



JABATAN ALAM SEKITAR
DEPARTMENT OF ENVIRONMENT

ASIAN NETWORK WORKSHOP 2016 SEMARANG, INDONESIA

Updates of National Regulation, Implementation Status of the Basel Convention In Malaysia

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OUTLINES



JABATAN ALAM SEKITAR
DEPARTMENT OF ENVIRONMENT

1

National Regulation & Policy

2

Status of Transboundary Movement (TBM) of Scheduled Wastes (SW) /Hazardous Wastes (HWs)

3

Status of Importation of Used EEE

4

E-Waste Management Scenarios in Malaysia

5

Household E-Waste Management in Malaysia



RELATED LAW AND REGULATIONS IN MALAYSIA



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<p>1. Section 34B, Environmental Quality Act 1974</p> <p>i) Section 34B(1)(b) – Import & Export</p> <ul style="list-style-type: none"> - Receive or send, or cause or permit to be received or sent any scheduled wastes in or out of Malaysia; or <p>ii) Section 34B(1)(c) – Transit</p> <ul style="list-style-type: none"> - Transit or cause or permit the transit of scheduled wastes 	<ul style="list-style-type: none"> ▪ Director General (DG) Written Approval Prior to Shipment
<p>2. Environmental Quality (Scheduled Wastes) Regulations 2005</p>	<ul style="list-style-type: none"> ▪ List of Scheduled Waste and managing the waste.
<p>3. Basel Convention on the Control of Transboundary movements of Hazardous Waste and Disposal, 1989</p>	<ul style="list-style-type: none"> ▪ Categories of waste to be controlled under Basel Convention Annexes ▪ Prior Informed Consent & notification according to the provision of the Basel Convention ▪ Ban Amendment
<p>4. 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 	<ul style="list-style-type: none"> ▪ Import/Export with the DG of Environment approval.



POLICY OF TBM OF SCHEDULED WASTES (SW)/HAZARDOUS WASTES (HWs) IN MALAYSIA



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PROHIBITION OF EXPORT (cont.)

- To any point south of 60 degrees South latitude
- To any state which has imposed a Ban on the import of such waste
- Wastes will not be managed in an environmentally sound manner
- To any state which is not a party to Basel Convention (except for bilateral, multilateral or regional agreement)



POLICY OF TBM OF SCHEDULED WASTES (SW)/HAZARDOUS WASTES (HWs) IN MALAYSIA



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PROHIBITION OF IMPORT (cont.)

- A ban or prohibition is declared by the State of import
- Lack of capacity/infrastructure/trained personnel in the state of import
- Facilities or persons are not authorized to transport or dispose the wastes
- The wastes will not be managed in an environmentally sound manner in the state of import



POLICY OF TBM OF SCHEDULED WASTES (SW)/HAZARDOUS WASTES (HWs) IN MALAYSIA



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State of export does not have the technical capacity and necessary facilities



The wastes are required as a raw material for recycling or recovery



The transboundary movement is in accordance with other criteria decided by the Parties

MOVEMENT OF HAZARDOUS WASTE ONLY BE ALLOWED IF :



Generation of hazardous wastes at the country of export



Transportation of hazardous wastes



Shipment of hazardous wastes



Receiving facility at the country of import

POLICY OF IMPORTATION OF USED EEE IN MALAYSIA



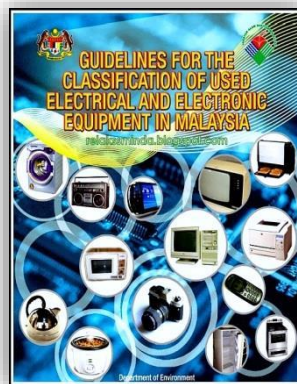
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Destined for failure analysis /repair

- New and unused** electrical and electronic equipment or components **Made in Malaysia** returned as defective units
- New** electrical and electronic equipment or components (**under warranty**) **Made in Malaysia** returned as defective units
- Intention of re-export** (to be returned to the original country of export)

Destined Direct-Reuse

- Age of the Used EEE **less than 3 years** from date of manufactured
- Good functionality** and need to provide the **certificate of inspection**
- 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

