

PERSONAL PROTECTIVE EQUIPMENT [PPE] DOSH-SIRIM APPROVAL

AHMAD FARIHAN BIN MOHD ALWI

Product Certification & Inspection Dept.

18 MAY 2022



Best Partner for Innovation

OUR SERVICES

CERTIFICATION

- Management System Certification
- Product Certification
- Personnel Certification

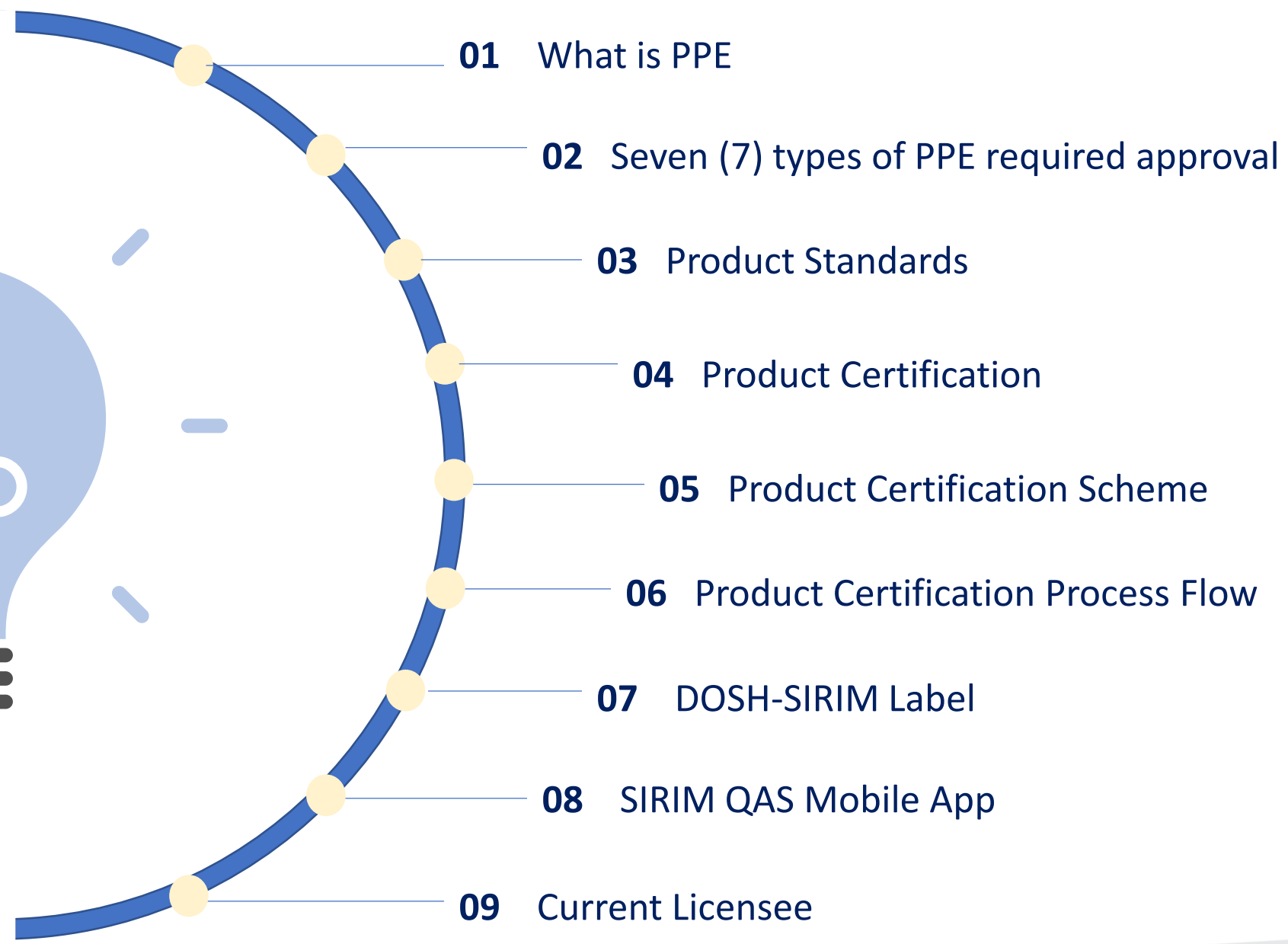
TESTING

Product compliance testing to standards, regulatory requirements and specifications

INSPECTION

- Engineering Inspection
- Inspection on behalf of other CBs
- Other 3rd party inspections





What is PPE?

Personal Protective Equipment, commonly referred to as "PPE", is equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses.

