

WELMEC 6.0  
Issue 2

# WELMEC

European cooperation in legal metrology

## Introduction to WELMEC Documents on “e”-marked Prepackages



June 2007

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European cooperation in legal metrology

WELMEC is a co-operation between the legal metrology services of the Member States of the European Union and EFTA. This document is one of a number of Guides published by WELMEC to provide guidance to manufacturers of measuring instruments and to notified bodies responsible for conformity assessment of their products. The Guides are purely advisory and do not themselves impose any restrictions or additional technical requirements beyond those contained in relevant EC Directives. Alternative approaches may be acceptable, but the guidance provided in this document represents the considered view of WELMEC as to the best practice to be followed.

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# **Introduction to WELMEC Documents on ‘e’-marked Prepackages**

## **WELMEC document 6.0**

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## 1. Introduction

- 1.1. All member states have implemented the Directives 75/106/EEC and 76/211/EEC relating to 'e'-marked prepackages which were to facilitate free movement of these products. The European Legal Metrology Cooperation (WELMEC) working group 6 has prepared a series of documents to assist competent departments, packers and importers in complying with the Directives' requirements. Further details of these are given in paragraph 5.
- 1.2. Prepackages<sup>1</sup> may only be marked with the stylised 'e'<sup>2</sup> if the requirements of the Directives have been met. These requirements include: -
- a) the quantity, prepackages must meet the '3 packers rules',
    - 1) the average quantity of product in all the prepackages in a batch is not less than the marked quantity,
    - 2) the number of 'defective'<sup>3</sup> prepackages does not exceed the number stipulated (this approximates to no more than 2.5% of the batch), and
    - 3) no prepackages have a quantity below a lower limit<sup>4</sup>.
  - b) the making up or checking of the quantity in the prepackages<sup>5</sup>,
  - c) the labelling of the prepackage<sup>6</sup>.
- 1.3. The Directives specify the responsibilities of packers and importers (those bringing in prepackages from outside the EEA for the first time), and also the checks to be carried out by the competent department of the Member State.
- 1.4. The responsibilities of the Competent Departments<sup>7</sup> involved with implementing the Directives differ from country to country. Table 1 lists those organisations together with their responsibilities; the numbers referred to in column 3 of the table are defined in Table 2.
- 1.5. The areas of responsibility are defined as follows:

### Domestic legislation

In some countries the authority that issues the domestic laws is not the same as the authority that is responsible for implementing the laws in the country. In the "competence" table the difference is denoted by following letters: -

- a) issuing the domestic laws
- b) implementing the laws

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<sup>1</sup> A prepackage is the combination of a product and the individual package in which it is prepacked.

<sup>2</sup> Proportions of the stylised 'e' are in Appendix 1 of this document.

<sup>3</sup> A defective prepackage is one where the actual contents has a deficiency greater than the tolerable negative error specified in Annex 1, 2.4 of the Directives.

<sup>4</sup> This lower limit is where the actual contents are deficient by more than twice the tolerable negative error specified.

<sup>5</sup> Responsibilities for the packer and importer (into the EU) are defined in Annex 1, 4 of the Directives.

<sup>6</sup> The requirements are stated in Annex 1, 3 of the Directives.

<sup>7</sup> Responsibilities and powers of the Competent Departments are defined in Annex1, 5 & 6 of the Directives respectively.

### Permission to apply the 'e'-mark

In some countries it is not necessary to receive permission in order to apply the 'e'-mark, but in others it is required. Permission can be granted in various ways, for example by a letter of recognition or a certificate. In table 2 the following notations are applied to identify the different procedures in the various member states.

- a) It is not necessary to apply for permission but procedures are recognised at time of visit.
- b) The name and other information is noted by the authority. A document confirming the permission is not necessary.
- c) A letter of recognition is forwarded upon receipt of selected information.
- d) A certificate is issued upon receipt and approval of detailed information.

