Intel Non-CPU Component Products IEEE 1680-2009 (EPEAT) Declaration

Supplier Information

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Product Information

Product Identifier (e.g. Prod Code)	Mfr Item Description	Ship Release Date	Comments
BOXNUC5i5RYHx	NUC5i5RYHx, proprietary/uSFF	WW05	

The following tables were filled out using the directions, below:

Column	Directions
Yes	Indicates conformance with the requirements of this criterion.
No	Indicates NON-conformance with the requirements of this criterion.
N/A	**Not Applicable** -Indicates the criterion has been reviewed and is not applicable to the item documented. When a criterion has been marked NA the basis for this decision must be provided. This is done by declaring the characteristic of the component that indicates why the criterion does not apply.
NE	**Not Evaluated** -Indicates the criterion has not been examined and therefore must be examined in the final system level test report. Any criterion not completed must be marked with a NE.

Table 1 EPEAT Assessment Criteria for Sect. 4.1 Reduction/Elimination of Environmentally Sensitive Materials

4.1	Reduction/Elimination of Environmentally Sensitive Materials						
Criteria	**Description**	**Yes**	**No**	**NA**	**NE**	**Required (R) or Optional (O)**	**Comments**
4.1.1.1	Compliance with provisions of European RoHS	YES				R	
4.1.2.1	Elimination of intentional use of Cadmium (≤ 50 ppm in homogenous material unless due to recycled content)	YES				O	
4.1.3.1	Reporting on amount of Mercury used in light sources			NA		R	
4.1.3.2	Low threshold for amount of Mercury used in light sources			NA		O	
4.1.3.3	Elimination of intentionally added mercury in light sources			NA		O	
4.1.4.1	Elimination of intentional use of Lead in certain VDU applications.			NA		O	
4.1.5.1	Elimination of intentionally added hexavalent chromium (≤ 500 ppm in homogenous material unless due to recycled content)	YES				O	
4.1.6.1	Elimination of intentionally added SCCP flame retardants and plasticizers in certain applications	YES				R	
4.1.6.2	Larger (>25g) plastic parts free of certain flame retardants (≤0.1% total weight classified as dangerous substances under ECD 67/548/EEC)	YES				O	
4.1.7.1	Batteries free of Lead, Cadmium and Mercury	YES				O	
4.1.8.1	Large plastic parts free of PVC greater > 25g (cables and interconnect parts are exempt)	YES				O	

Table 2 EPEAT Assessment Criteria for Section 4.2 Materials Selection

4.2	Materials Selection						
Criteria	**Description**	**Yes**	**No**	**NA**	**NE**	**Required (R) or Optional (O)**	**Comments**
4.2.1.1	Declaration of post-consumer recycled plastic concentration by weight % (excludes PCBs & packaging)	YES				R	
4.2.1.2	Minimum content of post-consumer recycled plastic > 10% (excludes PCBs)		NO			O	
4.2.1.3	Higher content of post-consumer recycled plastic > 25% (excludes PCBs)		NO			O	
4.2.2.1	Declaration of renewable/bio-based plastic materials concentration by weight % (excludes packaging)	YES				R	
4.2.2.2	Minimum content of renewable/bio-based plastic material > 10% (excludes packaging)		NO			O	
4.2.3.1	Declaration of product weight	YES				R	

Table 3 EPEAT Assessment Criteria for Section 4.3 Design for End of Life (EOL)