These injuries and illnesses may result from contact with chemical, radiological, physical, electrical, mechanical, or other workplace hazards

Source: Occupational Safety and Health Administration

**7 Types of PPE
Required Approval**

01 Head
Protection



02 Hearing
Protection



03 Eye
Protection



04 Respiratory
Protection



05 Body
Protection
& Work at
Height
Protection



06 Hand
Protection



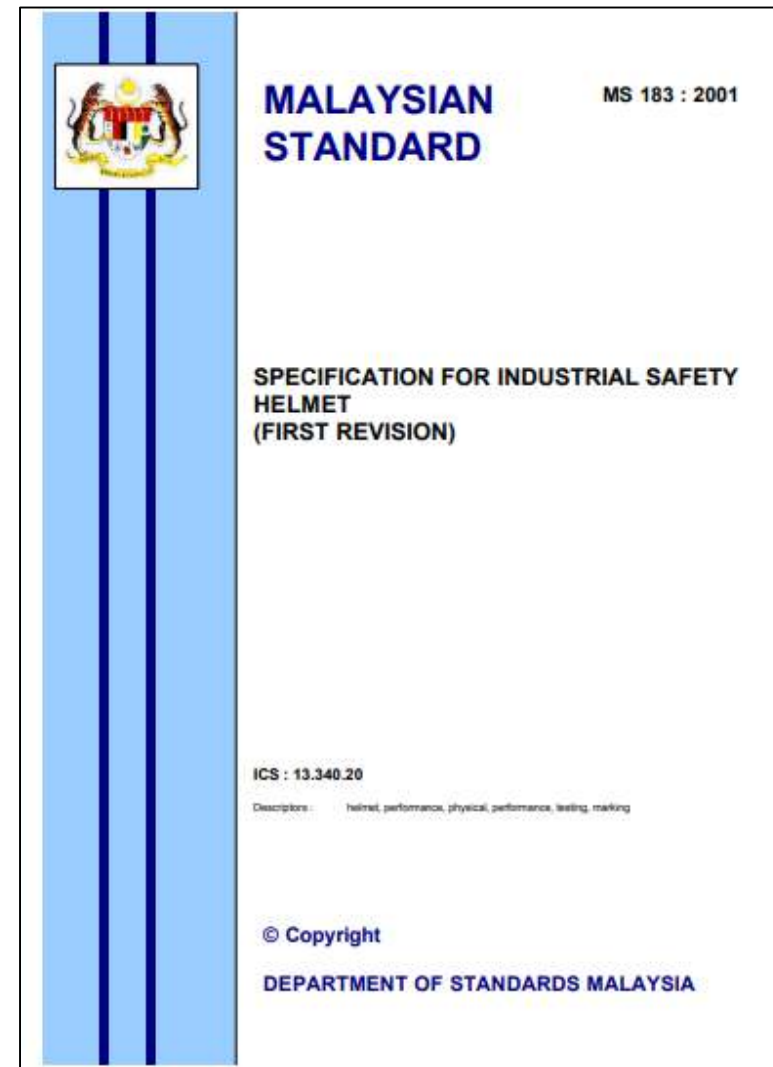
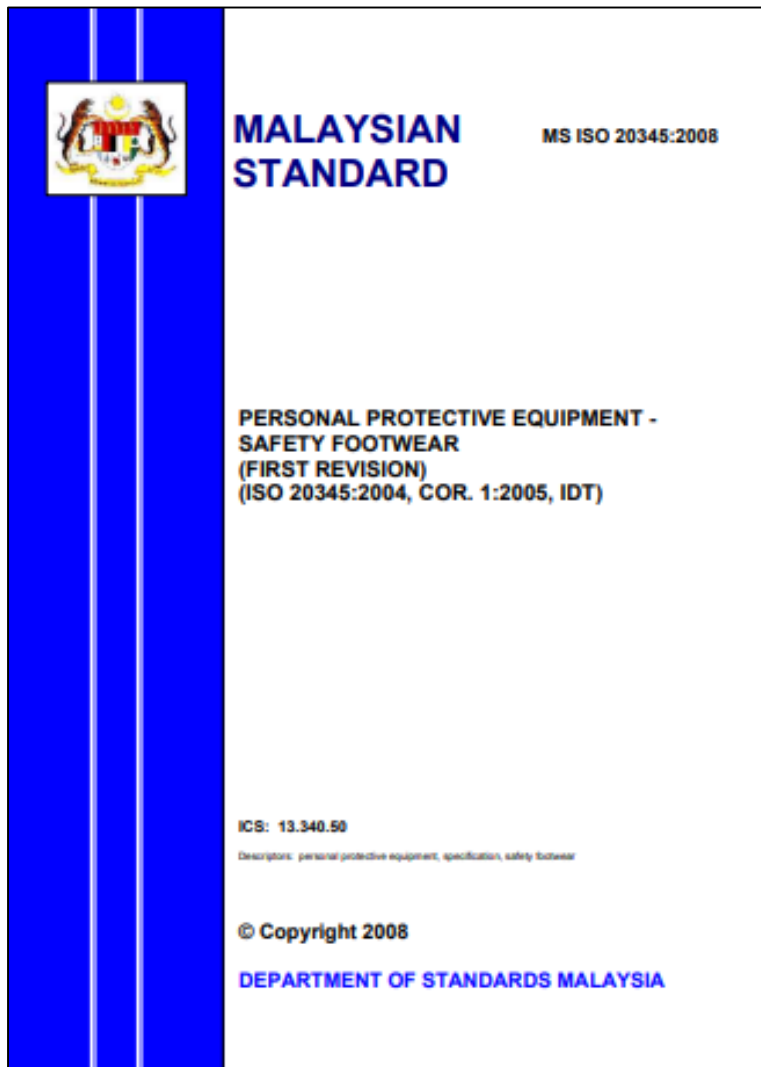
07 Foot
Protection