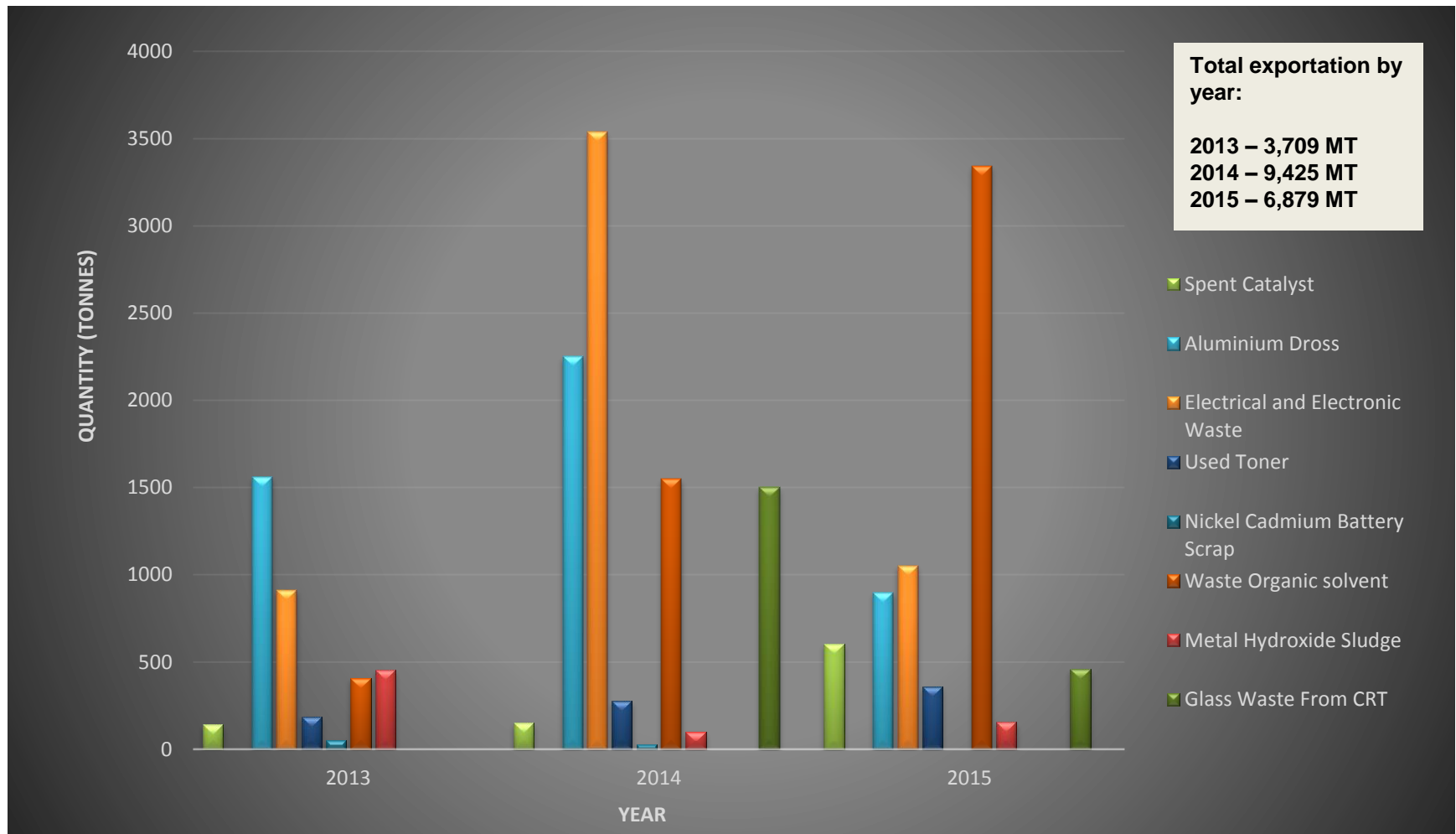


STATUS OF TBM OF SCHEDULED WASTES (SW)/HAZARDOUS WASTES (HWs) IN MALAYSIA



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EXPORTATION OF SW FROM YEAR 2013 - 2015



TRANSBOUNDARY MOVEMENT FROM 2013 TO 2015 IN MT

(EXPORT)

<u>BE,SE,FI,IT,NL,GE,FR</u>			
◆	Y22	Metal Hydroxide Sludge (SW204)	100.0
◆	Y26	Nickel Cadmium Scrap Batteries (SW103)	27.0
◆	Y39	Waste Organic Solvent (SW322)	484.8
◆	1(1)b	Metal Oxide Dust (SW104) Electronic Waste (SW110) Spent Catalyst (SW202)	1,648.8

<u>KR, JP, TH, SG, HK</u>			
◆	Y22	Metal Hydroxide Sludge (SW204, SW501)	117.3
◆	Y26	Nickel Cadmium Scrap Batteries (SW103)	26.3
◆	Y12	Used Toner (SW418)	276.7
◆	Y39	Waste Organic Solvent (SW322)	4814.2
◆	1(1)b	Aluminium Dross (SW104) Electronic Waste (SW110, SW421)	10,068.1

