

IMPORTATION OF METAL SCRAP INSPECTION

KHAIZURAN MOHD SALLEH
ENGINEERING INSPECTION GROUP, ICCS 1.
27th September 2023





Outline of Presentation

01

INTRODUCTION

02

APPLICABLE HS CODE

03

**IMPORTATION METHODS FOR
METAL SCRAP AND PROCESS
FLOW**

04

COA PROCESS FLOW

05

PRE- SHIPMENT INSPECTION

06

POST-SHIPMENT INSPECTION

07

CONCLUSION

INTRODUCTION

The importation of all metal scraps into Malaysia comes under the purview of the Ministry of International Trade and Industry (MITI) and are subject to the issuance of a Certificate of Approval (COA) by SIRIM as per the Customs (Prohibition of Imports (Amendment)(No.2) Order 2022.

All scrap metal intended to be imported into Malaysia are subject to inspection process and issuance of Certificate of Approval (COA).

**Guideline for Importation and
Inspection of Metal Scrap (JANUARY
2022 EDITION NO: 1)**

<https://www.sirim-qas.com.my/wp-content/uploads/2022/01/Guidelines-for-Importation-and-Inspection-of-Metal-Scrap-rev07012022-CLEANCOPY.pdf>

APPLICABLE HS CODE

Metal Scrap

HS Code 7204
: Ferrous
waste and
scrap;
remelting
scrap ingots of
iron or steel

HS Code 7404
: Copper waste
and scrap

HS Code 7602
: Aluminium
waste or scrap



METAL SCRAP



Type of Ferrous Metal Scrap



HEAVY MELTING STEEL
over ¼" thick.



BUSHELING
Unpainted, new production scrap
smaller than 12" and nothing coated on,



CAST IRON
Coil or old water piping, castings or plates from
machinery.



BUNDLES



SHREDDED SCRAP.
Homogeneous iron and steel scrap,
magnetically separated,



RAILROAD FERROUS SCRAP

Type of Non-Ferrous Metal Scrap (Aluminum)



ALUMINUM EXTRUSION



ALUMINIUM TRUCK WHEELS



SHREDDED ALUMINUM USED
BEVERAGE CAN (UBC) SCRAP



ALUMINUM RADIATORS



SHREDDED NONFERROUS
SCRAP (zorba)



TURNINGS SCRAP

Type of Non-Ferrous Metal Scrap (Copper)



BARE BRIGHT COPPER
(BERRY)



COPPER NO. 1 (CANDY)



COPPER NO. 2 (BIRCH/CLIFF)



COPPER NO. 3 (LIGHT
COPPER)



COPPER RADIATORS (TALK)



COPPER WIRE

ALLOWABLE CRITERIA FOR METAL SCRAP

a) HS Code 7204 (Ferrous waste and scrap; remelting scrap ingots of iron or steel)

No	Criteria Grouping	Requirement (% by weight)
1.	Solid Ferrous	Minimum: 94.75%
2.	Solid Non-Ferrous	Maximum: 5.0 %
3.	Other recoverable materials including plastic	Maximum: 0.25%
4.	Scheduled waste including electrical and electronic	0%
	Total	100%

b) HS Code 7404 (Copper waste and scrap)

No	Criteria Grouping	Requirement (% by weight)
1.	Solid Non-Ferrous (Copper only)	Minimum: 94.75%
2.	Solid Ferrous and other Non-Ferrous	Maximum: 5.0 %
3.	Other recoverable materials including plastic	Maximum: 0.25%
4.	Scheduled waste including electrical and electronic	0%
	Total	100%

c) HS Code 7602 (Aluminium waste or scrap)

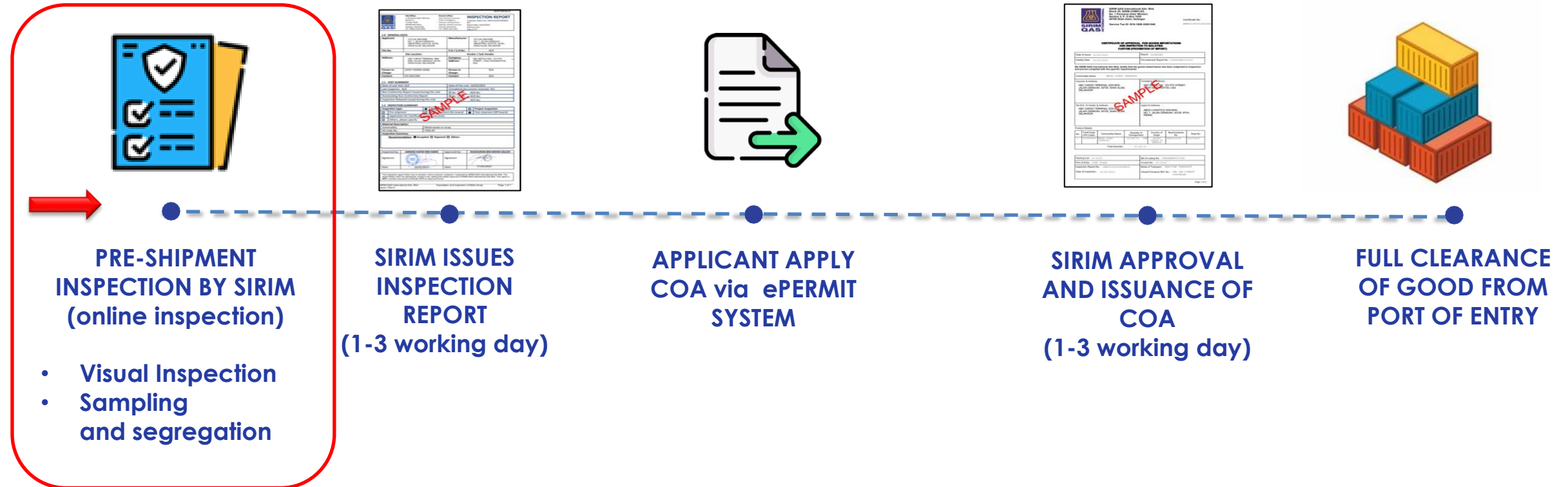
No	Criteria Grouping	Requirement (% by weight)
1.	Solid Non-Ferrous (Aluminium only)	Minimum: 94.75%
2.	Solid Ferrous and other Non-Ferrous	Maximum: 5.0 %
3.	Other recoverable materials including plastic	Maximum: 0.25%
4.	Scheduled waste including electrical and electronic	0%
	Total	100%