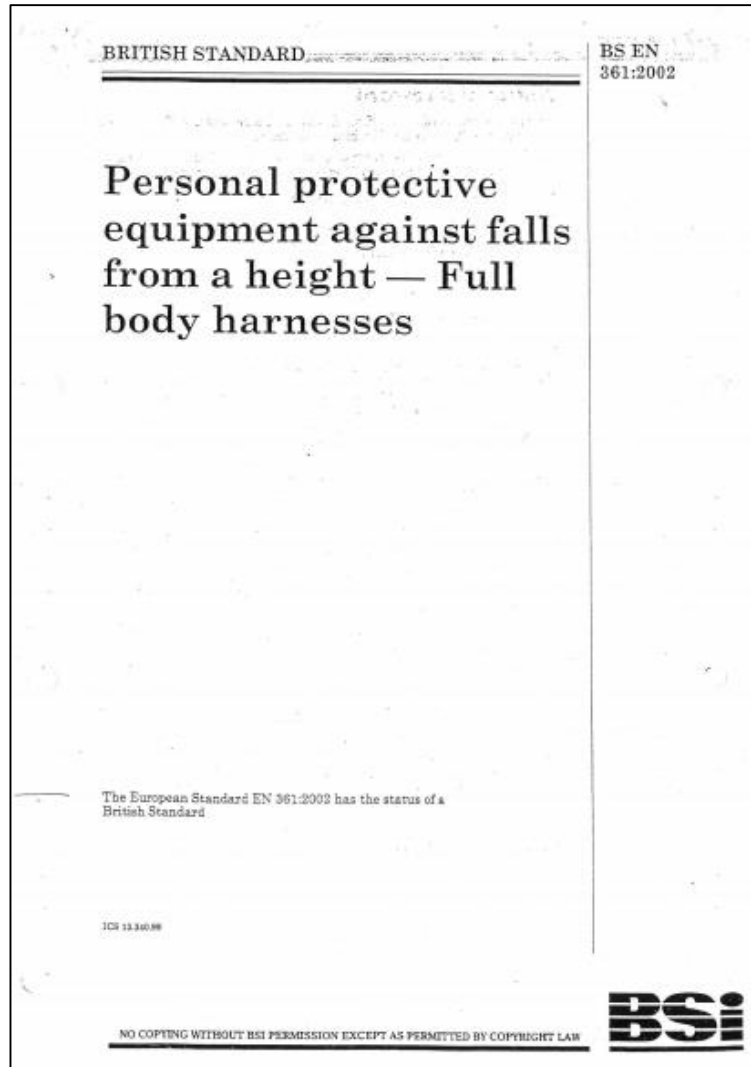
Product Standard

- **Standards** (Specified requirements)
A publicly available document **established by consensus** and approved by a recognized body.
- **Standards** can be purchased from Jabatan Standard Malaysia or any National Standard organization.

