

# 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

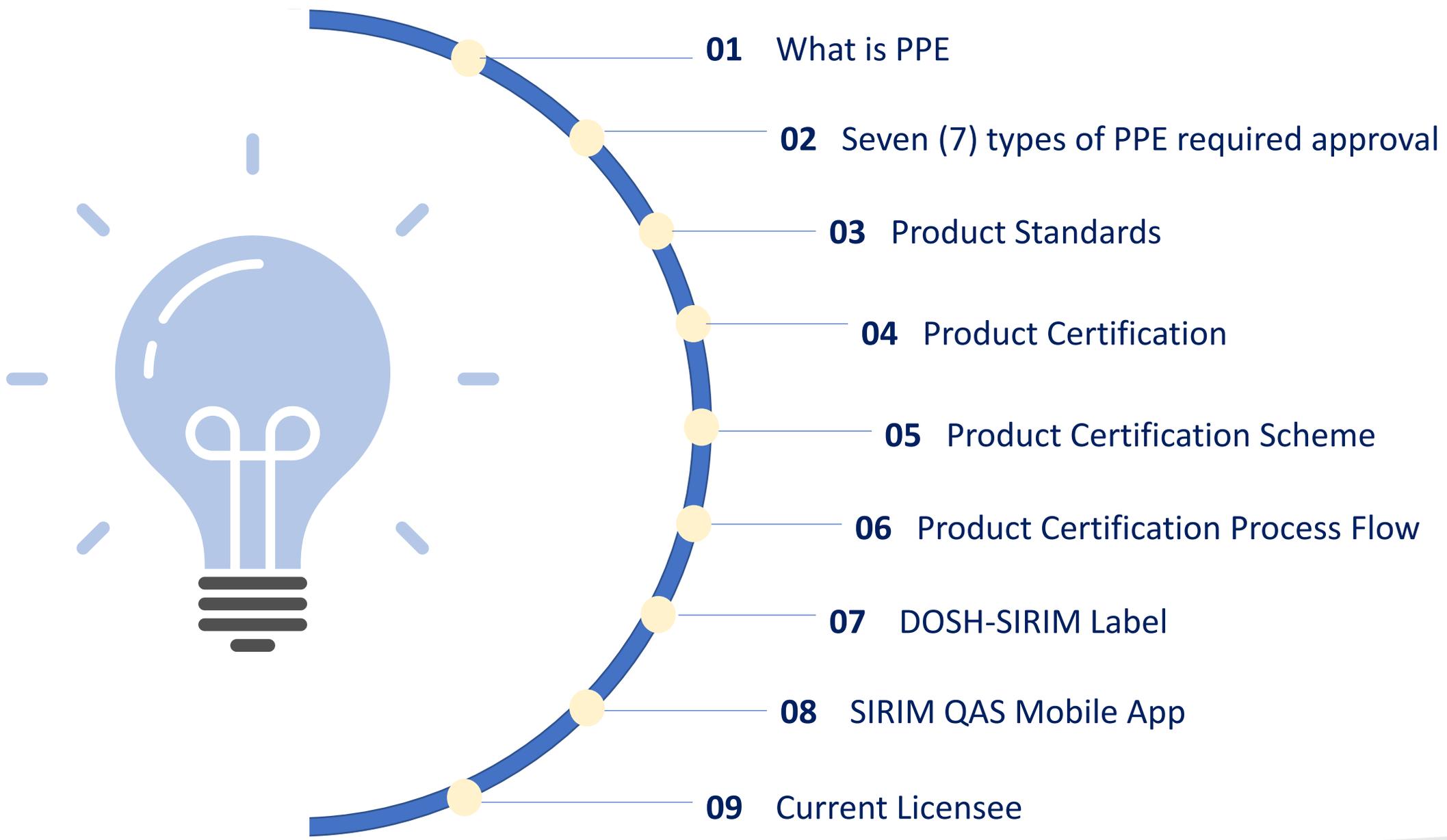
## TESTING

Product compliance testing to standards, regulatory requirements and specifications

## INSPECTION

- Engineering Inspection
- Inspection on behalf of other CBs
- Other 3<sup>rd</sup> 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*

