

Environmental Compliance Content Services



The Source

for Critical Information and Insight™

**Professional sourcing and services for
compliance and related information**

Protect Brand/Drive competitive advantage
Comply with RoHS environmental regulations

Governments around the world are issuing directives to protect the environment. Europe is leading the way with the WEEE and RoHS (Waste Electronic and Electrical Equipment and Restriction of Hazardous Substances) directives. WEEE mandates product recycling and hazardous substance reporting; RoHS restricts the use of 6 specific substances/classes of substances: lead, mercury, cadmium, hexavalent chromium and the Brominated flame retardants PBBs and PBDEs. Other countries, states and regions are developing their own legislation.

IHS provides services to mitigate risks associated with environmental regulations. Specifically, IHS provides RoHS compliance information on your parts, proactively identifies supply chain issues and replacement parts, provides manufacturing information for electronic parts and provides detailed information for assuring your compliance information is accurate for preparing compliance reports.

Mitigate Risk and Gain a Competitive Advantage

IHS compliance services provide the knowledge, experienced resources and proven standardized processes to provide critical compliance and associated information to enable your compliance program.

Document and Substantiate Compliance

If your products aren't RoHS compliant you risk your company's ability to sell in all 25 EU countries and may incur penalties in each of the countries.

- IHS provides overall RoHS compliance on materials and components. It includes applicable exemptions, maximum concentration levels and total weight for the six RoHS substances. This information enables you to identify compliant parts and create finished product material declarations for your clients and recycling agencies. It provides substantiating information to back-up your compliance status.

Mitigate Supply Chain Inventory Risk

Companies are increasingly exposed to inventory risks due to the disruptive nature of environmental regulations. The risk and costs associated with excess and obsolete (E&O) inventory for materials, purchased parts and finished product can be substantial.

The demand signals for traditional parts versus new complaint parts are causing dramatic fluctuations in the supply chain. Part obsolescence — already a modern plague — is accelerating and causing product planning issues, last time buy analysis, replacement part research and massive new part introductions. Even aerospace, defense, medical products, test and other industries exempt from the regulations are affected by these supply chain disruptions.

- IHS provides compliance, obsolescence (years to end of life) and compliant replacement part information – armed with this information, engineering, procurement and management can perform obsolescence analysis, make good decisions on end-of-life (EOL) purchases and identify critical replacement parts.
- Exempt industries are alerted to parts going end of life and can use the information to make life-of-type (LOT) purchases. Associated and important technical information such as terminal finish, JESD-97 Pb-freecode, Tin Whisker Mitigation Strategy is included and important in the decision process.

Ensure Manufacturing Compatibility

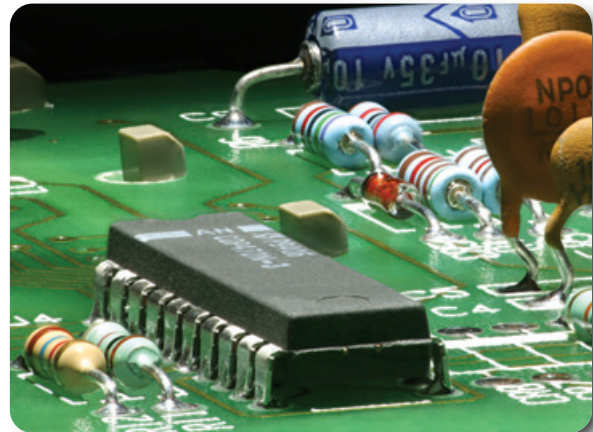
New electronic compliant parts have different manufacturing requirements. Not understanding these changes cause manufacturing and reliability problems.

- IHS provides detailed manufacturing and reliability information on electronic components to determine is a part is compatible with Pb-free soldering processes including: maximum processing temperatures and time; Moisture Sensitivity Levels (MSL) at those temperatures, alternate maximum processing temperatures (including time and MSL) and terminal finish information to ensure backward compatibility with traditional Pb-based (lower temperature) processes.

Prepare for Other Environmental Regulations

Environmental regulations continue to evolve and new regulations are being introduced or are under development in many regions around the world. Expect this trend to continue.

- IHS tracks hazardous substances identified in the Joint Industry Guide—a material declaration guide created by EIA1 and JGPSSI2—all well known industry groups. Substances in the JIG are grouped into levels A or B depending whether they are part of an existing or developing regulation or have been identified as a hazardous substance. With access to this dynamic information, companies can ensure their products use the most environmentally-safe material and parts, ensure compliance with developing regulations, and substantiate their claims.



Verification Services

If you are unable to obtain compliance information on purchased parts and materials, you may want to improve your confidence factor with verification services.

- IHS has teamed with Underwriter's Laboratories (UL[®]) to provide verification services. UL[®] is a well known and respected author of test procedure standards and provider of certification and testing services. These verification services include working with clients to analyze their suppliers, parts and materials to determine compliance risk. Based on those findings and clients acceptable risk profile a program of part verification and supplier surveillance is executed. Results are then provided for use in the customer's target system.

Reporting

Industry analysts expect the regulatory branches of the 25 European countries to require substantiating information when they suspect a compliance offense. Many companies are assuring environmental compliance preparedness by incorporating report development as a requirement in the product development process.

- IHS is critical in providing the detailed and substantiating information needed for this type of report. Furthermore, IHS is a third party that uses an ISO9001 certified process to ensure accuracy. IHS provides the date the information was sourced and optionally can provide a detailed audit trail.



UK
t: +44 (0) 1344 328000
e: marketing@ihsti.com
w: uk.ihs.com

Southern Europe
t: +33 (0)1 44 50 54 33
e: info@ihsfrance.com
w: www.ihsfrance.com

Northern Europe
& CIS Countries
t: +45 39402244
e: info@ihsnecis.com
w: www.ihsnecis.com

Germany
t: +49 (0) 89 8952690
e: mail@ihs.de
w: germany.ihs.com

SNV Shop Switzerland
t: +41-(0) 52 2245454
e: info@snv.ch
w: www.ihs.com

IHS Inc.
t: 1-800-525-7052
w: www.ihs.com

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