



ASIAN NETWORK WORKSHOP 2015

Updates of National Regulation, Implementation Status and Import/Export Status In Malaysia



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23 - 25 November 2015, Singapore

OUTLINE

- 1 National Regulation & Policy**
- 2 Status of Transboundary Movement (TBM) of Schedule Wastes (SW) /Hazardous Wastes (HWs)**
- 3 Status of Take-Back or Ship Back of Illegal Shipment of Schedule Wastes (SW) /Hazardous Wastes**
- 4 E-Waste Management Scenarios in Malaysia**
- 5 Way forward in Handling Schedule Wastes (SW) /Hazardous Wastes**

LEGAL REQUIREMENT

1.	Section 34A – Environmental Impact Assessment	Requirement for all disposal/treatment/recovery facilities
2.	Section 34B, Environmental Quality Act 1974	Director General (DG) Written Approval Prior to Shipment
3.	Environmental Quality (Scheduled Wastes) Regulations 2005	List of Scheduled Waste and managing the waste
4.	<p>Custom Prohibition (Import) Order 2012</p> <ul style="list-style-type: none"> ▪ 3rd Schedule Part I item 55 for Toxic and/ or HWs <p>Custom Prohibition (Export) Order 2012</p> <ul style="list-style-type: none"> ▪ - 3rd Schedule Part I item 32 for Toxic and/ or HWs 	Import/Export with the DG of Environment approval
5.	Guidelines For The Classification of Used Electrical and Electronic Equipment in Malaysia, 2010	It requires functioning, no physical damage, proper packaging, and 3 or < 3 years after manufacturing date.
6.	Communications And Multimedia Act 1998 (Communication & Multimedia Technical Standards Regulations 2000)	Equipment with LAN, WIFI (networking apparatus)
7.	<p>Terms and Conditions for Type Approval Communication and Multimedia Product</p> <ul style="list-style-type: none"> ▪ SIRIM QAS International Sdn. Bhd. 	Type Approval is a Product Certification Scheme granted to a specific model of communications products which has complied with the Technical Specification or Malaysian Standard or International Standard or foreign standard of a national standards organization or Technical Checklist or Technical Declaration (association or industry standards or acceptable customer specification).

POLICY FOR IMPORT AND EXPORT OF SCHEDULED WASTE (SW)

Base on The Principal Of Basel Convention :

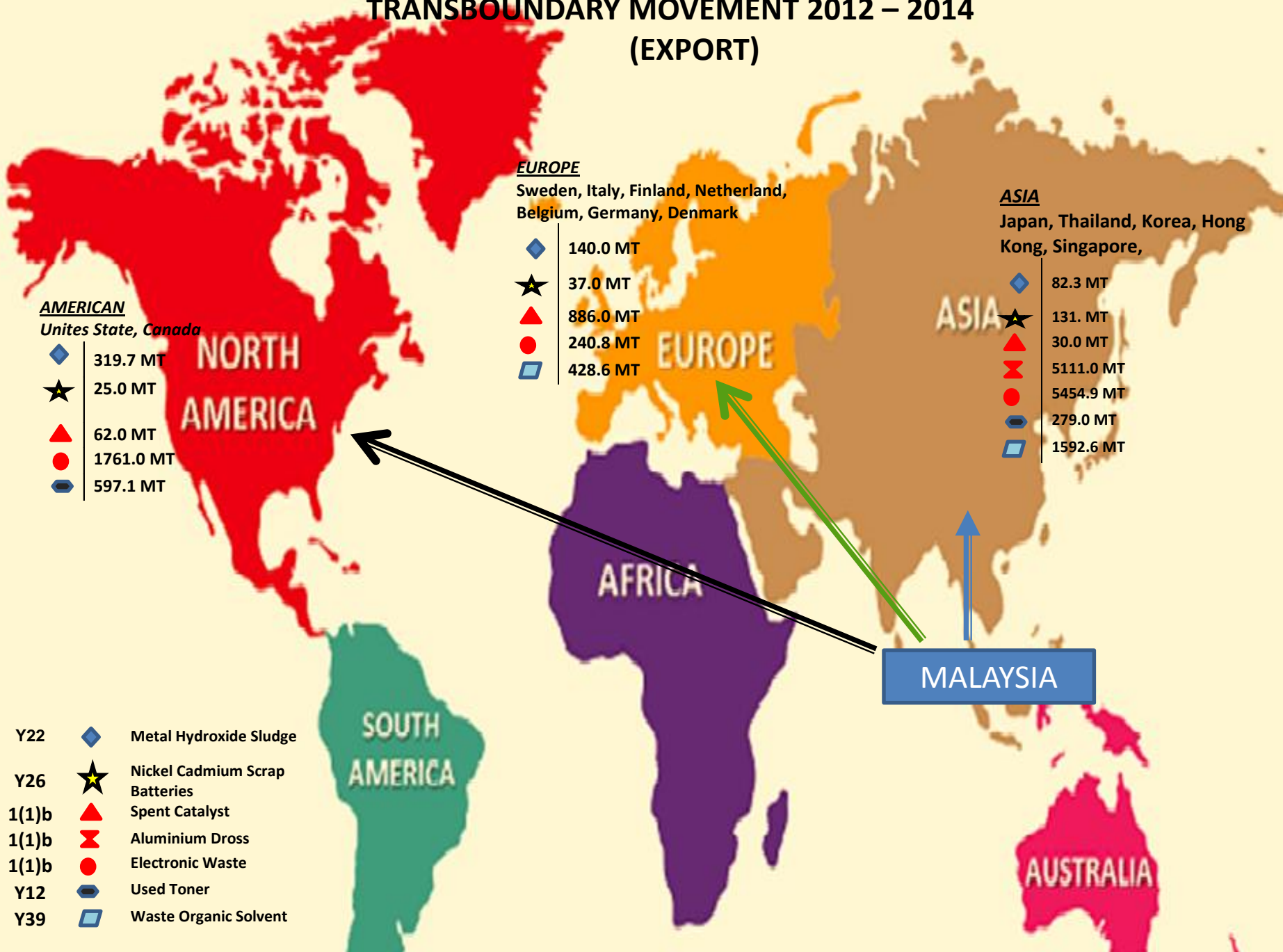
Import Policy:

- Malaysia does not allow any importation of hazardous waste/scheduled waste including e-waste for recovery and disposal (complying the BAN amendment).
- Used EEE that < 3 years from the date of manufactured that are functioning (good condition) and destined for direct re-use only can be imported.

