Real-Time Systems”) has provided an overview of the relevant standards and guidelines. This work should be taken forward in order to provide interoperability specifications and implementation guidance.

Supply chain security

A Mandate was issued by the Commission and work is ongoing.

Reference documents

General

COM(2009) 691 – "A European Security Research and Innovation Agenda – Commission's initial position on ESRI's key findings and recommendations.

ETSI Security Standards Roadmap

Electronic Identity claim management and privacy protection

Directives on Data protection (95/46/EC) and privacy (2002/58/EC). The new Telecom package agreed end-2009.

Biometric passport agreements under ICAO.

STORK project (<https://www.eid-stork.eu>)

K. Cameron, R. Posch and K. Rannenber: Proposal for a common Identity Framework: a user-centric Identity metasytem (www.identityblog.com).

Body scanners

Directive 95/46/EC.

Cyber-security of industrial control systems

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Supply chain security

< To be added >

Required standardisation actions

Electronic Identity claim management and privacy protection

Precise definition need to be worked out in the standardisation groups. The definition of a mandate would probably be part of the work. The paper of Cameron et al. gives some ideas on which areas require standards for interoperability.

Body scanners

The ESOs should create a standards activity to provide a stakeholder consensus on guidance for the operation of whole body scanners.

Cyber-security of industrial control systems

In collaboration with interested stakeholders, the ESOs are invited to prepare a programme for the production of the relevant interoperability specifications and related guidance. The programme should be prepared in full collaboration with the relevant TCs in ISO and IEC and with consortia activities as cited in the ESCoRTS overview, and recommend timescales.

Supply chain security

Mandate M/xxx specifies the tasks to be carried out by the ESOs.

The time frame for the required standardisation deliverables

Electronic Identity claim management and privacy protection

Given the work being done currently in DG INFSO to come to a European Large Scale Activity for developing a framework for interoperable and privacy protecting e-ID management in the EU, clear planning in line with the development of this action is required.

Body scanners

12 months.

Cyber-security of industrial control systems

12 months

Supply chain security

<To be added>

Lead services: DG INFSO/A3 and DG JLS/D5 (Electronic Identity), DG JLS/D5 (Body scanners), DG INFSO/A3 and DG INFSO/F5 (Cyber-security of industrial control systems), DG ENTR/H4 (Supply chain security).

Contact person: Antonio Conte – DG ENTR/D4

Domain 12 eBusiness

EU policy area: eBusiness
<ul style="list-style-type: none">- e-Procurement- Classification systems for public procurement- Standardisation of e-tools in the field of e-procurement (e.g. e-catalogues, e-attestations, etc.)- Electronic communication of business and financial data
Justification for the standardisation activities
<p>There is a need to eliminate / prevent interoperability barriers to the participation in electronic public procurement procedures, in particular across borders, and to facilitate and accelerate the effective usage of electronic public procurement procedures and tools. Most standardisation work is ongoing and quite advanced in this domain, so no new standardisation efforts are required for the time being.</p> <p>As far as business and financial data are concerned, the use of the "eXtensible Business Reporting Language" (XBRL) is emerging. It is a language for the reporting of business and financial data that provides major benefits in the preparation, analysis and communication of business information. It offers cost savings, greater efficiency and improved accuracy and reliability to all those involved in supplying or using financial data. It belongs to the family of "XML" languages.</p> <p>It is being developed by an international non-profit consortium of approximately 450 major companies, organisations and government agencies. It is free of licence fees. There are already several implementations based on XBRL, and their number is growing rapidly. More information is available at www.xbrl.org and http://en.wikipedia.org/wiki/XBRL.</p> <p>XBRL could be of interest to the eBSN members and to DG ENTR/B5 who is in charge of the administrative simplification. XBRL has been widely accepted as a way of recording, storing and transmitting business financial information, and has the potential to deliver major cost savings and gains in efficiency, improving processes in companies, governments and other organisations.</p> <p>The introduction of XBRL tags enables automated processing of business information by computer software, cutting out laborious and costly processes of manual re-entry and comparison. Computers can treat XBRL data "intelligently": they can recognise the information in a XBRL document, select it, analyse it, store it, exchange it with other computers and present it automatically in a variety of ways for users. XBRL greatly increases the speed of handling of financial data, reduces the chance of error and permits automatic checking of information.</p> <p>Conversion of some basic XBRL Recommendations into European standardization</p>

deliverables, with appropriate cross-referencing, will help improve the acceptance of the specification across Europe, and enable improvements to be made.

Reference documents

e-Procurement:

1. Directive 2004/17 of the European Parliament and of the Council of 31 March 2004 coordinating the procurement procedures of entities operating in the water, energy, transport and postal services sectors
2. Directive 2004/18 of the European Parliament and of the Council of 31 March 2004 on the coordination of procedures for the award of public works contracts, public supply contracts and public services contracts
3. Regulation (EC) No 2195/2002 of the European Parliament and of the Council of 5 November 2002 on the Common Procurement Vocabulary (CPV)
4. Commission Regulation (EC) No 1564/2005 of 7 September 2005 establishing standard forms for the publication of notices in the framework of public procurement procedures pursuant to Directives 2004/17/EC and 2004/18/EC of the European Parliament and of the Council
5. 2004 Action plan for the implementation of the legal framework for electronic public procurement (2005)
6. i2010 eGovernment Action Plan: Accelerating eGovernment in Europe for the Benefit of All (2006)
7. 2005 Manchester Ministerial declaration on e-Government and 2009 Malmö Ministerial Declaration on eGovernment
8. Forthcoming results of the evaluation of the e-procurement action plan, in view of drafting a new strategy document for 2010-15

