

EPEAT Clarification #30 Revision B

Functional Equivalence for emissions calculation of RAL UZ-122

This Clarification applies to the following IEEE Standards and criteria:

Applicable Standards:

- IEEE 1680.1 – Computers and Displays
- IEEE 1680.2 – Imaging Equipment
- IEEE 1680.3 – Televisions

Applicable Criteria:

4.10.1.1

CDP Determination:

The CDP finds RAL-UZ 171 and RAL-UZ 205 to be functionally equivalent with the calculation of emissions by RAL-UZ 122 pertaining to criterion 4.10.1.1. Full test reports or evidence of product certification from a laboratory accredited to ISO 17025 with ISO/IEC 28360 utilizing RAL-UZ 122, RAL-UZ 171, or RAL-UZ 205 would be acceptable evidence to prove conformance to 4.10.1.1.

New Background information:

Blue Angel updated test procedure RAL-UZ 171 to RAL-UZ 205 and a Manufacturer asked if the new test procedure would also meet the requirements for criterion 4.10.1.1. The test procedure in RAL-UZ 205 is the same as in RAL-UZ 171. The new standard provides more guidance on how to perform the test in the updated test procedure. This is due to an additional chapter in the related standard ISO/IEC 28360:2015-08 which has information on the measurement of fine and ultrafine particles.

Original Background information:

Several subscribers have asked if they can provide test data using RAL-UZ 171 to prove criterion 4.10.1.1. This criterion references Blue Angel RAL-UZ 122 for emissions calculations. A search showed that Blue Angel RAL-UZ 122 is no longer available on the Blue Angel website. Instead, RAL-UZ 122 has been replaced by Blue Angel RAL-UZ 171. According to the research, RAL-UZ 171 encapsulates all calculations of other substances of RAL-UZ 122. New Measurement/Calculation of ozone was developed because following the

RAL-UZ 122 approach it was difficult for the labs to get good results. The new measurement / calculation approach has lower uncertainty.

Change History: Revision A approved by the Product Verification Committee (PVC), published, and effective on 03/07/2014. Revision B approved by the Conformity Decision Panel (formerly the PVC), published, and effective on 02/23/2017.