Export Policy:

- Exportation of SW / HWs will be possible when no technology or recovery facilities available in Malaysia

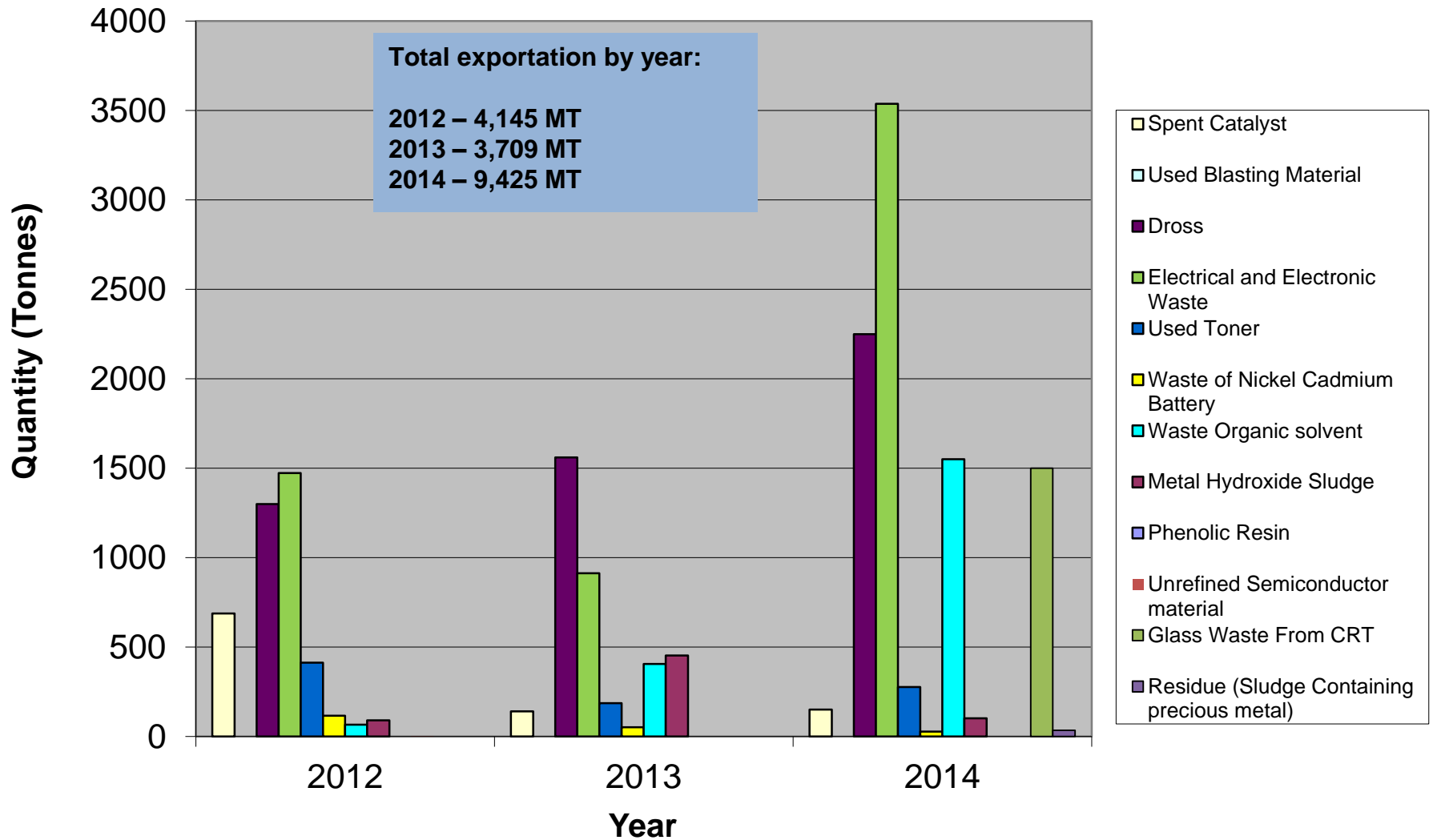
TRANSBOUNDARY MOVEMENT 2012 – 2014 (EXPORT)