MALAYSIA

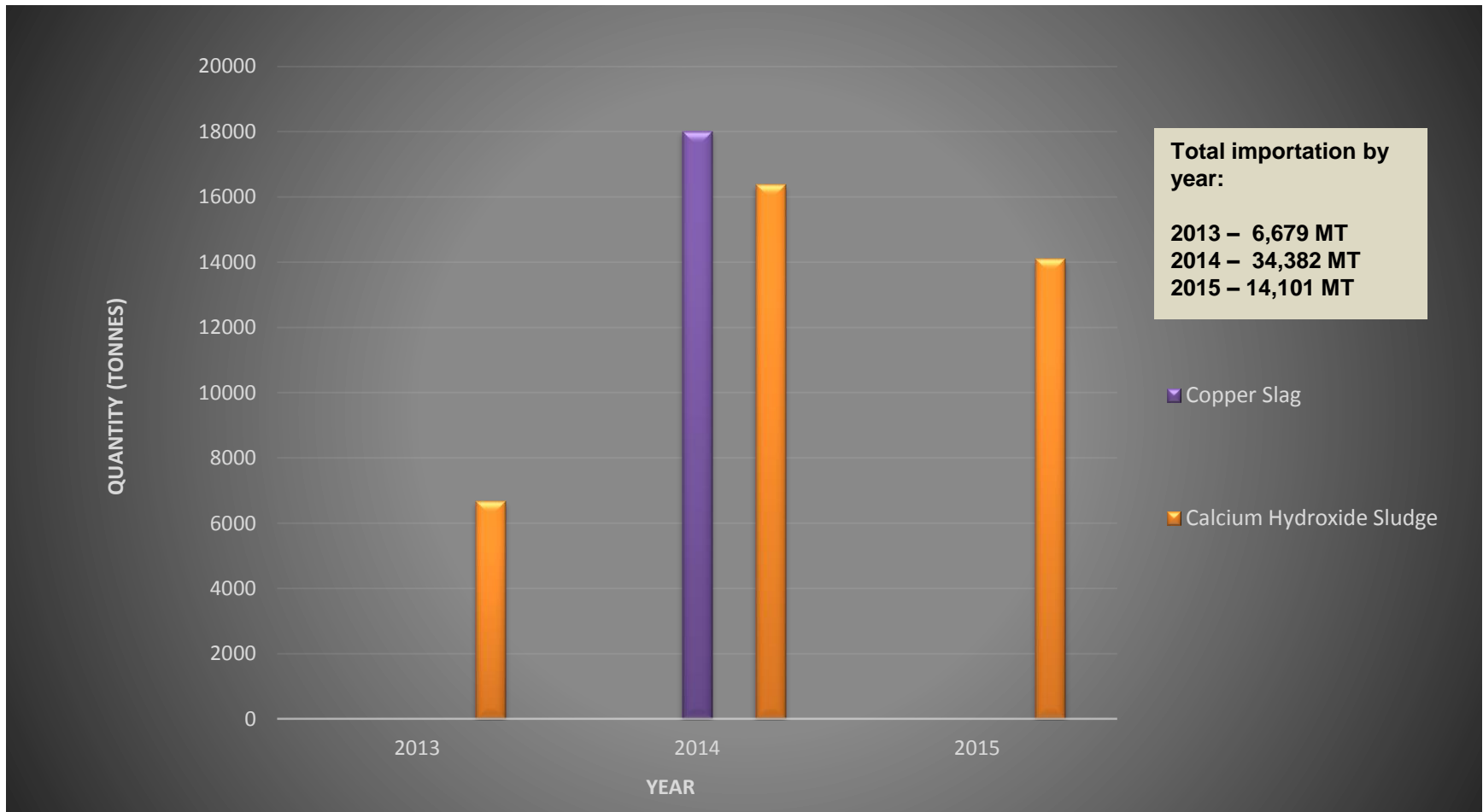
<u>US, CA</u>			
◆	Y22	Metal Hydroxide Sludge (SW204)	501.7
◆	Y26	Nickel Cadmium Scrap Batteries (SW103)	25
◆	Y12	Used Toner (SW418)	546.8
◆	1(1)b	Spent Catalyst (SW202) Electronic Waste (SW110)	1376.70

