

Application Note

A Guide to RoHS Compliance at Dialogic

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Scope

This document provides information about RoHS compliance for the following types of Dialogic® products:

- Media processing, switching, and signaling boards
- Signaling products
- Media gateways

What Is RoHS?

Restriction of Hazardous Substances (RoHS) is a European Union (EU) directive whose purpose is to approximate the laws of the Member States of the EU on restriction of the use of certain hazardous substances in electrical and electronic equipment. Adopted in February of 2003, RoHS came into force on July 1, 2006 within the EU. Other countries have been working on their own variations of RoHS, and some countries have their own standards. China implemented its RoHS variation in March of 2007 and Korea in January of 2008. Other countries are also moving forward with similar legislation.

The RoHS directive aims to reduce the overall environmental impact of electrical and electronic equipment by making producers more responsible for the downstream impact of the products they design, manufacture, and assemble.

Identifying Compliant Dialogic® Products

As of June 15, 2007, all shipping Dialogic products have been RoHS compliant.

Some Dialogic products, including boards with JCT and DM3 architecture, have a “W” or a “Q” in their product names to identify the type of RoHS compliance that applies to them.

The difference between products marked with “W” in their product names and a “Q” in their product names is primarily the presence of lead in solder. Because all RoHS-compliant products marked with a “W” contain lead in solder, the following RoHS exemption may apply to them, depending on their application:

The part does not contain RoHS restricted substances per the definition above except lead, which is used under the following exemption: Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications. The applicability of this exemption depends on use of the part in one of the listed exempt applications. (Item 3 of the RoHS Directive)

Here are some examples of product names with “W” and “Q” (shown in boldface type):

- DMV600BTEP**W** — RoHS commercial product 5/6
- DMV600BTEP**W**NLK — RoHS commercial product 5/6
- SS7SPCI4**Q** — RoHS commercial product 6/6

Additional Information

For details about the exemptions for a specific product, consult the product’s Declaration of Conformance (DoC), which can be obtained from your Dialogic account manager or authorized distributor.

Appendix A. Definition and Declaration

RoHS Definition

Quantity limit of 0.1% by mass (1000 PPM) of homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE)

Quantity limit of 0.01% by mass (100 PPM) of homogeneous material for: Cadmium

Dialogic understands RoHS requirements for restricted substances in the RoHS directive are either (1) below all applicable substance thresholds as defined by the EU or (2) an approved exemption applies. (**Note:** Some RoHS implementation details are not fully defined and may change.)

RoHS Declaration

For more information about RoHS, refer to the document at the following link which includes frequently asked questions and answers about the RoHS directive: http://ec.europa.eu/environment/waste/pdf/faq_weee.pdf

Dialogic Corporation has systems in place to verify conformance with all applicable environmental requirements and to the best of Dialogic's knowledge the information in this application note is true and correct.

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