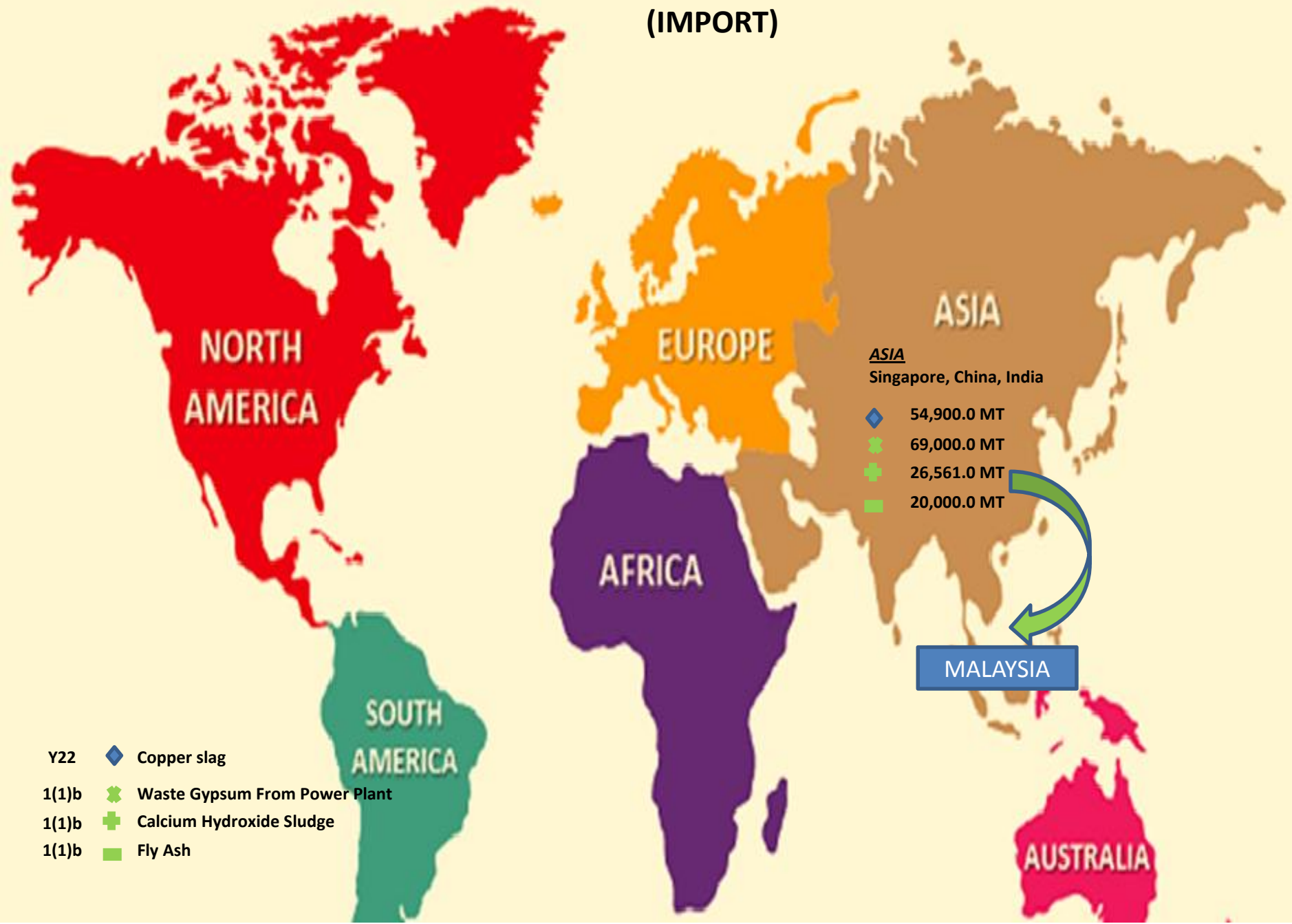
- Y22 Metal Hydroxide Sludge
- Y26 Nickel Cadmium Scrap Batteries
- 1(1)b Spent Catalyst
- 1(1)b Aluminium Dross
- 1(1)b Electronic Waste
- Y12 Used Toner
- Y39 Waste Organic Solvent

MALAYSIA

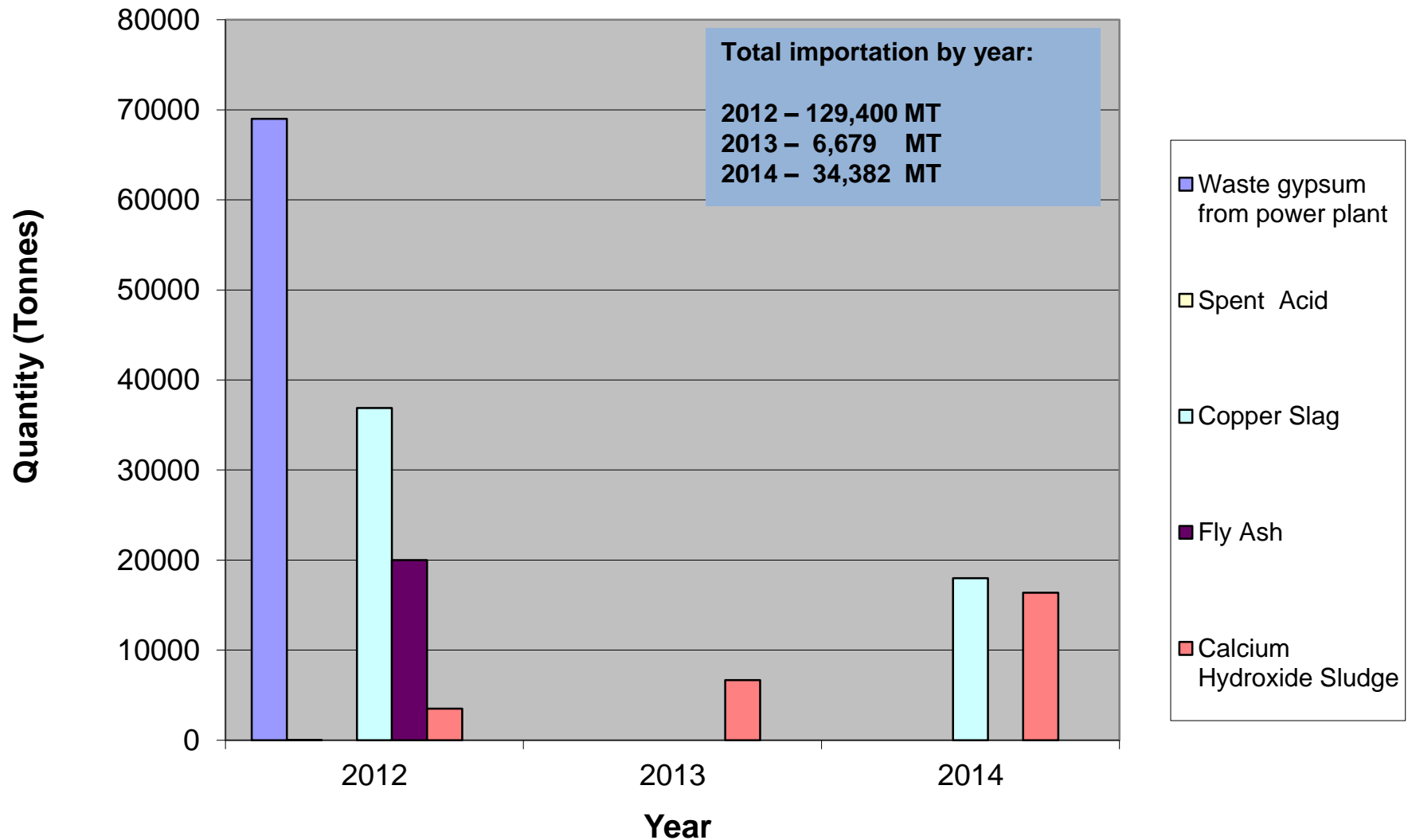
EXPORTATION OF SCHEDULED WASTES (SW CODE) FROM YEAR 2012 - 2014