STATUS OF TBM OF SCHEDULED WASTES (SW)/HAZARDOUS WASTES (HWs) IN MALAYSIA



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IMPORTATION OF SW FROM YEAR 2013 - 2015



TRANSBOUNDARY MOVEMENT FROM 2013 TO 2015 IN MT

(IMPORT)

MALAYSIA

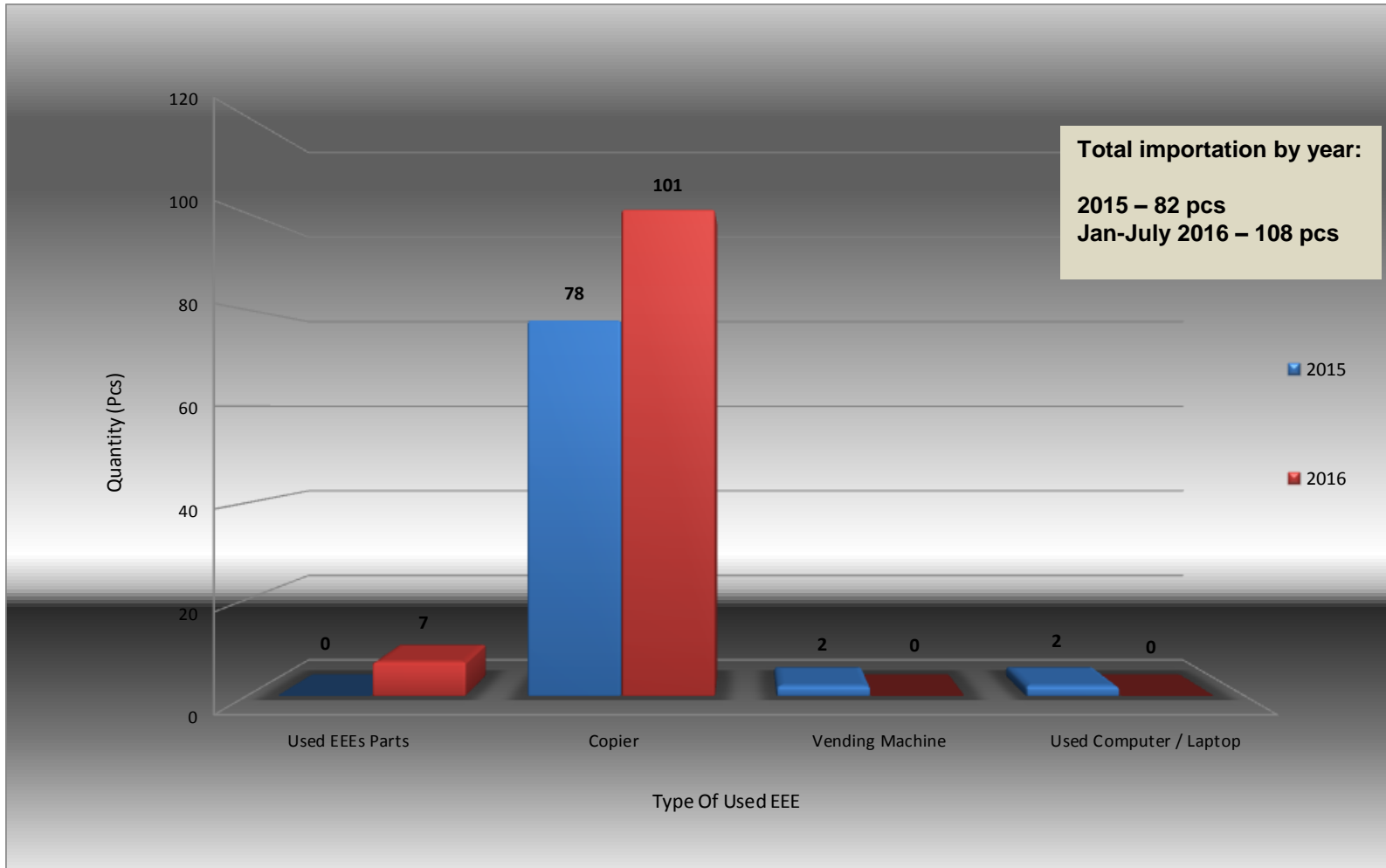


SG, Indonesia

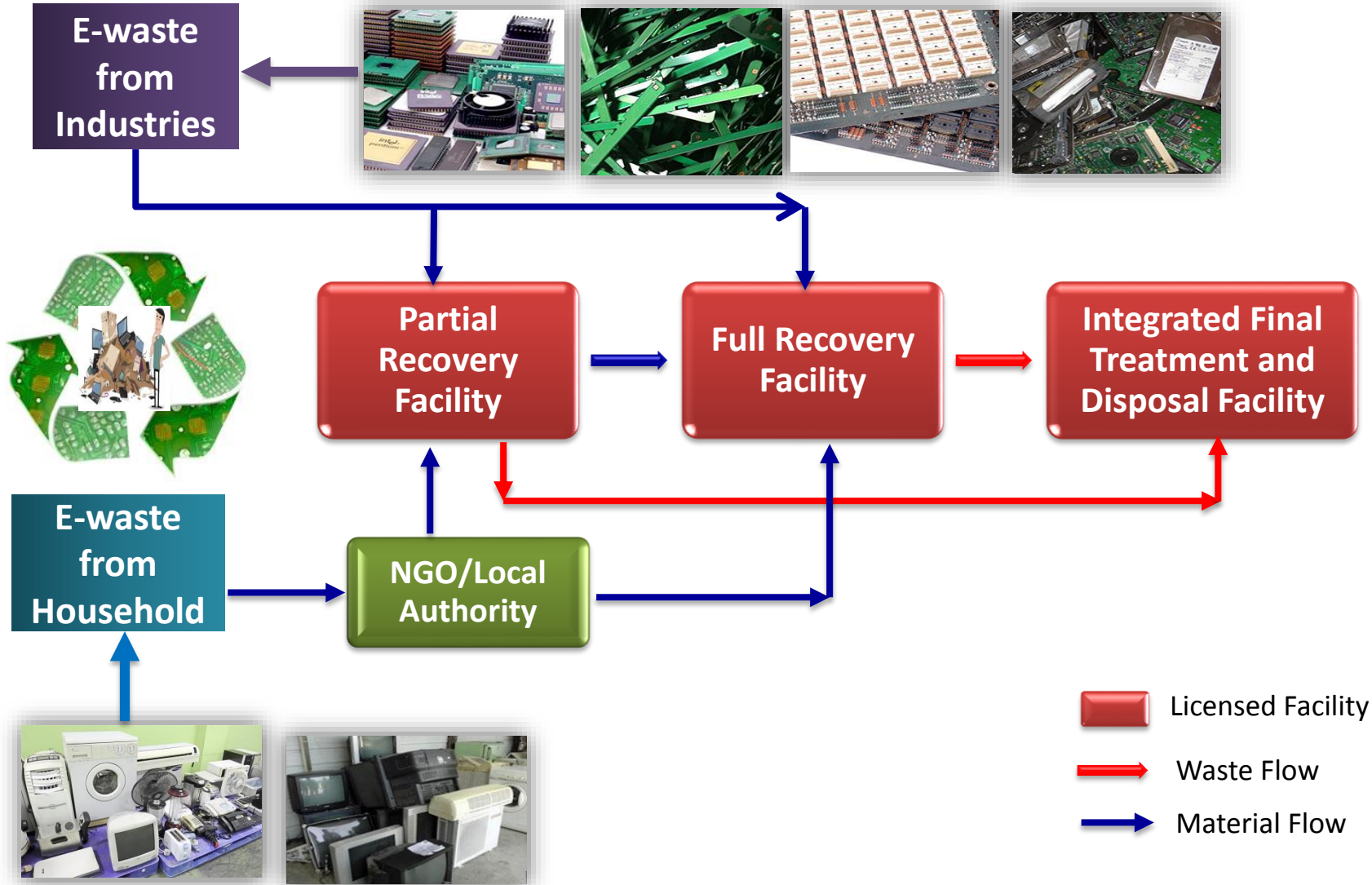
◆	Y22	Copper Slag (SW104)	18000
◆	1(1)b	Calcium Hydroxide Sludge (SW427)	37612

STATUS OF IMPORTATION OF USED EEE

IMPORTATION OF USED EEE FROM JANUARY 2015 TO JULY 2016



E-WASTES MANAGEMENT IN MALAYSIA



E-WASTES FACILITY IN MALAYSIA

No.	State	Number of E-waste Facility (as at 18 July 2016)	
		Partial E-waste	Full recovery E-waste
1	JOHOR	10	7
2	KEDAH	10	1
3	KELANTAN	0	0
4	MELAKA	11	5
5	NEGERI SEMBILAN	4	3
6	PAHANG	0	0
7	PULAU PINANG	26	9
8	PERAK	1	2
9	PERLIS	0	0
10	SELANGOR	23	4
11	TERENGGANU	0	0
12	SABAH	0	0
13	SARAWAK	7	1
14	W/P KUALA LUMPUR	4	0
15	W/P LABUAN	1	0
	TOTAL (129)	97	32

