WEEE in Asia
- Current Status of WEEE Management -

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1-1. E-waste Management in Asia

Japan
- Laws/regulations for E-waste
- Closed-loop policy for recycling
- 49 facilities

Republic of Korea
- Act/regulations
- EPR with shared responsibilities
- 49 facilities

Philippines
- Act and manual for HW
- Informal facilities
- 17 TSD (licensed) facilities

Indonesia
- Regulation for HW
- Informal facilities
- Formal facilities

Mainland China
- WEEE Law
- Old for New Policy
- 105 dismantling facilities

Thailand
- National strategic plan
- Draft framework
- 30 formal facilities
- Act for Scheduled Wastes
- Classification guidelines for UEEE/WEEE
- 155 full and partial facilities

Hong Kong
- National Recycling Programme
- Voluntary mechanism
- Centralized facility

Vietnam
- Informal mechanism
- No licensed facility
- Sub-decree (in plan)
- Second-hand markets
- Informal facilities

Cambodia
- Sub-decree (in plan)
- Second-hand markets
- Informal facilities

Singapore
- National Recycling Programme
- Voluntary mechanism with licensed collectors
- 6 licensed facilities

ITU/UNEP E-waste, San Salvador, Honduras
<table>
<thead>
<tr>
<th>Country</th>
<th>Law</th>
<th>Collection</th>
<th>Facilities</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>Enforced</td>
<td>EPR/shared</td>
<td>Formal</td>
<td>Advanced system</td>
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<tr>
<td>Korea</td>
<td></td>
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<tr>
<td>Singapore</td>
<td>Voluntary</td>
<td>Voluntary/licenced</td>
<td>Formal</td>
<td>Industry</td>
</tr>
<tr>
<td>Thailand</td>
<td>In draft</td>
<td>Market</td>
<td>Informal</td>
<td></td>
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<tr>
<td>Hong Kong</td>
<td>Voluntary</td>
<td>Voluntary</td>
<td>Formal</td>
<td>Industry</td>
</tr>
<tr>
<td>China-Mainland</td>
<td>Enforced</td>
<td>EPR/shared</td>
<td>Formal/informal</td>
<td>Transition</td>
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<tr>
<td>Philippines</td>
<td>No/guidance</td>
<td>Market</td>
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<td></td>
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<tr>
<td>Malaysia</td>
<td>No/guidelines</td>
<td></td>
<td>Formal</td>
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<tr>
<td>Cambodia</td>
<td>In plan</td>
<td></td>
<td></td>
<td>Informal</td>
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<tr>
<td>Indonesia</td>
<td></td>
<td>Market</td>
<td></td>
<td>Mainly informal</td>
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<tr>
<td>The Ban Amendment</td>
<td>Cambodia</td>
<td>China</td>
<td>Hong Kong</td>
<td>Indonesia</td>
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<tr>
<td>Import of E-waste</td>
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<tr>
<td>Air Conditioner</td>
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<td>Copier</td>
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<tr>
<td>CRT TV sets</td>
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<tr>
<td>LCD TV sets</td>
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<tr>
<td>Microwave oven</td>
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<tr>
<td>Mobile phones</td>
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<td>PCs</td>
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<tr>
<td>Printed circuit board</td>
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</table>

R: Ratified; N: Not applied to the Ban Amendment; C: control; X: prohibition; -: Not signed for Ban Amendment, or No restriction for import of second-hand electronics.
2-1. TBM of E-waste in Asia - 1998-2000 National Reporting Data -

- DEFR
- KR
- JP
- HK
- MY
- ID

E-waste
Fluorescent lamps
Glass cullet
OA equipment, ink, toner
Ni-Cd batteries
Waste lead-acid

263t
280t
107t
729t
101t
70t
114t
40t

2-2. TBM of E-waste in Asia
- 2001-2003 National Reporting Data -

E-waste
Fluorescent lamps
Glass cullet
OA equipment, ink, toner
Ni-Cd batteries
Waste lead-acid

ITU/UNEP e-waste, San Salvador, Honduras
2-3. TBM of E-waste in Asia - 2004-2006 National Reporting Data -

E-waste
Fluorescent lamps
Glass cullet
OA equipment, ink, toner
Ni-Cd batteries
Waste lead-acid

ITU/UNEP E-waste, San Salvador, Honduras
2-5. TBM of E-waste in Asia - 1998-2009 Data -

E-waste
Fluorescent lamps
Glass cullet
OA equipment, ink, toner
Ni-Cd batteries
Waste lead-acid batteries

Export
Import

Export: 188,000 t
Import: 176,000 t


ITU/UNEP E-waste, San Salvador, Honduras
3. Conclusions

- Economy vs WEEE Management vs TBM Provisions

Import control of E-waste and no import restriction of second-hand electronics

Informal/TBM

Thailand
30 facilities

Philippines
17 TSD facilities

Malaysia
155 facilities

Indonesia
Some facilities

Vietnam
Some facilities

Cambodia
Informal facilities

Advanced system

Rep. Korea
Several facilities

Japan
49 facilities

Industries/TBM

Singapore
6 facilities

Transition

China
105 dismantling facilities

Hong Kong
Several facilities

Industry

GDP per Capita (USD)

0

10,000

20,000

30,000

40,000
Contact person: 

Thank you