

# E-Scrap in the US

*Workshop on E-Scrap  
BIR Convention, May 27, 2013*




**ISRI**

*Voice of the Recycling Industry*

Institute of  
Scrap Recycling  
Industries, Inc.

# Overview

---

- ISRI
  - Snapshot: US Recycling Industry
  - Domestic & International Policy
  - Certification
- 

# Institute of Scrap Recycling Industries, Inc.



Institute of  
Scrap Recycling  
Industries, Inc.



**1,700**


Member  
companies

**7,000+**

Recycling facilities  
worldwide

**34**

Countries



Ferrous &  
non-ferrous  
metals



Paper



Plastics



Glass



Rubber



Textiles



Electronics

# Industry Snapshot: \$90 Billion Industry in U.S.



Institute of  
Scrap Recycling  
Industries, Inc.

# 135,000,000

Tons processed annually

## 2012 U.S. Scrap Exports

# 47.3

Total exported  
(million metric tons)

# \$28B

Value of materials  
exported

# 160

Number of countries  
exported to

# Electronics Recycling in US

**\$5+B**

Industry in U.S.

**4+M**

Tons processed annually in the U.S.

**400+**

E-scrap ISRI members

# Electronics Recycling in US

Of the UEPs collected in the US each year,

**80+%**

Recycled, reused or  
refurbished  
domestically

**17.2%**

Exported  
(by weight)

March 2013: US ITC reported on significant positive changes in US & intl e-recycling since initial NGO reports on the informal sector more than 10 yrs ago

Of the UEPs collected in the US each year,

12.1%

Exported as

- Testing & working UEPs
- Working UEPs
- Commodity grade scrap
- Repair through warranty programs

5.1%

Recycling/disposal at export destination

Final disposal

Unknown





- Efforts to Ban Export of UEPs to non-OECD Countries
  - CAER
  - BAN
- 2012 US Govt Interagency Task Force
- US ITC Report
- CRTs: Cooperative Efforts with OEMs



Restrictions on export of UEPs with FMs for repair, refurbishment, and recycling

- No geographic distinction (OECD vs non-OECD)
- 1-time notification + register with EPA
- Due diligence

# ISRI Policy: Responsible E-Recycling



Ban export of UEPs for landfill & incineration

No restrictions on export of -

- commodity-grade scrap
- fully tested & working UEPs for reuse



## Independent certifications

- Competitive advantage
- Customer requirement
- Operational improvement

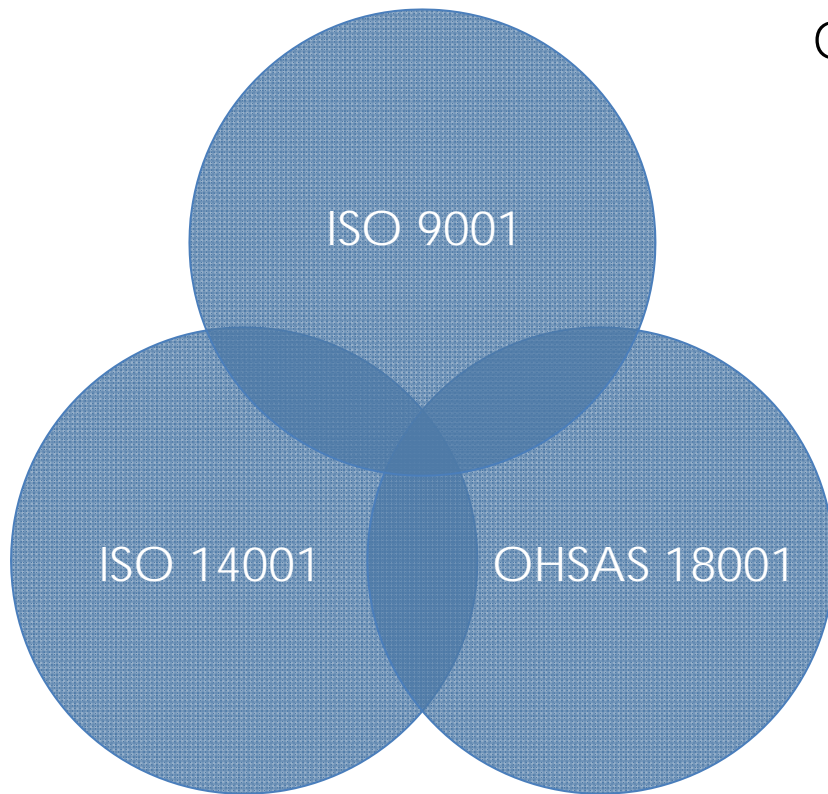
# Recycling Industry Operating Standard™

ANSI-ASQ National Accreditation Board (ANAB) supported

QEH&S management system

Third-party certification

Voluntary



# Why RIOS™?

- Designed by and for recycling industry
- Globally accepted
- Customer confidence
- Regulatory compliance
- Improves reputation





+



**Responsible  
Recycling**

**86**

RIOS™ and R2/RIOS™ facilities

**110+**

Facilities in certification process



Effective July 1, 2013

## Stringent, accountable standard

- EHSMS requirement (ISO14001 and OSHAS18001 or RIOS)
- Explicit compliance with laws of all exporting, importing and in-transit countries
- Extensive downstream due diligence through each downstream vendor until it is sold for reuse or as a commodity
- Data security and destruction





- Multi-Stakeholder Review & approval
  - Best Buy, Dell, Microsoft, etc.
  - Overseen by independent body: R2Solutions.org
- 400 E-Recyclers Currently Certified to R2
- 18 month Transition Period



Global in its reach: facilities certified in Australia, China, Costa Rica, Canada, England, Germany, Hong Kong, India, Ireland, Malaysia, Mexico, New Zealand, Singapore, and South Africa



“By ...2025 the developing world will generate double the developed world’s used and EOL computers.”

Journal of Environmental Science  
and Technology, 2010

# Thank You

**Robin K. Wiener**

President

Institute of Scrap Recycling Industries, Inc.

RobinWiener@ISRI.org

+1 202 662 8512

[www.isri.org/certifyme](http://www.isri.org/certifyme)