### Monitoring production of 'e'-marked prepackages

The monitoring of production, where required, (after the initial permission has been granted) differs in the various member states. All countries perform reference tests conforming to the directives, but countries have chosen different approaches to fulfil the requirements of the directives of verifying that production checks and corrections and adjustments have been properly and accurately carried out. In table 2 the notations listed below apply; some countries perform a combination of these activities.

- a) A full evaluation of the packers quality control system is performed.
- b) Reference tests are performed.
- c) other statistical checks on prepackages, checks on equipment and staff are performed.
- d) A market surveillance is performed to enable the authority to check both the packer's quantity control system and the country's own legal requirements.

### Legal sanctions

Depending on how the legislation is enforced, the organisation that specifies the type and size of a penalty is often not the same as the authority that enforces the legislation. Therefore the following notations apply in table 2.

- a) The organisation that specifies the type and size of a penalty.
- b) The authority that enforces the penalties.
- c) The organisation that takes steps to prevent further violations.

## **2. Communications**

- 2.1. Should a problem be found in one member state with 'e'-marked prepackages that have originated, or been imported into the EU, in another member state then the matter should be referred back to the originating country. A list of contact points is contained in Table 3.

2.2. It is the responsibility of the originating country to: -

- a) acknowledge receipt of the referral,
- b) to investigate the matter in a timely manner,
- c) to give a progress report every 4 weeks,
- d) to report back at the end the findings, and should a non-compliance have been found, confirm the corrective and preventative action that has been taken.

### 3. **Terms and Definitions**

3.1. The Directives only applies to packaged products where:

- a) the product is placed in the package not in the presence of the purchaser, and
- b) the quantity of product has a predetermined value, and
- c) the quantity in a package cannot be altered without the package either being opened or undergoing a perceptible modification, and
- d) the quantity of the product is expressed in weight or volume, and
- e) the quantity of product is within the range 5 g to 10 kg or 5 ml to 10 L.

3.2. To ensure consistency of interpretation and enforcement various specific terms have been identified and defined. These terms are listed, together with their equivalent terms in other languages, in WELMEC document 6.2. The equivalent terms are not necessarily exact translations as member states' domestic legislation use different terms for the same situations. The terms are defined in WELMEC document 6.1

### 4. **Legislation**

4.1. The European legislation relevant to prepackages are:

Directive 75/106/EEC, relating to volume of certain prepackaged liquids,  
Directive 75/107/EEC, relating to bottles used as measuring containers,  
Directive 75/324/EEC, relating to aerosol dispensers,  
Directive 76/211/EEC, relating to weight or volume of certain prepackaged products,  
Directive 80/232/EEC, relating to nominal quantities and capacities permitted for certain prepackaged products,  
Regulation 1274/91/EEC, relating to marketing standards for eggs,  
Regulation 1538/91/EEC, relating to marketing standards for poultry,  
Directive 2000/13/EU, relating to labelling, presentation and advertising of foodstuffs.

There are also other Regulations and Directives that require quantity statements to be labelled on prepackages.

4.2. At present the European Commission is intending to consolidate the provisions of 75/106/EEC, 76/211/EEC and 80/232/EEC. Only mandatory pack sizes for a few specified products are likely to remain.

- 4.3. There have also been some judgements relating to this legislation:
- 4.3.1. Case 120/78, 'Cassis de Dijon', the importation of alcoholic beverages lawfully produced and marketed in one Member State cannot be prohibited entry into another Member State.
- 4.3.2. Case C - 96/84, a packer who shows that he is operating checking procedures which ensures the quantity of the contents actually corresponds to their stated contents may invoke the provisions of the Directive and affix an e-marked, where the competent department does not want to recognise his procedures. Where a packer measures the quantity in each pack he is entitled to affix the 'e' mark without the need for authorisation.
- 4.3.3. Case C – 3/99, 'Cidrerie Ruwet', does not permit Member States to refuse the marketing on their territory of cider in volumes other than those set out in Annex III of Directive 75/106/EEC; such a refusal is a measure prohibited by Article 30 of the EC Treaty (now, after amendment, Article 28 EC Treaty) and is incompatible with Community law.
- 4.4. The relevant up-dated Directives can be found on the EUR-Lex web site at <http://europa.eu.int/eur-lex/en/consleg/index1.html>. This will give updated legislation and can be searched by various means.
- 4.5. The implementation of the Directives and Regulations into national legislation is the responsibility of the organisations shown in Table 1. Where the Member States legislation is available on the Internet the address is shown in Table 3.

