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RoHS 3
CERTIFICATION

In 2015 the member states of the European Union (EU) published the RoHS Directive (2015/863). This directive has also been referred to as RoHS 3. RoHS 3 adds four (4) additional restricted substances to the original six (6) of RoHS 2.

The original six (6) hazardous substances are Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBB's) and Polybrominated Diphenylethers (PBDE's) have not been added to Marmon Aerospace & Defense products. Threshold limits for these materials are still set at 1,000ppm with the exception of Cadmium and Mercury at 100ppm.

The additional four (4) hazardous substances are Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP). The threshold limits for these materials are set at 1,000ppm.

Some questions have arisen regarding the need for a CE mark to be applied to wire products. The CE mark is to be applied to "electrical and electronic equipment" or "EEE". As defined in the directive, EEE means "equipment which is dependent on electrical currents or electromagnetic fields in order to work properly and equipment for the generation, transfer and measurement of such currents and fields and designed for use with a voltage rating not exceeding 1000 volts for alternating current and 1500 volts for direct current." Therefore, the CE mark is only required on a finished product meeting the definition on an EEE. Wire products are simply passive interconnects and as such is neither equipment nor are they dependent upon current to work properly.

That being said, while a CE mark is not required on the wire, the wire is a component in a finished product and must conform to the current RoHS directive. One of the goals of the RoHS directive is to establish the appropriate linkage throughout the supply chain. This means raw material that suppliers, manufacturers, fabricators, as well as distributors are all connected in this process. The RoHS directive working in concert with WEEE and ELV directives completes a "cradle-to-grave" material linkage throughout the supply chain.

Marmon Aerospace & Defense is committed to complying with the international "green" initiatives designed to protect human health. Marmon Aerospace & Defense certifies compliance to RoHS Directive 2015/863.

JR Winn, Product Development Engineer   10/6/17