



Dell Supplier Declaration Process

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Supplier Declaration via Data Sheet Form

- History
 - Since 2002, Dell has intensified and formalized our Restricted Materials program by directing its suppliers to restrict and/or eliminate certain environmentally sensitive materials in the components and products supplied to Dell.
 - Dell requires suppliers to provide restricted materials declarations for each new part supplied to Dell, indicating compliance with Dell's Restricted Materials program specifications.
- Dell Requirements of Suppliers
 - Ensure components and products supplied to Dell meet “Materials Restricted for Use” specification 6T198
 - Requires extensive investigation of product components and manufacturing processes
 - Requires consultation with sub tier suppliers
 - Using Specification 6T198 (“Materials Restricted for Use”) as a reference, document findings on Supplier Declaration form, 7X435 (slide included)
 - Sign 7X435 declaration and return to Dell mailbox (electronic signature or paper copy)



Dell Current Banned or Restricted Substances

- Asbestos
- Azo dyes/colorants- carrying cases, earbuds
- **Cadmium**
- Chlorofluorocarbons (CFCs)
- Chloroparaffins
- **Chromium VI**
- Halogenated flame retardants- certain exemptions apply
- Hydrochlorofluorocarbons
- **Lead in plastics, paints, packaging, cables and connectors**
 - Interim “lead-free” specification covers RoHS lead restrictions
- **Mercury – except for lamps**
- Nickel in frequently handled chassis/case parts
- **Polybrominated Biphenyls (PBBs) and their Ethers/ Oxides (PBDEs)**
- Polychlorinated Biphenyls (PCBs) and Terphenyls (PCTs)
- Polyvinyl chloride (PVC) - except for cables and interconnect parts



7X435 Supplier Declaration Form – Page 1

(Note: Current Version is Excel, Previous Word Version shown below)



**Supplier's Declaration
On Restricted or Banned Materials and
Chemical Substances**

This declaration covers all products and its components that are supplied to Dell Computer Corporation or integration company that supplies products to Dell Computer Corporation. Please evaluate the product and all of its components for the substances listed below. Refer to the attached Product List for more information.

Company Name: _____ Date: _____

Division: _____

Products Supplied to Dell:
(Refer to attached Product List) _____

Section 1:

The below list contains substances that Dell has banned or restricted. Please indicate if the following substances are used in the manufacturing of; are intentionally added to; or are contained in; products, components or packaging supplied to Dell Computer Corporation. Refer to Appendix I for example materials.

Substance	Reference in Appendix I	Yes	No
Asbestos and its compounds	Table A		
Cadmium and its compounds	Table B		
Chlorofluorocarbons (CFCs)	Table C		
Chloroparaffins, short-chained (10 – 13 Carbon Chain)	CAS: 8029-39-8		
Chromium VI and its compounds (<i>Packaging Only</i>)	Table D		
Hydrochlorofluorocarbons	Table E		
Lead and its compounds (<i>Prints or Packaging Only</i>)	Table F		
Mercury (<i>Display Lamps not included</i>)	Table G		
Polybrominated Biphenyls (PBB's) and their Ethers/Oxides (PBDE's)	Table H		
Polychlorinated Biphenyls (PCB's) and Terphenyls (PCT's)	Table I		
Polyvinyl chloride (PVC) (<i>Mechanical Parts over 25 grams Only</i>)	CAS: 9002-86-2		

Comments: _____

(See page 2 & 3 for remainder of Declaration)

Company Information:

Fill out company specific information. Include "Part Number". For "Products Supplied to Dell", fill out according to products categories in the product list spreadsheet sent w/form. Products list is an embedded file, open and print.

Respond "Yes" or "No" to the use of these substances in products supplied to Dell by checking the correct box. Substance appendix is an embedded file, open and print.



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Supplier's Declaration On Restricted or Banned Materials and Chemical Substances

Section 2:

The below list contains items that are "under consideration" by Dell to be banned or restricted in the future. The use of these substances in your product is allowed at this time. Please indicate if the following substances or materials are used in the product or in its manufacture. If yes, please list where it is found in the product or production process. Refer to Appendix I for example materials.

Substance	Reference in Appendix I	Yes	No	If Yes, in what product or production process?
Antimony and its compounds	Table J			
Arsenic and its compounds	Table K			
Beryllium and its compounds	Table L			
Chromium VI and its compounds	Table D			
Ethylene Glycol Ethers	Table M			
Lead and its compounds	Table F			
Nickel and its compounds	Table Q			
Organophosphorus compounds	Table N			
Phthalates	Table P			
PVC	CAS: 9002-86-2			
Tetrabromobisphenol A (TBBA)	CAS: 79-94-7			

Please indicate any uses of the following materials in products supplied to Dell. Specify the type of battery and/or flame retardant and where the material is used.

