



Annex to the DMP

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V2Market	101033686	V2Market

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D6.1 **Annex to the Data Management Plan**

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DISSEMINATION LEVEL

- ✓ **P** **Public**
- C** Confidential, only for members of the consortium and the Commission Services

Version History

REVISION	DATE	AUTHOR	ORG...	DESCRIPTION
v1.0	21.06.2023	Jonathan Robles	Nuvve	Introductory overview of data fields required to build the pipeline to eventually perform V2B/V2G service
V1.1	26/6/2023	Joana Mundó	ECO	Review and comments
V1.2	27/6/2023	Miquel Anglada	ECO	Incorporation of comments, conclusion, and final version
V2	30/6/2023	Joana Mundó	ECO	Final version

Statement of Originality

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

Summary

The purpose of this document is to provide a description of data type to be used as an annexation to WP 1 - D1.3. The detail of the data fields and data types required to integrate the performance of the V2G/V2B service onto existing infrastructure is clearly delineated.

In summary, this document provides a brief overview of the types of data that will be necessary to enable energy services across the Nuvve platform. A brief description of the service is provided and the required fields for onboarding Electric Vehicle Supply Equipment (EVSE) onto the Nuvve platform is clearly delineated. It is important to obtain the data fields mentioned to successfully perform energy services across existing infrastructure. A thorough internal review by Nuvve is required to properly commission an EVSE for V2G/V2B services.

Acronym list

Acronym	
V2G	Vehicle to grid
V2B	Vehicle to building
EVSE	Electric vehicle supply equipment
EV	Electric vehicle
DERs	Distributed energy resources



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Introduction

The project V2Market represents an innovative approach to incorporate electric vehicle batteries into the electricity system, using electric vehicle batteries as storage and flexibility solutions for the grid (vehicle to grid), and for buildings (vehicle to building). It therefore tackles electric system efficiency and uses the big data and price forecasting ICT tools to extract the maximum value from pools of EVs.

In order to comply with the objectives of using the electric vehicles as storage and flexibility solutions for the grid and buildings themselves, the obtention of proper data and communication schemes is required to establish energy services from electric vehicles.

The present document deals with the required data to be obtained from electric vehicle users in order for the Nuvve technology to properly operate and provide energy services to the grid or the building through Vehicle to grid and vehicle to building/home technologies. It, therefore, serves as a complementary and more detailed information regarding data requirements for the previously prepared data management plan.

1/ Data Fields

Following the standards delineated in WP 1 – D1.3 the following data fields shown on the table below will be necessary to comply with the Nuvve technology and partner’s technology to establish energy services.

1.1 Data Fields Table

The purpose of these fields is to gather important information about EV and installation information. By providing these details, we can ensure services to better suit energy service requirements, improve charging efficiency, and deliver a seamless experience. All information provided will be treated with utmost confidentiality and used solely for the purpose of enhancing Nuvve services. Various aspects, including customer information, EV and EVSE details, installation requirements, tariff information and any on-site distributed energy resources (DERs) are mentioned in the table.

Necessary Fields

General	
Customer primary contact information	Name: Mail: Telephone no.: Company and Position:
Customer secondary contact information	Name: Mail: Telephone no. Company and Position:
Billing address	[street name, postcode, town, region, country]
Profile creation for access to Nuvve FleetBox (dashboard and app)	
Contact information for each profile (Please add more if necessary)	Name: Mail: Telephone no. Name of fleet:
	Name: Mail: Telephone no. Name of fleet:
	Name: Mail: Telephone no. Name of fleet:
	Name: Mail: Telephone no. Name of fleet:

EVSE (charger)	
Expected EVSE arrival date	
Expected Installation date	[dd-mm-yyyy]
EVSE Type and model	
EVSE Serial Number	
EV	
Expected EV arrival date	[dd-mm-yyyy]
EV OEM (Make)	
EV model	
EV Trim level	
EV Battery size, (kWh)	
Max charging power, (kW)	
Max discharge power, (kW)	
Charging port, type (DC)	
EV Licence plate	
Fleet Size	
EV trips	
Business days (Days of the week)	
Usual duty hours	
Usual idling hours	
Usual km usage per day	
Installer	
Company name	
Address	
Contact	
Installation site — please provide information for each site if EVSE's are installed at multiple locations	
Site Address	[street name, postcode, town, region, country]
Photo (incl. aerial views or site plan, locations of router, EVSE's, DB etc...)	
DSO name	
POC information	
Tariff name	

Delivery points: (Number of metering points supplying EVSE's).	
Circuits at each delivery point (Number of Distribution boards supplying EVSE's)	
EVSEs at each circuit	
EVSE Priority	
Power limitation (kW) - Site limit for fleet at delivery point	
Supply cable dimension (if available)	
Supply voltage, (V) (if available)	
Supply amperage (A) (if available)	
Phases	
Supply cable dimension to EVSE (if available)	
Supply Voltage, Amps and phases to EVSE	
Onsite DER's (PV, Wind, battery storage)	
Onsite DER's Capacity (kW)	
DER configuration/description	
EVSE's to be installed at this site (Please provide EVSE serial numbers)	

Conclusions

To sum up, the present document encompasses the required data to be obtained from EV users for the proper usability of the Nuvve technology in order to provide energy services through the vehicle to grid and vehicle to building technologies. It serves as a complement to the previously defined Data Management Plan prepared at the beginning of the project.

From this brief analysis, it is apparent that there are a minimum of 13 sensible and personal data points (name, email, telephone, address...). These data points shall be managed according to current Spanish regulation on data treatment and following the previously established protocols in the aforementioned Data Management Plan.

