

# R2, RIOS AND e-STEWARDS® CERTIFICATION FOR ELECTRONICS RECYCLERS



## Your path to greener markets

For the electronics industry, the transition to a more sustainable economy will catalyze the development of new technologies and operational practices. The companies that set ambitious targets now will lead innovation and transformation tomorrow.

NSF International's experts have the knowledge and practical experience to help your organization meet the industry demands related to sustainable and closed-loop practices.

NSF can handle all your e-waste recycling certification needs. Whichever program fits your needs, we can certify your organization to the industries most recognized standards, e-Stewards, R2 and RIOS™.

## WHY CERTIFICATION?

As more electronics are produced each year, the role of electronics recyclers will continue to grow, as does the importance that they operate in a healthy, safe, and environmentally responsible way. Certification creates confidence that your organization is leading the way to create jobs, dissolve human health and safety issues and mitigate data breaches we are all becoming too familiar with.

Federal agencies are banned from disposing of electronic waste in landfills or incinerators. If re-use is not an option, they must send this waste to third-party certified organizations. Additionally, recipients of used government electronics are being encouraged to follow the same reuse and certified recycling standards as the federal government.

At least 25 US states also have some form of e-waste recycling legislation. Outside of federal or state regulations, compared to disposal, electronic reuse



creates 296 jobs for every 10,000 tons of materials recycled.

Certification makes a facility significantly more marketable to suppliers and consumers, it strengthens the facilities' relationships with all of its partners and stakeholders, and it makes the facility a stronger member of the community.

## WHY NSF INTERNATIONAL?

NSF International is your comprehensive solution provider, dedicated to supporting the electronics recycling industry. In addition to our e-Waste certification experience, NSF is currently working with the Green Electronics Council to develop new standards that will be eligible for inclusion on the EPEAT registry, which is trusted by thousands of enterprise, institutional and government purchasers worldwide to identify electronics that meet designated environmental performance criteria.

NSF is accredited by the American National Standards Institute (ANSI) and has developed over 90 voluntary American National Standards through a public process under the scope of public health, safety, environment and sustainability assessment.



# STANDARDS FOR ELECTRONICS RECYCLERS

	<p>RIOS™ is a comprehensive quality, environment, and health and safety (QEH&amp;S) integrated management system standard. It combines major operational and continual improvement elements of ISO 9001 (quality), ISO 14001 (environment), and OHSAS 18001 (health and safety). The RIOS™ framework can focus your organization on performance improvements that achieve operational efficiencies and increase profitability.</p>
	<p>R2 was developed to promote adoption of environmentally responsible practices throughout the electronics recycling industry. Certification addresses:</p> <ul style="list-style-type: none"> <li>&gt; an in-place Environmental, Health &amp; Safety Management System (EHSMS)</li> <li>&gt; worker health and safety</li> <li>&gt; material management and recovery</li> <li>&gt; tracking and accountability</li> <li>&gt; data security</li> <li>&gt; insurance requirements</li> </ul>
	<p>Consider becoming a Certified Electronics Recycler by certifying to both R2 and RIOS™.</p>
	<p>The e-Stewards program was launched by the Basel Action Network (BAN) to provide end-to-end accountability for e-waste recycling. The program encompasses a certified ISO 14001 environmental management system as well as:</p> <ul style="list-style-type: none"> <li>&gt; data security</li> <li>&gt; health and worker safety</li> <li>&gt; no export of toxic materials to developing countries</li> <li>&gt; no prison labor for recycling</li> <li>&gt; no toxic waste disposal in solid waste landfills or incinerators</li> </ul>

Whichever certification program fits your needs, NSF can certify your organization. e-Stewards, R2 and RIOS certification distinguishes your company as an industry leader and can position you as a preferred supplier. Let us help you earn certification and mark your organization as a leader in responsible recycling.

## CONTACT US

For more information, visit [www.nfsustainability.org](http://www.nfsustainability.org), call +1 734 827 5668 or email [sustainability@nsf.org](mailto:sustainability@nsf.org).

## NSF INTERNATIONAL

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