## 5. WELMEC WG6 Publications

- 5.1. The list of publications produced or in draft form as at 30 November 2006 is:

Reference number	Title	Status
6.0	Introduction to WELMEC Documents on e-marked Prepackages	Published
6.1	Definition of Terms	Published
6.2	Translation of Terms	Published
6.3	Guidance for the Harmonised Implementation of Directive 76/211/EEC	Published
6.4	Guide for Packers and Importers of e-marked Prepackaged Products	Published
6.5	Guidance on Controls by Competent Departments	Published
6.6	Guide for the Recognition of Procedures	Published
6.7	Guide for Market Control of Prepackages	Published
6.8	Guide for the verification of Drained Weight etc	Published
6.9	Guide for the Uncertainty of Measurement of Goods	Draft

Those that have been published are available at <http://www.welmec.org/pubs.asp>.

- 5.2. 6.1 'Definitions of Terms' & 6.2 'Translations of Terms' catalogue in several languages the specific terms used in legal metrology for the purposes of controlling prepackages, and defines these terms.
- 5.3. 6.3 'Guidance for the harmonised implementation of Directive 76/211/EEC' outlines how each requirement of the Directives is met by each member state, and where possible provides best practice. It also lists other recommendations that are produced by International Organisation for Legal Metrology (OIML) where appropriate.
- 5.4. 6.4 'Guide for packers and importers of e-marked prepackaged products' has been produced for packers and importers, to guide them through the requirements of the directive, indicating ways in which they can comply with these requirements.
- 5.5. 6.5 'Guidance on Controls by Competent Departments' is written to assist Inspectors in interpreting and uniformly enforcing the provisions of the Directives. It gives in-depth statistical information on how suitable packing controls could be established for the various types of control in use.
- 5.6. 6.6 'Guide for the recognition of procedures' has been produced for those involved in assessing packers' procedures and gives best practice in carrying this out.
- 5.7. 6.7 'Guide for Market Control' has been written for those organisations involved with looking at prepackages that have been put on the market. It looks at ways of sampling, checking and statistically assessing the packing controls from the data.
- 5.8. 6.8 'Guide for the Verification for Drained Weights' has been produced to ensure that there are consistent requirements and methodology, throughout the EU, on verifying the drained weight required for certain product by Directive 2000/13/EU.
- 5.9. 6.9 'Guide for the Uncertainty of Measurement of Goods' is being specifically developed for Competent Departments to enable them to assess whether they have met the requirement in the Directive of ensuring that the measurement error does not exceed one-fifth of the tolerable negative error of the product being tested.
- 5.10. These documents also make reference to other relevant Directives and Regulations, as well as Recommendations produced by the (OIML).

## 6. **Prepackages Imported from outside the EEA**

- 6.1. The Directive permits importers of these products either to
  - carry out checks on prepackages, or
  - provide evidence that they are in possession of all the necessary guarantees to enable them to assume responsibility for compliance.



Guidance on the measuring and checking is given in document 6.4 Packers' and Importers' Guide. Some of the acceptable guarantees include:-

- a) Evidence from a competent department in a Member State,
- b) Evidence from an EEA accepted competent department in the exporting country,
- c) Records of checks carried out by a competent sub-contractor at the place of first entry into the EEA,
- d) To obtain records from the packer and to carry out checks to verify the data contained in them.