4.3	Design for End of Life (EOL)						
Criteria	Description	Yes	No	NA	NE	Required (R) or Optional (O)	Comments
4.3.1.1	Identification of materials with special handling needs	YES				R	
4.3.1.2	Plastic parts >100 g on a product shall not contain paints or coatings that are not compatible with recycling or reuse, including metal coatings	YES				R	
4.3.1.3	External enclosures shall be easily removable by one person alone with commonly available tools	YES				R	
4.3.1.4	Plastic components >100 g shall be marked with a material code in accordance with the identification and marking requirements of ISO 11469:2000	YES				R	
4.3.1.5	Circuit boards >10 cm2 (measured on the largest face), batteries, and other components—any of which contain hazardous materials— shall be safely and easily identifiable and removable	YES				R	
4.3.1.6	Only one plastic material type shall be used in each plastic enclosure part >100 g	YES				O	
4.3.1.7	Plastic enclosures shall not contain molded-in or glued-on metal unless metal inserts are easy to remove by one person alone with commonly available tools	YES				O	
4.3.1.8	Minimum 65% reusable/recyclable	YES				R	
4.3.1.9	Minimum 90% reusable/recyclable	YES				O	
4.3.2.1	All plastic parts >25 g used in a product shall be manually separable by one person alone with commonly available tools into recyclable resin streams.	YES				O	
4.3.2.2	Plastic components >25 g shall be marked with a material code in accordance with the identification and marking requirements of ISO 11469:2000	YES				O	

Table 4 EPEAT Assessment Criteria for Section 4.4 Product Longevity / Life Cycle Extension

4.4	Product Longevity / Life Cycle Extension						
Criteria	**Description**	**Yes**	**No**	**NA**	**NE**	**Required (R) or Optional (O)**	**Comments**
4.4.1.1	Additional product warranty or service contract of at least 3 years shall be available for customer purchase.			NA		R	Final Manufacturer Requirement
4.4.2.1	Upgradeable with common tools Applies to: Desktop personal computers and notebook personal computers only	YES				R	
4.4.2.2	Product shall have a modular design; for example, major components/processor can be changed.	YES				O	
4.4.3.1	Spare parts and/or compatible replacement parts shall be available 5 years after end of production. Information on how to obtain replacement parts shall be provided to user.			NA		O	

Table 5 EPEAT Assessment Criteria for Section 4.5 Energy Conservation

4.5	Energy Conservation						
Criteria	**Description**	**Yes**	**No**	**NA**	**NE**	**Required (R) or Optional (O)**	**Comments**
4.5.1.1	All products shall be qualified to or comply with the eligibility criteria of the ENERGY STAR program requirements for the declared product at the time of declaration to the standard. Manufacturer shall declare the version of ENERGY STAR to which the product is qualified or compliant.	YES				R	
4.5.1.2	Qualified to ENERGY STAR, or compliant with the eligibility criteria of the ENERGY STAR program requirements, in advance of the effective date.			NA		O	
4.5.2.1	Accessory for powering product using renewable energy shall be commercially available for purchase with the product. This criterion is dependent on the region or country and may be declared by a manufacturer differently in different regions or countries.			NA		O	Final Manufacturer Requirement
4.5.2.2	Product shall be shipped with a standard component (either internal or external) that allows for use of renewable energy to power the product. This criterion is dependent on the region or country and may be declared by a manufacturer differently in different regions or countries.			NA		O	Final Manufacturer Requirement

Table 6 EPEAT Assessment Criteria for Section 4.6 End-Of-Life Management

4.6	End-Of-Life Management						
Criteria	**Description**	**Yes**	**No**	**NA**	**NE**	**Required (R) or Optional (O)**	**Comments**
4.6.1.1	Annual corporate declaration criterion: Manufacturer shall provide a take-back or recycling service at a competitive price that meets U.S. EPA's Plug-In to eCycling: Guidelines for Materials Management, published May 2004. This criterion is applicable only in those regions or countries for which the product is declared on the Market Surveillance Entity's (MSE's) Registry.			NA		R	Final Manufacturer Requirement
4.6.1.2	Annual corporate declaration criterion: An annual audit is performed of all first, second, and third tier recyclers' facilities; this ensures that the recycler is complying in full with all Plug-In Guidelines, as published in May 2004, and with any and all applicable regulations and laws. This criterion is dependent on the region or country and may be declared by a manufacturer differently in different regions or countries.			NA		O	Final Manufacturer Requirement
4.6.2.1	Annual Corporate Declaration Criterion: Manufacturers shall provide a rechargeable battery take-back service at a competitive price that is equivalent to or better than that provided by the Rechargeable Battery Recycling Corporation (RBRC) [B5]. In the annual corporate declaration, manufacturers must explain how the service applies to products declared to this standard and must provide information about that service. A manufacturer may provide different information for different regions or countries regarding the service and how it applies to declared products. This criterion is applicable only in those regions or countries for which the product is declared on the MSE's Registry.			NA		R	Final Manufacturer Requirement

