

## 6253 Understanding and implementing RoHS

### Objective

Statutory directives and regulations place high demands on compliance. You will learn about the background and objectives of the RoHS Directive and which operating areas are affected by it. You know the scope of the directive and which substances are affected and are able to check your suppliers' electrical and electronic components for compliance with the current exemptions. You are able to apply the directive in your daily work and implement it in your company. In addition, you are in a position to check for RoHS compliance by means of screenings and further analysis procedures and thus provide proof of RoHS compliance.

### Content

- ☐ Overview of the directive, background and objectives
  - Differentiation RoHS from ELV and REACH
  - Objectives of RoHS
  - EU Directive 2002/95/EC ("RoHS 1", from 2003) and EU Directive 2011/65/EU ("RoHS 2", 2013 and "RoHS 3" 2017)
  - Basic substances and limit values: Pb, Hg, Cd, Cr (VI), PBB, PBDE and plasticizers as of 2019
  - Does my product fall under RoHS (and what are the consequences)?
- ☐ CE symbol and EU declaration of conformity
  - The CE symbol
  - The EU Declaration of Conformity
- ☐ Challenges for implementation and approved exemptions
  - Defective solder joints in safety-relevant areas
  - List of approved exemptions with limited validity
  - Overlap between RoHS exemptions and ELV Annex II
- ☐ Proof of RoHS conformity
  - Screening by means of X-ray fluorescence analysis
  - Evaluation
  - Analyses (ICP-OES, ICP-MS,...) by certified laboratories
  - Documenting the results according to DIN EN 50581
- ☐ Implementing RoHS in your company
  - Requesting and checking proof from your suppliers
  - Performing your own analyses in case of doubts / risk materials
  - Creating declarations for products / product lines
  - Communicating with your customer
- ☐ RoHS-like legislation worldwide

### Training method

Presentation with hands-on exercises

### Target group

Environmental Officers, Product Safety Officers, Purchasing, Quality Management Officers

### Prerequisites

Basic knowledge of materials

### Training durations

360 minutes = 6 hours (plus breaks)

**Maximum number of participants: 14**

### Certificate

As a participant in our training course you will receive a personal certificate with which you can prove your RoHS qualification.

### Training documentation

You receive your personal copy of the presentation used in our training.

### Public training courses

Current fees and dates can be found on our website [www.imds-professional.com](http://www.imds-professional.com)

### Exclusive training

You can also book this training exclusively. In this case, we charge a daily fee. Your advantage: You set the time, the place, and the number of participants. If preferred, we also take over the whole organisation.

Please request your personal offer:

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