- 6.2. Other options may be appropriate and are dependent on national legislation, for further advice on this matter contact the relevant organisation in table 1.

## **7. OIML (International Organisation for Legal Metrology)**

- 7.1. This organisation has produced many recommendations relating to legal metrology. The ones relevant to the control of prepackages are:
- OIML R79 Labelling of prepackages,
  - OIML R87 Quantity of Product in Prepackages, and
  - OIML R98 Measuring Container Bottles.
- 7.2. Although it has been accepted by members of the World Trade Organisation (WTO) that prepackages complying with these recommendations should pass unhindered from one country to another, in Europe prepackages bearing the e-mark must comply with the relevant Directives. Therefore the guides mentioned above refer to these OIML Recommendations where appropriate.

**Table 1 Authorities and Competent Departments with their areas of responsibility in the field of control of e-marked prepackaged goods.**

Code/ Country	Name of Authority For the full address, phone and fax number of the Contact person, see table 3.	Responsibility	Are periodical checks performed?	Frequency of Inspectors visits. (Years)
AT/ Austria	Bundesministerium für Wirtschaft und Arbeit (BMWA)  Bundesamt für Eich- und Vermessungswesen  Verification offices  District Administrative Authority	1a  Contact person, 1b, 2a, 3d  3b, 3c, 4c  4a, 4b	Yes	1
BE/ Belgium	Service Public Fédéral Economie,PME, classes moyennes et Energie;Administration de la Qualité et de la Sécurité, Division Réglementation et politique de contrôle" Service Public Fédéral Economie,PME, classes moyennes et Energie;Administration de la Qualité et de la Sécurité, Division contrôle"	Contact person, 1b, 2b,  3b, 3c, 3d, 4b, 4c	Yes	2
BU / Bulgaria	Ministry of Economy  State Agency for Metrological and Technical Surveillance  (Directorate General "Metrological Supervision")	1a  1a, 1b, 2a, 3b, 3d, 4a, 4b, 4c  Contact person	Yes	> 1
CY/ Republic of Cyprus	Ministry of Commerce, Industry and Tourism  Weights and Measures Service	1, 4a  Contact person 2c, 3b, 3c, 4b, 4c  The system is under development.	No	1
CZ/ Czech Republic	Czech Office for Standards, Metrology and Testing  Czech Metrology Institute  Regional Verification Branches	1a, 1b, 4a, 4b  Contact person, 2d, 4c  3a, 3b, 3c	Yes	1
DK/ Denmark	The Danish Ministry of Economic and Business Affairs  The Danish Accreditation and Metrology Fund  FORCE Technology  Justice Authority	1a  Contact person, 1b, 3d, 4c  2c, 3a, 3b, 3c  4a, 4b	Yes	1

<b>Code/ Country</b>	<b>Name of Authority</b> For the full address, phone and fax number of the Contact person, see table 3.	<b>Responsibility</b>	<b>Are periodical checks performed?</b>	<b>Frequency of Inspectors visits. (Years)</b>
EE (EST) / Republic of Estonia	Ministry of Economic Affairs and Communications (MoEAC)  Technical Inspectorate of Estonia (TI) Accredited certification body  Accredited (competent) testing laboratory	1 2a  3c, 3d, 4a, 4b  3a  3b (when 3c or 3d gives negative result)	Yes	1
FI/ Finland	Ministry of Trade and Industry  TUKES (Safety Technology Authority)  Inspecta Oy  Local regional consumer authorities	1  3d, 4a, 4b, contact person  2d, 3b, 3c  3d	Yes	1
FR/ France	Sous Direction de la Metrologie  Direction Generale de la Consommation  Direction Regionale de l'Industrie et de la Recherche  Justice Authority	1  Contact person, 1, 3a, 4a 2b, 3a, 4a 4b	Yes	1
DE/ Germany	Bundesministerium für Wirtschaft und Technologie  16 Federal State Authorities including  Landesamt fuer Mess- und Eichwesen Berlin-Brandenburg	1a  1b, 2a, 3b, 3c, 3d, 4  Contact person,	Yes	1
GR/ Greece	Ministry of Development -General Secretary of Commerce –  Department of Metrology Local authorities Prefectural Departments of Commerce, Technical Inspection & Consumer Protection  Local administrative authorities Justice Authorities	Contact person, 1a, 2a, 4c  1b, 2a, 3b, 3c, 3d, 4b  4a, 4c	Yes	1 year
HU/ Hungary	Ministry of Economic and Transport Affairs,  Ministry of Agriculture and Regional Development  National Office of Measures	The system is under development – 1a, 1b.  3a, 3b, 3c, 4a, 4b, 4c  Contact person	Yes	1
IS/ Iceland	Ministry of Industry and Commerce  Neytendstofa	1a  1b, 2a, 3d, 4c Contact person, system is under development	No	No
IE/ Ireland	Department of Enterprise and Employment, Legal Metrology Service, National Standards Authority of Ireland	Contact person, 1, 4a,  2a, 2b, 3b, 3c, 4b, 4c, contact person	Yes	2-3 times a year

