



**NEDA Components Roundtable –
Chicago, IL
June 7-8, 2005**

Passives Components

Mike Griffith – ECA Update

Participant – Solder Technology Group

Finalize update to Solderability Standard - OO2B

Tin Whisker Issue – Not issue for Passives – Chris has revised CB-19 – Passive Suppliers will provide support for document

INEMI – JEDEC JESD222 – how to measure a tin whisker

JESD-221 – measure tin whisker and the density on the lead

ECA – KOA, passive suppliers performing to standard

There is a conflict between the organizations on how they test?

* Mike – provide document – JEDEC Spec

- Some customers require testing annually.

ECA – driving the chip bulletin

Next ECA Meeting - Oct. 17-20 – Radisson in Memphis

Agenda Items/Minutes EC-Central.org – **Committee** file contains the information

- Suppliers – in terms of the customer – tin whisker issue – there does not seem to be a concern at this time – Alcatel (Server App) – concerned about reliability. It depends on industry in terms of level of attention.

- When addressing the Tin Whisker concern – how can you respond – is it sufficient to say that it passes JEDEC Spec? The attitude is that if the customer has accepted it – any defect becomes the customer's issue. – Distis will have to bring concerns back to the Supplier to address w/ end customer.

Are you more likely to see on through-hole or surface mount? There is no clear answer.

Shelf-Life –

KOA had request for 6 months – responded with no. Retests after 2 ½ years – still solderable. Distis place requirement for shelf life – because of restriction imposed by customers.

Distis – no significant increase in requests.

TI has completed series of tests on lead-free termination that showed shelf life of 8 years.

Is it a Medical Industry requirement (FDA) or just general “feel good” requirement across all industries?

* Determine if there is a specific requirement for the Medical Industry – **Who?**

Exemptions – will make it more difficult to obtain an exemption

* **Mary Carter-Berrios** will provide additional info on new criteria

* NEDA Date Code Paper – Rod suggested that the paper be amended to incorporate wording about RoHS compliant products (pertaining to electronic components) being exempt from shelf life issues.

* Broaden document to include product segments, i.e. different requirement for connectors

JEDEC Meeting – JESD97 Labeling Lead-Free/RoHS Compliant Products E1-E7 indicator. Recommend to expand standard to include RoHS Compliant – both the Solder / Termination Material indicator

All pure tin but include optional indicator R1–R7 – indicates RoHS Compliant part – X1–X7 – RoHS compliance with Exemption, TI has added one more – G1–G7 – ECO. Could add M – Military

NEDA to create Guideline saying use the JESD97 Label Standard - with the addition of the indicator. Need additional representative with voting rights at next meeting in Annapolis

* **Melanie** will distribute Guideline to Suppliers for additional input.

-Update on Guideline for Packaging and Handling - Should the guideline address Labeling/Label Placement, number of labels, content, etc. Shannon from Sager will participate on task force. Please see Melanie if you are interested in participating on sub-committee.

- The Suppliers were asked to comment on content of meeting, other industry issues
There was a question regarding the charter of the Roundtable.

CHARTER for Passives – Operations issues - packaging, labeling, shipping and quality. Come together as a group representing Distribution to determine how to get things done that will benefit both the Distributor and Suppliers. The meetings are scheduled every 6 months, but we have been meeting more frequently because of the Lead-Free/RoHS issues.

Melanie asked each Supplier to provide input on their reasons for attending meeting and to offer feedback on other issues in the industry that need to be add other issues in the industry.

Len Metzger/Steve Gladis – Panasonic Industrial - To get update on Lead-Free Issues that affect the industry

Michelle Graves – Allied Electronics – Stay up to date on Pb Free/RoHS issues/initiatives; need to understand information behind the Date Code issues

Michael Griffith -KOA – to contribute a Passives voice and because distributors are quickly becoming #1 Sales Channel need to understand issues and concern

Rob Taflinger – BI Technologies – to carry message regarding industry position and issues back to the plant

Mary Carter Berrios - Kemet – good forum to address current issues and communicate with other suppliers on common issues.