Example of Malaysia Standard



Example of British Standard



List of Registered Standard for Head Protection

No.	Standard Number	Standard Title
1.	MS 183 : 2001	SPECIFICATION FOR INDUSTRIAL SAFETY HELMET (FIRST REVISION)
2.	ANSI/ISEA Z 89.1 : 2014	INDUSTRIAL HEAD PROTECTION
3.	BSEN 397:2012+A1:2012	INDUSTRIAL SAFETY HELMETS

List of Registered Standard for Ear Protection

No.	Standard Number	Standard Title
1.	BS EN 352-1 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING. EARMUFFS
2.	BS EN 352-2 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING. EAR PLUGS
3.	BS EN 352-3 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. MUFFS ATTACHED TO AN INDUSTRIAL SAFETY HELMET
4.	BS EN 352-4 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. LEVEL-DEPENDENT EAR-MUFFS
5.	BS EN 352-5 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. ACTIVE NOISE REDUCTION EAR-MUFFS
6.	BS EN 352-6 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. EAR-MUFFS WITH ELECTRICAL AUDIO INPUT
7.	BS EN 352-7 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. LEVEL-DEPENDENT EAR-PLUGS
8.	BS EN 352-8 : 2002	HEARING PROTECTORS. SAFETY REQUIREMENTS AND TESTING GEAR. ENTERTAINMENT AUDIO EAR-MUFFS

List of Registered Standard for Body & Work at Height Protection

No.	Standard Number	Standard Title
1.	BS EN 795 : 1997	PROTECTION AGAINST FALLS FROM A HEIGHT - ANCHOR DEVICES – REQUIREMENTS AND TESTING
2.	BS EN 795 : 2012	PROTECTION AGAINST FALLS FROM A HEIGHT - ANCHOR DEVICES
3.	BS EN 813 : 2008	PERSONAL FALL PROTECTION EQUIPMENT - SIT HARNESSSES
4.	BS EN 361 : 2002	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT - FULL BODY HARNESSSES
5.	BS EN 358 : 2000	PERSONAL PROTECTIVE EQUIPMENT FOR WORK POSITIONING AND PREVENTION OF FALLS FROM A HEIGHT – BELTS FOR WORK POSITIONING AND RESTRAINT AND WORK POSITIONING LANYARDS
6.	BS EN 358 : 2018	PERSONAL PROTECTIVE EQUIPMENT FOR WORK POSITIONING AND PREVENTION OF FALLS FROM A HEIGHT – BELTS AND LANYARDS FOR WORK POSITIONING OR RESTRAINT
7.	BS EN 355 : 2002	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- ENERGY ABSORBERS
8.	BS EN 360 : 2002	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT - RETRACTABLE TYPE FALL ARRESTER
9.	BS EN 354 : 2002	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- LANYARD
10.	BS EN 354 : 2010	PERSONAL FALL PROTECTION EQUIPMENT - LANYARDS
11.	BS EN 362 : 2004	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT - CONNECTORS
12.	BS EN 353-2 : 2002	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT – PART 2 : GUIDED TYPE FALL ARRESTER INCLUDING A FLEXIBLE ANCHOR LINE
13.	MS 2308 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- LANYARDS (FIRST REVISION)
14.	MS 2311 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- FULL BODY HARNESS (FIRST REVISION)
15.	MS 2312 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- CONNECTORS
16.	MS 2309 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- ENERGY ABSORBERS (FIRST REVISION)
17.	MS 2310 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- RETRACTABLE TYPE FALL ARRESTERS (FIRST REVISION)
18.	MS 2307-1 : 2010	PERSONAL PROTECTIVE EQUIPMENT AGAINST FALLS FROM A HEIGHT- PART 1 : GUIDED TYPE FALL ARRESTERS INCLUDING A RIGID ANCHOR LINE

List of Registered Standard for Foot Protection

No.	Standard Number	Standard Title
1.	MS ISO 20345 : 2008	PERSONAL PROTECTIVE EQUIPMENT – SAFETY FOOTWEAR
2.	ISO 20345:2011	PERSONAL PROTECTIVE EQUIPMENT – SAFETY FOOTWEAR
3.	BS EN ISO 20345:2011	PERSONAL PROTECTIVE EQUIPMENT – SAFETY FOOTWEAR
4.	MS ISO 20347 : 2008	PERSONAL PROTECTIVE EQUIPMENT - OCCUPATIONAL FOOTWEAR

Product Certification

Definition according to ISO/IEC 170067 (Conformity assessment)

- A procedure by which a third party gives written assurance that a product conforms to specified requirements.
(with factory assessment & surveillance, OR specific on particular batch)

Product Certification

Why do we need it...

- Provide independent assurance for products manufactured to conform consistently with standards or specifications.
- Give manufacturers the rights to affix the SIRIM Marking on their products.
- Provide basis and means for the regulatory agencies in making decision and identification on approval and surveillance of products under its purview.
e.g. DOSH-SIRIM QR label for PPE
- Assure customers of products' quality, safety & reliability.

