



# NEDA PUBLICATION

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## **Distributor's Position Paper on Lead Free Product Transition and RoHS Compliance Updated**

*An Industry Position Paper*

**November 2006**

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**NATIONAL ELECTRONIC DISTRIBUTORS ASSOCIATION**  
[www.nedassoc.org](http://www.nedassoc.org)



## **Distributor's Position Paper on Lead Free Product Transition and RoHS Compliance Updated**

With the growing worldwide demand to control hazardous materials in electronic products, supply chain members have a compelling need for standards to clearly identify compliant product and to provide transition information, product labeling, and detailed materials content information.

The stakes are high after the July 1<sup>st</sup> deadline for RoHS compliance on products sold in Europe...and by similar emerging legislation in China, Korea, and elsewhere. Penalties include fines, product recalls, production line stoppages, investigation and testing costs, litigation costs, rework costs, re-engineering costs, lawsuits amongst supply chain partners and market share losses. An industry that has already had to absorb the costs of compliance preparation over the last several years will now face the costs of nonconformance where businesses have not sufficiently prepared to meet the requirements.

The National Electronic Distributors Association (NEDA) has worked diligently with supply chain members, including distributors, component manufacturers, and other industry groups such as NEMI, IPC, and JEDEC, to develop standards to support the needs of the entire supply chain.

More than two years ago, NEDA developed and released the Lead Free Product Transition/RoHS Compliance Information Worksheet to provide a common format for the exchange of data to identify new lead free (Pb) part numbers, Pb free product transition schedules, labeling methods, termination finish codes, solder profile information, and RoHS compliance information. At the same time, a NEDA position paper was issued to emphasize the importance of changing part numbers to identify components that had termination composition changes and to allow for reliable inventory management and ordering. Senior managers from many of the largest distributors in the world endorsed the NEDA position paper.

In 2005 JEDEC released the JESD 97 standard to define component marking and labeling requirements for Pb-free components....and for products with Pb-free second level interconnects. The standard also provided data to identify termination finish materials and maximum temperatures for soldering processes. This is essential information for planning product designs and production processes. NEDA distributor members fully support the use of this labeling by component manufacturers and understand the distributor's own obligation to maintain this labeling on any product repackaged by distributors.

More recently the IPC has released the IPC 175x standards (IPC 1751 Generic Requirements for Declaration Process Management, IPC 1752 Materials Declaration Management, and IPC 1752-3 Users Guide for Materials Declaration Forms) for Material Declaration. This standard provides a format for requesting and reporting RoHS



compliance, exemption details, and several levels of materials content disclosure. This standard was developed by a broad group of supply chain members including component manufacturers, distributors, contract manufacturers and OEMs. NEDA fully endorses the IPC 1752 Material Composition Declaration reporting standard and encourages component manufacturers to develop declarations for components and post this information on their internet sites to support supply chain RoHS declaration requirements.

These emerging standards provide a valuable set of information management tools to help supply chain members plan lead free product transition, manage RoHS/WEEE compliance reporting and identify hazardous materials content in electronic components. NEDA encourages supply chain members to review these environmental data management standards and align internal data management processes to take advantage of the data structure and information provided.

Given NEDA's commitment to fully support the identified industry standards for information reporting, declarations and labeling, the association recommends that supply chain members refrain from developing and requesting unique certification and declaration formats that will drain supply chain resources, increase costs, and undermine the focus on these important standards. The notion that distributors and component manufacturers can conduct the technical reviews and legal reviews of individual customer declaration, certificate of compliance and warranty formats is unrealistic, time consuming, counterproductive, and expensive.

NEDA member distributors will obtain Lead Free Transition/RoHS Compliance information from electronic component manufacturers using the NEDA Lead Free Transition/RoHS Information Worksheet in .xls format. This data will include direct links to IPC1752 Declarations in .pdf and .xls formats as they now become available from component manufacturers. Component distributors will provide this information to end customers to support customer needs for PB-free product transition information and evidence of RoHS compliance. Component distributors will also provide JEDEC compliant labels on product as originally shipped by manufacturers, or replicate these labels on product that requires repackaging.

These standards will help provide consistency in information content and efficiencies in data management that will contribute to product quality and process savings for the entire supply chain.



Related Links:

National Electronic Distributors Association Lead-Free Product Information Worksheet  
<http://www.nedassoc.org>

IPC- 1752 RoHS Declaration Information  
[http://members.ipc.org/committee/drafts/2-18\\_d\\_MaterialsDeclarationRequest.asp](http://members.ipc.org/committee/drafts/2-18_d_MaterialsDeclarationRequest.asp)

JESD- 97 Lead Free Labeling Information  
<http://www.jedec.org/download/search/JESD97.pdf>

NEDA letter on Lead Free Transition and RoHS Compliance  
<http://www.nedassoc.org/leadfreeletter.pdf>

NEDA Distributor's Position Paper on Lead Free Transition/RoHS Compliance  
<http://www.nedassoc.org/leadfree.pdf>