Orpha Barrera/Ed Gomez – IRC Advanced Film Division – create website to address Lead-Free/RoHS issues – what other forms are required by NEDA? Are there other things that need to be put on website? Having access to information is important – material content information, spec sheets, part number cross reference information

Steve Hopkins – Newark InOne – great value to standardize on approach to lead-free – have not heard update on backwards compatibility – need to provide documentation, test data, etc. – could post on website. Create white paper that covers backward compatibility issues?

Michael Slasuraitis – Littelfuse – primarily looking for update on Lead-Free RoHS issues

Chuck Amsden – Mouser – To understand current issues/concerns in the industry specifically relating to RoHS.

Jim Ingersoll – RS Electronics - Address issues on compliance – need to determine what is profitable, what adds value and determine how to prioritize. Labeling issues, Export Issues, Marking Issues – difficult trying to determine what are true requirements of customers?

Gary Greer - Avnet – Adjust ERP to address Lead-Times for Lead-Free product – what are other suppliers experiencing? What % of customers requesting lead free products? If suppliers do not create new part numbers – there are issues with segregating the inventory and relabeling if required. How do suppliers plan to address their existing inventory?

Arnold Offner – Phoenix Contact - need to determine distributor requirements for labeling

Steve Denby – NKK Switches – Cost of Benefit – no one wants to pay – sees a variety of demand with no understanding of who is going to pay for things – needs to get updated on needs of the industry

Jim Masui – Murata – is here to learn about issues/requirements in the industry to meet demand of distribution

Catherine McIntosh – Tyco Electronics – Raychem Circuit Protection
Distribution is primary sales channel - need to understand issues, concerns and requirements of Distribution and the industry

Chris Reynolds – AVX – need to understand requirement of users of information Need

Chris Williams – Allied Electronics to understand issues with RoHS

Merrill Mahoney/Shannon Freise – Sager Electronics - Want to get more involved in the guidelines and standards – also interested in POS, Pricing requirements, Design Registration

- It is clear that we need to get a better understanding of all the initiatives and requirements being imposed by the government. It was suggested that we invite someone to come in and address various issues.

- For first time participants – provide an introduction package describing the charter – include minutes from previous meeting – followed with a phone call

* [Barney](#) to create introduction package/contact activity

- It was also suggested that in future meetings – we may want to consider holding the meeting at a family-friendly location.

Combined Session – Actives/Passives

Barney – if you are interested in participating in taskforce on POS, Design Registration – please let Barney know – he will send message to NEDA membership to request input or provide information.

Passives Update -

There was a question regarding compliance to date codes – why suppliers are not using format of YYWW on labels – is it a space issue?

Distributors capture data code information at Receiving to address inventory needs (first in – first out, etc.)

It was suggested that Distis provide guideline with section spelling out mandatory format requirements.

- Lot Code labeling in barcode format and human readable format – becomes increasingly important to include barcode format on intermediate and inner (reels, bags) packaging

- Draft guideline to address specific concerns and present to Suppliers for input/feedback

Actives Update –

Concerns with various Certificate of Compliance formats from both Customers and Suppliers

Get behind standardization of format for C of C, chemical content info

Export Compliance – Update – Catherine McIntosh

Reviewed issue – there is a need to provide export data to Distributors – the issue is what data needs to be provided and what is best way to provide it.

Data Required:

COO – Country of Origin as defined by Customs Regulations

HTS – Harmonized Tariff Schedule – at a minimum the first 6 digits (which are universal) – Do we provide the entire 10 digits (last 4 digits will vary from country to country)? What is recommended from a Customs perspective?

ECCN – Export Classification Code Number

The question was raised – how do you define Country of Origin? Could be determined at point of Assembly (for encapsulated products) or at point of fabrication – Issue will be addressed by Patti Stanley during CTPAT discussion.

- The concern is that Distributors may have to choose one or the other depending on product

- The taskforce needs to clearly define Country of Origin – and include definition in guideline.

- Different methods for providing the data was discussed – should it be posted on the web where distributors can get access, could it be provided in a database that would be

updated annually (or as required). Suppliers all agreed that it would be difficult to maintain the amount of data. There were also concerns about data integrity and a legal exposure if the data is not maintained.