HOUSEHOLD E-WASTES MANAGEMENT IN MALAYSIA



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IMPLEMENTATION SCHEDULE OF THE HOUSEHOLD E-WASTES PROJECT IN MALAYSIA



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Time frame of Phase 2 Project: August 2015 – February 2018

- Phase 1 of the Phase 2 Project: August 2015 – February 2017
- Phase 2 of the Phase 2 Project: January 2017 – February 2018



August 2015

- Kick off of the Phase 2 Project.
- Identifying the current flow of e-waste management in Malaysia.
- Data collection of relevant data on e-waste.
- Set up Task Force team.

2016

- Development of the household e-waste inventory.
- Formulation of the guidelines for household e-waste collection, recycling and reporting system.

2017

- Formulation of the guidelines for household e-waste recycling fees & recycling fund.
- Pilot project on household e-waste in Malaysia.
- Implementation of Awareness Raising Plan & Programme.
- Implementation of training programme.

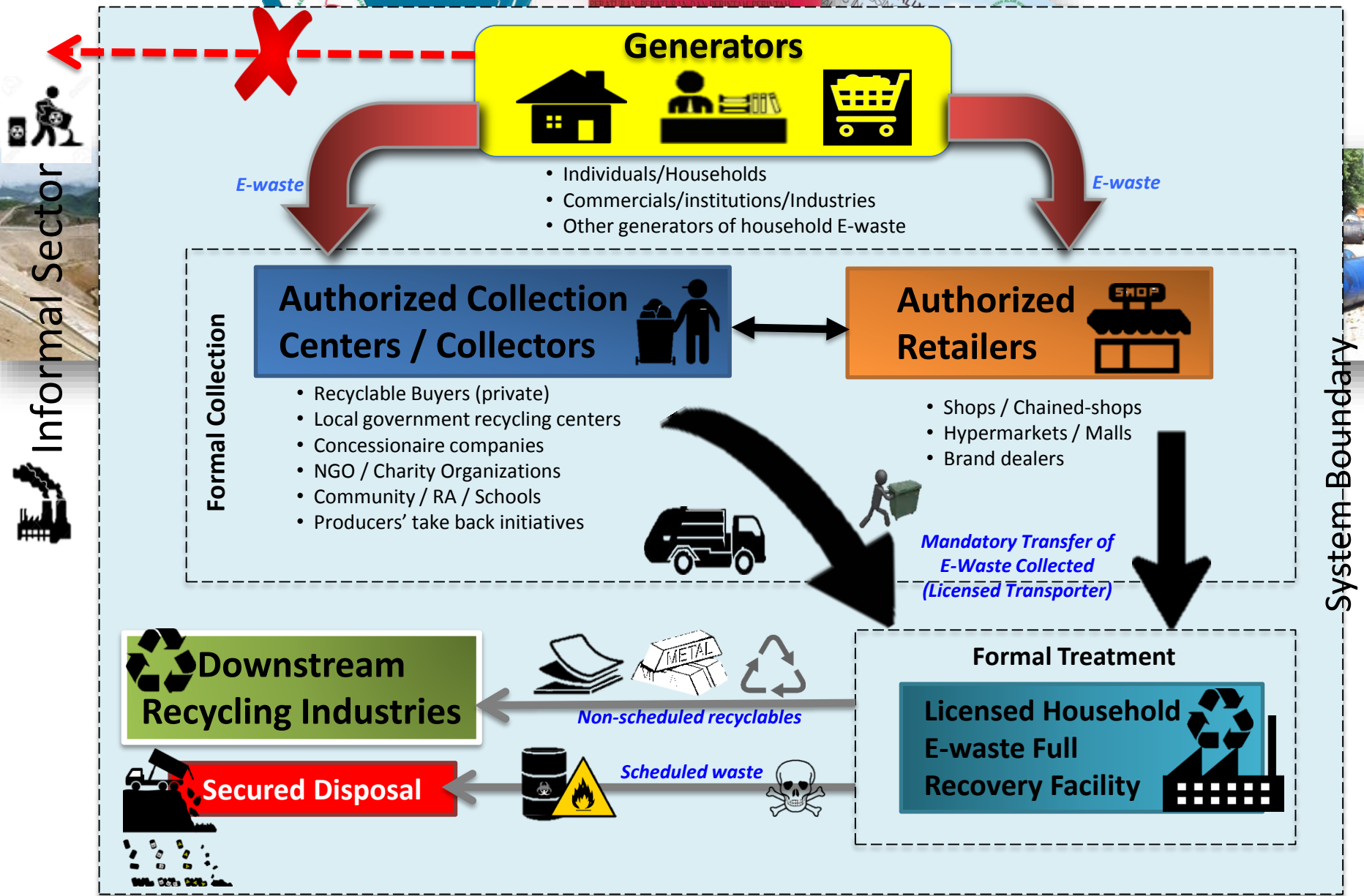
2018

- Gazette the Household E-waste Regulation 201x



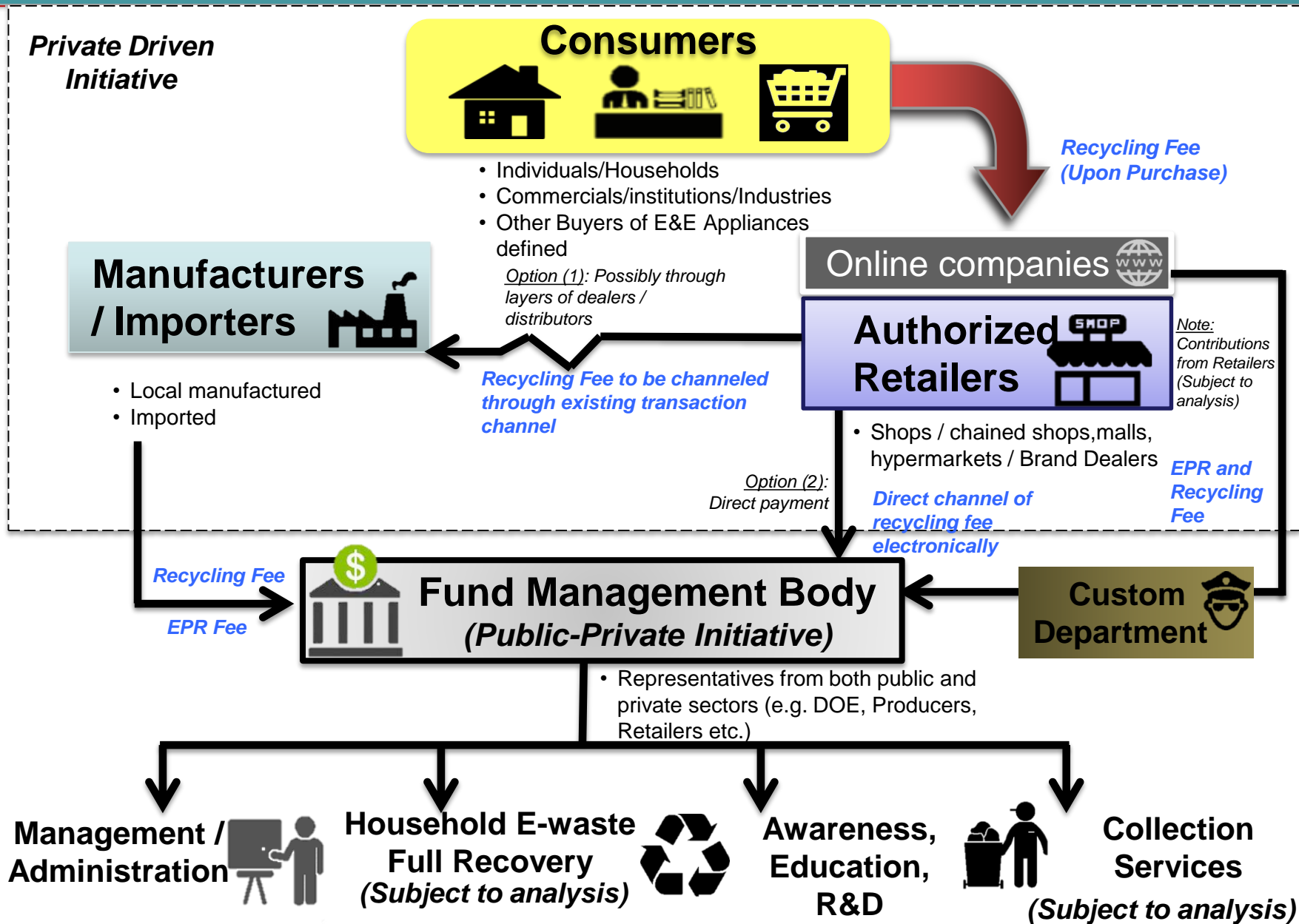
E-waste Flow

(updated 28 April 2016)



