



NEDA Components Roundtable
May 4-5, 2006
Las Vegas, Nevada

Attendees

Full Individual Name	Org Name	Full Individual Name	Org Name
Russ Bullmer	Allied Electronics, Inc.	Mary Carter Berrios	KEMET Electronics Corp.
Bob Whetson	Allied Electronics, Inc.	Charles Amsden	Mouser Electronics
Jim O'Connor	Analog Devices, Inc.	Mike Williams	Mouser Electronics
Vincent Ciccolo	Analog Devices, Inc.	Pete Shopp	Mouser Electronics
Donald E. Elario, Jr.	Arrow Electronics, Inc.	Jeff Shafer	Newark InOne
Mike Thomas	Arrow Electronics, Inc.	Leonard A. Metzger	Panasonic Industrial Co.
Sharron Peek	Avnet	Rene Briones	Philips
Rob Taflinger	BI Technologies	Jim Ingersoll	RS Electronics
Dick Krass	Bourns, Inc.	David Bender	Tyco
Gan Arnold	Brothers Electronics	Rod Spear	TTI, Inc.
Greg Dalton	Emerson Network	Melanie Pizzey	TTI, Inc.
Stephen Evans	Future Electronics, Inc.	David Richardson	Vishay
Jay Smith	Future Electronics, Inc.	Clark Smith	Vishay
Donna Gibbs	Garrett Electronics	Karen Collins	Waldom Electronics
Page Sacky	IRC-Advanced Film	Eric Smith	Waldom Electronics
Brian Piscitelli	KOA Speer		

MEETING NOTES COURTESY OF MELANIE PIZZEY OF TTI

Thursday, May 5, 2006:

The meeting started with an introduction of each participant, and a brief statement from each person stating what their biggest concerns and/or issues are with the RoHS situation.

Melanie Pizzey – TTI:

Need responses back from suppliers on the NEDA spreadsheet.

Rod Spear – TTI:

We need to discuss the issue of “RoHS compliance by exemption” and classification of those products that are exempt. Also, we are starting to see some requirements for “5 out of 6” from the telecom group. How do we address this? Lack of labeling standard continues to cause issues. We are starting to see issues with suppliers who did not change part numbers. Rejects are coming in from customers because they cannot identify the parts, and distributors

have a difficult time distinguishing compliant from non-compliant. We are also seeing requests from customers for distributors to certify compliance.

Gan Arnold – Brothers Electronics:

Brothers has been forced to do a physical inventory for the first time in eight years because of part numbers that are not changing.

Chuck Amsden – Mouser:

Need a translation of IPC 1751-1752 into Chinese and Japanese.

Pete Shopp – Mouser:

Largest issue is still pulling the correct parts to fill orders for those items that are not distinguished by a new part number.

Mike Williams – Mouser:

There are some suppliers who are thinking that they don't have to be compliant if product is manufactured prior to July 1, 2006. The interpretation was that their products were not "put on the market" prior to the deadline. Other issues are to synchronize internal information for sales, warehouse, I.T., and customers.

Dave Bender – Tyco Electronics:

Tyco made the decision not to track exemptions by part number early on, but now it is causing them problems with coding the NEDA spreadsheet. Most of the Tyco compliant products have a new part number, however there are a few that are not, but those are clearly labeled as compliant. Tyco will adopt the 1752 material content reporting standard. Material content reporting is difficult for connectors. You must get down to the homogeneous level to get accurate data.

Tyco can issue level "1" information, but provide the other higher level declarations as needed by exception. 1752 declarations level for the specific values – use "worst case" for input.

Tyco:

Shipments to EU = 95% compliant

Shipments to Asia = 80-85%

Shipments to North America = 60-65%

Rob Taflinger – B.I.:

B.I. is labeling the products that part numbers did not change, and they have purged inventory that was not compliant, and will not accept returns on non-compliant parts. B.I. will make both on trimmers for the next couple of years, and when appropriate, they will begin to charge more for the non-compliant products.

B.I. is working on updating the web site with more information. The incoming order rate for compliant products at B.I. last quarter is up to around 75%. The first quarter of 2006 picked up considerably.

