## Vehicle Registration Form

SEAI is a public body and subject to the terms of the Freedom of Information Act. Under this Act, SEAI will treat all data provided on this Form as Commercial in Confidence except that data which is marked *. Data which is marked with a preceding * is considered to be (or likely to be) available to the Consumer and will be displayed publically via SEAI's website. By submitting this Form, it is considered that you are aware and accept these Terms together with the Terms of Reference for Vehicle Importers.

Please review the Terms of Reference for Vehicle Importers before completing and submitting this Form to SEAI.

Complete the Form electronically and return by email to:

evgrantscheme@seai.ie

Only Registered Importers will be permitted to submit a vehicle for acceptance to SEAI's EV Grant Scheme.

Vehicle types must first be registered with the Revenue Commissioners before registering the vehicle with SEAI for inclusion in the EV Grant Scheme. For each new type or version supplied by the Importer which is registered with the Commissioners, a separate Vehicle Registration Form must be submitted to SEAI in accordance with the Terms of Reference.

A vehicle may be de-registered from SEAI's EV Grant Scheme for the following reasons:

1. The vehicle's Whole Vehicle Type Approval Certificate has been withdrawn or subject to investigations by the Approval Authority or relevant standards bodies
2. The vehicle fails to achieve a EuroNCAP Star Rating of 3
3. Importer or Dealer is considered to be in breach of SEAI's Terms of Reference for participation in this scheme
4. The vehicle Importer, OEM or standards bodies makes a reasonable request to do so
5. Data supplied is inaccurate or misleading

Following review of the submitted information, SEAI might seek to clarify some details. When all data has been received and the vehicle has been determined by SEAI (and any national standards body) to satisfy the Criteria as indicated in SEAI's Terms of Reference for Vehicle Importers, the Applicant will be informed by email. The Importer's registered Dealers will then be able to select the vehicle from SEAI's Grant Application website.

**Vehicle Importer Details**

Importer's SEAI Registration Number:

Name of Importer representative responsible for this Submission:

**Vehicle Type and Supporting Documentation**

| **Parameter** | **Details** |
|---|---|
| Vehicle Statistical Code (Revenue Commissioner) | |
| *Category of Vehicle (M1 or N1 only) | |
| Whole Vehicle Type Approval Number (must be for a completed or complete vehicle only) | |
| Name of Approval Authority | |
| Vehicle Type (ie as per WVTA) | |
| Vehicle Version | |
| Vehicle Variant | |
| Vehicle Commercial Name | |
| In the Case of N1 vehicle please provide Commercial Name for M1 vehicle from which this vehicle derives | |

| **The following documents must be included with this Registration Form** | | |
|---|---|---|
| 1. Whole Vehicle Type Approval Certificate | Document Included? | Yes/No |
| 2. 2007/46/EC Test Report (Conformity and Installation) | Document Included? | Yes/No |
| 3. UN ECE 101 Test Report (Fuel and CO2 Consumption) | Document Included? | Yes/No |
| 4. UN ECE 100 Test Report (EV Construction and Safety) | Document Included? | Yes/No |
| 5. Vehicle Warranty | Document Included? | Yes/No |

**Vehicle Details**

| Parameter | Unit | Value |
|---|---|---|
| *PHEV Fuel Type | Petrol/Diesel | |
| *PHEV Engine Size | Litre | |
| *Motor Power Output[1]<br>(EV/ICE for PHEV) | kW | |
| *Fuel efficiency[2] | Wh/km | |
| Is Vehicle fitted with Regenerative Breaks? | | Y/N? |
| Fuel Efficiency Test - Time out of Tolerance (UN ECE 101)[2]<br>(must be < 30s for vehicles without regenerative breaks) | s | |
| *Range on Single Charge[2]<br>(must be >100km for BEV and >20km for PHEV) | km | |
| Range Test - Time out of Tolerance (UN ECE 101)[2] | s | |
| *Maximum speed<br>(must be >= 100kph) | kph | |
| *Acceleration (0-100kph) | s | |
| *Tailpipe CO2 Emissions[2,3]<br>(must be 0 for BEV and <75g/km for PHEV) | g/km | |
| *Kerb Weight (vehicle in Running Order[3] without driver) | kg | |
| *Gross Vehicle Weight[4] | kg | |
| *Vehicle Warranty Period including Battery | years | |
| *Vehicle Warranty Period including Battery | km | |
| Manufacturer's predicted minimum EuroNCAP rating | Star Rating | |