XBRL:

1. The announcement of the European Parliament from 10 March 2009 (<http://www.europarl.europa.eu/sides/getDoc.do?type=TA&language=EN&reference=P6-TA-2009-0100>):

[The European Parliament] “calls on the Commission to stimulate simplification and harmonisation of company law and, in particular, accounting rules within the internal market in order to reduce the administrative burden for SMEs and increase the transparency for all relevant stakeholders; urges the Commission to promote strongly the use of new technology such as eXtensible Business Reporting Language (XBRL) by presenting a roadmap for introducing XBRL reporting in the European Union with a view to making it mandatory within a reasonable time frame and to promote and support wide use of this open standard;”

Required standardisation actions
e-Procurement: <ul style="list-style-type: none">- Classification systems, convergence between different classification systems (CPV, eCI@ss, gpc/gsl, etc.), electronic catalogues and their use in procurement phases (e-tendering, e-ordering). In particular, work covering the following issues:<ul style="list-style-type: none">- possible synergies between eCI@ss, CPV and other classifications.- product data interoperability through reference data libraries.- activities aimed at the adoption of Product Data standards by SMEs- Definition of standard formats, messages and data exchange for various e-procurement phases and tools<ul style="list-style-type: none">- Continuation of the works on technical interoperability in the field of public procurement, follow up to the works undertaken by CEN/BII- Definition of standard formats for certificates and attestations issued by public offices to provide evidence to third parties of status, situations, events, etc., concerning individuals and businesses.- Multilingualism in ICT (e.g. for classification systems, standard forms, certificates and attestations...)- Promotion and awareness activities (conferences, events) on the above topics
XBRL: <p>The activity should be undertaken in full collaboration with XBRL.ORG, and take due account of other relevant international standards activities (e.g. UN/CEFACT).</p> <p>The outcome is expected to be constituted by Technical Reports, CWAs, and guidelines.</p>
The time frame for the required standardisation deliverables
Ongoing activities in the period 2010 -2012.

Lead service: DG MARKT/C4 (e-procurement), DG ENTR/B5 (XBRL)

Contact person: Antonio Conte – DG ENTR/D4

Domain 13 Support to implementation of standards

EU policy area for which specific ICT standardisation activities are required
<p>Standardisation is one important way to widespread the application of research results under the condition that it is part of an overall approach to encouraging innovation through market uptake and commercialisation of innovating technologies, the dissemination of scientific results and the development of common specifications and standards.</p> <p>In addition, the recommendations in the communication from the Commission “Towards an increased contribution from standardisation to innovation in Europe”, refer, inter alia, to:</p> <ul style="list-style-type: none">- the inclusion of new knowledge in standards resulting from publicly funded research and innovation programmes- the need to involve SMEs in European standardization.
Justification for the standardisation activities
<p>Initiatives to better link ICT standardisation and ICT R&D appear to be most effective when carried out already at the research planning stage. Standardisation awareness thus needs to be considered early in the research life cycle.</p> <p>Furthermore, a failure to support innovative SMEs in the ICT industry in their efforts to influence standards could seriously restrict the market impact of these SMEs, and their long-term growth prospects.</p>
Reference documents
<ul style="list-style-type: none">• COM(2009) 479 final: A public-private partnership on the Future Internet• COM(2008) 133 final: Towards an increased contribution from standardisation to innovation in Europe
Required standardisation actions
<ul style="list-style-type: none">• The ESOs are invited to propose standardisation related initiatives to further support the effective take up and implementation of standards in the priority domains identified by the Work Programme. These actions should cover:<ul style="list-style-type: none">- awareness, promotion, conferences, information and education, paying particular attention to the cooperation with R&D and SMEs involvement.- implementation of pilot projects and interoperability testing.
The time frame for the required standardisation deliverables
<p>Actions launched under this work programme are expected to be finalised by 2011</p>
Involved Commission services

Lead services: ENTR.D4

DG ENTR D4 contact person : Emilio Castrillejo

Time schedule for the launch of the 2010-2013 ICT standardisation work programme

<u>Date</u>	<u>Action</u>
29/01	Transmission to services with request for comments by 5/02
10/2	Transmission to ESO with invitation for meeting 16/02 WP also to be submitted to Industry, consumer, SME ; organisations ; to the ICT/SC with request for comments
16/02	Meeting with ESO's : presentation and discussion WP, financial rules, submission process for proposals etc; invitation for comments by 26/02
26/02	Deadline comments
March	Information Committee 98/34
March	Invitation submission of proposals; Although the WP covers a 3 years period, a first batch should however be submitted by end of May in view of signed contracts before end of the year. Further submissions are possible and can be processed as soon as budget availability is guaranteed.
29/04	Presentation and discussion WP with ICT/SC ;
End May 2010	Start of evaluation of proposals
June- end of July	First evaluation round, subsequent info to ESO's with potential request for updating the proposals
September	Interim Information report to Committee 98/34 on status of proposals received
September – Mid October	Second evaluation round f
End October	Finalisation first batch of proposals