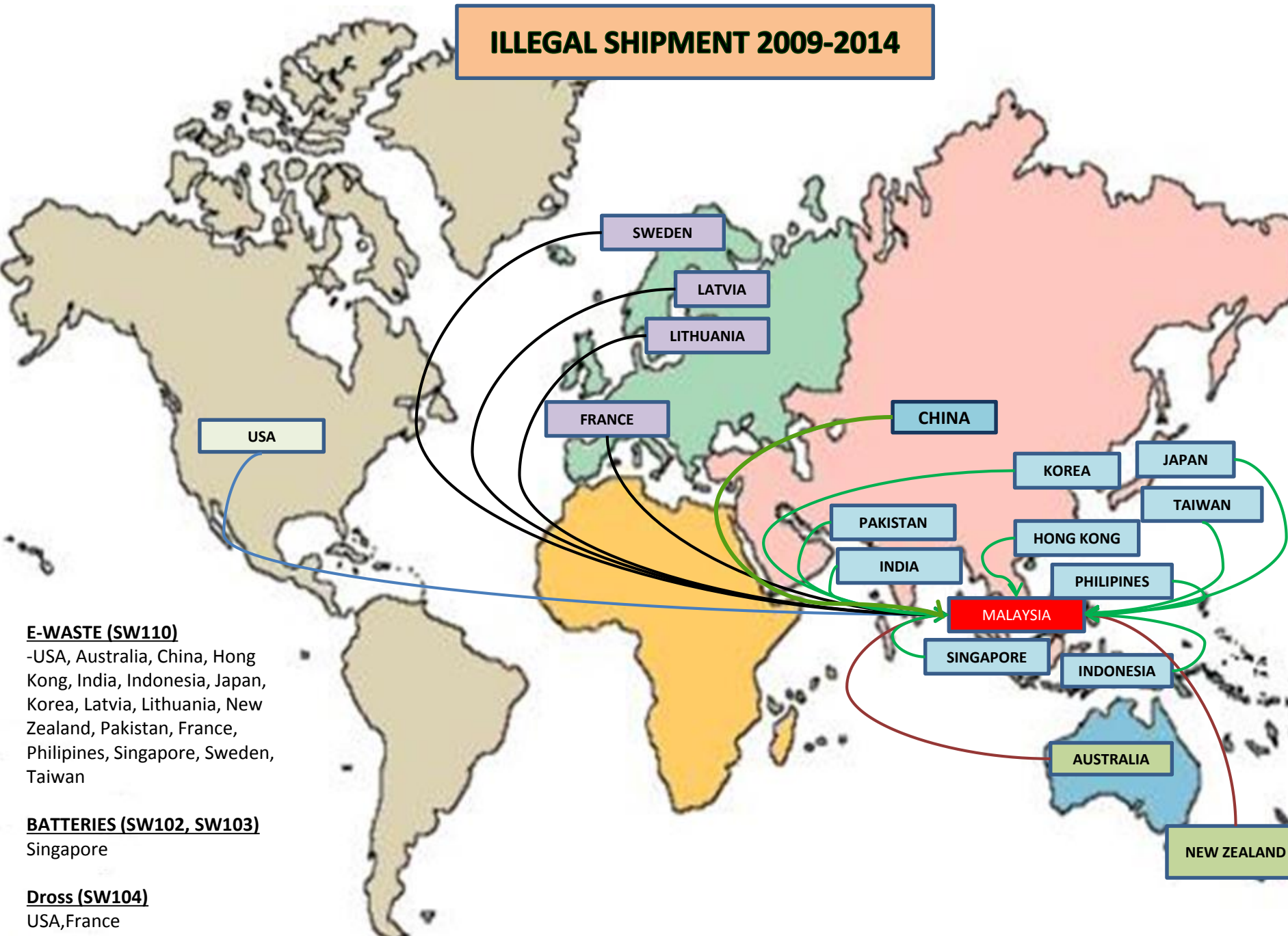
TRANSBOUNDARY MOVEMENT 2012 – 2014 (IMPORT)



IMPORTATION OF SCHEDULED WASTES (SW CODE) FROM YEAR 2012 - 2014



ILLEGAL SHIPMENT 2009-2014



E-WASTE (SW110)

-USA, Australia, China, Hong Kong, India, Indonesia, Japan, Korea, Latvia, Lithuania, New Zealand, Pakistan, France, Philippines, Singapore, Sweden, Taiwan

BATTERIES (SW102, SW103)

Singapore

Dross (SW104)

