

Environmental Compliance Content Services



The Source

for Critical Information and Insight™

Information services to drive engineering catalogs and BOM compliance analysis and reporting

Environmental Regulation Challenges for Electronic Manufacturers

Governments around the world are passing environmental regulations that will restrict the use of hazardous substances and mandate recycling. The European Union (EU) is leading the way with the Restriction of Hazardous Substances (RoHS) and Waste Electronic and Electrical Equipment (WEEE) directives. China and other countries are developing similar regulations, but often with important differences.

Manufacturers of electronic systems are now challenged to build products that comply with these current and future laws. Failure to do so can lead to loss of revenue, adverse publicity and damage to brand, criminal violations, penalties and legal expenses.

Addressing these regulations with a thorough, focused plan can build competitive advantage, improve sales, and reduce excess and obsolete inventories.

The IHS Compliance Solution

IHS services mitigate risks associated with environmental regulations by providing critical information to drive compliance workflows to:

- Ensure use of RoHS compliant parts
- Identify supply chain sourcing issues and provide compliant replacement parts
- Ensure manufacturing compatibility
- Enable accurate compliance analysis and reporting.

IHS Environmental Compliance Content Services complements the use of the IHS Electronics Database which today contains compliance information for tens of millions of electronic parts.

With the large number of regulations being introduced and modified it is critical to stay on top of them and collect compliance and related information on the parts you plan to use. IHS content services are designed to collect the appropriate information you need to ensure your products compliance.

Sampling of Environmental Regulations

European Union RoHS

July 2006

China RoHS (Article 11)

March 2007

California RoHS (HSC 252.14.10)

January 2007

Japan JIS C 0950

July 2006

South Korea RoHS

July 2007

For a summary of regulations, go to electronics.ihs.com to download the IHS white paper: **Strategies for Ensuring Environmental Compliance: Information Sourcing, Physical Verification, Screening and Compliance Process Certification**

IHS Compliance Services Value

Mitigate Inventory Risks / Manage Supply Chain

- Avoid excess or obsolete inventory by identifying non-compliant components
- Avoid production delays by anticipating supply chain disruptions
- Identify compliant replacement parts
- If your products are outside the scope of RoHS, identify non-compliant parts that are being discontinued so you can consider life-of-type buys to satisfy production requirements

- Be alerted to parts that manufacturers convert to compliant equivalent parts but don't change part numbers

Avoid Penalties for Non-Compliance

- IHS content services provide the information necessary to design and build compliant products for every target market

Gain Competitive Advantage

- Building products that are consistently compliant leads to increased sales and market share

Ensure Manufacturing Compatibility

- Maintain reliability standards by selecting components that are compatible with higher temperature lead-free manufacturing processes

Report and Substantiate Compliance Claims

- Substantiate compliance claims and create material declarations for customers, regulatory and recycling agencies using detailed information
- Optionally provide audit trail detailing how IHS collected the information

Verify Supplier Compliance Claims

- IHS partners with Underwriters Laboratories, Inc.[®] to provide verification services for materials and components, supplier risk analysis and supplier surveillance programs

Prepare for Emerging Environmental Regulations

IHS compliance services address the substances identified in current and pending legislation in the joint Industry Guide materials declaration created by EIA¹ and JGPSSI². To keep up with compliance and reporting requirements, IHS content services will be expanded as regulations continue to evolve.

Experienced Staff and Proven Processes

IHS' experienced engineers and project managers use advanced tools and ISO 9001 Certified processes to quickly source, organize, and deliver compliance content.

Compliance information, detailed substance data, and documentation are sourced directly from the component manufacturer, websites and datasheets. IHS data engineers extract hazardous substance and related information, standardize the information by attribute name, value and unit of measure, and format the information for loading into our client's enterprise applications and reporting systems.

Content developed by IHS is application agnostic and easily integrated into Product Lifecycle Management (PLM), Part Data Management (PDM), Compliance Assurance Systems, BOM analysis tools, or ERP applications.

Experience That Assures Success

IHS is the leading developer of information resources with more than 45 years experience. Using qualified component engineers and ISO-certified processes, IHS is the ideal partner for providing the compliance information your organization requires.

1. EIA: Electronics Industry Association

2. JGPSSI: Japan Green Procurement Survey Standardization Initiative

IHS Environmental Information Attribute Groups

RoHS Compliance
Manufacturing Parameters
Hazardous Substance Concentration and Weight
Component Life Cycle
Compliant Replacements
Certificates of Compliance
Cited Exemptions



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For more information on IHS Inc.:

Worldwide +1 303 397 2896

U.S. 800 716 3447

Web: www.ihs.com