IMPORTATION METHODS FOR METAL SCRAP & WASTEPAPER

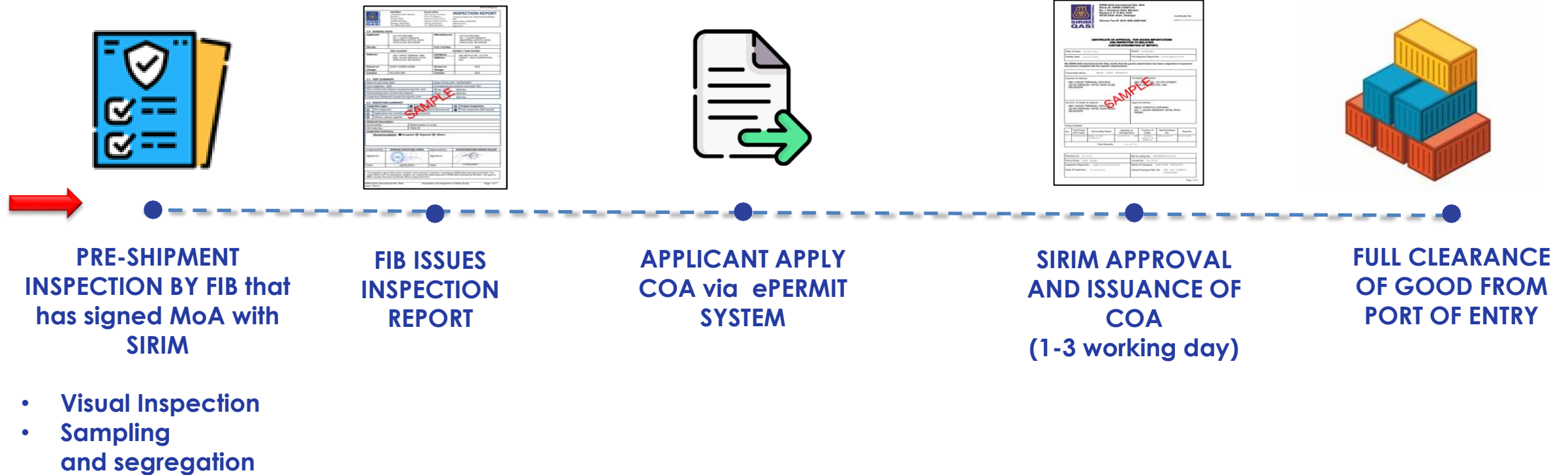
Requirements/ Processes	Methods			
	WITHOUT SIRIM approved MRF			WITH SIRIM approved MRF
	Type 1A	Type 1B (FIB with MoA)	Type 1C (FIB w/out MoA)	Type 2
Mode of Transport	Land & Sea	Land & Sea	Sea Only	Land & Sea
Pre-Shipment Inspection	✓ (By SIRIM)	✓ (By FIB with MoA)	✓ (By FIB)	✗
Post Shipment	✗	✗	✓ (By SIRIM)	✗
Certificate of Approval (COA)	✓	✓	✓	✓
Inspection at Factory Storage Yard (Local)	✗	✗	✗	✓ (By SIRIM)



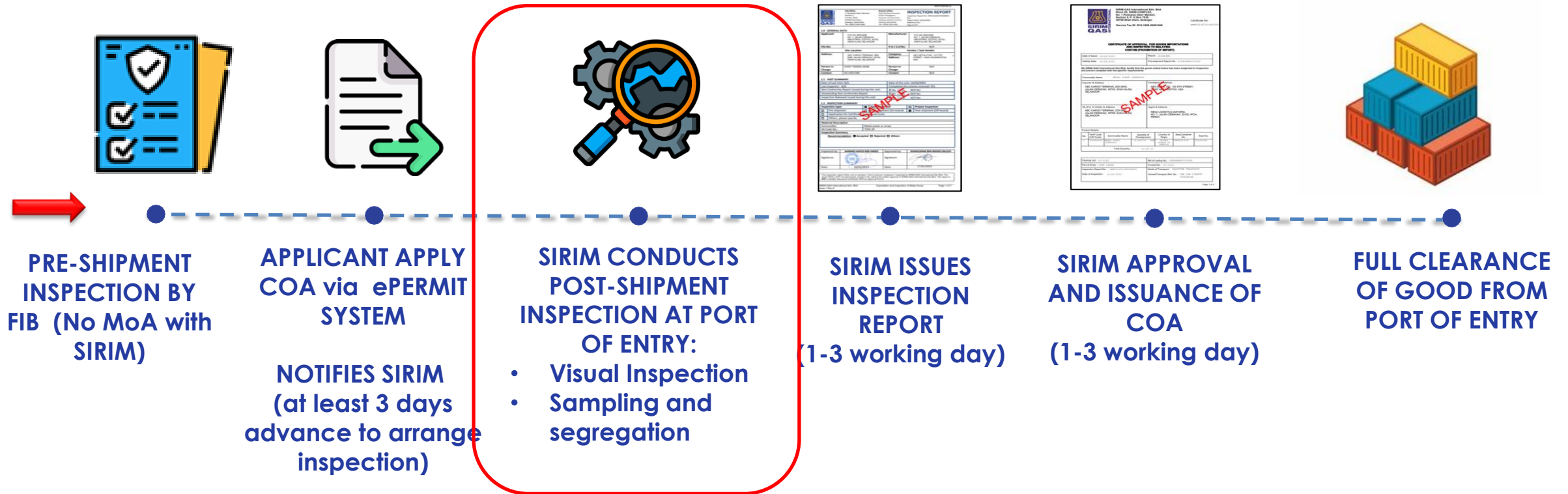
PROCESS FLOW – METHOD (TYPE 1A)



