



NSAI
Standards

Standard Recommendation
S.R. CWA 16050:2009

A framework for the emerging network infrastructure of e-Invoice service providers throughout Europe

S.R. CWA 16050:2009

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i>	<i>This document is based on:</i> CWA 16050:2009	<i>Published:</i>
This document was published under the authority of the NSAI and comes into effect on: 29 December, 2009		ICS number: 35.240.60
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

CEN

CWA 16050

WORKSHOP

December 2009

AGREEMENT

ICS 35.240.60

English version

A framework for the emerging network infrastructure of eInvoice service providers throughout Europe

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

This CEN Workshop Agreement can in no way be held as being an official standard developed by CEN and its Members.

This CEN Workshop Agreement is publicly available as a reference document from the CEN Members National Standard Bodies.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Contents	2
Foreword	3
1. Scope.....	5
2. Normative References	6
3. Definitions and abbreviations.....	7
3.1 Definitions	7
3.2 Abbreviations	8
4. Framework for emerging network infrastructure of electronic invoice service providers throughout Europe.....	9
4.1 Objective of the document	9
4.2 Interoperability framework	9
4.3 Interconnection Scenarios	10
4.4 Service provider Criteria	13
4.5 Interoperability agreement between service providers	13
4.6 Data Interchange	15
4.7 Routing.....	15
4.8 Electronic ID's – (eInvoice addressing for routing).....	15
4.9 Message Confirmation - Functional Acknowledgement	16
5 Conversion.....	17
5.1 Need for conversion.....	17
5.2 Recommendations for conversion	17
5.3 Different conversion scenarios	18
5.4 Common format for eInvoice	19
5.5 Minimum information content.....	19
5.6 Original message in envelope	20
5.7 Original Invoice	20
5.8 Electronic Signature.....	21
5.9 Archiving	21
6 Additional third party services.....	22
6.1 Benefits of third party services.....	22
6.2 eInvoicing Address registry.....	22
6.2.1 The purpose of Address registry.....	22
6.2.2 General functionality	23
6.2.3 Overall description of the registry	24
6.3 Addressing schemes	25
6.4 Minimum data requirements for Address Registry	25
6.5 Security requirements for registry information.....	26
6.6 Confidentiality	26
6.7 Integrity	26
6.8 Availability	26
6.9 Other third party services.....	26
6.10 Certification centers (service provider)	26
List of Pictures.....	28

Foreword

This CWA has been prepared by the CEN/ISSS Workshop on 'eInvoicing Phase 2' (WS/eInv2)

The CWA has been approved at the final workshop plenary meeting on 10 September 2009.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of CEN: AENOR, AFNOR, ASRO, BSI, CSNI, CYS, DIN, DS, ELOT, EVS, IBN, IPQ, IST, LVS, LST, MSA, MSZT, NEN, NSAI, ON, PKN, SEE, SIS, SIST, SFS, SN, SNV, SUTN and UNI.

This CEN Workshop Agreement (CWA) is part of a set of CWAs that has been prepared by Phase II of the CEN/ISSS Workshop on Electronic Invoicing in the European Community.

The objective of this Phase of the Workshop is to help to fill gaps in standardization for the use of electronic invoice processes, to identify the various practices in member states, to integrate the emerging technical and practical solutions into effective good practices, and to define and disseminate these good practices for e-invoices in close coordination and cooperation with private industry, solution providers and public administrations.

Five initial Projects have been established with a view to supporting the:

1. Enhanced adoption of electronic invoicing in business processes in Europe;
2. Compliance of electronic invoice implementations with Council Directive 2001/115/EC and Directive on the Common System of Value Added Tax 2006/112/EC as well as Member States national legislation as regards electronic invoicing.;
3. Cost-effective authenticity and integrity of electronic invoices regardless of formats and technologies;
4. Effective implementation of compliant electronic invoice systems in using emerging technologies and business processes; and
5. Emerging network infrastructure of invoice operators throughout Europe.

This CWA was developed by the working group on the project 5. listed above.

In addition, the Workshop has strived after the responsibility for the standards aspects of the European Commission's expert group on electronic invoicing, complementing and linking with the relevant Commission groups, and ensuring the relevant global standards activities are correctly informed and primed. In this activity, it aims to ensure collaboration with other CEN/ISSS groups, European Commission Expert Group on eInvoicing (EEI) Network and Standards subgroup and UN/CEFACT (TBGs1, 5 and 15.)

Companies supporting the current CWA

Accelya, France
ACEAT, Tax Agency of Spain, Spain
Adobe Europe, United Kingdom
Agenzia della Entrate, Italy
AITI, Association of the Italian Corporate Treasurers, Italy
ARIBA, Germany
AUDI AG, Germany
Austria Pro, Austria
B2boost SA, Belgium
BMW AG, Germany
Campus 02, Austria
CBI Consortium, Italy
Crossgate AG, Germany
Datacert, United Kingdom
Deutsche Post, Germany
Dr. Otto Mueller Consulting, Switzerland
EDIFICE
ELMA, Finland

S.R. CWA 16050:2009

CWA 16050:2009 (E)

EQUENS, The Netherlands
FHNW, Fachhochschule Nordwestschweiz, Switzerland
FIR-DIG Consultants, Italy
FMS Group, Italy
France Telecom, France
GS1 international, Belgium
Hilti A.G., Liechtenstein
IBM, United Kingdom
Infocert spa, Italy
Innovery spa, Italy
Itella Information AS, Estonia
Legal Counsel Engel-Flehsig, Germany
Ministerio de Industria, Turismo y Comercio, Spain
MKE, Belgium
Odette International Ltd., United Kingdom
RBS, The Netherlands
SFTI, Sweden
STS Group, France
Sofid/eact, Italy
TecCom GmbH, Germany
Thales, United Kingdom
The Netherlands Tax and Customs Administration, The Netherlands
Tieke, Finland
Trustweaver, Sweden
VAT Forum cv, Belgium
Verband der Automobilindustrie e.V., Germany
XFT GmbH, Germany

1. Scope

When implementing electronic business and administration related documents within the supply chain, including (in particular) electronic invoicing - as well as others, many organizations decide to utilize the services from (eInvoice) service providers¹. There are several benefits from using service provider's services, some are the same for large enterprises as well as for SME's, while others are different. The major reason for SME's to use service provider services is the possibility to concentrate on their core business and utilize service provider expertise and facilities for electronic invoicing without investing too much themselves in dedicated personnel, equipment and software. Large enterprises are looking also for outsourcing and rationalizing electronic invoicing tasks. In addition to that they often want to have a single entry point for their exchange of electronic invoices.

The present document gives:

- guidance on good practices for service providers in their activities on information exchange and routing,

as well as

- issues related to eInvoice addressing to facilitate the electronic invoice exchange between the service provider networks.

The present document is applicable to Business-to-Business² invoicing in general, whether the invoice is handled with out without human intervention and it is mainly addressing the service provider functions as part of the eInvoice transaction chain. There is a lot of legislative issues and regulations related to eInvoicing and service provider operation.

Topics like

- general legal issues,
- taxation(VAT),
- electronic signatures and
- archiving techniques

are noted, but discussion is out of the scope of this CWA.

¹ Service provider is an organization providing third party services for Customers and Suppliers by e.g. implementing eInvoicing

² Also indicated by B2B, B2b or b2B where the 'b' refers to an SME and the 'B' to a larger size business entity. Business to Government is considered equivalent to B2B and not mentioned separately here

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-