Product Certification Scheme

TYPE 5



PRODUCT CERTIFICATION SCHEME

- Long term certification scheme
- Yearly license renewal
- Factory audit will be conducted at factory

=> Market surveillance & public complaint

TYPE 1B



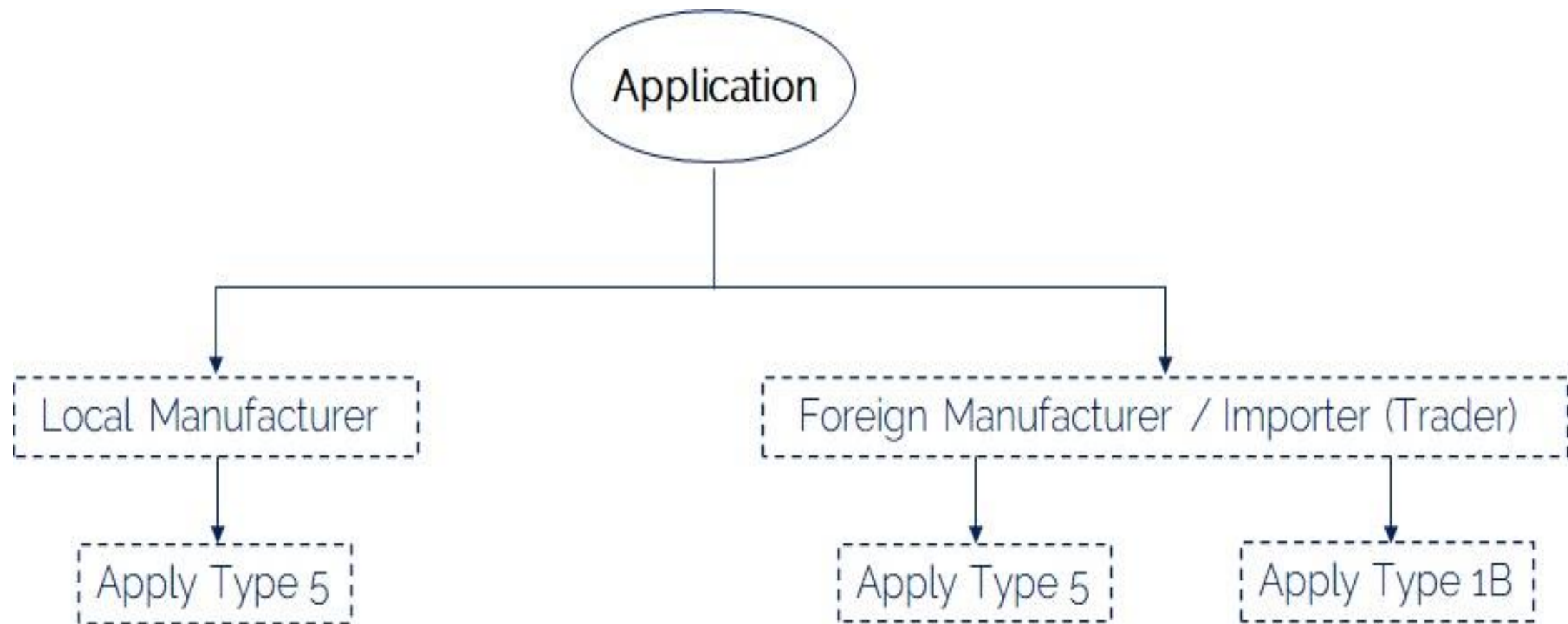
BATCH CERTIFICATION SCHEME

- Short term certification scheme, based on batch consignment
- Batch certificate is issued on a specific batch which has been tested
- Factory audit is not conducted