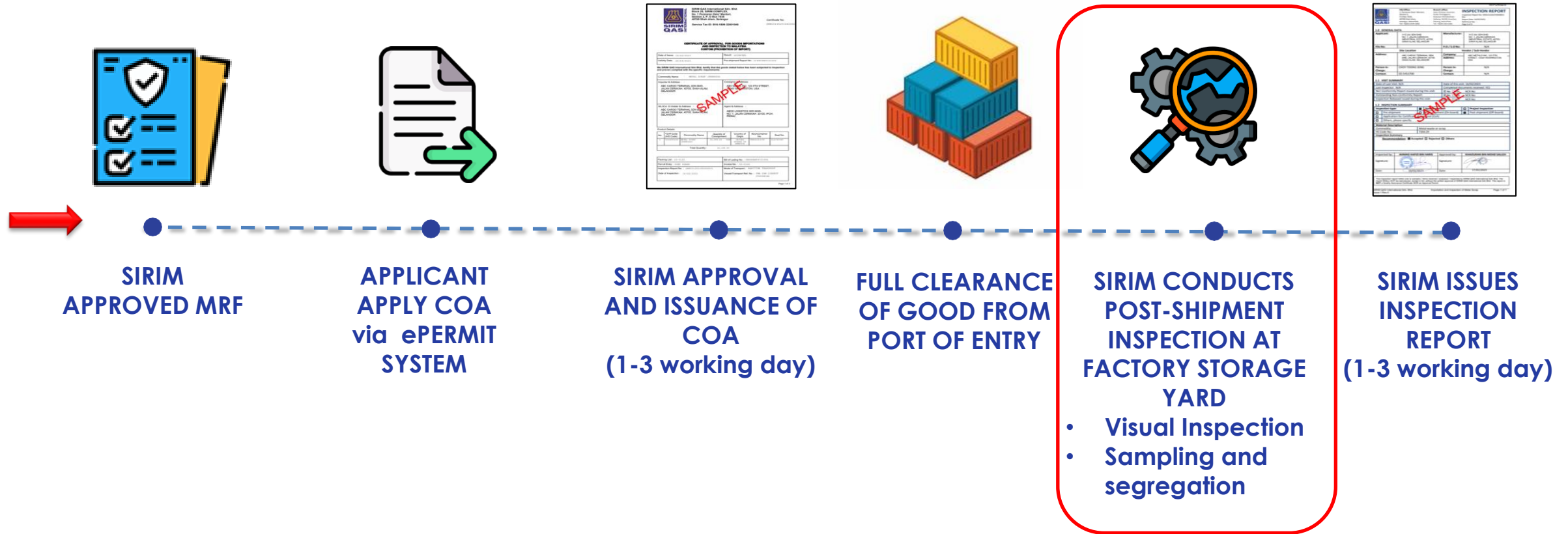
PROCESS FLOW – METHOD (TYPE 1B)



PROCESS FLOW – METHOD (TYPE 1C)



PROCESS FLOW – METHOD (TYPE 2)



COA PROCESS FLOW

COA Application

Importer/Agent to submit application for COA to Dagang Net online system. (Type 1A, 1B, 1C and 2)

Application Submitted

Awaiting OGA Approval

Application Verified

SIRIM officer verifies document and performing evaluation on the submitted documents.

Application Approved

COA application accepted and approval will be subjected from the inspection results.

Acknowledged by
Customs

COA Permit will be issued & full clearance of Goods from Port of Entry

Application ID ▼▲	Permit Type ▼▲	Application Date ▼▲	Approval Date ▼▲	Status ▼▲	Permit No. ▼▲	Company Name ▼▲	Trader Reference No. ▼▲	Payment Status ▼▲
SRW1012023Y0005401	Import	11/03/2023 11:16:57		Awaiting OGA Approval		TSP 3G SDN. BHD.	TSP3G 026/23	

Application ID ▼▲	Permit Type ▼▲	Application Date ▼▲	Approval Date ▼▲	Status ▼▲	Permit No. ▼▲	Company Name ▼▲	Trader Reference No. ▼▲	Payment Status ▼▲
SRW1012023Y0005188	Import	09/03/2023 09:49:26		Verified by OGA		TSP 3G SDN. BHD.	TSP3G 024/23	

Application ID ▼▲	Permit Type ▼▲	Application Date ▼▲	Approval Date ▼▲	Status ▼▲	Permit No. ▼▲	Company Name ▼▲	Trader Reference No. ▼▲	Payment Status ▼▲
SRW1012023Y0003730	Import	21/02/2023 14:29:03		Verified by OGA		YOONSTEEL (MALAYSIA) SDN. BHD.		Payment Completed

PIA Attachment

Note: Maximum total size allowed for attachment is 10 MB (10,240 KB).

Document Type

Please Select ▼

File

Choose File No file chosen

UPLOAD

DELETE

No.	File Name	Document Type	
1	IW-FOR-03-2 Inspection Report for Waste Paper Issue1 Rev1-2 SRW1012023Y0003148 - signed	Inspection Report	<input type="checkbox"/>

Application ID ▼▲	Permit Type ▼▲	Application Date ▼▲	Approval Date ▼▲	Status ▼▲	Permit No. ▼▲	Company Name ▼▲	Trader Reference No. ▼▲	Payment Status ▼▲
SRW1012023Y0001150	Import	15/01/2023 12:41:06	18/01/2023 22:15:40	Approved by OGA		ND PAPER (MALAYSIA) SDN. BHD.	R02221141TN	Payment Completed

Application ID ▼▲	Permit Type ▼▲	Application Date ▼▲	Approval Date ▼▲	Status ▼▲	Permit No. ▼▲	Company Name ▼▲	Trader Reference No. ▼▲	Payment Status ▼▲
SRW1012023Y0003148	Import	06/03/2023 21:37:58	08/03/2023 22:56:52	Acknowledged by Customs	SRW101Y03005572023	BEST ETERNITY RECYCLE TECHNOLOGY SDN. BHD.	20210219	Payment Completed

4 DIFFERENT ROLES

1.
Verifier

2.
Approver

3.
Inspector

4.
Inspection
Report
Approver

ePermit

HOME

WELCOME **SRW1012023Y0003148**

PIA Response

Current Status

1 Acknowledged by Customs

Verification By: MUHAMMAD AMIN BIN CHEK

Verification Datetime: 07/03/2023 20:16:00

2 Approved By: KHAIZURAN BIN MOHD SALLEH

Approved Datetime: 08/03/2023 22:56:52

Effective Datetime: 08/03/2023 22:56:00

Expiry Datetime: 07/04/2023 22:56:00

PIA Reference No.: SRW/101/Y/004625/0323

Permit No.: SRW101Y03005572023

Permit Charges: 350.00

Inspection Charges: 872

Inspection Charges with SST (6%): 924.32

Total Amount: 1274.32

Inspection Report No.: SRW1012023Y0003148

Permit Validity: 30

PIA Remarks

1.2 INSPECTION SUMMARY

Inspection type:	<input type="checkbox"/> Spot Inspection	<input checked="" type="checkbox"/> Project Inspection
<input type="checkbox"/> Pre-shipment (Type 1A)	<input checked="" type="checkbox"/> Post-shipment (Type 1C)	<input type="checkbox"/> Post-shipment (Type 2)
<input type="checkbox"/> Application for Certificate of Approval (CoA)		
<input type="checkbox"/> Others, please specify:		