Table 7 EPEAT Assessment Criteria for Section 4.7 Corporate Performance

4.7	Corporate Performance						
Criteria	Description	Yes	No	NA	NE	Required (R) or Optional (O)	Comments
4.7.1.1	Annual corporate declaration criterion: Manufacturer shall demonstrate the existence & public availability of a written corporate environmental policy consistent with all aspects of the requirements laid out in the environmental policy section of ISO 14001.			NA		R	Final Manufacturer Requirement
4.7.2.1	Annual corporate declaration criterion: OEM shall have self-certified, with or without independent assessment, that the OEM-owned organizations that have significant responsibility for the design and manufacture of the declared product have an operational Environmental Mgt System (EMS) that meets either: - The requirements of ISO 14001 or Eco-Management and Audit Scheme (EMAS); or - The EMS requirements of the U.S. EPA National Environmental Performance Track program.			NA		R	Final Manufacturer Requirement
4.7.2.2	Third-party certified environmental management system for design and manufacturing organizations (see 4.7.2.1)			NA		O	Final Manufacturer Requirement
4.7.3.1	Annual corporate declaration criterion: OEM shall produce an annual report that meets the first three reporting requirements of the U.S. EPA National Environmental Performance Track program or the GRI Sustainability Reporting Guidelines (2002). The word "corporation" may be substituted for "facility" in the requirements.			NA		R	Final Manufacturer Requirement
4.7.3.2	Annual corporate declaration criterion: Manufacturer shall produce an annual public report that is based on, but not limited to, certain elements of the GRI Sustainability Reporting Guidelines. An index shall be provided to indicate which portions of the GRI Sustainability Reporting Guidelines are (or not) covered in the report.			NA		O	Final Manufacturer Requirement

Table 8 EPEAT Assessment Criteria for Section 4.8 Packaging

4.8	Packaging						
Criteria	Description	Yes	No	NA	NE	Required (R) or Optional (O)	Comments
4.8.1.1	**Reduction/elimination of intentionally added toxics in packaging:** Heavy metals shall not be intentionally added to any packaging or packaging component, with the exception of the recycled content exemption cited in References and details. For incidental presence, the sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in any package or packaging component shall not exceed 100 ppm by weight (0.01%).	YES				R	
4.8.2.1	**Separable Packing Materials:** Product criterion: Non-reusable packaging components larger than 25 g shall be separable. All the packaging materials shall be able to be segregated into like materials without the use of tools (i.e., need to be able to have all the cardboard separable from the foams that are separable from the plastic bags).	YES				R	
4.8.2.2	**Packaging 90% recyclable and plastics labeled**	YES				O	
4.8.3.1	Manufacturer declares whether packaging contains recycled content or does not. Manufacturer also declares approximate recycled content (by weight or volume specified by manufacturer)	YES				R	
4.8.3.2	Packaging shall meet or exceed the minimum postconsumer content for respective packaging in the U.S. EPA CPG over the course of a year using a weighted average. See Table 1 within the IEEE Standard.			NA		O	Final Manufacturer Requirement
4.8.4.1	Provision of take-back program for packaging			NA		O	Final Manufacturer Requirement
4.8.5.1	Documentation of reusable packaging			NA		O	Final Manufacturer Requirement