USA, France

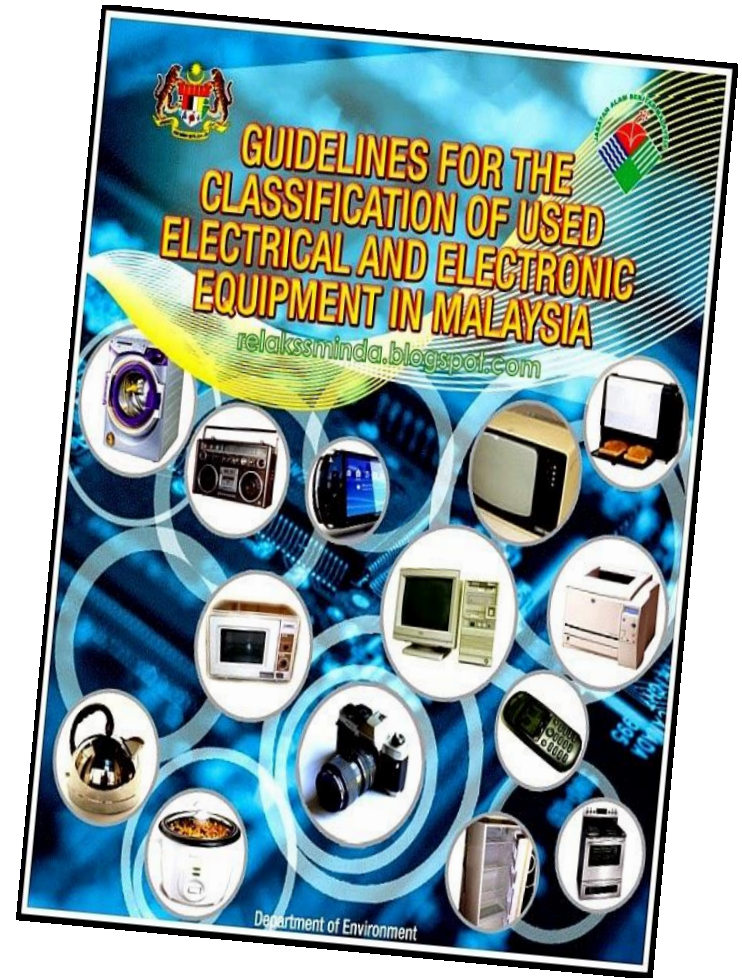
PROCEDURES FOR ARRANGING TAKE-BACK (ILLEGAL SHIPMENT)

- Standard Operating Procedures (SOP) Enforcement of Illegal Importation / Exportation of Scheduled Wastes (translation)
 - The SOP is a control document and only available in Malay language
 - Investigation
 - Notify the importer
 - *for them to communicate with their exporter to get back their wastes
 - Notify the CA of the export country



Guideline For The Classification of Used Electrical and Electronic Equipment in Malaysia

- A guideline to determine whether used electrical and electronic equipment or component proposed for export or import is categorized as e-waste;
- These guidelines are prepared in accordance to the requirement of Section 34B(3) of the Environmental Quality Act 1974.



<http://www.doe.gov.my/portalv1/en/info-untuk-industri/garis-panduan-buangan-terjadual/guidelines-for-the-classification-of-used-electrical-and-electronic-equipment-in-malaysia/311750>

Conditioned of Used EEE (2nd hand EEE) Imported to Malaysia



- Must be in good functionality and need to provide the certificate of inspection as a proof documentation;
- The electrical and electronic equipment or components must be less than three years (3) from the date of manufactured;
- The electrical and electronic equipments are for direct re-use (exceptional for minor refurbishment) ;
- Must be in good packaging to protect it from damage during transportation, loading and unloading operations;
- The importer must has a premise and complied with the regulation under Environmental Quality Act 1974.(in ensuring cradle to grave concept applied-in handling EOL /e-waste)

Criteria to distinguish UEEEs from e-Wastes

- a) Electrical and electronic components which are **not contaminated or non-dispersable** form such as metal or plastic casing of computer;
- (b) Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) which are **less than three (3) years from the date of manufactured** that are **functioning and destined for direct re-use, and not for recycling or recovery or final disposal**;
- (c) New and unused electrical and electronic equipment or components **made in Malaysia** that are returned by the importing countries as **defectives items**;
- (d) New electrical and electronic equipment or components **made in Malaysia** that are **returned as defective units for repair to the manufacturer (under warranty) with the intention of re-export**;
- (e) Blank wafers or non-patterned wafers or test wafers; and
- (f) Off-cut lead or copper frames **not contaminated with heavy metals** such as cadmium, mercury, lead, nickel, chromium, copper, lithium, silver and manganese or polychlorinated biphenyl.

France
Germany
Belgium
Spain
Turkey
New Zealand
Italy
Netherland



India

Japan

Australia
New Zealand



**EXPORTING
COUNTRY**

- Used Photostate Machine
- Used Vending Machine
- Used Computer/Laptop
- Used EEEs Parts
- Used Solar Panel

USA
Singapore

Terms and Condition Upon Approval

- All importation of used EEEs should be fully functional as tested by the supplier. A letter must accompany with the consignment note;
- Number of end-of life used EEEs should be sent to either partial or full recovery facilities licensed by the DOE;
- The importers must provide completed inventory records list of used EEE that have been imported. The inventory records should be kept for review and enforcement by Department of Environment;
- Inventory records of used EEE (number of End of Life of Used EEE sent to licensed premises by the DOE) shall be kept in accordance with the requirements of Regulation 11 of the Regulations of Environmental Quality (Scheduled Wastes) Regulations 2005; and
- Procedures for disposal of end-of-life used EEE should be based on Environmental Quality (Scheduled Wastes) Regulations 2005 and a disposal notification shall be submitted to the Department of Environment.