B.I.:

100 % of shipments to EU are compliant

100% of shipments to Asia

70% of shipments to North America

Clark Smith – Vishay:

Vishay changed part numbers on most all products. Surveys coming in from the customers are becoming overwhelming. Vishay will adopt the IPC 1752 material standard. Clark has heard that there is a service company providing capability to translate and upload data into the 1752 format.

Tin Whisker Situation – Vishay parts must pass internal whisker tests before products are released to the market. This is keeping the engineering department very busy because customers want different termination content to address the whiskering issue along with different soldering temperatures. Vishay is currently using the NEMI test requirements.

Dave Richardson – Vishay:

IPC, ECA and JEDEC are “standardizing on a standard” for Tin Whisker test and measurement. As an application engineer, Dave is spending all of his time working directly with customers and their engineering issues related to RoHS compliance.

Donna Gibbs – Garrett Electronics:

Garrett is creating their own internal Pb part number for those suppliers not providing us with a new number for compliant products. They had to do a physical inventory, and they will not certify compliance as a distributor.

Sharon – Avnet:

Avnet is assigning internal part numbers and checking all inventory of part numbers that did not change. They are not signing certifications, and they have a requirement of suppliers to keep compliant and non-compliant products segregated for all incoming shipments.

RS Electronics:

RS had to provide internal “alias” part numbers for suppliers who did not change part numbers. They are segregating products in their warehouse. The challenge is on the date code marking. There are big challenges with labeling, and their system is not designed for “attribute” management. They continue to have issues with labeling consistency and clear marking. RS is seeing customers wrap up all surveys into one request, including other banned substances.

Russ Bullmer – Allied:

Director of Technical Support

Most customers are asking for a “Y” or “N” status on compliant products. Customers don’t understand the need for compliance, therefore educating the customer is a big issue.

Bob Whetson – Allied:

Information gathering is still a major issue along with keeping the data current.

Page Sacky – TT Electronics:

IRC, Corpus Christi, Texas

Customers want unique information for their own systems, which continues to make everything much more difficult.

Steve Evans – Future Electronics:

Dick Krass – Bourns, Inc.:

Keeping all databases in sync is a challenge. Bourns set up a single file server to store and manage all of this data at within Bourns. They will adopt 1752 after July 1, 2006. Bourns has set a policy that all factories and product groups have to be approved by Bourns executive staff before design or implementation. Bourns participates in the NEDA committee to stay in close contact with the industry on this position.

Eric Smith – Waldom Electronics:

Waldom is stocking both RoHS and non-RoHS products. Part numbering is still the biggest issue.

Jim O’Conner and Vin Ciccolo – Analog Devices:

Analog provides a web database search capability that allows access to the same information that fits into the 1752 specification, but it is not in the standard format. They have separate groups in Asia managing data because they are closer to the manufacturing sites.

Mary Carter Berrios – Kemet:

Kemet will manufacture both Pb and PbFree products. The Kemet website provides most required data, and continues to work on web enhancements. Kemet will implement 1752 and their time line stretch goal is 10/016, but most likely it will be 01/07. The information for material content will be secured and available only for customers by access code only all the way to a level “6”. Level “2” is available for any web visitor. Kemet is having some challenges with using RosettaNet for reporting. Kemet is struggling with full material disclosure, and they will only disclose to level “6” as defined by Kemet.

Kemet is finding that handheld testers are an issue.

The Automotive segment is now “awakening” on the issue. Tier 2 automotive customers like Toyota, Nissan and Mazda are asking Motorola and Visteon to be compliant with a “pre-qualification”.

New tin whisker documents are out now – JESD201. This has precipitated new requests from customers. Also, wetting balance could be a problem. Kemet is being pressed for wetting balance data now. (ref J-STD002)

Brian Piscitelli – KOA Speer Electronics:

KOA changed to a global part numbering system 5 years ago, and all part numbers are new for compliant products. KOA is still making both Pb and Pb Free terminations at this time. Material reporting is the biggest challenge because of a lack of standardization. KOA is working on an automated way to load and update 1752 by family.

KOA:

Shipments to Japan = 95% Compliant

Shipments to Europe = 75% Compliant – other 25% is to Automotive

Shipments to Asia/China = 50% Compliant

Shipments to North America = 45% Compliant

41% of KOA business is Automotive, therefore this drives the numbers. KOA is working very hard with the Automotive customers to get them to convert because of long term pricing and availability issues. Expectation is that Pb Free will be up to 80-85% of shipments by October in North America.