**07** Foot Protection



**01** Head Protection



**06** Hand Protection



**7 Types of PPE  
Required Approval**

**02** Hearing Protection



**05** Body Protection & Work at Height Protection



**03** Eye Protection



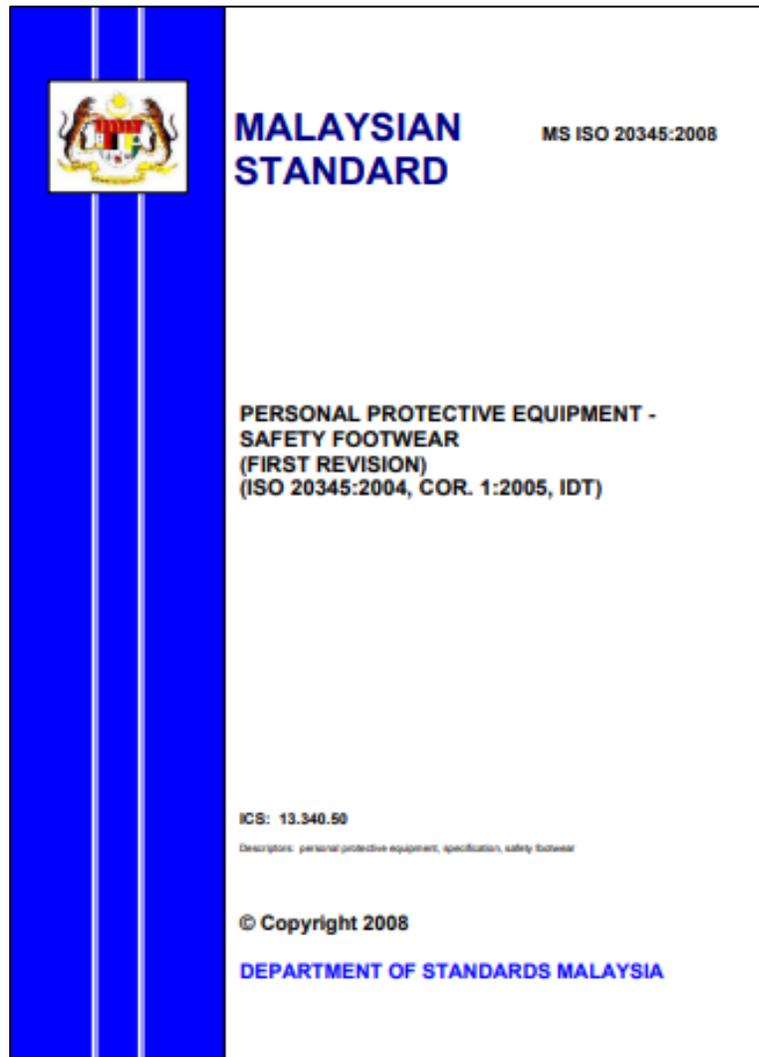
**04** Respiratory Protection



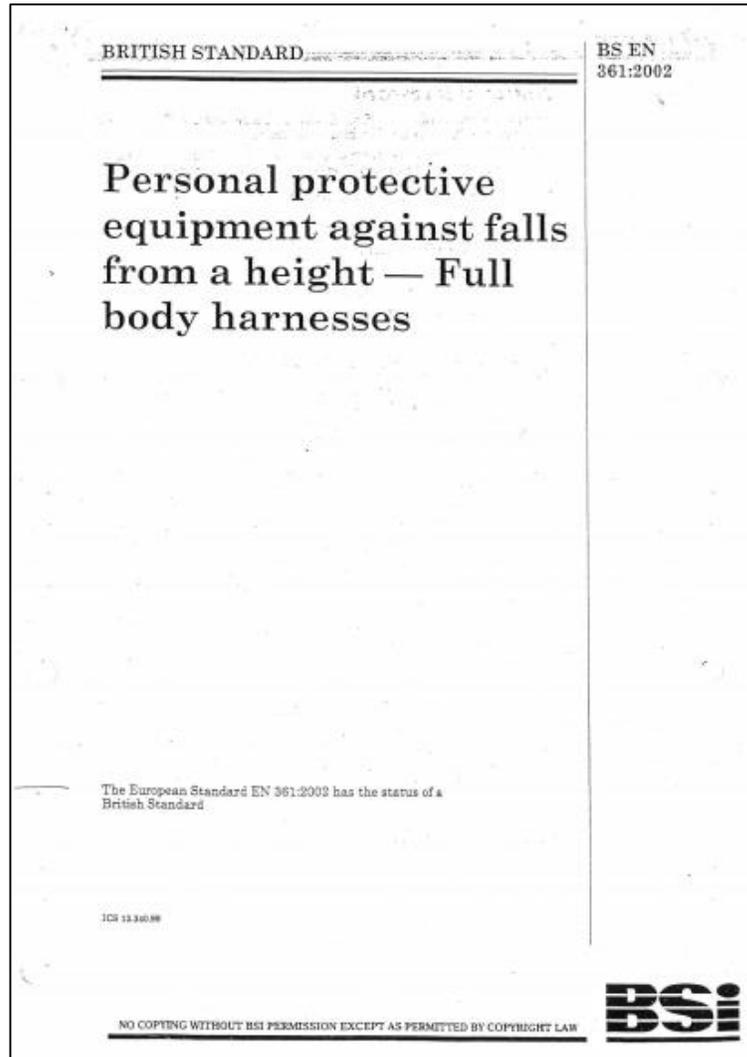
# Product Standard

- **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



