



WEEE Producer Responsibility Compliance in Sweden

El-Kretsen AB



The new Swedish regulation



- In force since August 13 2005
- Swedish EPA handles the national register
- All producers have to register.
- Foreign companies may register
 - Swedish legal representative required
- First date to register April 2006.



Unsolved legal issues



1. Definition of household products?
2. How to report, what entity: kg?
3. Financial guarantees?
4. Marking - How to identify the producer?
5. Clearing house ?
6. Pre-treatment regulations?



El-Kretsen



Service provider for companies
that have to comply to the
Swedish regulation

Importers and manufactures
(Foreign companies)



El-Kretsen AB



- A non-profit organization
- Owned by 20 trade associations
- In operation since 1 July 2001
- Manages nation-wide take back system
- Manage both B2B and B2C-products
- 700 members
- Covers 90 % of EEE sold in Sweden



What products does El-Kretsen provide services for?



- Household appliances
- Hand and garden tools
- ICT and office equipment
- Telecom equipment
- TV, audio and video equipment
- Photographic equipment
- Watches and clocks
- Games and toys
- Light sources and fittings for light
- Medical and laboratory equipment



El-Kretsen operations are financed by fees

**The importers and manufacturers
buy our services by becoming members**



4. Membership fee € 360
5. Annual fee € 52
6. Members report sales volume to El-Kretsen
7. El-Kretsen charges a fee
 - According to what type of product
 - Sales volume reported to El-Kretsen



Fee Structure

Cost/Fee structure

- Pre-treatment 65%
- Transportation 30%
- Admin 5%

New

- Collective Financial Guarantee, on top

Fee examples

Refrigerators/Freezers	€ 30 (FG incl.)
Microwave oven	€ 2,5(FG Incl.)
Vacuum cleaners	€ 1,5(FG Incl.)
Laptop computer	€ 0,33/Kg (No FG)
Mobile phones	€ 0,02 (No FG)



Collection system



- 87 000 tons WEEE collected and recycled in 2004,
 - i.e. 10 kg per inhabitant
- Cooperation with Swedish municipalities
- 1 000 collection sites
 - 700 open for households
 - 350 open for non-households
- Municipalities run additional local systems for households
 - Kerb side, call systems, in-house, etc
- Additional collection systems for large businesses, industries, and hospitals



Transport and pre-treatment



- All transport and treatment services provided by contractors
- All pre-treatment in Nordic countries
- All contractors are ISO-certified
- Logistic; all goods sorted in 3 fractions
 - Large white goods
 - Small/medium sized products (TV, radio, ICT, phones, small household appliances, tools, toys)
 - Lighting equipment



