



Resources and tools available for implementing a Product Registration System (PRS)

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Overview of functionalities of the Software



**Modular
design**



**Product
categories**



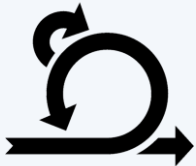
User roles
(admin, customs...)



**Tracking &
notification**



**MVE
records**



**Registration
lifecycle**



**Fee
processing**



**Cert. & labels
generation**



**Bulk product
upload**



**QR
compatible**

WHAT

SUPPORT CAN I GET TO IMPLEMENT A PRODUCT REGISTRATION SYSTEM?



Available for
implementation
in your country

United for Efficiency
Prototype

Welcome to the U4E Product Registration System
To legally import and/or sell a product registered for energy efficiency into a participating ...

Email:

Password:

[Forgot Password](#)

Not a member? Create new account

AIR
CONDITIONERS

REFRIGERATORS

LIGHTING

This U4E Product Registration System (PRS) is developed based on the Master Product Registration Framework with a focus on energy-efficient, room air conditioners, residential refrigerators and lighting as those are part of the U4E focus products. The Master Product Registration Framework takes into account specific legislative aspects such as product sub-categories, Minimum Energy Performance Standard thresholds, and Label categories, etc. This system is intended to be used as the National Product Registration Database Prototype for countries who currently do not have a PRS. Those countries who are interested, may utilize this U4E PRS prototype to develop as their own national systems.

Available for
implementation
in your region

United for Efficiency
Database

Country of registration	Brand	Model number	MEPS requirement	Technology	Product category	Product sub-category	Cooling capacity
up to 4 units	Search	Search	Search	Search	Search	Search	Search
<input type="checkbox"/> Vietnam	Mitsubishi	MSZ-LD14	5	Inverter	Outdoor split	Package	4.1
<input type="checkbox"/> Thailand	Mitsubishi	MSZ-LD14	5	Inverter	Outdoor split	Package	4.1
<input type="checkbox"/> Philippines	TOCHIKA	RAQ-E10U	5	Inverter	Self-contained	Single Split System	4.3
<input type="checkbox"/> Indonesia	UPES	UPH-2040	5	Inverter	Self-contained	Activate Windows Single Split System	4.3

As implemented in Southeast Asia in cooperation
with the ASEAN Centre for Energy

Technical specifications for the system and guidance notes on PRS and their benefits are available for download!
GET THEM ALL AT [HTTPS://UNITED4EFFICIENCY.ORG/PRODUCT-REGISTRATION-SYSTEMS](https://UNITED4EFFICIENCY.ORG/PRODUCT-REGISTRATION-SYSTEMS)

BENEFITS



Based on best-practice
functionalities which
can be personalized

U4E guidance
to implement the
framework



No need to start from
scratch

Additional product
categories can be added
due to the modular
structure of the system



Open source

Designed to work with slow
connections and data requests

Flexible deployment: Windows/
Linux, cloud/on-site

Product Registration System-Guides & Tools

4 Guidance Notes

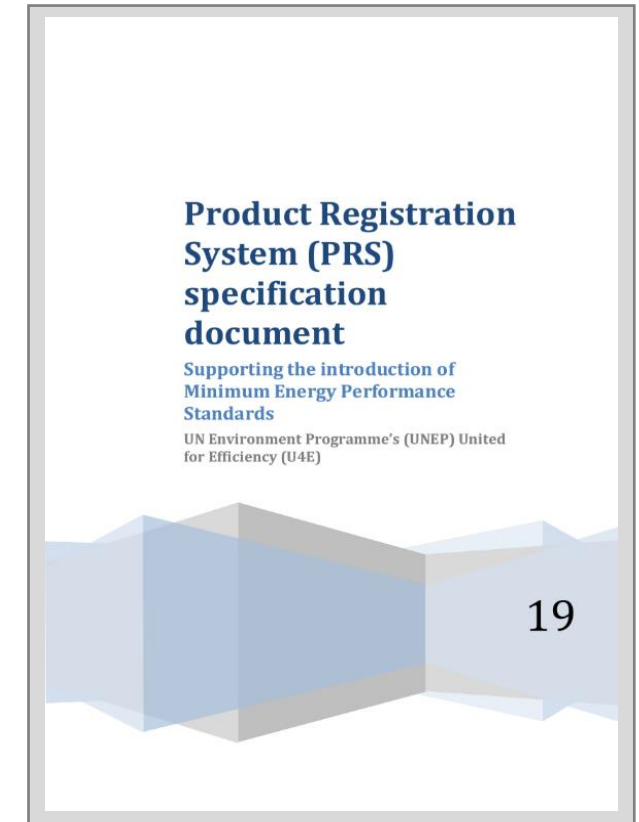


Initial guidance for interested stakeholders

Outline

Framework with recommended pages and fields

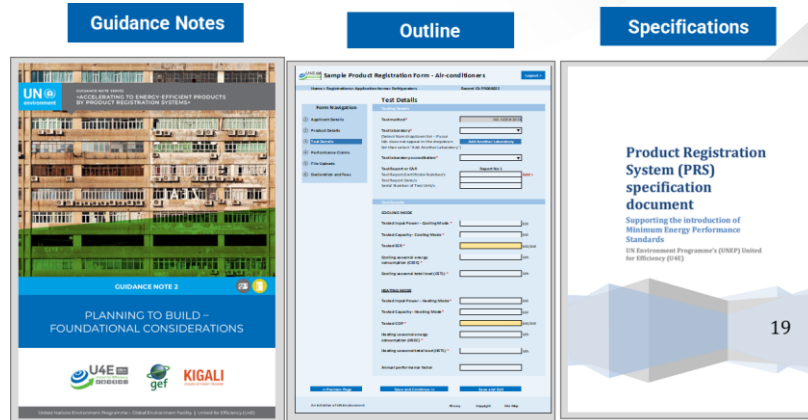
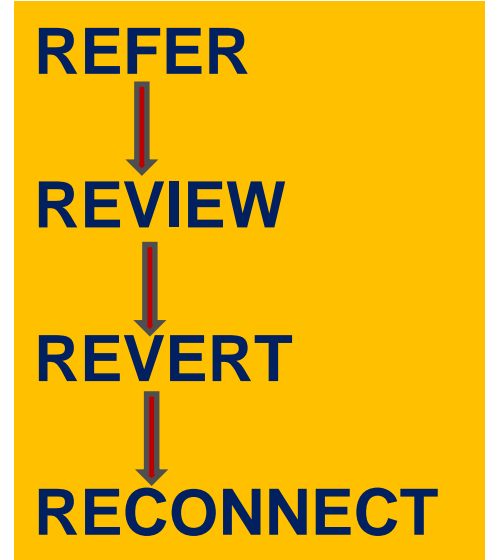
Specifications



Specifications for a software developer to develop a PRS

Resource: <https://united4efficiency.org/product-registration-systems/>

Simple next steps





Contact

TRANSFORMING MARKETS TO ENERGY-EFFICIENT PRODUCTS



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Overview of technical details of Software

- Designed as an online system to use *cloud-based database management system (DBMS)* to store, retrieve and manage data.

Advantages:

- **Sharing of Data & Privacy** - Various **levels of authorization** to access the data, and consequently the data can only be shared based on the correct authorization protocols being followed.
- **Data Security** - **Only authorized users** should be allowed to access the database and their identity is authenticated using a username and password.
- **Data Consistency** - Any **changes made to the database are immediately reflected** to all user levels and the data is same for all users viewing the database.

Technology used:

- Node.JS
- MySQL database
- Bootstrap front-end

