

Pattern Approval for Electric Vehicle Supply Equipment (EVSE)

Introduction

Pattern approval is a process by which measurement instruments, devices and systems are tested, evaluated, and certified to ensure their accuracy, reliability, and compliance with established standards.

This comprehensive evaluation ensures that the regulated measuring instruments meet the stringent metrological standards required for approval and fit to be used in Malaysia.

Why is Pattern Approval Required?

Pattern approval required for instruments to be used for trade and other legal purposes as enacted in National Measurement System Act (Act 675).

It helps to prevent fraudulent practices, protects consumer rights, promotes fair trade, and contributes to the overall reliability of measurements in commerce and industry.

Scope of Evaluation

- Evaluation of the metrological and technical characteristics of measuring instruments, including accuracy indicators.
- Assessing the influence of software on these characteristics.
- Analyzing the design for security measures to prevent unauthorized access or tampering.
- Verifying compliance with mandatory requirements for the instrument, its components, software, and measurement conditions.

Application Requirement

Application shall be accompanied by:

- EVSE pattern approval report from National Metrology Institute (NMI) of other countries or
- EVSE type test report from SIRIM QAS or laboratory accredited by accreditation bodies that have signed ILAC MRA or
- Document or other evidence that comply with the requirements of the OIML G22.

Pattern approval procedure generally takes two to six months.

Pattern Approval Certificate

Pattern Approval Certificate will be issued to successful application with ten (10) years validity period.

A rapid Conditional Approval* can be issued under special circumstances with two (2) years validity period.

**Partial assessment with limited test*

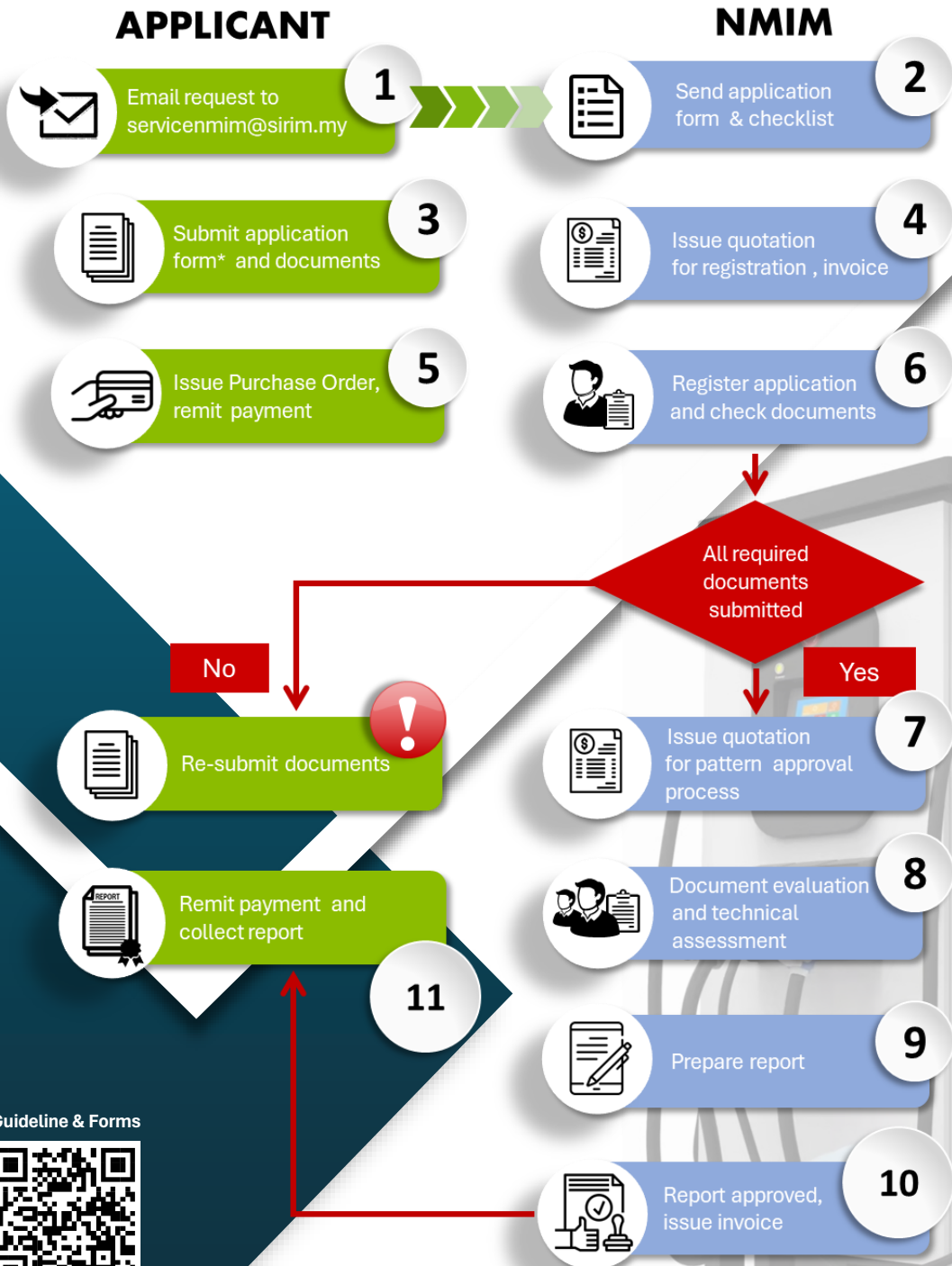
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Process Flow

of Pattern Approval for EVSE



* Guideline & Forms