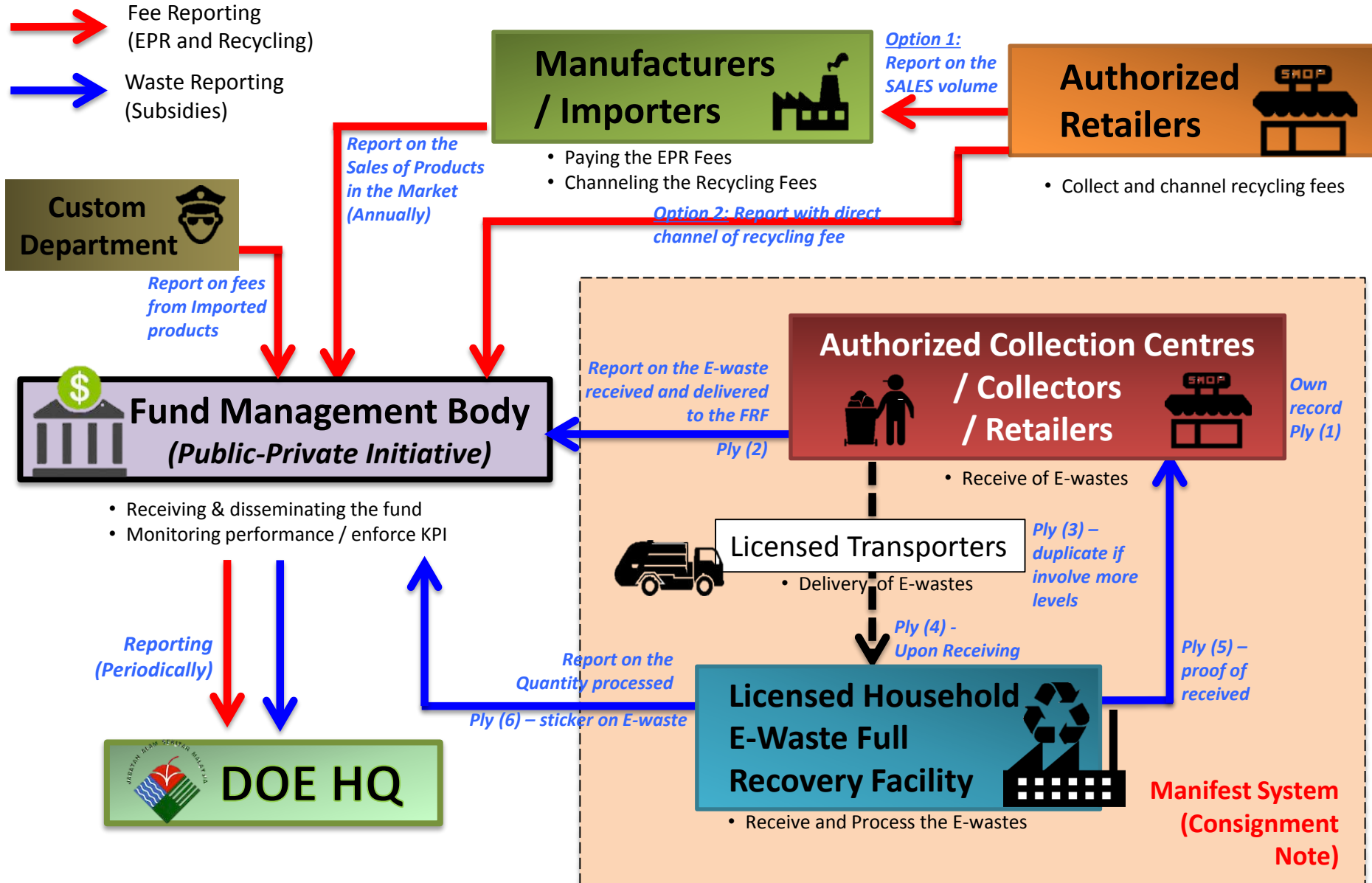
Fee Flow

(updated 28 April 2016)



Reporting Flow

(updated 28 April 2016)



OUTPUT



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1. Household E-waste Inventory
2. Guidelines for household E-waste collection
3. Guidelines for household E-waste recycling
4. Guidelines for establishment of E-waste recycling reporting system (manifest system)
5. Guidelines for determination of the recycling fees of household E-waste
6. Guidelines for establishment and management of household E-waste recycling fund
7. Pilot project on household E-waste collection and recycling
8. The nation-wide awareness raising activities on household E-waste recycling
9. The capacity development on household E-waste management among the relevant stakeholders



Thank
you



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