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## Environmental Information

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The purpose of this template is to support the compilation of mandatory environmental information requested in the procedure for Industrial <sup>IT</sup> Enabled level 0.

The template is applicable to all hardware products.

|  |  |
|--|--|
| Product name   | SWITCHBOARDS FOR INDUSTRIAL APPLICATIONS - MAR   |
| ABB Identity number                                  |  |
| Information provided by<br>(Name and e-mail address) | Giampaolo Orsato<br><a href="mailto:giampaolo.orsato@it.abb.com">giampaolo.orsato@it.abb.com</a> |
| Business area  | ATLV   |
| Date   | 08-Mag-2002  |

### 1. Related documents

Industrial <sup>IT</sup> Architecture - Introduction and Definitions, 3BSE023904

Industrial <sup>IT</sup> Certification Overview, 3BSE023905

Industrial <sup>IT</sup> Certification Guideline, 3BSE024526

Industrial <sup>IT</sup> Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

*Ref. documents:*

*[http://inside.abb.com/The Insider/Featured Portals/Industrial IT Deployment/06 Product Certification/Document Library](http://inside.abb.com/The_Insider/Featured_Portals/Industrial_IT_Deployment/06_Product_Certification/Document_Library)*

## 2. Template for Environmental Information

### 2.1 Content of hazardous materials

Declare the presence of hazardous materials in the product. Printed circuit boards are declared separately under 2.1.1 and should be excluded from the declaration in the table below.

| Material   | Example application                   | Yes | No | Quantity/unit<br><i>Optional</i> <sup>(1)</sup> |
|--|---------------------------------------|-----|----|---|
| Lead   | Batteries, cables                     |     | X  |   |
| Cadmium  | Batteries, switches, additive in lead |     | X  |   |
| Mercury  | Batteries, switches                   |     | X  |   |
| Beryllium  | Contact springs                       |     | X  |   |
| Brominated flame retardants, e.g: PBB, PBDE, TBBPA | Additive in plastics or rubber        |     | X  |   |
| HCFCs, e.g: R 22, R 123, R 141b                    | Cooling media                         |     | X  |   |
| SF6, sulphurhexafluoride                           | Breakers                              |     | X  |   |
| Polyvinyl chloride, PVC                            | Cable- trunking                       | X   |    | 10 max  |

(1) Strive to declare the quantity. This is optional, however, since it is today sometimes difficult to retrieve such information, especially regarding supplied components.

#### 2.1.1 Printed circuit boards

Specify the amount of printed circuit boards used in the product by declaring the total board surface:

- < 1 dm<sup>2</sup>
- 1-10 dm<sup>2</sup>
- > 10 dm<sup>2</sup>
- No printed circuit boards used in the product

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## 2.2 Recycling information

Is recycling information for the product available?

Yes Ref. Document:.....

No

If No, please specify, in the table below, the component/part/physical position where the material is present:

| Material                    | Component/part/physical position |
|-----------------------------|----------------------------------|
| Lead                        |                                  |
| Cadmium                     |                                  |
| Mercury                     |                                  |
| Beryllium                   |                                  |
| Brominated flame retardants |                                  |
| HCFCs                       |                                  |
| SF6, sulphurhexafluoride    |                                  |
| Polyvinyl chloride, PVC     | cables                           |

## 2.3 Energy use and/or losses during the operation of the product

Is energy use and/or losses during operation of the product specified in the product documentation?

Yes Ref. Document:.....

No

Not relevant