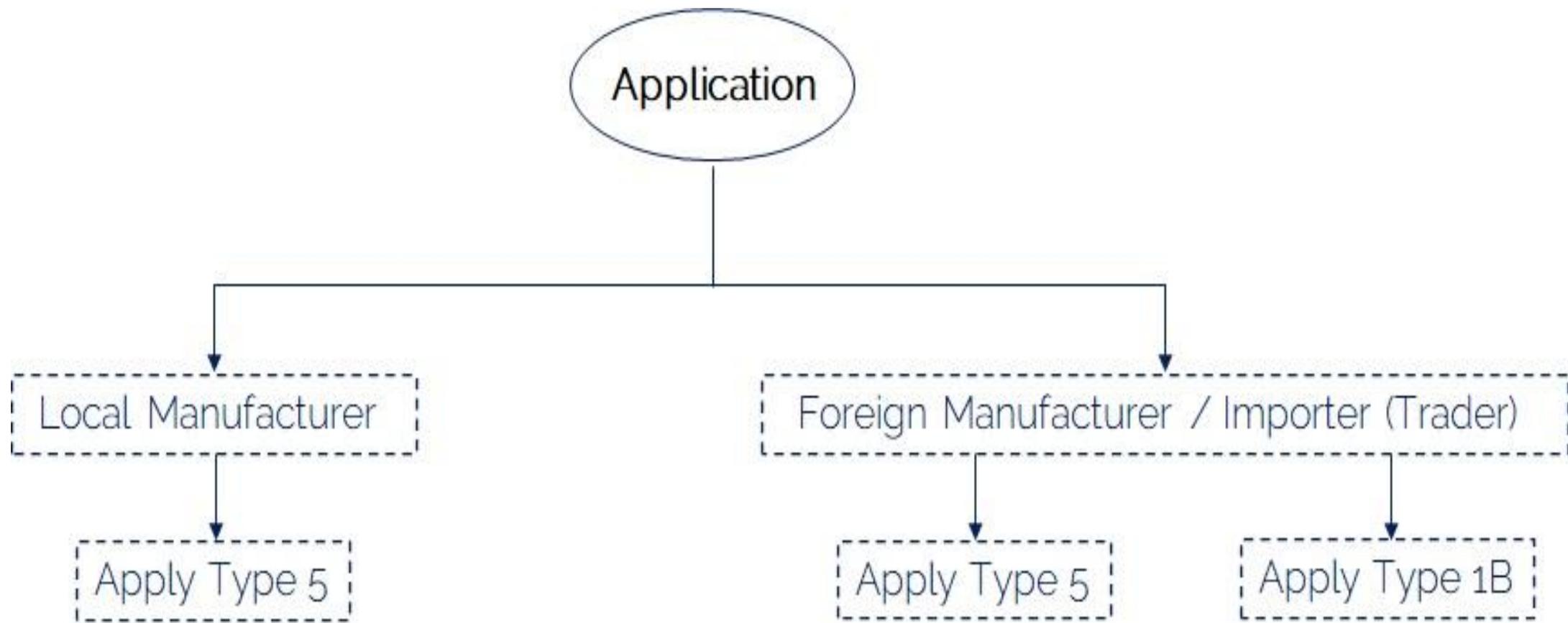
## BATCH CERTIFICATION SCHEME

- 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

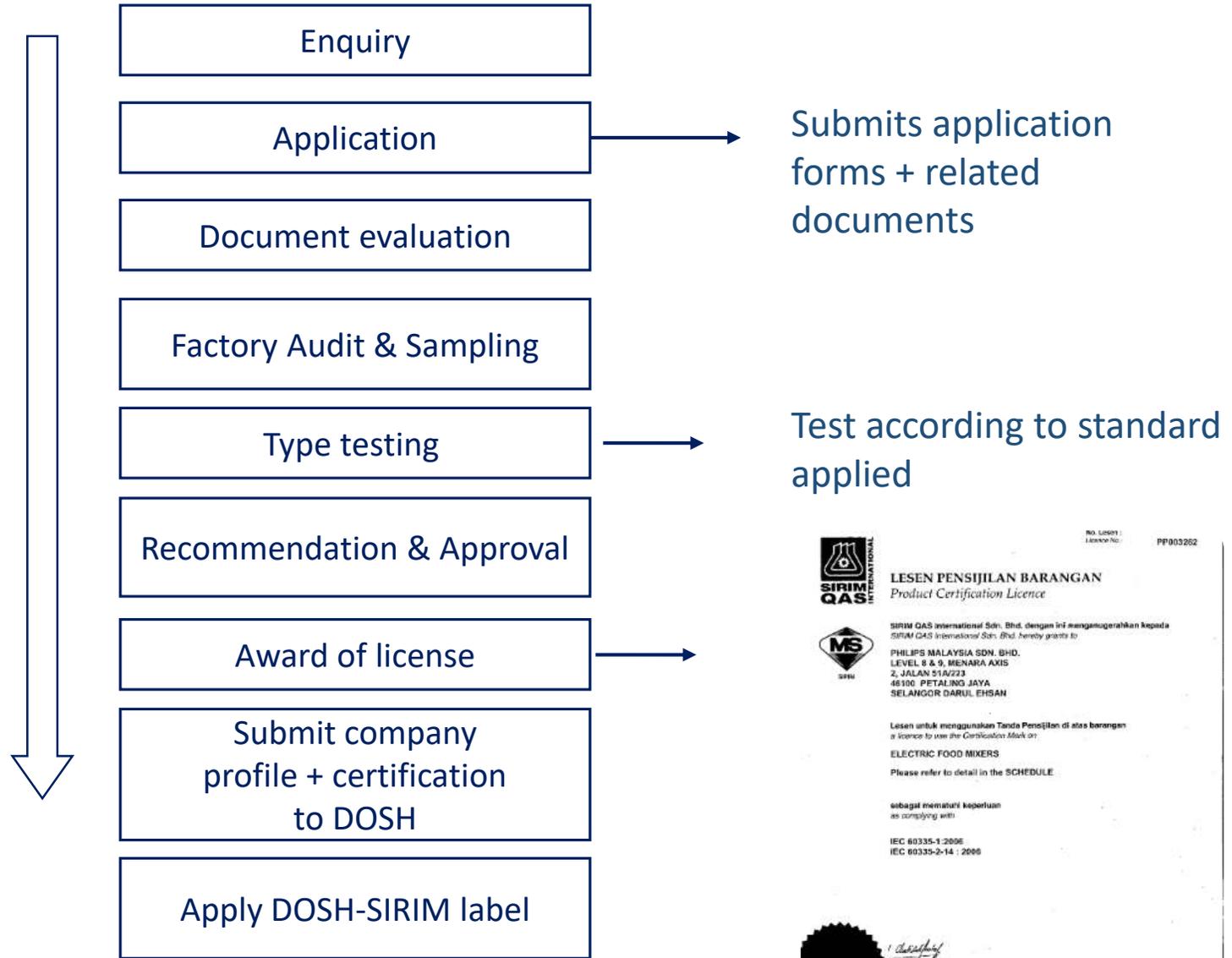
# Product Certification Process Flow





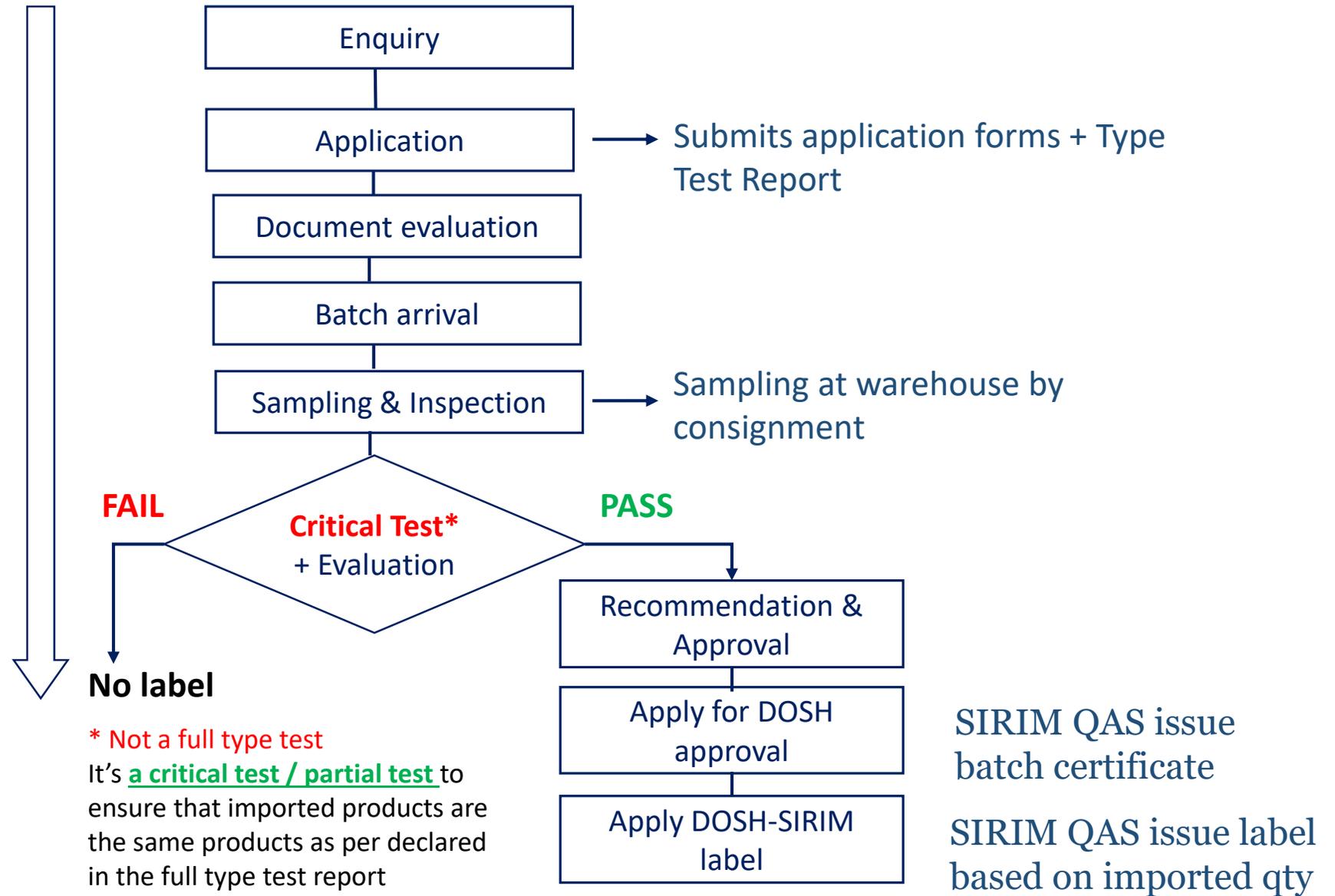
# Product Certification

## Type 5



# Product Certification

## Type 1B

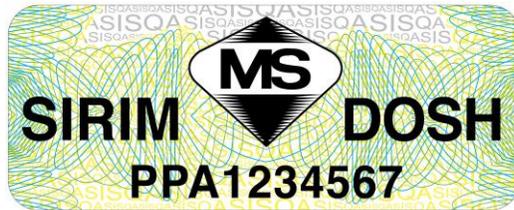


