

The logo for the State Electronics Challenge (SEC) features the letters 'SEC' in a bold, green, sans-serif font. The background of the top-left corner of the slide is a photograph of a person's hands holding a tablet computer, with a blurred outdoor setting in the background.

State Electronics Challenge

End-of-Life Management Requirements & Third Party Certified Recyclers

Lynn Rubinstein, SEC Program Manager

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Revised July 2011

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End-of-Life Requirements

Requirement #1

Establish a policy, directive, memorandum, &/or guidance **requiring** environmentally sound management of electronic equipment at end-of-life.

Requirement #2

Establish policy, directive, memorandum &/or guidance promoting internal reuse, reuse within another state agency, & donation to regional/local agencies or non-profits (in that order) as preferred disposition methods.

Requirement #3

Develop & maintain system for tracking units of electronic equipment reused internally, transferred to other state agencies, donated, sent for reuse/recycling, or sent for disposal.

Document each equipment transfer.

Requirement #4

Provide recipients of donated equipment with proper instructions on how to manage equipment by using a 3rd party certified recycler at end-of-life.

Requirement #5 – Revised 2011

Use a recycler with third party certification to either the Responsible Recycling Practices Standard (R2) or e-Stewards Standard for Responsible Recycling (e-Stewards)

Establish Policies

- #1 Policy requiring use of recycler that uses ESM standards
- #2 Policy promoting reuse

Tracking

#3 Have a system for tracking reuse & recycling

- Important for calculating environmental benefits of your activities

Provide Information on End-of-Life Management

#4 Provide recipients of donated equipment with instructions on how to manage equipment at end-of-life.

Ensure ESM with Use of 3rd Party Certified Recycler

#5 R2 or e-Stewards

What is Third Party Certification?

Assessment done by independent, 3rd party organization that is qualified & licensed to issue certification to a specific standard.

- For SEC, a qualified electronics recycling standard
 - Either R2 or e-Stewards

Why it is Important to Use a 3rd Party Certified Recycler

- Only way to ensure not “self-certifying” or making unsubstantiated claims
 - No federal regulatory requirements specific to electronics recyclers
- Known set of EMS performance standards that recycler is meeting
- Ensure that practices meet your expectations

How Standards are Established

- Standards setting organizations (SSO)
 - ISO
 - ANSI
 - ASTM
- July review & approve, or create
- Both e-Stewards & R2 were reviewed & approved.
 - Created by organizations/efforts other than SSO

E-waste Recycler Certification Standards

- **Responsible Recycling (R2)
Practices Standard**
- **e-Stewards Standard for
Responsible Recycling (e-Stewards)**

Basic Differences Between Standards

- Some believe very little difference in end-results.
- Some, such as e-Stewards, feel very strongly that Standards are significantly different.
- EHS component
 - e-Stewards includes certification to ISO 14000
 - EHS component available with R2 (R2/RIOS)
- Up to you to decide.
- Both standards meet SEC requirements.

Identifying Certified Recyclers

- R2 Certified Electronics Recyclers
- R2/RIOS Certified Electronics Recycler
- Certified e-Stewards Recyclers

Information about the Standards

R2 Standard

R2 Solutions

phone: 970-872-4111 (Colorado)

e-Stewards

Basel Action Network (BAN)

phone: 206-652-5555 (Seattle)

R2/RIOS Certified Electronics Recycler®

Institute for Scrap Recycling Industries (ISRI)

phone: 202-662-8500 (D.C.)

Additional Resources

- [SEC End-of-Life Management resource page](#)
- [SEC Webinar page](#)

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Contact Information

Lynn Rubinstein, Program Manager

lynn@nerc.org

State Electronics Challenge

www.StateElectronicsChallenge.net

802-254-3636

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