



**COUNCIL OF
THE EUROPEAN UNION**

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COVER NOTE

From: Secretary-General of the European Commission,
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 14 March 2014

To: Mr Uwe CORSEPIUS, Secretary-General of the Council of the European
Union

No. Cion doc.: C(2014) 1633 final

Subject: Commission Delegated Directive ../../EU of 13.3.2014 amending, for the
purposes of adapting to technical progress, Annex IV to Directive
2011/65/EU of the European Parliament and of the Council as regards an
exemption for mercury in cold cathode fluorescent lamps (CCFLs) for back-
lighting liquid crystal displays, not exceeding 5 mg per lamp, used in
industrial monitoring and control instruments placed on the market before
22 July 2017

Delegations will find attached document C(2014) 1633 final.

Encl.: C(2014) 1633 final



Brussels, 13.3.2014
C(2014) 1633 final

COMMISSION DELEGATED DIRECTIVE/.../EU

of 13.3.2014

amending, for the purposes of adapting to technical progress, Annex IV to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for mercury in cold cathode fluorescent lamps (CCFLs) for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017.

(Text with EEA relevance)

EXPLANATORY MEMORANDUM

1. CONTEXT OF THE DELEGATED ACT

Subject: Commission Delegated Directive amending, for the purposes of adapting to technical progress, Annex IV of the Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for applications containing mercury.

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 (RoHS 2) restricts the use of certain hazardous substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers) in electrical and electronic equipment. RoHS 2 (recast) entered into force on 21 July 2011.

RoHS 2 Annexes III and IV list exemptions of materials and components from the RoHS 2 substance restrictions. Article 5 provides for the adaptation (inclusion and deletion of exemptions) of the Annexes to scientific and technical progress. Pursuant to Article 5, exemptions shall be included in Annexes III and IV, provided that such inclusion does not weaken the environmental and health protection afforded by Regulation (EC) No 1907/2006 and where any of the following conditions is fulfilled: their elimination or substitution via design changes or materials and components which do not require any of the materials or substances listed in Annex II is scientifically or technically impracticable; the reliability of substitutes is not ensured; or the total negative environmental, health and consumer safety impacts caused by substitution are likely to outweigh the total environmental, health and consumer safety benefits thereof.

RoHS 2 Article 5 establishes a procedure for the adaptation of the Annexes to scientific and technical progress. RoHS 2 Article 5(1)(a) provides that the Commission shall include materials and components of EEE for specific applications in the lists in Annexes III and IV by means of individual delegated acts.

2. CONSULTATIONS PRIOR TO THE ADOPTION OF THE ACT

In line with the provisions for granting, renewing or revoking an exemption, which allow stakeholders to apply for an exemption from the substance restrictions (Article 5(3)), the Commission has received more than 40 requests for new exemptions since the publication of RoHS 2. With a view to the evaluation of the requested exemptions, the Commission commissioned a study and carried out the requisite technical and scientific assessment including an official stakeholder consultation.¹ The final study is available on the consultants' webpage; stakeholders and Member States were notified.² The project page is accessible via the DG Environment webpage.

Subsequently, the Commission consulted the official expert group for delegated acts under RoHS 2. A meeting with consultants and experts was held on 28 June 2013, a consolidated recommendation with all necessary background information was sent out on 20 September

¹ The consultation list is regularly updated and maintained by the consultants in cooperation with the Commission, and includes electronics related industry organisations, manufacturers and suppliers, recyclers, consumer associations, NGOs, academia, Member States' representatives, etc.

² http://rohs.exemptions.oeko.info/fileadmin/user_upload/RoHS_VIII/RoHS2_Pack3_Final_Report.pdf
(pages 90-106).

2013 and experts were invited to comment on the proposal by 15 November 2013. The expert group unanimously supported the proposal. Only one expert commented on a technical detail. All necessary steps pursuant to Article 5(3) to (7) have been performed. Council and Parliament were notified of all activities.