# DOSH-SIRIM Label



# Existing Label vs QR Label

## Product Certification



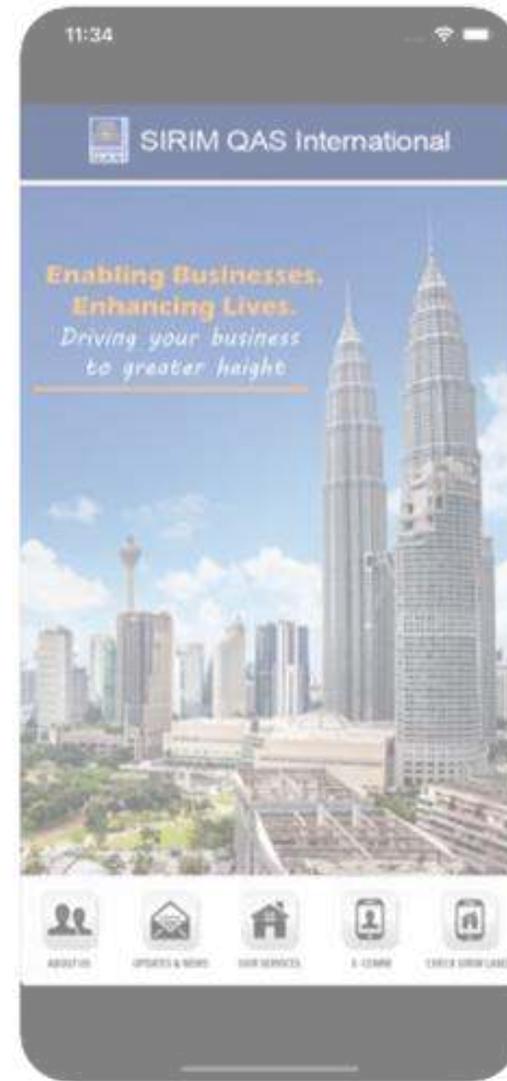
## Batch Certification



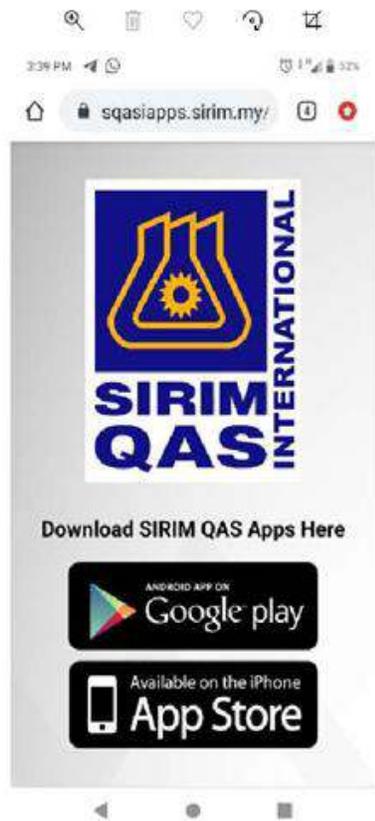
Type of PPE	DOSH-SIRIM label location	
	On the product	On the packaging
		
		
		
		

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	On the product	On the packaging
		
		
		