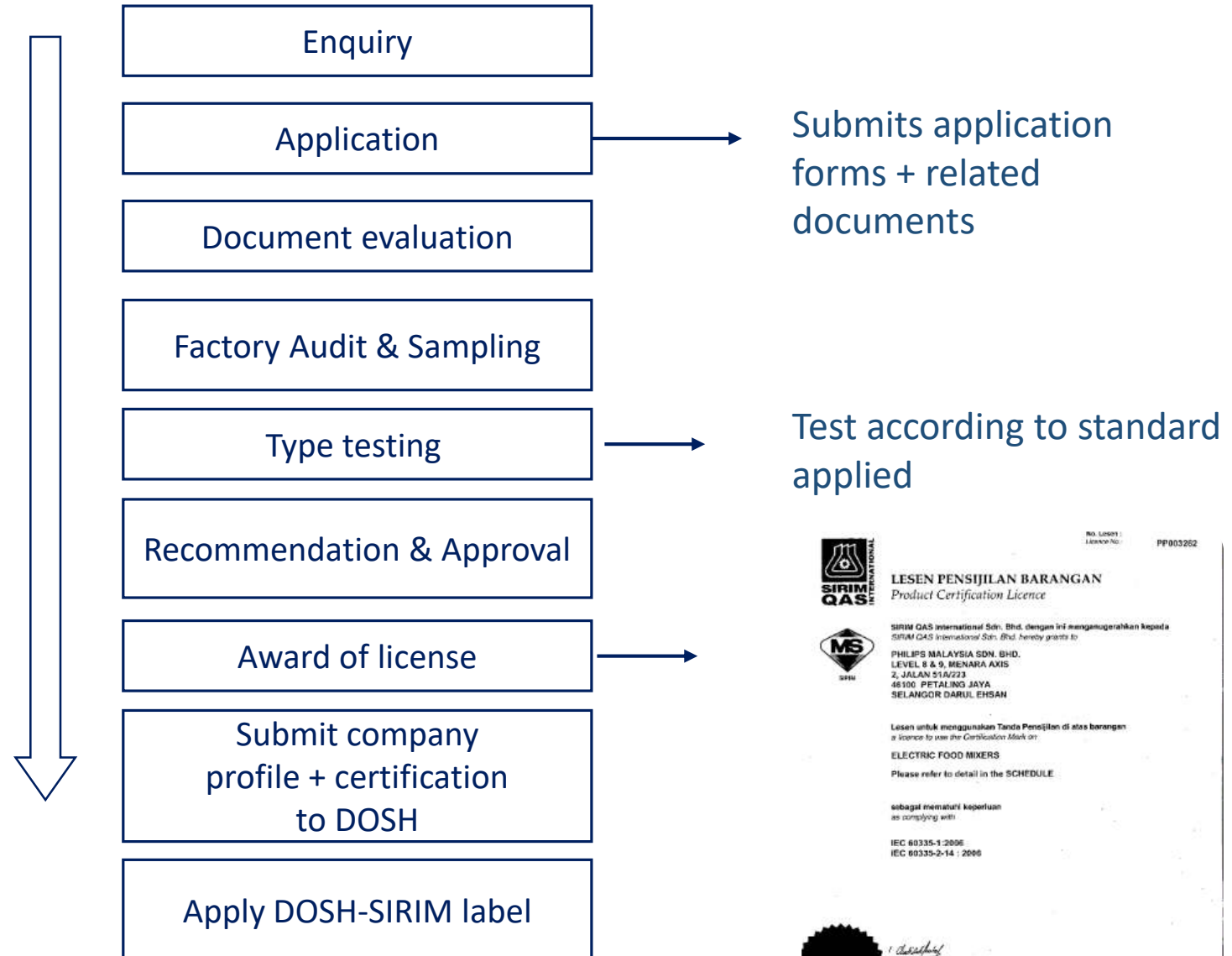
=> Market surveillance & public complaint

