

## REC APPLICABILITY EXAMPLES

Version: 1

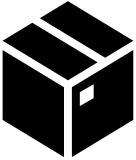

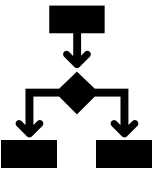


*Guidance is intended to offer further explanation of the requirements in the R2 Standard along with examples and audit recommendations. However, this document not auditable and cannot be cited in relation to any nonconformances. The explanations within are intended to prevent misinterpretation of the R2 Standard, not to add to, subtract from, or modify the R2 Standard. The examples cited may not be the only way to fulfill a requirement of the standard.*


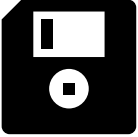


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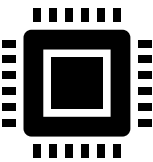

The tables below include some example of how the R2 Equipment Categorization (REC) tables and categories can be used to identify the status electronic equipment, components, and materials, and determine the next step in processing.


Note that during processing, REC Tables 1 & 2 are used to identify the R2 Applicability and Data Sanitization Status. While REC Tables 3 & 4 are used to identify the Cosmetic Condition and Product Functionality Description of any equipment destined for reuse.

RECEIVING ELECTRONIC EQUIPMENT, COMPONENTS AND MATERIALS			
ITEM	DESCRIPTION	R2 APPLICABILITY	DATA SANITIZATION STATUS
	<p>Upon receipt, all electronic equipment, components, and materials are unevaluated, and their condition is unknown.</p> <p>Unevaluated items must be secured and controlled under the R2 Standard.</p>	<p><b>R2 Controlled</b> <i>(Unevaluated – Requires R2 evaluation and processing)</i></p>	<p><b>Pre-Sanitization</b> <i>(Unevaluated – Requires data evaluation and sanitization)</i></p>
	<p>During unpacking, it is confirmed that the incoming load contains laptop computers.</p> <p>The laptops have not yet been evaluated for the presence of data or data devices, they contain FMs, and their level of functionality is unknown, therefore they must continue to be secured and controlled until further evaluated.</p>	<p><b>R2 Controlled</b> <i>(Unsanitized; Requires Test/Repair; FM Containing)</i></p>	<p><b>Pre-Sanitization</b> <i>(Unevaluated)</i></p>
	<p>Each laptop goes through an evaluation process to determine if it is suitable for reuse.</p> <ul style="list-style-type: none"> <li>➔ Items capable of reuse, continue to be secured and are directed to the appropriate data sanitization and reuse process (internal or through a verified DSV).</li> <li>➔ Items not capable of reuse, continue to be secured and are directed to an appropriate data sanitization and materials recovery process (internal or through a verified DSV).</li> </ul>	<p><b>R2 Controlled</b> <i>(Unsanitized; Requires Test/Repair; FM Containing)</i></p>	<p><b>Pre-Sanitization</b> <i>(Unevaluated)</i></p>

**DISMANTLING A LAPTOP COMPUTER FOR MATERIALS RECOVERY**

ITEM	DESCRIPTION	R2 APPLICABILITY	DATA SANITIZATION STATUS
	<p>Laptops directed to a dismantling process may not have been data sanitized and they contain Focus Materials, therefore they must continue to be secured and controlled until further processed.</p>	<p><b>R2 Controlled</b> <i>(Unsanitized &amp; FM Containing)</i></p>	<p><b>Pre-Sanitization</b> <i>(Unevaluated)</i></p>
	<p>If the hard drive is removed from a laptop, the drive itself would now be the component that requires the data sanitization. As a result, the drive would be categorized as <i>Pre-Sanitization</i> and also an <i>R2 Controlled Stream</i> due to being unsanitized and containing an FM such as the circuit board.</p> <p>The hard drive must continue to be secured and directed to the appropriate data sanitization and materials recovery processes.</p>	<p><b>R2 Controlled</b> <i>(Unsanitized &amp; FM Containing)</i></p>	<p><b>Pre-Sanitization</b> <i>(Unevaluated or Data Containing)</i></p>
	<p>If the battery is removed from a laptop, the battery would be categorized as an <i>R2 Controlled Stream</i> due to it being a <i>Focus Material</i>, but since the battery is a <i>Non-Data device</i>, it would not require any further data security controls.</p>	<p><b>R2 Controlled</b> <i>(Focus Material)</i></p>	<p><b>Non-Data</b> <i>(Non-data device)</i></p>
	<p>If streams of wires, metals, plastics, are also generated through the dismantling process, these <i>Non-Focus Materials</i> would be categorized as <i>Unrestricted Streams</i> and not require any further R2 processing or Downstream Vendor verification.</p> <p><i>Note:</i> While Non-Focus Materials are considered Unrestricted Streams, they must still must be processed in accordance with the <i>Hierarchy of Responsible Management Strategies</i>.</p>	<p><b>Unrestricted Streams</b> <i>(Non-Focus Material)</i></p>	<p><b>Non-Data</b> <i>(Non-data device)</i></p>

TEST AND REPAIR OF A LAPTOP COMPUTER FOR REUSE			
ITEM	DESCRIPTION	R2 APPLICABILITY	DATA SANITIZATION STATUS
	Laptops directed for reuse may not have been data sanitized and have not yet been tested to confirm their functionality, therefore they must continue to be secured and controlled until further processed.	<b>R2 Controlled</b> <i>(Unsanitized; Requires Test/Repair; FM Containing)</i>	<b>Pre-Sanitization</b> <i>(Unevaluated or Data Containing)</i>
	In order to enable reuse, the laptops must be logically data sanitized in accordance with Appendix B to effectively destroy any user data contained on the devices.  Sanitized laptops must then be directed to an Appendix C approved test and repair process and continue to be controlled until verified functional.	<b>R2 Controlled</b> <i>(Requires Test/Repair; FM Containing)</i>	<b>Non-Data</b> <i>(Sanitized with Software)</i>
	Any unrepairable parts or components removed from the device that contain a <i>Focus Material</i> such as a circuit board, must be controlled and directed to an approved Materials Recovery process approved under Appendix E.  <i>Note:</i> If the hard drive or other data components are removed prior to data sanitization, they must be categorized as Pre-Sanitization and properly secured until the sanitization has been completed.	<b>R2 Controlled</b> <i>(FM Containing)</i>	<b>Non-Data</b> <i>(Non-data Device)</i>
	Once sanitized, repaired, tested and verified functioning in accordance with Appendix C, the laptop moves from the:  → <u>R2 Processing categories</u> of REC Tables 1 & 2, To the:  → <u>Functioning Product Categories</u> of REC Tables 3 & 4.	<b>Not Applicable</b> <i>(See Cosmetic Description below)</i>	<b>Not Applicable</b> <i>(See Product Functionality Description below)</i>

EQUIPMENT DESTINED FOR REUSE			
ITEM	DESCRIPTION	COSMETIC DESCRIPTION	PRODUCT FUNCTIONALITY DESCRIPTION
	Any equipment destined for reuse must be assigned a <i>Cosmetic Description</i> and a <i>Product Functionality Description</i> to identify the physical condition and level of functionality of the device.  Includes: Collectible and Specialty Electronics (Core Requirement 6.(e)(3)(A)); Verified Specialty Electronics (Appendix D); and Tested and Repaired items (Appendix C).	<i>The appropriate cosmetic category is assigned based on the physical condition and appearance of the equipment.</i>	<i>The appropriate product functionality description is assigned based on the level of functionality verified.</i>