- One option was to include the data on the Product Data Sheet – information is available on the web, and updates would occur in normal course of business. Suppliers took suggestion to their Export Compliance/Product Management groups and were told that the resources were not available to add the additional information or to maintain the data.

- The task force determined that one place where the HTS Code was included is the Packing List – the proposal is that Suppliers (who provide HTS on the Packing List) add a field for ECCN data.

- Shannon suggested adding the Export data to the Price Tapes/Information which would be updated in normal course of business? She also suggested that the data could be included on Commercial Invoice (commercial invoices are not generated for domestic shipments – and data is required in the event the distributor exports product).

The taskforce will continue to explore options – but we require additional input from the Suppliers and Distributors.

- They also proposed a survey for Suppliers to find out if the Country of Origin and HTS are included on the Packing List. Also ask if their systems would support the addition of another field for ECCN?

The task force will propose a Guideline and include mandatory requirements COO, HTS and ECCN and those items that are optional, but may be required based on type of product/application.

New additions to taskforce:

Orpha Barerra – IRC Advanced Film Division

Shannon Freise - Sager

Don Elario – Arrow – will provide volunteer

NEDA Guidelines Update – Rod Spear

Presented update on existing guidelines (may or may be outdated) – three of guidelines are covered by JEDEC standard – and can be eliminated

Packing List 111 – use as vehicle for adding data for HTS and ECCN requirement

Packing Materials – define requirement for wood pallet compliance

Price Catalog – may be valuable to smaller distributors who require information on what format is used to provide pricing.

Will provide update at next session

1D/2D Labeling Update – Dan Wikander

Presented draft of guideline

Do distributors require PO Number on the product packaging ? Is required on the intermediate container and shipping container

Do distributors require customer part #? No – use manufacturer’s part #. It could be added to Label if required.

Trace Number (which could be date code, lot number or batch number) is required.

Some suppliers may need to include part description – should be optional.

* Dan - Need to reference JEDEC Standard for Moisture Level

* Dan will work with programmer to provide sample of label for review

There was consensus from the group on the proposed format to include in the guideline
Each package needs to reflect Pb Free for it to appear on the Ship Label.

Format for lead finish needs to follow international standard – address issue with JEDEC team

- Shipping Label needs to be brief because of the number of containers that may need to be included

Timeline – will provide final draft to Core team for review and then provide to Barney to send out to members for review and feedback.

WEEE and RoHS – Update – Barney Martin

* **Barney** – will post current Rev of the Lead-Free/RoHS Product Information Worksheet on the NEDA website

- There is some concern about the term – non-classified – should that be defined?

- Suppliers who respond with “can go to our website to get data” – the response needs to be that it is not suitable for the mass data that needs to be maintained.

C-TPAT – Customs Trade Partnership Against Terrorism

Need Web address – Patti Stanley

- Will this continue to be on a voluntary basis? No – eventually it will be a requirement.

- Is there any understanding of the cost of certification? No not known – will vary from company to company.

- Your freight forwarder should act as a consultant through the certification process.

Export Compliance Data

Country of Origin

ECCN

ISO3166 includes format information

HTS - Need 10-digit Harmonized Tariff – last 4 digits will vary

- The taskforce needs to ensure that they define what is mandatory, COO, HTS and ECCN versus what is considered optional data and include the data in the guideline.

Supplier Labeling Survey –

* **Barney** - Put together brief survey for Suppliers to determine what is used on label to identify Pb-Free/RoHS Compliant products.

NEDA RoHS Scorecard and Survey

Jay provided an update on the Suppliers who are utilizing the NEDA Worksheet and those who are not. He also presented an evaluation sheet that is used to grade Suppliers. The report card is intended to reinforce each of the data elements that the distributors have requested and to determine how well the suppliers have performed in providing the data. NEDA survey will be provided in spreadsheet format.

Next Industry Issues

Lot Codes vs. Date Codes – Some large Contract Manufacturers require lot codes.

Dan will address as part of guideline requirement.

Next Meeting:

Jay has proposed that the next meeting be held in Memphis – so the group can visit Future’s new state of the art warehouse facility.

Proposed Date: October 21-22

Barney asked for suggestions on family-friendly locations:

San Antonio

San Diego

Atlanta

Washington DC

Boston