

**Profit from our competence.**

We offer:

- Evaluation of the manufacturer's documentation
- Product testing / Analysis
- Product testing / Analysis incl. Conformity surveillance
- Assessment according to the IECQ procedure
- Assessment of your Environmental Management System EMS
- Product assessment report for the recycling capability according to the WEEE directive

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[www.vde.com](http://www.vde.com)

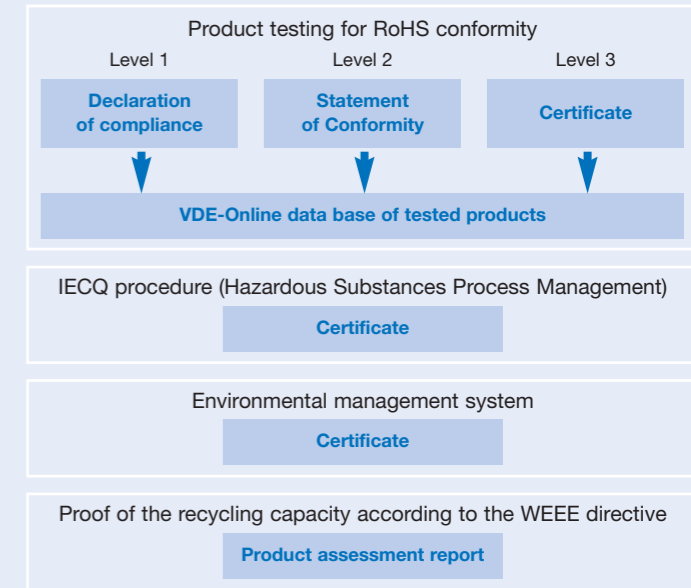
## RoHS Conformity

Banned substances  
in electrical engineering

VDE IS 541E:1007 Stelian Mumpfer – graphic works – FFM



## Our offer at a glance



## VDE online data base improves your market access

The products conforming to RoHS will be listed on our website [www.vde.com/certificate](http://www.vde.com/certificate). The conformity to RoHS is a vital element for the selection of products. Therefore, please accept our offer for RoHS assessment of products and registration on the internet portal and use the information platform of the VDE Institute, which is well known within the electrotechnology community.

## RoHS Conformity

With the directive 2002/95/EC of 27<sup>th</sup> January 2003 for the restriction of the use of certain substances in electrical and electronic equipment (RoHS), substance bans came into effect as of 1 July 2006 for electrical and electronic equipment newly put on the market.

In the whole of Europe (in Germany through the Electrical and Electronic Equipment Act), it is legally prohibited to put on the market equipment and the components used therein if they contain certain substances.

### What products are affected?

- Household appliances
- Consumer electronics equipment
- Information technology equipment
- Lighting products
- Power tools
- Toys, leisure and sports equipment
- Automatic machines

Which substances will be banned from 1<sup>st</sup> July 2006, or may only be used to a restricted extent in electrical and electronic equipment?

- Lead
- Cadmium
- Mercury
- Hexavalent chromium
- Two types of brominated flame protecting agents (PBB and PBDE)

## Evaluation of products and processes within the supply chain

Analytic procedures give information, whether the material contains substances that have been prohibited by the authorities. These test results are used in the supply chain in combination with the manufacturers' declaration and quality assurance agreements as evidence of the RoHS conformity of the electric and electronic appliance. The analytic process of homogeneous material comprises of:

- Cost efficient and timely examination of the existence of regulated substances via screening methods.
- Exact quantitative analysis via specific procedures in case of positive results of the screening method.

## We offer

We offer the integrated and reliable evaluation of RoHS conformity within the frame of the product testing and certification as well as the assessment of the management processes. This also provides a substantial contribution to more legal certainty, and improves your market access. Please use the following possibilities:

### Evaluation of the manufacturers' documentation (Level 1)

Verification of the records for RoHS conformity within the supply chain (i.e. manufacturers' declaration, quality assurance agreements, analytic results, terms and conditions) and the issue of a final declaration of compliance.

### Product testing / Analysis (Level 2)

Analysis of components and equipment with annual conformity monitoring and issue of a Statement of Conformity for your product.

### Product testing / Analysis with conformity surveillance (Level 3)

Analysis of components and appliances with annual conformity surveillance and the issuing of a RoHS Certificate for your product with the use of the VDE RoHS label.

### Assessment according to the IECQ procedure (Hazardous Substance Process Management)

We assess the management processes concerning the RoHS conformity according to IECQ regulations. If the requirements are met, we confirm that the respective company has developed and implemented a process management system for the avoidance of hazardous materials for the products produced or introduced into the market.

### Environmental management system (EMS)

We can appraise your company processes and verify your documentation on RoHS conformity. What does the system offer?

- Appraisal of the product design and construction with respect to possible recycling or forbidden substances following ISO TR 14062 – Guideline for Integrating Environmental Aspects into Product Design and Development
- Environmental development, manufacture and distribution of products through assessment of quality and environmental management systems in accordance with ISO 9001 and ISO 14001

## An additional PLUS! for you

Product assessment report for recycling capacity (WEEE)

In addition to our services for the RoHS conformity we also offer the possibility of the examination of your products resulting in a product assessment report as proof of the recycling capacity according to the WEEE directive (Waste Electrical and Electronic Equipment), which also has been implemented in the Electrical and Electronic Equipment Act (abbreviated as ElektroG) for Germany and which came into force on the 24<sup>th</sup> of March 2006.

Your contact for:

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### Environmental management systems (EMS) and the evaluation of RoHS Conformity in accordance with the IECQ Procedure

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