Material Description



Commodity:	SRW1012023Y0003148 board or corrugated paper or board
HS Code No.:	4707.10.00
Code and Group :	1.05.01

Inspection Summary

Recommendation: ☒ Accepted ☐ Rejected ☐ Others

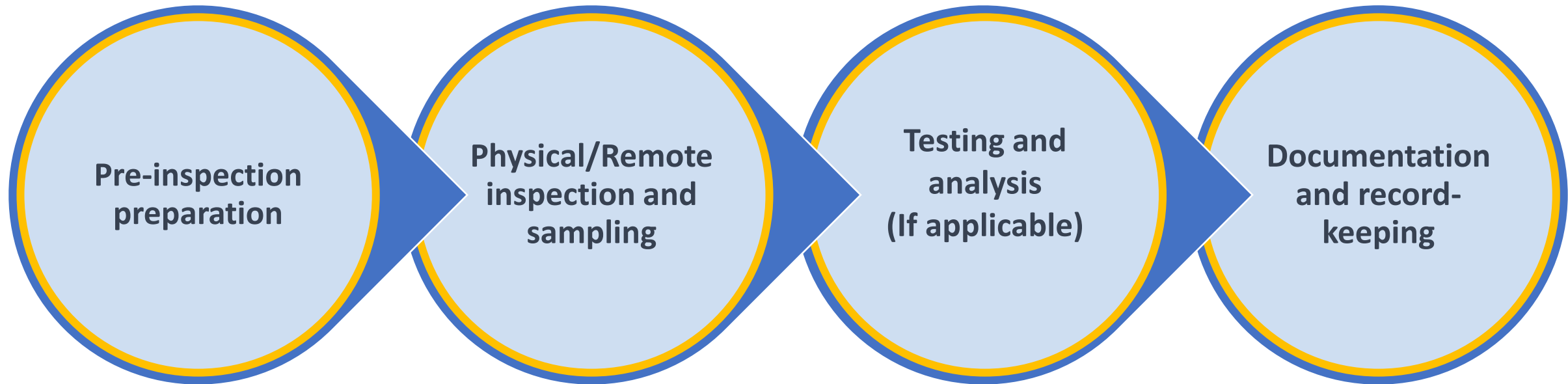
3 to Clause VII

4

Inspected by:	MOHAMAD NASHTAZA KASIAN	Approved by:	TUAN ARIF BIN TUAN MAT
Signature:		Signature:	
Date:	08/03/2023	Date:	08/03/2023

This inspection report refers only to samples / items received / analysed / inspected by SIRIM QAS International Sdn Bhd. The report SHALL NOT be reproduced, except in full, without the written approval of SIRIM QAS International Sdn Bhd. This report is NOT a Quality Assurance Certificate NOR an Approval Permit

INSPECTION PROCESS



SAMPLING METHOD

TABLE 2: MS ISO 2859-1, SAMPLING PLAN ACCORDING TO GENERAL INSPECTION LEVEL II AND ACCEPTANCE QUALITY LIMIT (AQL) 6.5.

Lot size (Number of ordered products)	Q General Inspection Levels			Q Special Inspection Levels			
	I	II	III	S-1	S-2	S-3	S-4
2 → 8	A	A	B	A	A	A	A
9 → 15	A	B	C	A	A	A	A
16 → 25	B	C	D	A	A	B	B
26 → 50	C	D	E	A	B	B	C
51 → 90	C	E	F	B	B	C	C
91 → 150	D	F	G	B	B	C	D
151 → 280	E	G	H	B	C	D	E
281 → 500	F	H	J	B	C	D	E
501 → 1 200	G	J	K	C	C	E	F
1 201 → 3 200	H	K	L	C	D	E	G
3 201 → 10 000	J	L	M	C	D	F	G
10 001 → 35 000	K	M	N	C	D	F	H
35 001 → 150 000	L	N	P	D	E	G	J
150 001 → 500 000	M	P	Q	D	E	G	J
500 001 → 1 000 000	N	Q	R	D	E	H	K