Notes:

1) In accordance with UN ECE 85
2) In accordance with UN ECE 101
3) In accordance with Directive 2007/46/EC
4) Maximum vehicle mass according to Directive 2007/46/EC

**EV Battery & Charger Information for Electrical Grid & Infrastructure Development Purposes**

**Vehicle Charger Performance**

| Charge Scenario | Volt (per phase) | Amp (per phase) | Phases (1 or 3) | Power (kW) | Mode[2] or Level[3] | Grid - Plug/Socket Type[4] | Vehicle - Plug/Socket Type[4] | Time to Charge (hr) & % Charge |
|---|---|---|---|---|---|---|---|---|
| *Domestic | | | | | | | | |
| | | | | | | | | |
| *On-Street/ Car Park | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| *Fast Charging (DC Off Board) | | | | | Level 3 | n/a | CHAdeMO Compatible[5] Y/N? | |
| *Fast Charging (AC On-Board) | | | | | | | | |

Note:

1. See Importer Registration Terms for required voltages/modes/types
2. Modes as defined in IEC 61851-1
3. Defined in JEVS (Japan Electric Vehicle Standard) G105-1993
4. Types as defined in IEC 61851, IEC-62196
5. See http://chademo.com/ and JEVS G105-1993

**Charger Details**

| Charge Scenario | Manufacturer Name | Charger Model/Name | Charge Method[1] | Trickle Charge Enabled Y/N? | Standby Power Consumption (kWh/day) |
|---|---|---|---|---|---|
| Domestic | | | (provide profile I vs V) | | |
| | | | (provide profile I vs V) | | |
| On-Street/ Car Park | | | (provide profile I vs V) | | |
| | | | (provide profile I vs V) | | |
| | | | (provide profile I vs V) | | |
| Fast Charging (DC Off Board) | | | (provide profile I vs V) | | |
| Fast Charging (AC On Board) | | | (provide profile I vs V) | | |

Note:

1. Charge Method includes for example Const Current/Const Voltage, Pulse/Burp Charge, IUI etc

**Battery Details**

| Parameter | Unit | Value |
|---|---|---|
| Battery Manufacturer | | |
| Battery Model Name | | |
| Battery Type | | |
| Maximum Pack Voltage | Volt | |
| Nominal Pack Voltage | Volt | |
| Discharge Terminal Pack Voltage | Volt | |
| *Useful Energy Storage Size | kWh | |
| Mass of Battery Pack | kg | |
| Start of Life - Battery Capacity | Amp Hour | |
| Start of Life - Charge Efficiency (Discharge/Charge) | % | |
| Max continuous 30min power output | Watts | |
| Number of Cells | | |
| Maximum Operational Dept of Discharge | % | |
| **Battery Life and Management** | | |
| Estimated Number of Cycles for Life of Battery | | |
| Estimated Battery Capacity at this number of Cycles | Amp Hours | |
| Average Depth of Discharge for this number of Cycles | **%** | |
| Charge rate (ie C/5, C/2, 10C) for this number of cycles | | |
| Estimated Charge Efficiency at this number of Cycles | % | |
| Charging profile assumptions for life cycle calculation – provide brief detail on drive cycle, and basis for life cycle calculation | | |
| | | |
| For End of Warranty Period – Estimated Number of Cycles | | |
| For End of Warranty Period – Estimated Capacity | Ah | |
| For End of Warranty Period – Estimated Charge Efficiency | % | |
| Battery Manage System installed | | Yes/No |
| Communication Bus (CAN/LIN/SM/(other specify)? | | |

**Charging Profiles for Each Mode of Charge**

Please provide for each of the charging modes and charging times indicated, a corresponding spreadsheet with the following details

- kWh consumption for each 15min interval until charge cut off
- continuous kW, power factor consumption profile with time until charge cut off