<b>Code/ Country</b>	<b>Name of Authority</b> For the full address, phone and fax number of the Contact person, see table 3.	<b>Responsibility</b>	<b>Are periodical checks performed?</b>	<b>Frequency of Inspectors visits. (Years)</b>
IT/ Italy	Ministero Industria e Commercio, Ufficio Centrale Metrico	Contact person, 1) 2a, 3, 4a, 4b	No	Random
LV/ Latvia	Ministry of Economic Consumer Rights Protection Centre	1a  Contact person, 1b, 2a, 3b, 3d, 4a, 4b, 4c	Yes	1-3 years, but for exported goods ~ 1yr.
LT/ Lithuania	State metrology service (VMT)  Market surveillance authority  Designated laboratories – metrology centres	Contact person, 1a, b, 2c  3d; 4a; b; c  3b	Yes	At least once a year
LU/ Luxemburg	Service de Metrologié	Contact person, 1, 2b, 3, 4a, 4b	Yes	1-3 plus random
MT/  Malta	Malta Standards Authority National Metrology Services	Contact person, 1a,1b,2b,3b,4a,4b,4c	No market surveillance	1
NL/ The Nether-lands	NMi-Certin B.V.  Ministry of Economic Affairs  COKZ (1)  Algemene Inspectiedienst's(3)  IGB's(13)	Contact person, 2d  1  3b, 3c, 3d, 4a, 4b (Type 1 products)  3b, 3c, 3d, 4a,4b (Type 2 products)  3b, 3c, 3d, 4a, 4b (Type 3 products)		2 times a year
NO/ Norway	Justervesenet  Ministry of Trade and Industry	Contact person, 2d, 3a, 3b, 3c, 3d, 4c 1	Yes	1
PL/ Poland	Ministry of Economy Central Office of Measures  Trade Inspection, Pharmaceutical Inspection, Agriculture and Food Quality Inspection	1a  Contact person, 1b, 2b, 2c, 3b, 4a, 4b  3b, 3d	Yes	1
PT/ Portugal	Director do Servico de Metroligia - Instituto Português da Qualidade 5 regional Directorates	Contact person, 1, 2b  3b, 3c, 3d, 4a, 4b	Yes	1
RO/ Romania	Ministry of Industry and Resources (presently under the new denomination: Ministry of Economy and Trade)  Romanian Bureau for Legal Metrology – Department for Inspection and Market Surveillance  Romanian Bureau of Legal Metrology – Regional Offices of Legal Metrology	1a, 4a,  Contact person  2a, 2b, 3b, 3c, 3d, 4b	Yes	-Once or twice per year