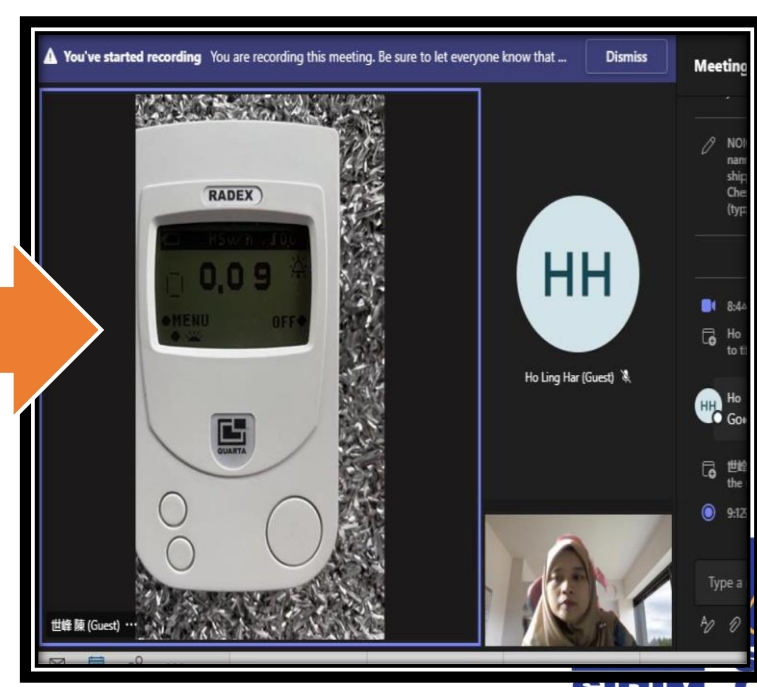
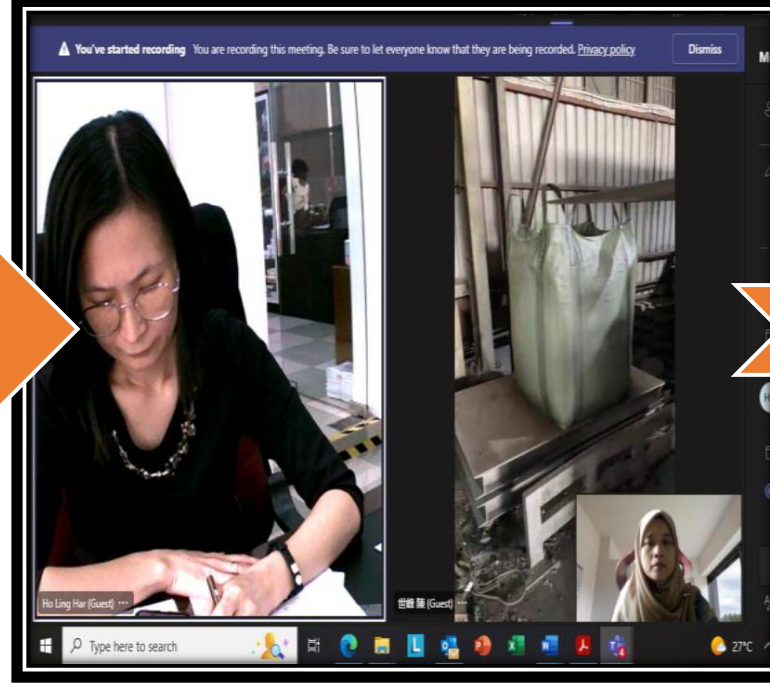
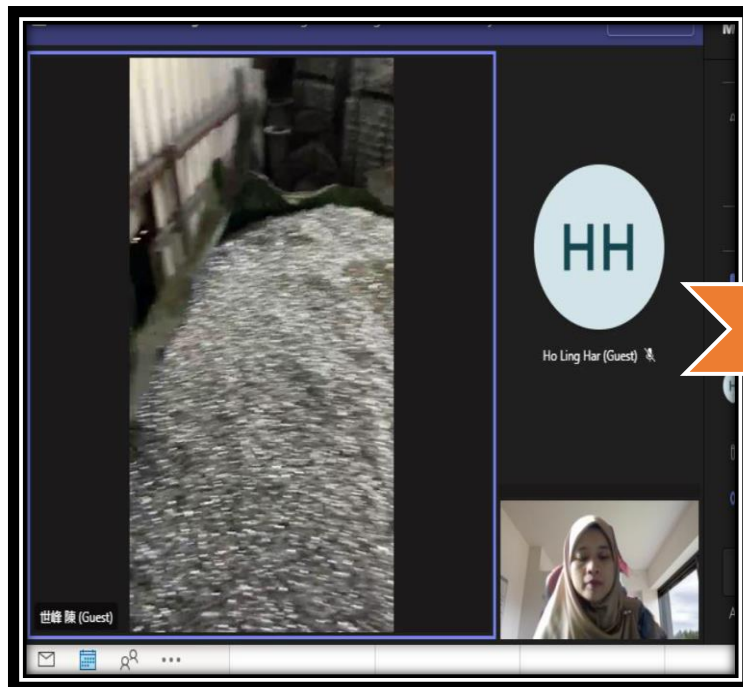
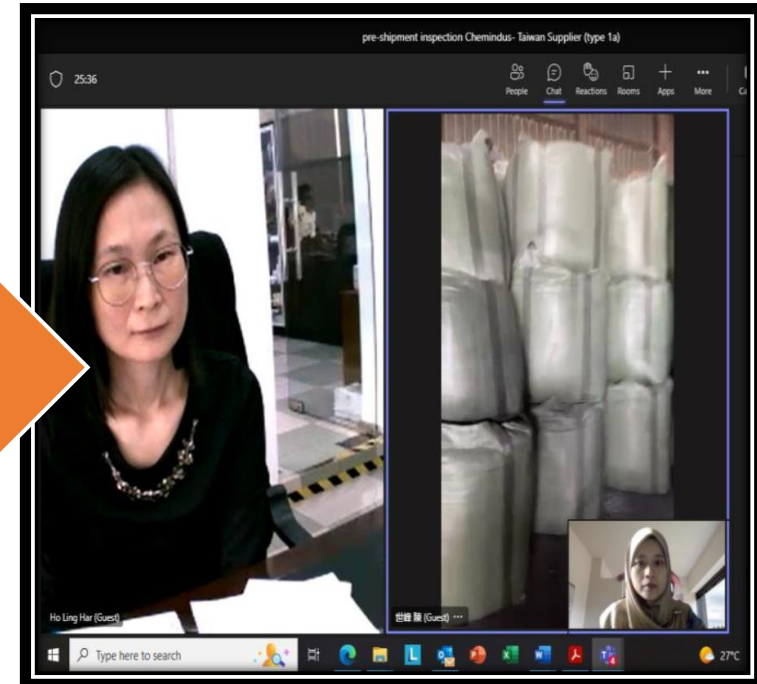
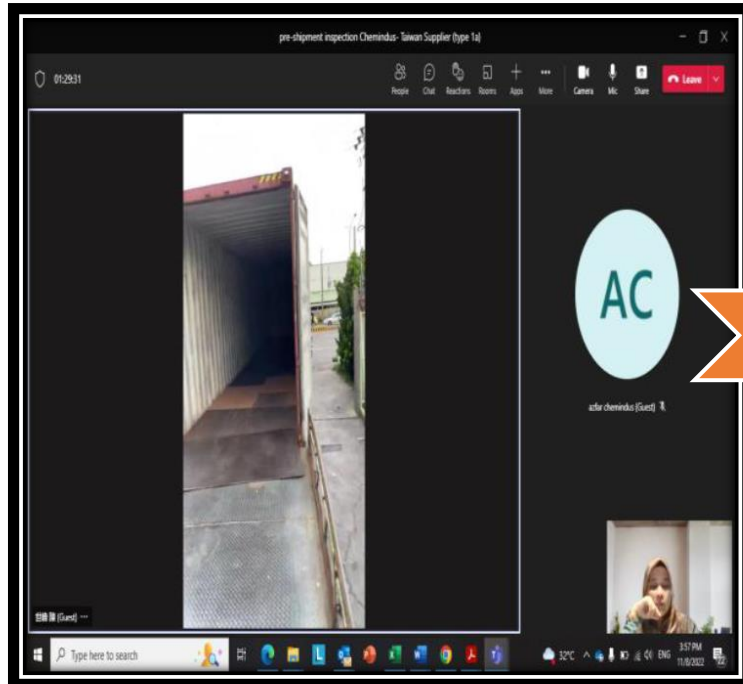
ISO 2859-1, ANSI/ASQ Z1.4, MIL-STD 105E, Single Sampling Plan

