

RoHS/WEEE PCB Fabrication Data Transfer



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THE PREMIER EMS COMPANY

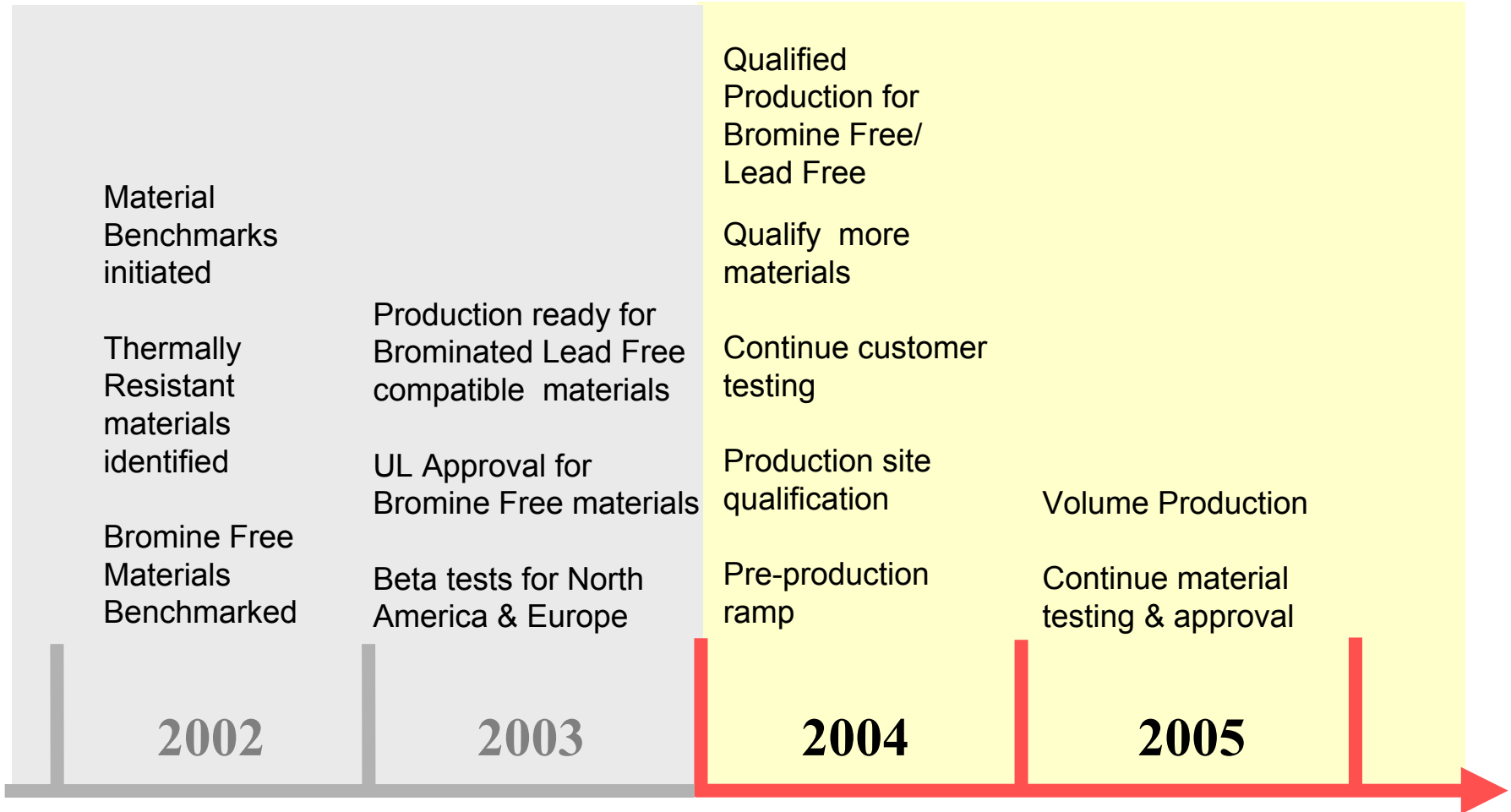
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PCB Implementation Time Line



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- **Basic requests**
 - Is the PCB RoHS compliant?
 - List Level A & B material PPM levels
 - List JGPSSI material PPM levels

- **Advanced requests**
 - Assembly process compatibility
 - Reliability data
 - What is the lowest cost solution?

Requested Customer Data Formats



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- **Excel based spreadsheets**
 - JGPSSI template
 - Cencor form
 - Custom tables
- **E-mail text responses**
- **Signed/scanned or faxed compliance documents**
- **Many unique formats & material lists**
- **Specific materials & allowed levels are well defined**

- **OEM asks fabricator when we will be compliant**
 - Problem: OEM owns the design, we don't
 - We have available surface finishes and materials
- **Lack of understanding of soldering temperature impact**
 - We are only asked when we'll be compliant
 - Don't understand that common FR4 materials won't survive higher assembly temperatures
 - Fabricators don't have good models on when to switch materials
- **New material may impact electrical performance**
- **CAD tools can conceptually calculate PPM levels, but don't**

Remember.....



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“It’s not easy being Green!”