USED EEE PARTS PREMISE



Production area



Testing procedure in progress



Final products that need to
re-export



Residues that need to
re-export

VENDING MACHINE PREMISE



Machines need to assemble for the cleaning process



Refurbishment activities in progress



Testing process before delivery to the customers

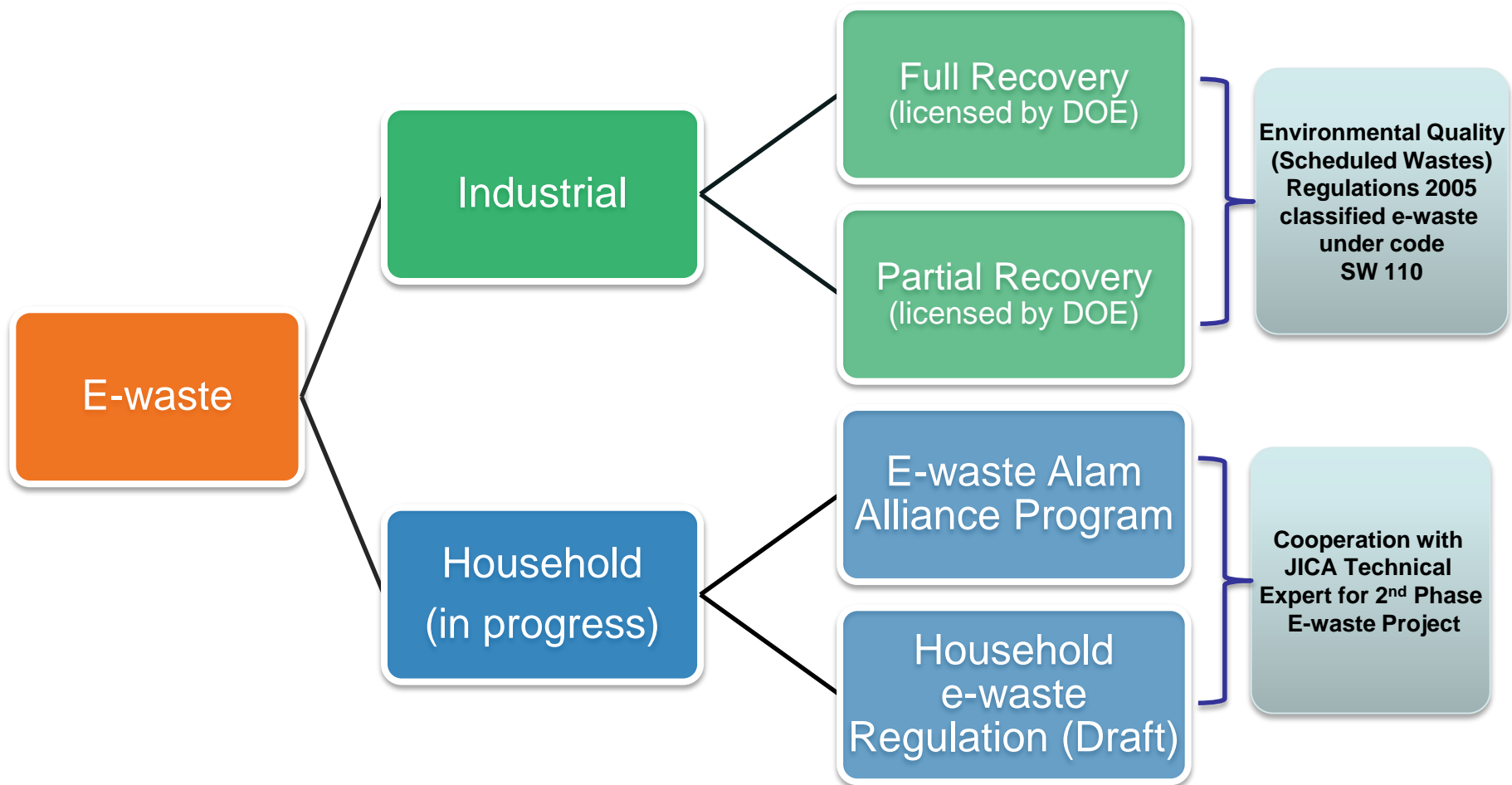
INSPECTION OF USED EEE PARTS PREMISE



ANNUAL INSPECTION OF IMPORTATION USED EEE WITH CUSTOMS DEPARTMENT & OTHER AGENCY



E-WASTE MANAGEMENT SCENARIOS IN MALAYSIA



With numerous approaches to deal with e-waste and various aspects to consider, DOE has sought the help of the Japan International Co-operation Agency (JICA) to determine which will work for Malaysia. The extension of technical cooperation to new project is strongly requested by Government of Malaysia to support and enhance the capacity of DOE towards finalization of the guidelines and operation of EPR model for the household E-waste management in Malaysia



TRANSFORMATIVE of E-WASTE MANAGEMENT

Develop capacity to manage recovery efforts in a sustainable manner.

2011

- Pilot Project,
2013 - Final Report

Develop schemes on the collection and segregation of e-waste, including take-back schemes

Cooperation between private and public sectors will enable the Government policies to be greatly enhanced

2013

~E-waste Alam Alliance Program
~ Activate Operation Steering Committee in Local State

Formalize the system on household E-waste management to minimize the adverse impacts caused by improper handling of household E-waste

2014

~Cooperation with the stakeholder/ consultation with:
*Toshiba Malaysia
*Senheng Electrical Sdn Bhd
*Shanpoornam Metal Sdn Bhd
*Meriahtek Sdn Bhd
~ Minilab/ Meeting with relevant agencies
~ Activation household E-waste program
~Raising Public Awareness

Deliver important economic and social outcomes

2015

~ Cooperation with JICA Technical Expert for 2nd Phase E-waste Project
~ Draft Household e-waste Regulation
~ Necessary Guidelines/ Guiding Document will be developed

Household e-waste Regulation 201x
Target: 2018

BRIEFING SESSION WITH STAKEHOLDERS

13th JANUARY 2015



**COURTESY CALL FROM MR. NAOKI MORI
(Leader Detailed Planning Survey Team, JICA HQ) &
The Team
21ST JANUARY 2015**



MINUTES OF MEETING SIGNING CEREMONY 22ND JANUARY 2015



Dato' Dr Ahmad Kamarulnajib Che Ibrahim (Deputy Director General DOE HQ)
&
Mr. Noaki MORI (Leader Detailed Planning Survey Team, JICA HQ)

THE JICA TECHNICAL COOPERATION PHASE II
“The Project for Development of Mechanism for Household E-waste
Management in Malaysia”
Record of Discussion Signing Ceremony on 6th March 2015



OUTPUTS

1. Mechanism for regularly updating the inventory of household E-waste is created
2. Guideline on effective collection of household E-waste for the Regulation is developed
3. Guideline on requirements for environmentally sound recycling for the Regulation is developed
4. Guideline on reporting system for managing household E-waste for the Regulation is developed
5. Guideline on the fee structure for sustainable collection and environmentally sound recycling of household E-waste for the Regulation is developed
6. Guideline for Fund Management Board for the regulation is developed
7. Pilot project on reporting system is conducted to verify the feasibility of the system as well as to provide inputs to the Guideline on reporting system
8. Awareness raising activities for relevant stakeholders are conducted
9. Capacity among DOE and related government agencies for sustainable household E-waste management is developed

THE LAUNCHING OF WEB PORTAL & INFO KIT FOR HOUSEHOLD E-WASTE MANAGEMENT IN MALAYSIA IN CONJUNCTION WITH MALAYSIA ENVIRONMENTAL WEEK 2015



