

A large number 3 is formed by clumps of bright green grass, placed on a dark, textured asphalt surface. The grass is arranged in three distinct horizontal sections, with the top section being the smallest and the bottom section being the largest, connected by a vertical stem on the right side.

International WEEE
Workshop
April the 3-d, 2012



Legal basis of waste
electrical and electronic
equipment recycling in the EU
and U.S.

Producers responsibility for
recycling electronic waste

Kuusakoski

Mr Risto Pohjanpalo

Director Communications and ,Corporate Relations

EU and Environmental Legislation

- Environmental issues and coordination of legislation is very important in EU
- Since 1990s there have been lot of new legislation of environment issues
- The main rules
 - Every Member State should have same kind of legislation and rules
 - EU Member States must take care of their own waste
 - Strict rules for transporting waste (Basel Act)

Producers Responsibility

- Important in EU legislation
 - Those who manufacture or imports new products must also take care of end of life services (re-use, recycling, recovery)
 - Producer is:
 - » Manufakturer
 - » Importer
 - End of life services must be free of charge for end user
 - Collection network, easy to use and must have geographical relevance

Producers Responsibility legislation

- EU has established several Producers Responsibility legislation directives
 - ELV 2004 (End of Life Vehicles)
 - **WEEE 2005**
 - Batteries and Accumulators 2007
- Producers Responsibility is one of the key points in EU environmental legislation



WEEE Directive 2002/96/EC

- Come to Force 13.8.2005
- All Member States must implimate WEEE directive
- Member States shall drawn up a register of producers
- Different legistlation for B2C and B2B electronics
- Different rules for "old WEEE" put on the market before 13.8.2005



WEEE material categories

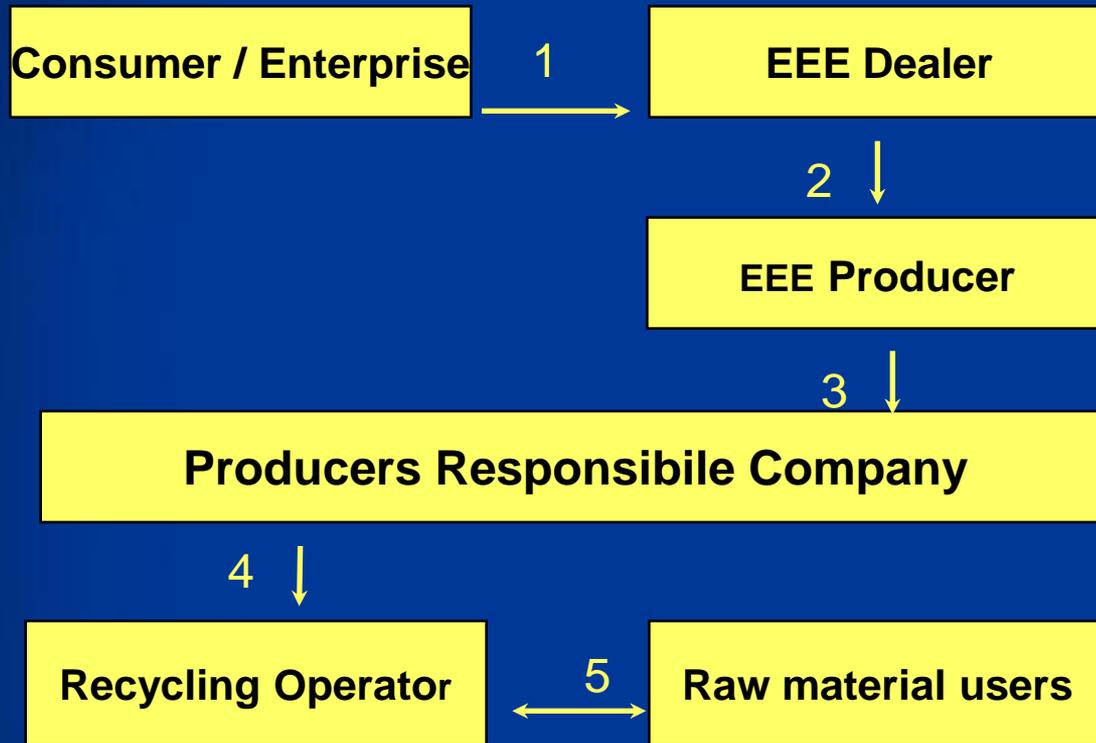
- WEEE material is split to 10 categories
 - Large household appliances
 - Small household appliances
 - IT and telecommunications equipment
 - Consumer equipment
 - Lightning equipment
 - Electrical and electronic tools
 - Toys, leisure and sports equipment
 - Medical devices
 - Monitoring and control instruments
 - Automatic dispensers

WEEE Directive main targets

- Reducing the amount of WEEE going to landfills and reducing the hazardous substances content of EEE
- Very strict rules how to treat WEEE material
- Targets for reuse , recycling and recovery in each category
 - Large household appliances 75 % reuse/recycling and 80% recovery
- Targets for collection 4kg/person (B2C equipment)



How the system works (\$)



1. Eco fee when consumer buys new equipment
2. Eco fee when Dealer buys equipment from Producer
3. Producers pays to PRC for handling the system
4. Operator send the bill for services
5. Raw material value +/-

How the system works (Finland and Sweden)

- Finland
 - 5 Producers Responsible Companies
 - Collective network and collection points
 - 450 collection points
 - Most collection points handled by municipalities
 - 5-7 operators (Kuusakoski biggest treats 50 % of material flow)
 - WEEE collected 10-11 kg / person



Producers Responsibility System

- Sweden
 - One Producers Responsibility Company (Elkretsen)
 - Collective network
 - 600 collection points
 - 6-7 operators (Kuusakoski market leader 50 %)
 - WEEE collected 16 kg /person
 - **World Record** (same level in Norway and Denmark)



What next....

- EU
 - The “recast” of WEEE directive
 - New targets
 - 45 % must be collected of material put on the market 2016
- U.S.
 - Landfill ban for WEEE
 - Most states have established new legislation
 - Legislation follow the footsteps from EU

A large, vibrant green number '7' is formed by a dense patch of grass growing on a dark asphalt surface. The grass is bright green and appears to be growing in a specific area, possibly a parking space or a designated zone, contrasting sharply with the grey and black tones of the pavement.

Kuusakoski makes the world greener

risto.pohjanpalo@kuusakoski.com