Material	Type	In what product or production process?
Batteries		
Flame Retardants		

Comments: _____

(See page 3 for remainder of Declaration)

Respond "Yes" or "No" to the use of these products by checking the correct box.

If "Yes", provide specific information on where the substance is found in the product. Include amount when available (ppm, weight %).

For example, TBBA is used on the PCB as a flame retardant. Arsenic is used in the manufacture of steel chassis.

List any batteries used, type and what product

List flame retardants used, chemical name and in what part (IMPORTANT!)



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Supplier's Declaration On Restricted or Banned Materials and Chemical Substances

Section 3: Signature(s) Required

Signature of Authorized Company Representative

Position

E-mail

Address

Phone

Company Environmental Contact (if other than above)

E-mail

Address

Phone

Date

Sign the declaration form.

**Include contact information
for representative signing
form.**

**Include company contact
for environmental issues if
different representative.**

Date the declaration form.

Sign declaration and return to Dell

E-mail Address: WW_Env_Supplier_Program@dell.com



Lessons Learned and Future Strategy

- Lessons Learned:
 - Existing process requires much manual follow-up with suppliers and intensive tracking
 - Began with supplier/commodity level reporting and transitioning to part number level reporting
- Future Strategy:
 - Harmonizing requirements with JIG
 - Dell is moving to automate the existing process to capture materials data in a database linked with the part numbers

Environment

Dell and the Environment

- ▶ [Home](#)
- ▶ [Programs and Policies](#)
- ▶ [Design for Environment](#)
- ▶ [Manufacturing and Operations](#)
- ▶ [Customer Experience](#)
- ▶ [Recycling](#)
- ▶ [FAQs](#)

Dell's Position on RoHS

Global concerns over the human health and environmental risks associated with the use of certain environmentally-sensitive materials in electronic products has led the European Union ("EU") to enact the Directive on the Restriction of the use of certain Hazardous Substances (RoHS), that is designed to restrict the use of cadmium, hexavalent chromium, lead, mercury and certain halogenated flame retardants (PBBs and PBDEs) in electronic products. This directive will be implemented in the EU in July 2006, similar legislation is also pending in China and various states in the U.S.

Dell understands the environmental risks associated with the substances covered by the RoHS directive and is committed to reducing the use of these as well as other environmentally-sensitive substances, in our products. Dell's goal is to comply with the RoHS Directive requirements prior to the July 2006 EU implementation deadline and continue to incorporate these changes over our global product lines. Through our integrated Restricted Materials Program, Dell has already prohibited the use of hexavalent chromium, PBBs, PBDEs and cadmium, and has met public goals to restrict the use of lead, mercury and other non-regulated halogenated flame retardants in our products, in advance of legal requirements.

Delivering lead-free products as defined by the applicable regulations is a significant challenge for the electronics industry and involves a complex set of technical attributes that have yet to be standardized. Within this environment, Dell is actively working with suppliers and industry associations to develop and offer reliable, cost-efficient lead-free solutions. Dell is currently participating in a number of lead-free process development programs with NEMI, CALCE and HDPUG. With respect to defining RoHS requirements such as threshold values, exemptions and compliance verification methodologies, Dell is actively engaged in EICTA, AeA Europe and USITO.

Dell will continue to work to eliminate and/or reduce the use of environmentally-sensitive materials in our products, as well as continue to evaluate the technical and environmental, health and safety impacts of lead-free electronic materials. For additional information on Dell's environmental programs, please click [here](#).

What is it?

A standardized process to bring safe products to market as efficiently as possible

How it Works:

(1) the supplier's declaration of conformity

- Products are placed on the market on the basis of a supplier's declaration of conformity that complies with ISO/IEC Guide 22 (ISO/IEC 17050 Part 1 and 2).

(2) post-market surveillance

- The producer retains compliance documentation (i.e., description of product, test reports, etc.) available to the regulator upon request.

(3) penalties for manufacturers with non-compliant products

- Enforcement of regulatory requirements is via post-market surveillance and non-compliance penalties



Important Considerations of 1-1SDoc

- Does not in any way reduce the responsibility of the Manufacturer
- Assertion of compliance is based on standardized testing from a qualified, competent laboratory
- Incentive based
 - speeds time to market
 - provides flexibility to the manufacturer
 - reduces costs
 - promotes competition
 - minimizes trade barriers



Successful examples of 1-1SDoC regulations can be found in the U.S., EU member states, Canada, Australia, New Zealand, Taiwan, and Japan

Benefits the Environment

- preserves regulatory objectives

Promotes Competition

- manufacturers may voluntarily choose to use 3rd party testing and certification services on an efficient, market-driven basis

Benefits Consumers

- ensures that the benefits of technology reach consumers and the community in the most efficient way.