<b>Code/ Country</b>	<b>Name of Authority</b> For the full address, phone and fax number of the Contact person, see table 3.	<b>Responsibility</b>	<b>Are periodical checks performed?</b>	<b>Frequency of Inspectors visits. (Years)</b>
SK/ Slovak Republic	Slovak Office of Standards, Metrology and Testing  Slovak Metrological Inspectorate  Slovak Trade Inspection	Contact person, 1, 2d  3b, 3c, 3d, 4  3d	Yes	1
SI/Slovenia	Ministry of Education, Science and Sport  Ministry of Education, Science and Sport, Metrology Institute (MIRS)	1a  Contact person, 1b, 2b*, 3, 4	Yes	~1
ES/ Spain	Comunidades Autónomas Centro Español de Metrología	1a, 4a, 4b Contact person, 1b, 2a, 2b, 3b, 3c	Yes	<1
SE/ Sweden	Swedish Board for Accreditation & Conformity Assessment (SWEDAC)  National Food Administration. Swedish National Testing and Research Institute- .(SP)	Contact person, 1, 3d, 4a, 4c for non-food products 3c, 3d, 4a) and 4c) for food products 2d, 3a, 3b, 3c	Yes	1
CH/ Swit-zerland	Federal Office of Metrology METAS  Verification offices  Cantonal authorities for metrology	Contact person, 1, 2a, 2c,   3b, 3d, 4c  4a, 4b	yes	1
GB/ United Kingdom	Department of Trade and Industry  LACORS  204 Local Weights & Measures Authorities	1, 4a (for max. penalty)  Contact person  2a, 3, 4b, 4c	Yes	Dependent upon risk, but typically for exported goods 1 year

Associate Members				
HR / Republic of Croatia	State Office for Metrology (DZM)	Contact person, 1a, 1b, 2b, 3b, 3d, 4a, 4b.	Yes	1
TU / Turkey	Ministry of Industry and Trade, DG for Measurement and Standards.  MIT-DG for Measurement and Standards with 81 provincial offices of the MIT, the court authority	1a, 1b, 2a, 3b, 3c, 3d  4a, 4b, 4c	Yes	1

Numbers in the column 'Responsibility' in the above Table refer to the responsibilities defined in Table 2. These activities are further explained in paragraph 1.5 above.

**Table 2            Definitions of authorities' responsibilities**

These refer to the numbers and letters used in column 3 of Table 1 above.

1. Responsibility for transposing the requirements of the directives into domestic legislation (a, b)	a) issuing
	b) implementation
2. Responsibility for giving the initial permission, degree of permission before packing can be started (a, b, c, d)	a) no permission necessary
	b) name and information is noted
	c) letter of recognition
	d) certificate is issued
3. Responsibility for monitoring of production, including periodical control, degree of control (a, b, c, d)	a) evaluation of total quality control system
	b) reference tests
	c) spot checks in quantity control system
	d) market surveillance
4. Responsibility for legal action in the case of violation of the domestic laws (a, b, c)	a) setting penalties
	b) enforcing penalties
	c) take precautions to prevent further violations
Contact person: The contact person has the responsibility of referring any enquiries from another country on the subject of control of e-marked prepackaged goods to the correct authority. Their details are found in the following Table.	

