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From Alexander Wachter  
Dept. DESTO/CPA  
Phone +49 6221 701-1287  
Fax +49 6221 701-1112  
E-mail Alexander.wachter@de.abb.com

## Environmental Information

The purpose of this document is to provide environmental information requested in the procedure for Industrial <sup>IT</sup> Enabled level 0.

Product name	Distributed Automation I/O AI523, AI531 Distributed Automation I/O AO523 Distributed Automation I/O AX521, AX522 Distributed Automation I/O CD522 Distributed Automation I/O CI501, CI502 Distributed Automation I/O CI504, CI506 Distributed Automation I/O CI541, CI542 Distributed Automation I/O CI581, CI582 Distributed Automation I/O CI590, CI592 Distributed Automation I/O DA501 Distributed Automation I/O DC522, DC523 Distributed Automation I/O DC532 Distributed Automation I/O DC541 Distributed Automation I/O DC551 Distributed Automation I/O DI524 Distributed Automation I/O DX522 Distributed Automation I/O TU508 Distributed Automation I/O TU510 Distributed Automation I/O TU516 Distributed Automation I/O TU518 Distributed Automation I/O TU520 Distributed Automation I/O TU532 Distributed Automation I/O TU552  <i>Product name may be followed by additional suffixes</i>
ABB Identity number	1SAP4xxxxRxxxx , AC500-XC "Outdoor" devices
Information provided by (Name and e-mail address)	Alexander Wachter alexander.wachter@de.abb.com
Business area	Discrete Automation and Motion – DMLD
Date	July 2011

## 1 Related documents

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

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

Group Function Sustainability Affairs

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 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 <i>Optional <sup>(1)</sup></i>
Lead	Batteries, cables		✓	
Cadmium	Batteries, switches, additive in lead		✓	
Mercury	Batteries, switches		✓	
Beryllium	Contact springs		✓	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber		✓	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		✓	
SF6, sulphurhexafluoride	Breakers		✓	
Coating paint ELPEGUARD SL1307 ECO FLZ (ABB Ident-Nr: 2CDN593500P0001)	PCBs of the AC500-XC "Outdoor" devices	✓		<0,1% from module weight

(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

## 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	
Coating paint ELPEGUARD SL1307 ECO FLZ (ABB Ident-Nr: 2CDN593500P0001)	PCBs of the AC500-XC "Outdoor" devices

## 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: Product data sheet
- ☐ No
- ☐ Not relevant