Official Website of Household E-waste Portal, Department of Environment Malaysia

<http://www.doe.gov.my/household-ewaste/>

The screenshot shows the homepage of the Household E-waste Portal. The browser address bar displays www.doe.gov.my/household-ewaste/. The website header includes the logo of the Department of Environment Malaysia and the text "Household E-Waste Department of Environment Malaysia". The navigation menu contains links for HOME, About, Management, FAQ, News, and Contact. The main content area features a large heading: "Welcome to the Official Website of Household E-waste Portal, Department of Environment Malaysia". Below this, a paragraph explains that electrical and electronic waste (E-waste) is a global issue due to the growth of demand for electrical and electronic equipment, and that improper disposal can be hazardous. To the right, there is a graphic with the text "HOUSEHOLD E-WASTE" and "DEPARTMENT OF ENVIRONMENT MALAYSIA" alongside a recycling symbol. Below the graphic is a row of small images representing various waste management activities. At the bottom, there is a list of initiatives: "Government's Initiatives on Household E-waste", "Department of Environment Malaysia", "Japan International Cooperation Agency (JICA)", "E-waste Alam Alliance", and "E-waste Full Recovery Facility". Social media sharing options for Like, Tweet, and G+ are visible at the bottom left. Logos for "E-WASTE ALAM ALLIANCE", "JAKSEK ALAM SEKITAR MELAYU", and "jica" are displayed at the bottom right.

Household E-waste Promotion by Stakeholder

eWaste recycling Program

BE RESPONSIBLE TODAY FOR A BETTER FUTURE TOMORROW

Disposal of obsolete appliances in an environmentally friendly way to protect the Earth

For more information, please call 03-9281 4212 or log-on to www.sembang.com.my / www.semng.com.my

2 RESPONSIBLE WAYS TO DISPOSE THE WASTE

1. Carry-in unwanted Waste Items (Category A) > Sembang or senu > Receive Voucher

2. FREE Collection of old appliances (Category B)

What Electronics are Accepted?*

Category A (Carry-in)	Category B (Free Collection)
<ul style="list-style-type: none"> • Projector • LCD Monitor • Printer • DVD, VCD Player • Tablet PC • Mobile PC • Handphone • Smartphone 	<ul style="list-style-type: none"> • TV (Cable TV, LCD TV, LED TV, Plasma TV) • Washing Machine (Steam-Auto, Front Load, Top Load) • Refrigerator • Air-Cond (Split Inverse & Outdoor Unit) • Washer Dryer • Tumble Dryer

TOSHIBA
Leading Innovation >>>

GO GREEN

The Environment, Friendly Energy Saving

Help the environment. Help your community. Help my future.