Technical background information (for further information see footnote 2):

Industrial monitoring and control instruments (IMCIs) will have to comply with the RoHS limit values from 22 July 2017. Many IMCIs are equipped with back-lighting liquid crystal displays (LCD) that require the use of cold cathode fluorescent lamps (CCFLs) with 5mg mercury. Replacing the lamps for these displays with mercury-free or low-mercury substitutes is technically impracticable, as it would require technical adaptations and might even lead to malfunction. The continued use of these lamps for prolonging the life of devices placed on the market prior to their RoHS compliance date (22 July 2017) is in line with Article 5(1)(a) 3rd indent, as the total negative environmental, health and consumer safety impacts caused by substitution are likely to outweigh the total environmental, health and consumer safety benefits thereof. Whereas health and consumer safety impacts are neutral, environmental impacts support an exemption from the substance restriction in order to avoid unnecessary waste production and the ecological footprint of the production of new displays and equipment.

To enable the repair and prolong the service life of IMCIs, an exemption from the restriction of mercury in CCFLs for back-lighting LCDs in IMCIs should be granted. In accordance with the repair-as-produced principle of Article 4(4), the exemption should be granted with the maximum validity period pursuant to Article 5(2) from the specific Article 4(3) compliance date, which is until 21 July 2024. As the exemption only applies to products that already use this type of lamps and these products may only be placed on the market until 21 July 2017, it is unlikely that an exemption will have adverse impacts on innovation.

The specific exemption does not weaken the environmental and health protection afforded by Regulation (EC) No 1907/2006 (REACH).

3. LEGAL ELEMENTS OF THE DELEGATED ACT

The proposed act grants an exemption from the substance restrictions in Annex II of Directive 2011/65/EU (RoHS 2), to be listed in Annex IV, for the use of mercury in specific applications.

The proposed instrument is a delegated directive.

The draft delegated directive implements Directive 2011/65/EU, and in particular Article 5(1)(a) thereof.

The objective of the proposed act is to ensure legal certainty and sustainable market conditions for electronic manufacturers, by allowing specific applications of otherwise banned substances in line with the provisions of RoHS 2 and the therein established procedure for the adaption of the Annexes to scientific and technical progress.

In accordance with the principle of proportionality, the measure does not go beyond what is necessary to achieve its objective.

The proposal has no implications for the EU budget.

COMMISSION DELEGATED DIRECTIVE ../../EU

of 13.3.2014

amending, for the purposes of adapting to technical progress, Annex IV to Directive 2011/65/EU of the European Parliament and of the Council as regards an exemption for mercury in cold cathode fluorescent lamps (CCFLs) for back-lighting liquid crystal displays, not exceeding 5 mg per lamp, used in industrial monitoring and control instruments placed on the market before 22 July 2017.

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment,³ and in particular Article 5(1)(a) thereof,

Whereas:

- (1) Directive 2011/65/EU prohibits the use of mercury in electrical and electronic equipment placed on the market.
- (2) Many industrial monitoring and control instruments (IMCIs) are equipped with back-lighting liquid crystal displays that require the use of cold cathode fluorescent lamps (CCFLs) with 5mg mercury. The total negative environmental, health and consumer safety impacts caused by substitution of mercury containing CCFLs in industrial monitoring and control instruments are likely to outweigh the total environmental, health and consumer safety benefits thereof.
- (3) To enable the repair and prolong the service life of products, an exemption from the restriction of mercury in CCFLs for back-lighting liquid crystal displays in IMCIs should be granted. In accordance with the repair-as-produced principle, the exemption should apply to all products placed on the market before 22 July 2017, which is the compliance date for IMCIs, and the validity period of the exemption should be 7 years from that date. It is unlikely that the exemption will have adverse impacts on innovation.
- (4) Directive 2011/65/EU should therefore be amended accordingly,

³ OJ L 174, 1.7.2011, p. 88.

HAS ADOPTED THIS DIRECTIVE:

Article 1

Annex IV to Directive 2011/65/EU is amended as set out in the Annex to this Directive.

Article 2

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by the last day of the sixth month after entry into force at the latest. They shall forthwith communicate to the Commission the text of those provisions.

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field covered by this Directive.

Article 3

This Directive shall enter into force on the twentieth day following that of its publication in the Official Journal of the European Union.

Article 4

This Directive is addressed to the Member States.

Done at Brussels, 13.3.2014

*For the Commission
The President
José Manuel BARROSO*