Collection and cost development

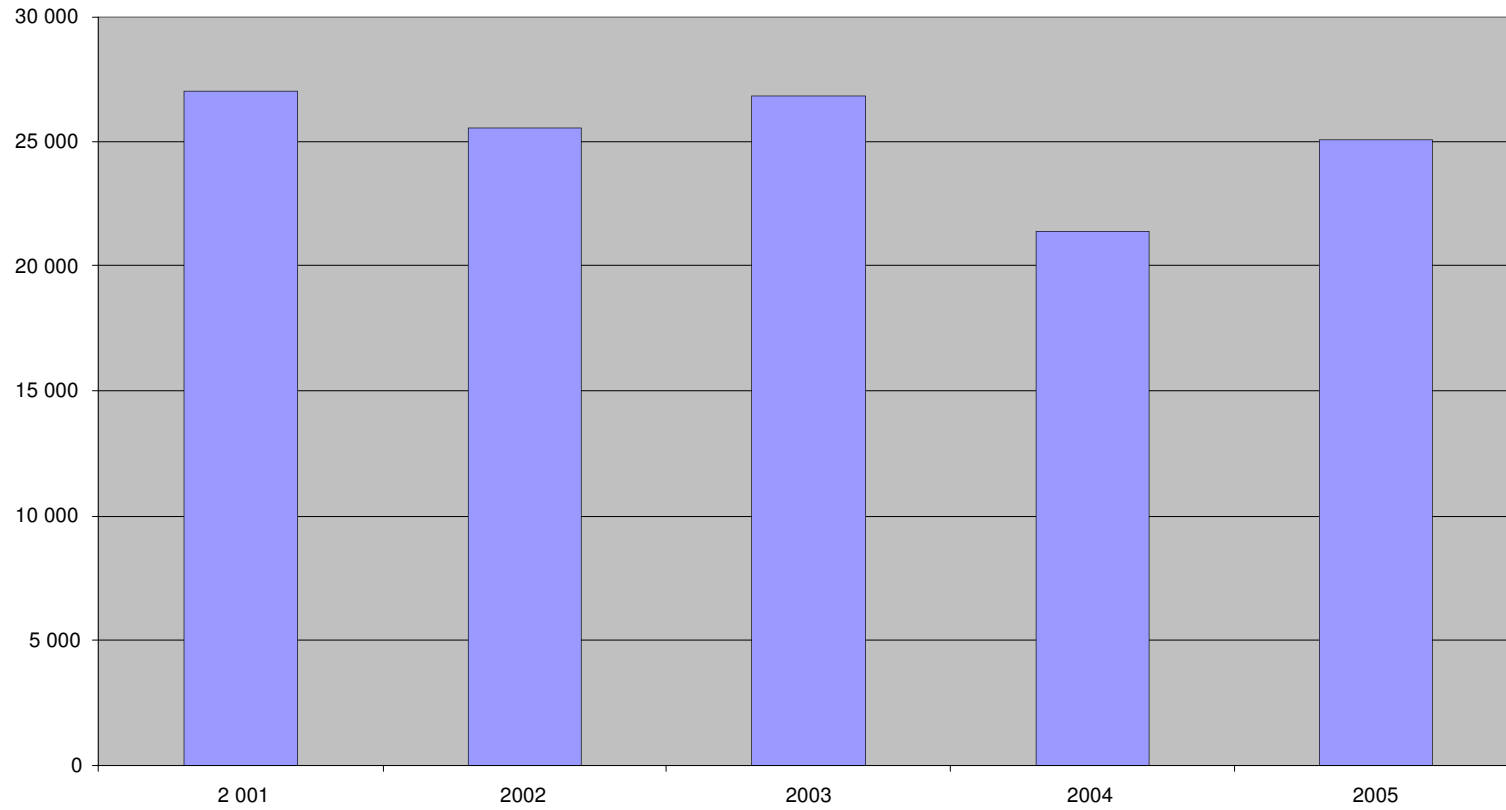
Long term Development for the ICT-product category

- Increase of sales in €
- Constant or decrease of reported volumes
- Increase in collected volumes