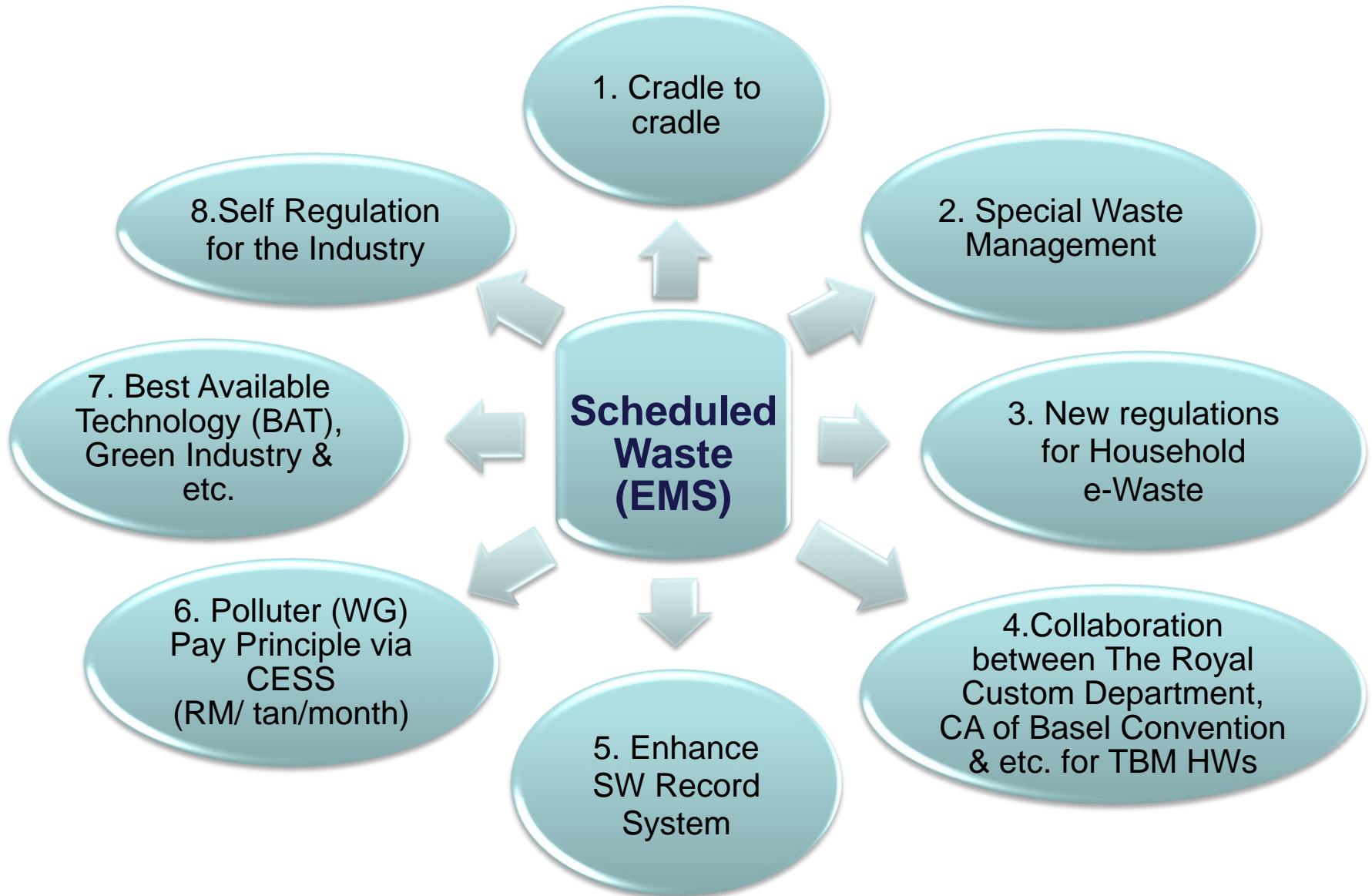


Household E-Waste Take Back Program

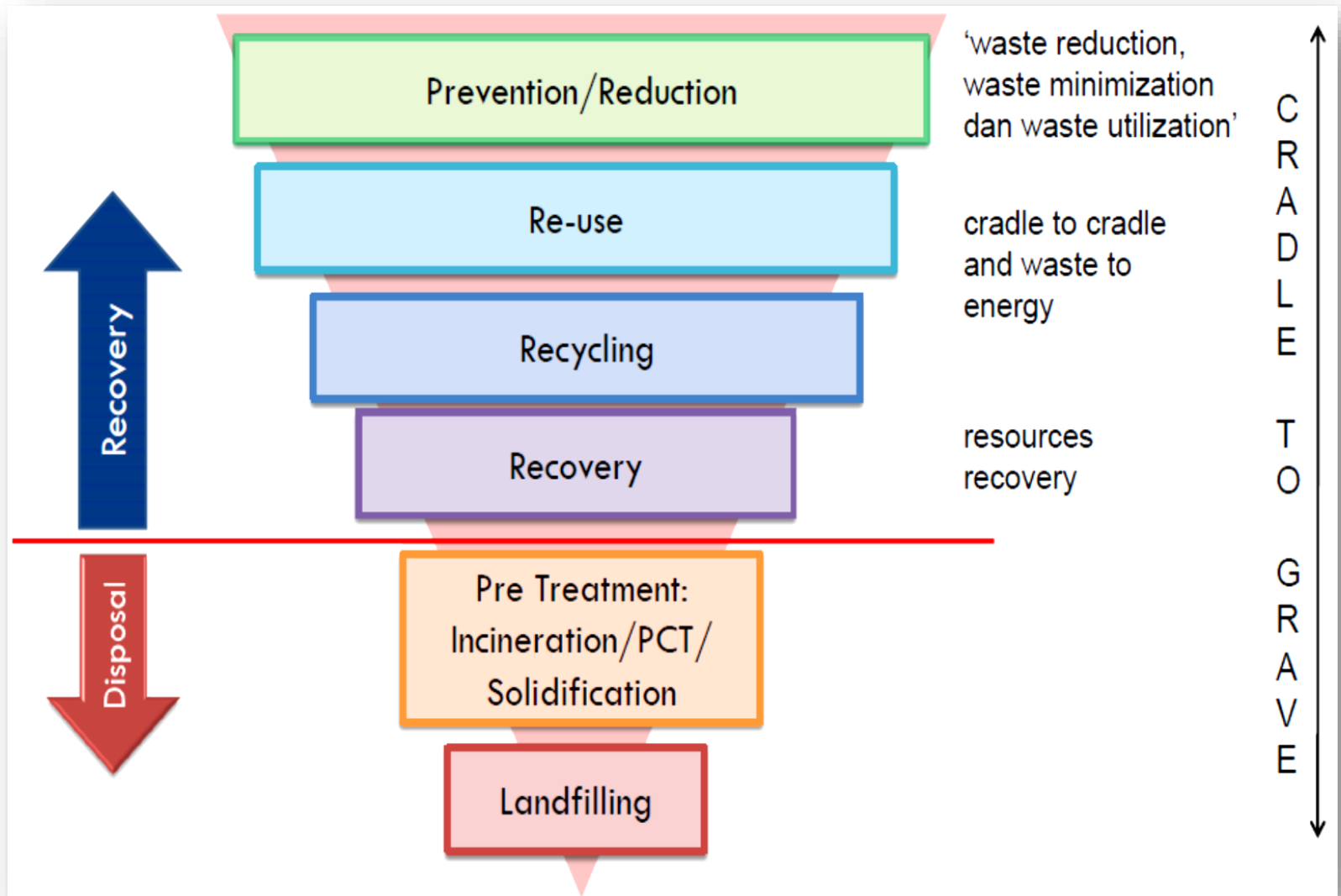
<p>1. Desktop (Monitor/CPU) 台式机 (台式机) 计算机 (台式机) RM 5.00</p>	<p>2. Mobile Phone/Smart Phone 手机 (手机) 手机 (手机) RM 2.00</p>	<p>3. Camera 相机 (相机) 数码相机 (数码相机) RM 10.00</p>
<p>4. Projector / Projektor 投影机 (投影机) 投影机 (投影机) RM 10.00</p>	<p>5. Printer / Mesin Pencetak 打印机 (打印机) 打印机 (打印机) RM 5.00</p>	<p>6. Keyboard / Mouse 键盘 / 鼠标 (键盘 / 鼠标) 键盘 / 鼠标 (键盘 / 鼠标) RM 2.00</p>
<p>7. Refrigerator / Peti Sejuk 电冰箱 (电冰箱) 电冰箱 (电冰箱) RM 10.00</p>	<p>8. Air Conditioner / Penghawa Dingin 冷气机 (冷气机) 冷气机 (冷气机) RM 15.00</p>	<p>9. Small Household Appliances / Peralatan Kecil Isi Rumah 小家电 (小家电) 小家电 (小家电) RM 10.00</p>
<p>10. CRT Television / LCD Television 液晶电视 (液晶电视) 液晶电视 (液晶电视) RM 10.00</p>	<p>11. Washing Machine / Mesin Basuh 洗衣机 (洗衣机) 洗衣机 (洗衣机) RM 15.00</p>	

*Prices are subject to change without prior notice.

WAY FORWARD IN HANDLING SCHEDULED WASTES



WAY FORWARD IN HANDLING SCHEDULED WASTES





www.doe.gov.my

baselca@doe.gov.my