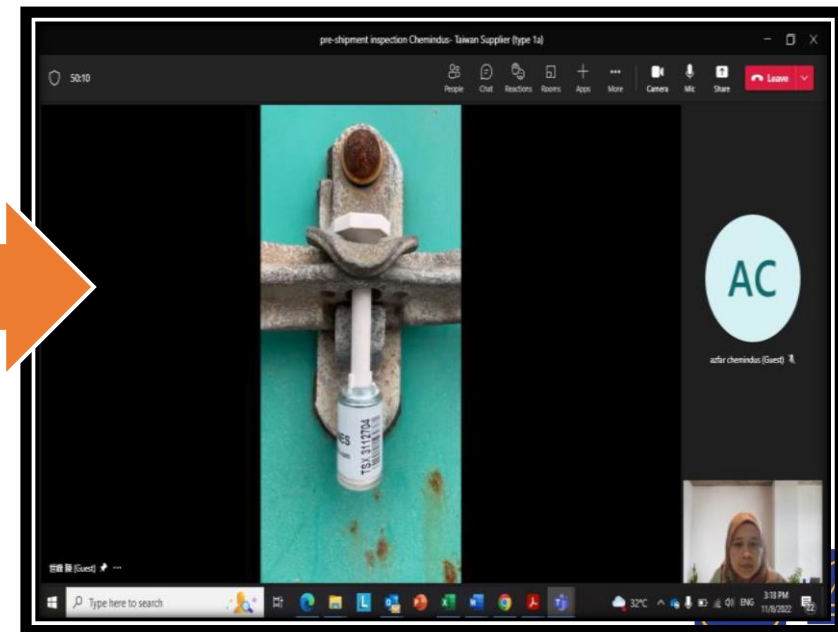
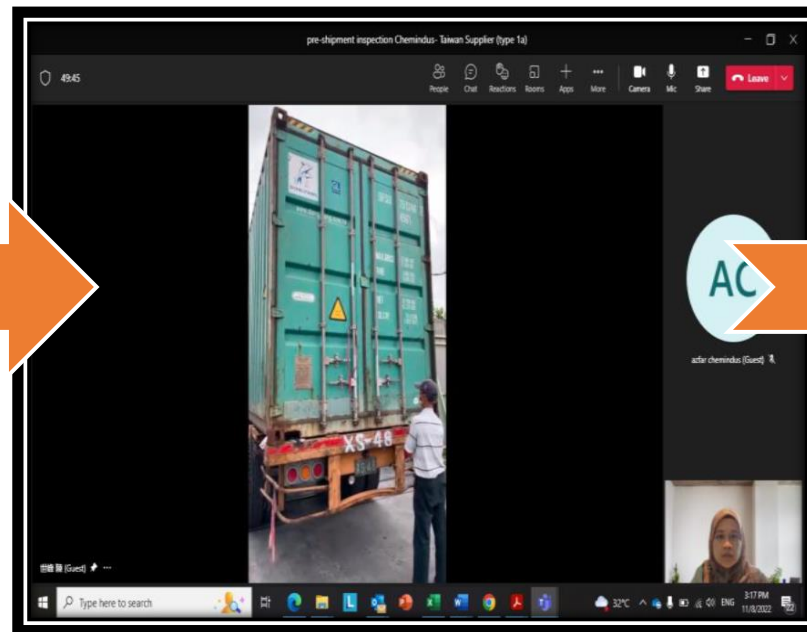
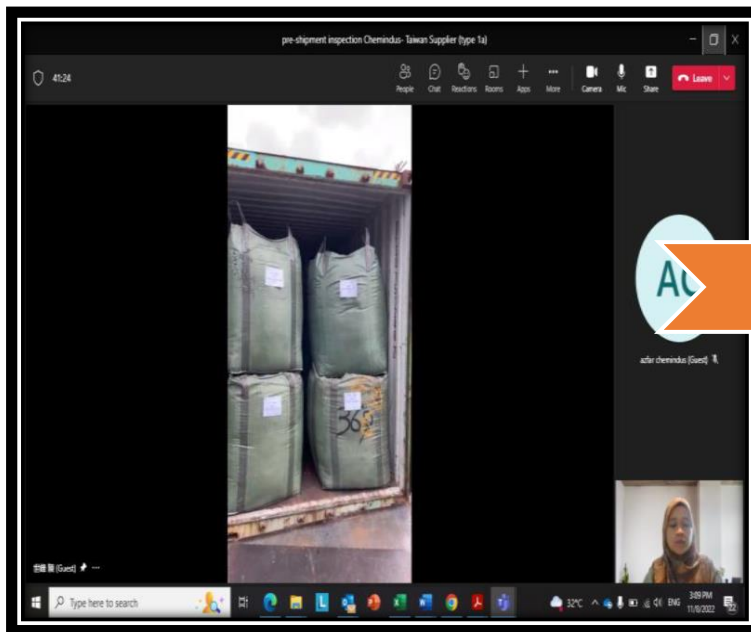
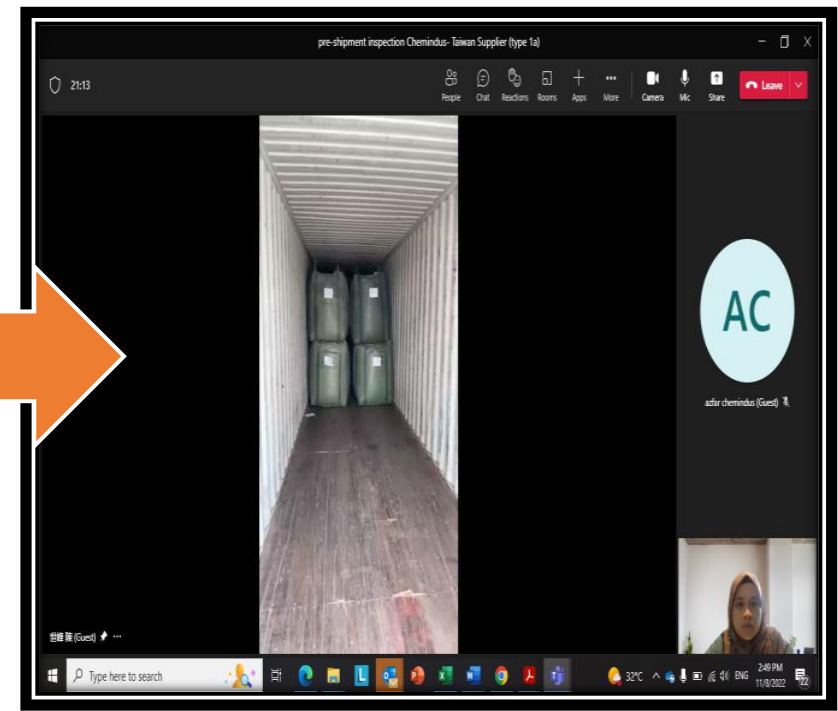
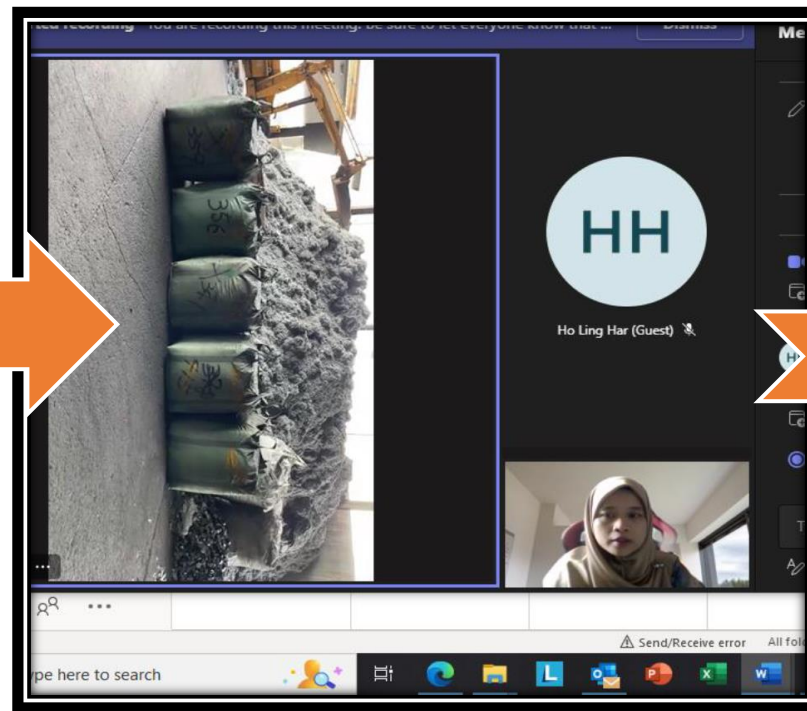
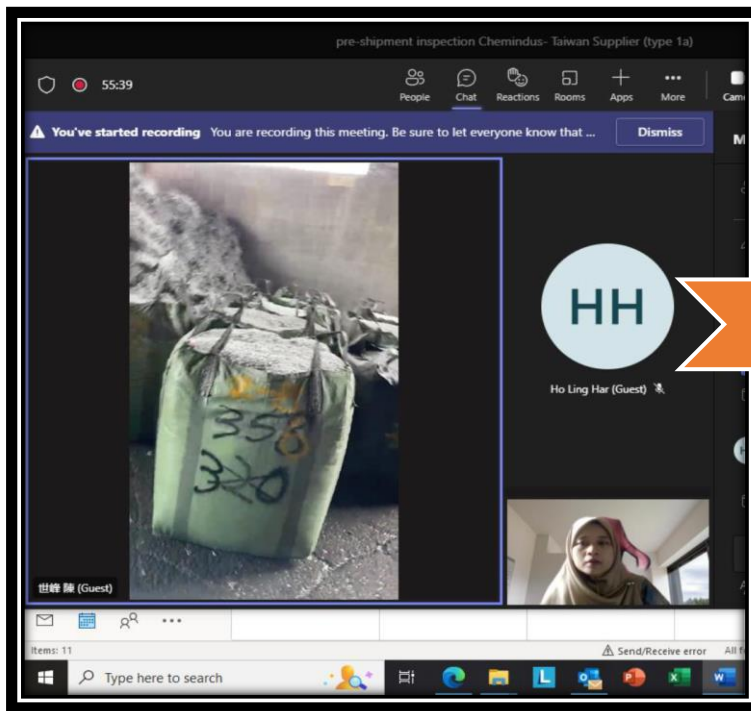
SAMPLING METHOD