# SIRIM QAS MOBILE APP



# SIRIM QAS Mobile App



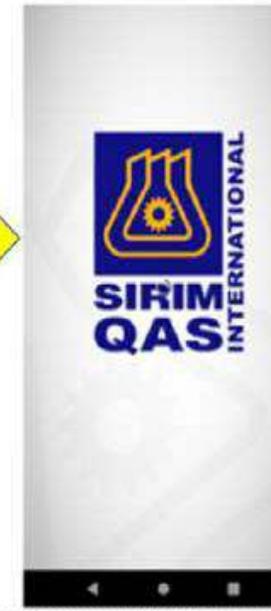
Download SIRIM QAS International Sdn Bhd app in Google play store or Apple App Store



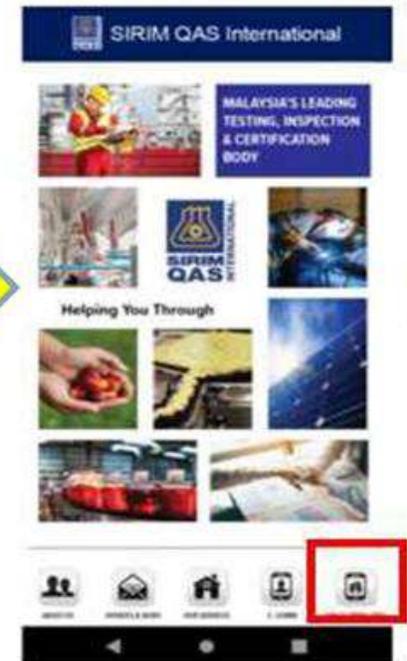
App downloaded into your mobile phone as shown below



Click on the app and launch of SIRIM QAS app



Click on the first right, right button "Check SIRIM Label"



# SIRIM QAS Mobile App

 SIRIM QAS International ...

**Serial No:**

Serial Number...

Search

**QR SCAN** 



 SIRIM QAS International...

**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

Click here for QR Scan



# Licensee



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# Thank You!

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