**TABLE 3 - Contact person's details EU countries**

Code Country	Contact person Name	Address	Phone number	Fax number	e-mail and Internet address for legislation
AT/ Austria	Bundesamt für Eich- und Vermessungswesen att.: Ludwig Turnwald	Gruppe A, Schiffamtsgasse 1-3 A-1025 Wien	+43-1 21176 3700	+43-1 21176 3623	<a href="mailto:ludwig.turnwald@bev.gv.at">mailto:ludwig.turnwald@bev.gv.at</a>
BE/ Belgium	Service Public Fédéral Economie,PME, classes moyennes et Energie;Administration de la Qualité et de la Sécurité, Division Réglementation et politique de contrôle att :Mr Jean-Marie PONCIN	Bld. du Roi Albert II 16, B-1000 Brussel	+32 2 277 71 70	+32 2 277 54 02	<a href="mailto:Jean-Marie@economie.fgov.be">mailto: Jean-Marie@economie.fgov.be</a> <a href="http://www.economie.fgov.be">http://www.economie.fgov.be</a>
Bulgaria	State Agency for Metrological and Technical Surveillance – Directorate General “Metrological supervision”, Regional Department – Sofia Mrs. Milena Buchaklieva	21, 6 th September Street.;  1000 Sofia	+359 2 987 87 04	+359 2 987 36 11	<a href="mailto:mesurv@mail.orbitel.bg">mesurv@mail.orbitel.bg</a>
CY/  Cyprus	Weights and Measures Service  att.: Mr. Ntinios Hadjiconstantinou	6, A. Araouzou Str. 1421 Lefkosia	+357 22 40 93 12	+357 22 75 41 03	<a href="mailto:nhadjiconstantinou@mcit.gov.cy">nhadjiconstantinou@mcit.gov.cy</a>
CZ /Czech Republic	Czech Metrological Institute Att.: Mr. Ivan Kriz	Okruzni 31 63800 Brno Czech Republic	+420 545 555 230	+420 545 555 183	<a href="mailto:Ivan.Kriz@cmi.cz">mail to: Ivan Kriz</a> <a href="mailto:info@cmi.cz">mailto:info@cmi.cz</a> <a href="http://www.cmi.cz/">http://www.cmi.cz/</a>
DK/ Denmark	Den Danske Akkrediterings-og Metrologifond att.: Keld Palner Jacobsen	Dyregårdsvej 5 B 2740 Skovlunde Denmark	+45-77 33 9572	+45-77 33 9501	<a href="mailto:kpj@danak.dk">mailto:kpj@danak.dk</a>
EE (EST) Republic of Estonia	MoEAC (on matters of legislation) Att.: Mrs Ingrid Tavits Technical Inspectorate (competent department) Att.: Mrs Aili Võrk	Harju 11 15072 Tallinn ESTONIA  Aru 10/Auna 6 10317 Tallinn ESTONIA	+372 6256 389  +372 6949431	+372 6313 660  +372 6949410	<a href="mailto:Ingrid.Tavits@mkm.ee">Ingrid.Tavits@mkm.ee</a>  <a href="mailto:Aili.Vork@tji.ee">Aili.Vork@tji.ee</a>
FI/ Finland	TUKES att.: Sari Hemminki	PO Box 123 Lönnrotinkatu 37 00181 Helsinki	+358 10 6052 244	+358 10 6052 590	<a href="mailto:sari.hemminki@tukes.fi">mailto:sari.hemminki@tukes.fi</a>
FR/ France	Direction Generale de la Consommation att.: Mr. Alain Duran	Bureau C3, 59 Bd Vincent Auriol, 75703 Paris CEDEX	+33 1 44 97 32 31	+33 1 44 97 30 43	<a href="mailto:alain.duran@dgccrf.finances.gouv.fr">'alain.duran@dgccrf.finances.gouv.fr'</a>

Code Country	Contact person Name	Address	Phone number	Fax number	e-mail and Internet address for legislation
DE/ Germany	Landesamt fuer Mess- und Eichwesen Berlin- Brandenburg att.: Dr. A. Liebegall	Lentzeallee 100, D-14195 Berlin	+49-30 90 259 625	+49-30 90 259 619	<a href="mailto:liebegall@lme.verwa.lt-berlin.de">liebegall@lme.verwa lt-berlin.de</a>  <a href="http://www.eichamt.de/">http://www.eichamt.d e/</a>
GR/ Greece	Ministry of Development - General Secretary of Commerce – Department of Metrology,  att.: Evi. Makatsori	Canning Square, 10181 Athens	+302103893256	+302103301789	<a href="mailto:prepack@gge.gr">prepack@gge.gr</a>
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## APPENDIX 1

Proportions of the stylised 'e'