Product Certification Process Flow



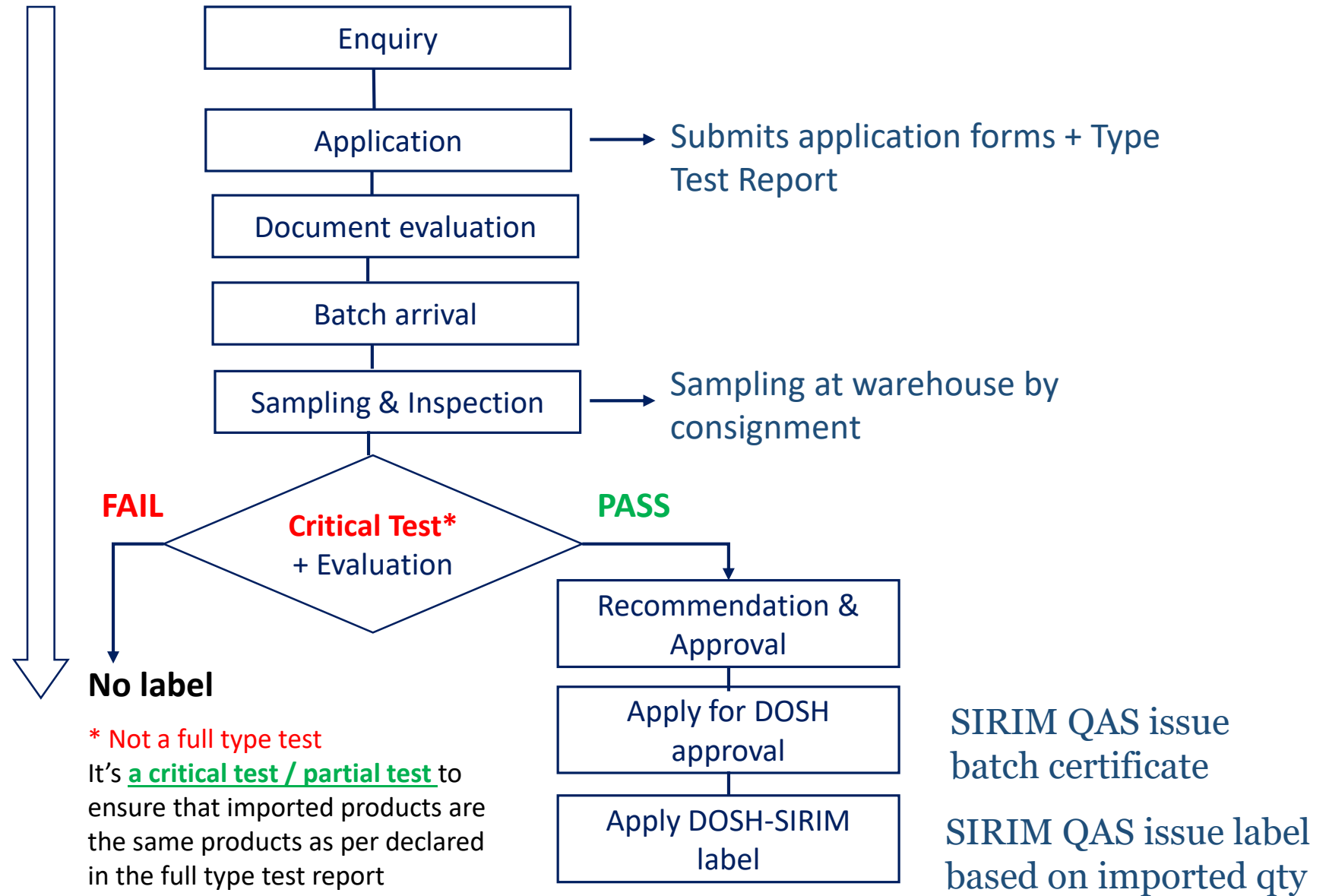


Product Certification Type 5



Product Certification

Type 1B

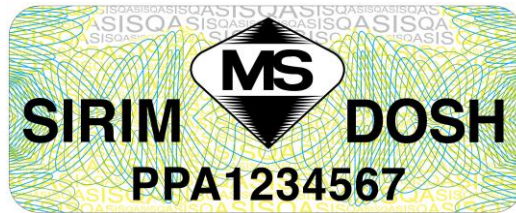


DOSH-SIRIM Label



Existing Label vs QR Label


Product Certification



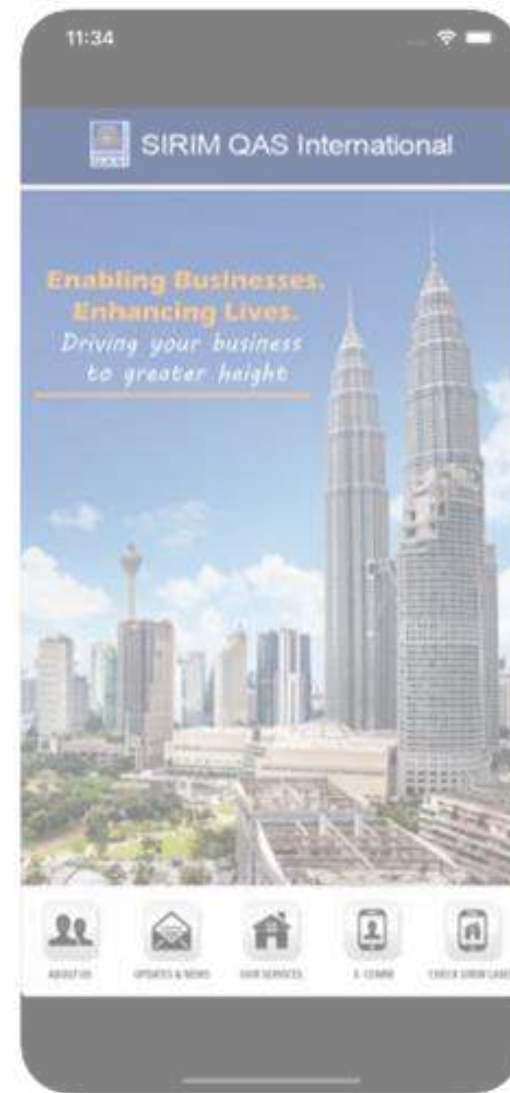
Batch Certification



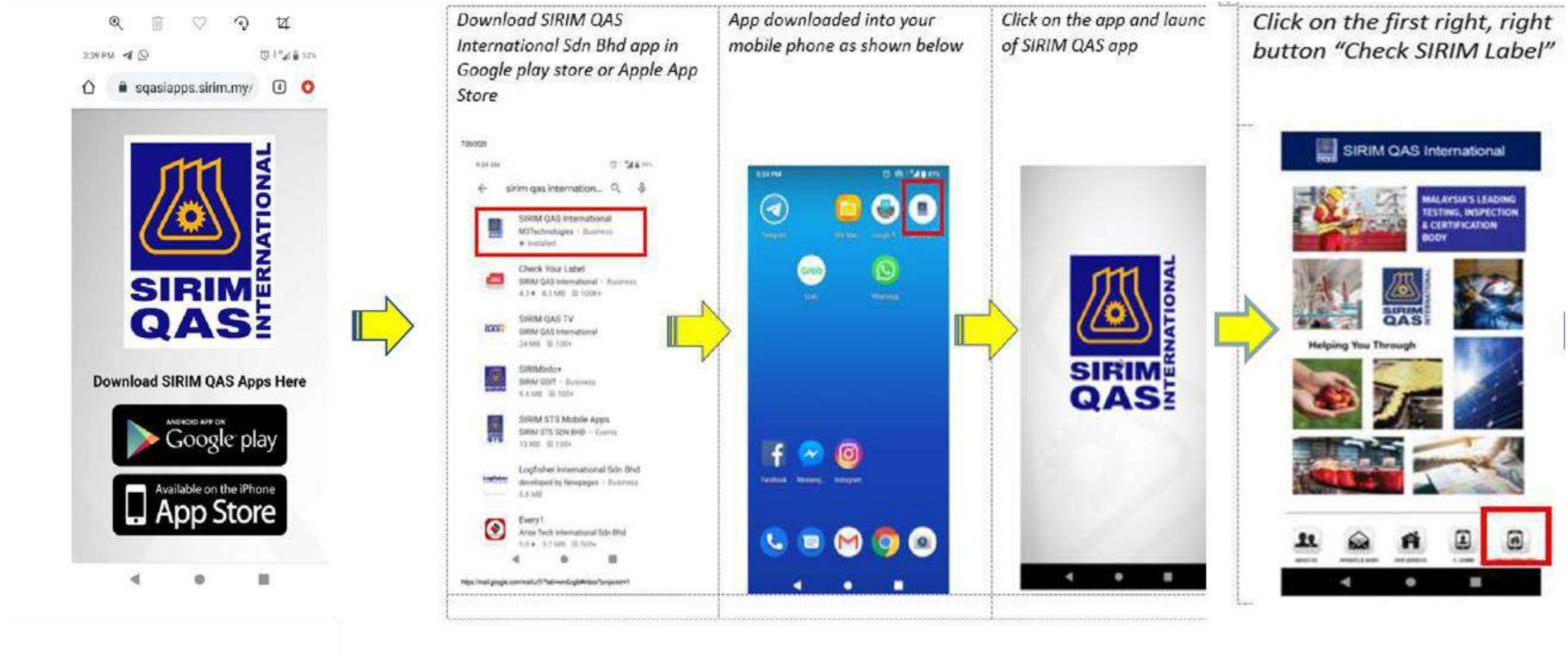
Type of PPE	DOSH-SIRIM label location	
	On the product	On the packaging
		
		
		
		

Type of PPE	DOSH-SIRIM label location	
	On the product	On the packaging
		
		
		

SIRIM QAS MOBILE APP




SIRIM QAS Mobile App



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Serial No:

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Details

SAFETY FOOTWEAR
SAFETY SDN. BHD.

License No. : PC004817
License Expiry Date : 13/12/2022
Standard : MS ISO 20345 : 2008
Brand :
Model : ARTICLE NO = NK60, NK63, NK67, NK80, NK71
Type : LOW SHOE TYPE I (CONSTRUCTION: DIRECT INJECTION DUAL DENSITY PU/PU OUTSOLE MODEL A270)
Rating : CATEGORY = SB-P, S1-P
Size : 3 TO 12

Page : 1 2 3 4 5 6 7



Licensee



Thank You!

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Testing :

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