Len Metzger – Panasonic:

Panasonic seeing liability clauses in contractual requests or quotes from customers.

Panasonic needs more data for certification on the web site. They are working on automating some of these tasks.

JEITA will be labeling standard for the innermost package for all current production.

Panasonic will be 1752 capable. Concern with customers understanding Pb exemptions.

Gan Arnold – Brothers:

Brothers has a “ghost” area for internal part numbering as not to affect POS. We need a disclaimer from NEDA on certification.

There are some distributors buying up all of the Pb inventory. How will this affect the market? If Pb product ultimately comes flooding into the market, it will affect price.

Rene Briones – Philips Semiconductors;

RoHS compliant labeling when an exemption is being used if an issue. For Philips, they will incorporate a new symbol of “H” which means halogen free. This will be called “dark green” internally at Philips. They are struggling with their own inventory because they did not change the part number.

Jeff Shafer – Newark in One:

Newark obtains data from suppliers and shares that globally. Customers download datasheets and sometimes it does not match old data sheet. Therefore, how do we keep the data current and updated? PCN process? Revisions?

Jay Smith – Future:

NEDA support has been critical in getting the work done at Future. They are expecting pressure to mount for data to back up compliance claims. With 1752, we need to get the word out to both suppliers and customers.

We need a certification position and standard document to provide customers. Future is starting to see questions about PbFree solders and aging.

Customers are stating that they will charge for “mis-labeled” parts.

We need to start to find an easy way for pipelining and access to IPC 1752 information.

Don Elario – Arrow:

They are looking hard at 1752, and also J.B. Holister’s product is being reviewed as well. Arrow is starting to be audited to RoHS process by customers. They have heard that there are a few companies that are failing these audits.

TTI, Future and Arrow has all experienced these on site audits. Bourns would like to see an audit checklist from some of these customer audits that have been done.

Other topics:

Due Diligence – there is no case law yet to prove due diligence. It is purely interpretation at this point. DTI document eludes to benefit of certifications along with independent testing, validation of data behind the certification.

QC080000 IEC document – this is similar to an automotive registration but for environmental. Sharon to send Barney copy of this document.

Labeling – RoHS indicator on label helps get parts in the back door at the customer. Whether or not it makes sense, it is a requirement because of logistics issues. There is no consistency in the industry. Barney will follow up with JEDEC on label standard status.

Exemptions – train wreck waiting to happen. RoHS = Y versus RoHS = E. There are inconsistencies in how suppliers are reporting status. Compliant or Compliant by exemption. China becomes an issue because at this time there are no exemptions stated in the directive. Products shipping into China must be certified by a Chinese lab.

For the EU, it is more of a “pay me later” situation. Self certify now and audit later. For China, it is more of “pay me now” – must be certified up front by Chinese approved lab prior to shipment into China.

If we do not provide the customer with all of the information we have available, we have not done our “due diligence” as a distributor.

Other discussions:

China RoHS – now effective March 1, 2007

Catalog will be released with list of products required to be compliant. If product is in the catalog, it must be certified by a Chinese approved lab.

Useful life: labeling to indicate lifespan of product before it will emit hazardous chemicals.

Jay Smith stated the need to update the NEDA position paper. Jay's proposal was reviewed by the committee members, and some suppliers may not completely support or endorse the position.

Question was raised if there is a continuing need for the NEDA spreadsheet. Is there a point in time when the spreadsheet will become obsolete? Yes, eventually will after transition is complete.

IPC1752 – suggestion for companies to implement in phases – if we could get at least phase II data filled out, we could handle or answer about 50% of the customer requests.

Data from Kemet would only be updated by family per MCB.

Suggestion that all suppliers use family data updates when possible.

Position statement on 3rd Party Data providers: Manufacturers do not support this without approval – Mary Carter-Berrios will write rough draft of position paper including some links to other relevant information.

Discussion on need for a supplier scorecard for RoHS compliance activities. Consensus that there is no need for a scorecard, but we do need a quick supplier survey to go along with an update on the NEDA position paper for RoHS compliance. Jay Smith will put together the checklist.

Next meeting tentatively scheduled for Myrtle Beach, SC hosted by Chris Reynolds from AVX on October 12-13. Suggestion to meet all day on Thursday and break by noon on Friday.