		Acceptance Quality Limits (AQL) in %																
		0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25
NUMBER OF SAMPLES																		
A	2														0 1			1 2
B	3													0 1			1 2	2 3
C	5												0 1			1 2	2 3	3 4
D	8											0 1			1 2	2 3	3 4	5 6
E	13									0 1			1 2	2 3	3 4	5 6	7 8	
F	20								0 1			1 2	2 3	3 4	5 6	7 8	10 11	
G	32							0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	
H	50						0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22	
J	80						0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22	
K	125					0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22		
L	200			0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22				
M	315			0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22				
N	500		0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22					
P	800	0 1			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22						
Q	1250			1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22							
R	2000		1 2	2 3	3 4	5 6	7 8	10 11	14 15	21 22								
		Acceptance Rejection																
		ISO 2859-1, ANSI/ASQ Z1.4, MIL-STD 105E, Single Sampling Plan, Normal Severity																

PRE-SHIPMENT INSPECTION (METHOD 1A)





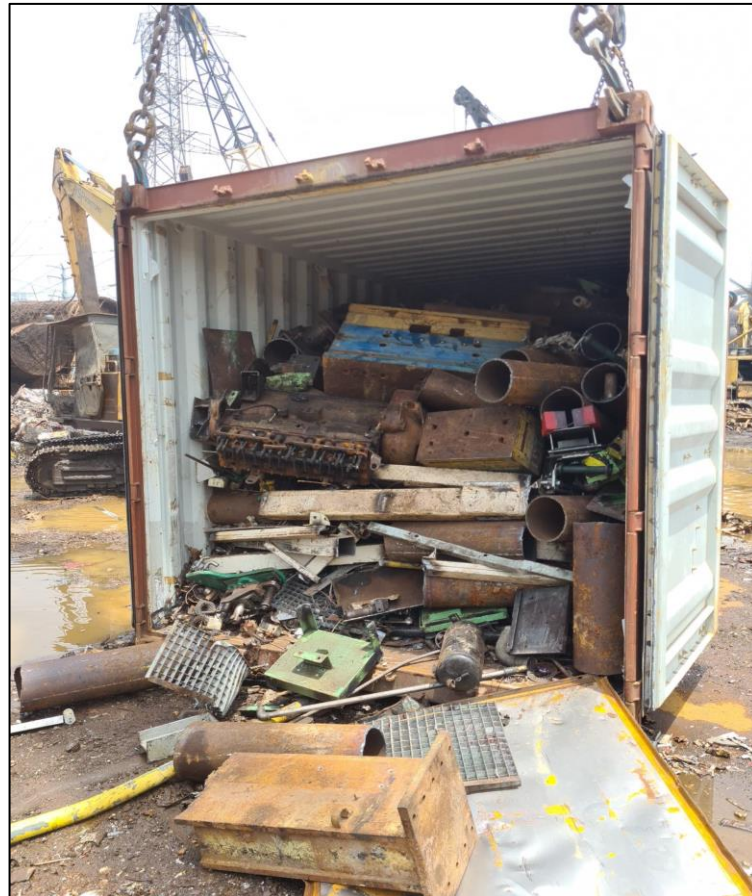


POST-SHIPMENT INSPECTION



PROCEDURE POST-SHIPMENT INSPECTION FOR METHOD TYPE 2

METAL SCRAP	
7204	Ferrous waste and scrap; remelting scrap ingots of iron or steel
94.75%	Solid ferrous
5.0%	Solid non-ferrous
0.25%	Other recoverable material including plastic