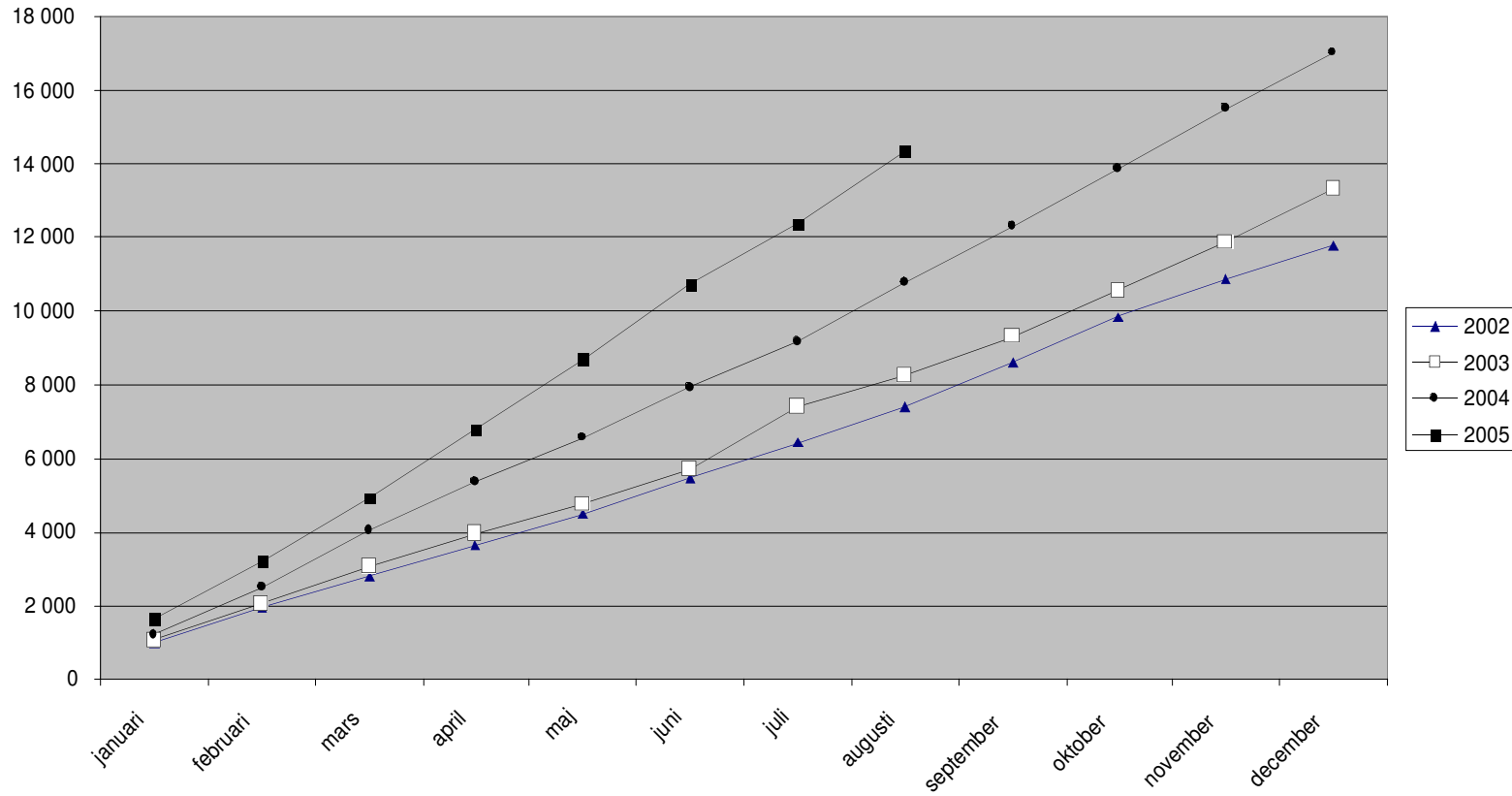


ICT

Reported sales volumes in tonnes 2001-2005



ICT Collected volume 2002-2005



ICT-Products

Price developement



- 2001 € 0,59/kg
- 2002-2003 € 0,39/kg
- 2004-2005 € 0,34/kg
- 2006
Computers € 0,03/kg
Monitors € 0,34/kg
Other IT € 0,24/kg
€ 0,19/kg (average)



Important success factors



El-Kretsen has to constantly lower costs to keep up with increasing volumes



Pressure on pre-treatment contractors – short turn contracts
12-24 months



Rationalization – sorting in fewer fractions

Demand for raw material





What has been the benefits of our system?



What is still to be improved?



Important benefits



- Support from Swedish business community
 - Owners do an important job in creating acceptance
 - Each sector decides debiting model
 - Each sector is involved in pricing
- Cooperation with municipalities
 - Cost efficient
 - Built on the existing waste management infrastructure
 - Easy for consumers and other end users
- Separation of product groups
 - Costs and revenues are kept separate for every single product group; no cross subsidiarity.



Still to be improved



The Swedish government has to:

- Organise market surveillance to provide stability.

El-Kretsen has to:

- Be more demanding towards the authorities
- Stop applying conditions that has no law backing
- Consider how to include re-use in our take back system
- Open up fore more competition??