1. Measure Natural Background Radiation



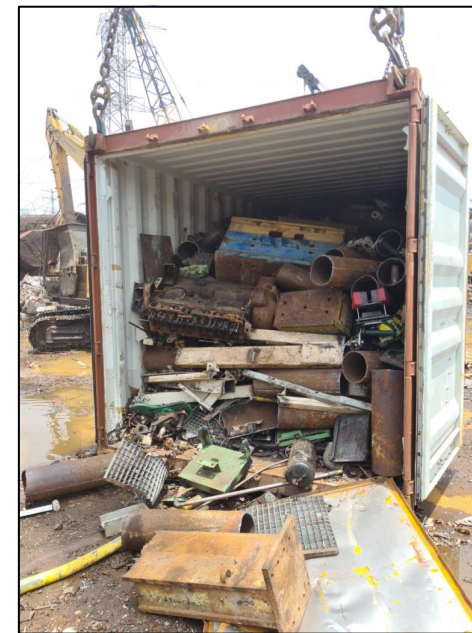
2. Verify Container No.



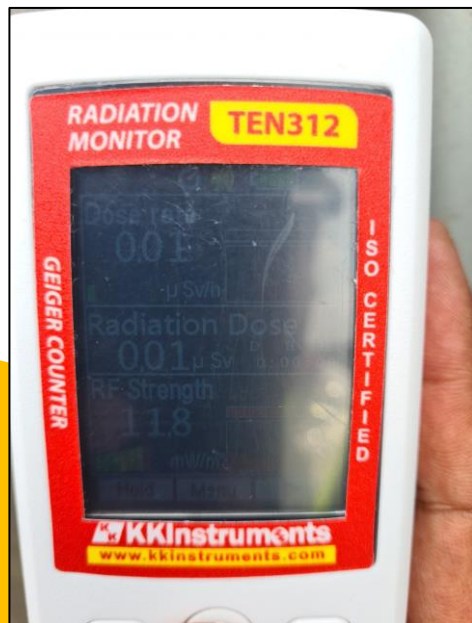
3. Verify Seal No.



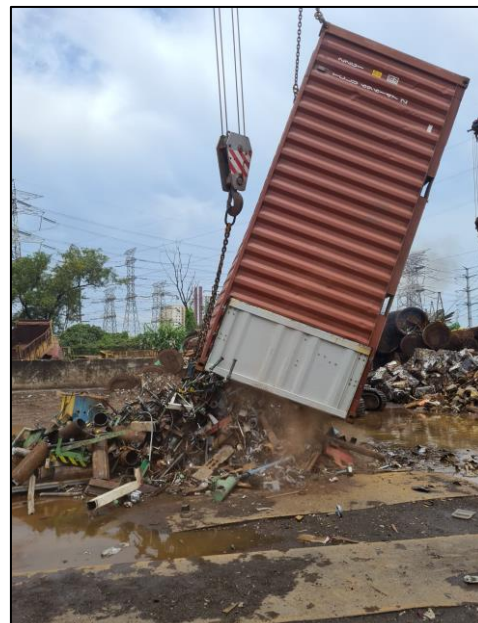
4. Verify All Goods of Ferrous



5. Measure Radiation Inside Container

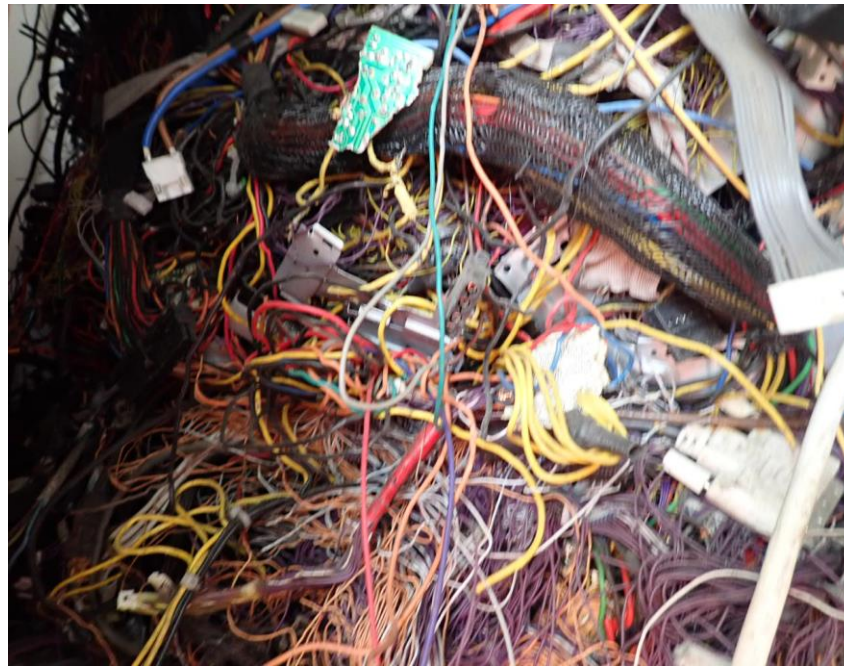


6. Witness Unloading from Container



7. Segregation Process







SW 104
Solder Waste



SW 109
Fluorescent Tubes and Bulbs



SW 110
Electrical and Electronic Waste



SW 202
Waste Catalysts

CONCLUSION

SIGNIFICANCE OF SCHEDULING WASTE INSPECTIONS



Regulatory Compliance:
Ensure adherence to
environmental regulations
and laws



Environmental Protection:
Minimize the impact of
waste on the environment.



Health and Safety: Protect
employees and the
community from hazardous
materials.



Cost Savings: Identify
opportunities for waste
reduction and efficiency.

Q & A



Thank You



+603-55446400



cserviceqas@sirim.my

Follow Us On Socia Media

