

Simplifying V2G connections

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You said...



We did

Multiple application forms for V2G are confusing

The assessment process takes too long

Need better visibility of application status

Fuse upgrades need to be linked with connections

Drafted V2G into the ENA EV/HP form so it can be used for small scale V2G

Established a project to automated the assessment of V2G and other LCTs

Provided a dashboard to manage applications and set up automatic email updates

Customer automatically referred for a fuse upgrade if required and installers notified when work completed





Information Required

- G98/G99 Form (generation)
- Charge point certification
- ☐ ENA EV/HP Form
- Photo of main electricity fuse
- Single Line Diagram
- ☐ Site Layout



The revised ENA EV/HP form was consulted on as part of the Distribution Code Review Panel consultation (DCRP/21/01/PC) alongside other modifications to G98/G99 for V2G

EV Charge Points						
Charge Point Manufacturer						
EV Charge Point Model						
Model in the ENA EV Database (DC Only)			Yes	Produ	uct ID:	
			No	If no, fill in Section F		
V2G EVCP						
Export Capacity						
Model Fully Type Tested and registered in the ENA Type Test Register			Yes	ProductID:		
			No	If no, fill in Section F		
Heat Pumps						
Manufacturer						
Model						
How will the Heat Pump be used? The Heat Pump mod			l stated will		☐ Heating only	
Please tick one	provide:			☐ Heating and cooling		
Does the Heat Pump have additional components installed?	Back-up heater:	Boost Heater:			Immersion heater:	
	☐ On-board		On-board		☐ On-board	
	☐ External		External		☐ External	
Model in the ENA Heat Pump Type Test Database			Yes	Register No:		
			No	If no, fill in Section F		

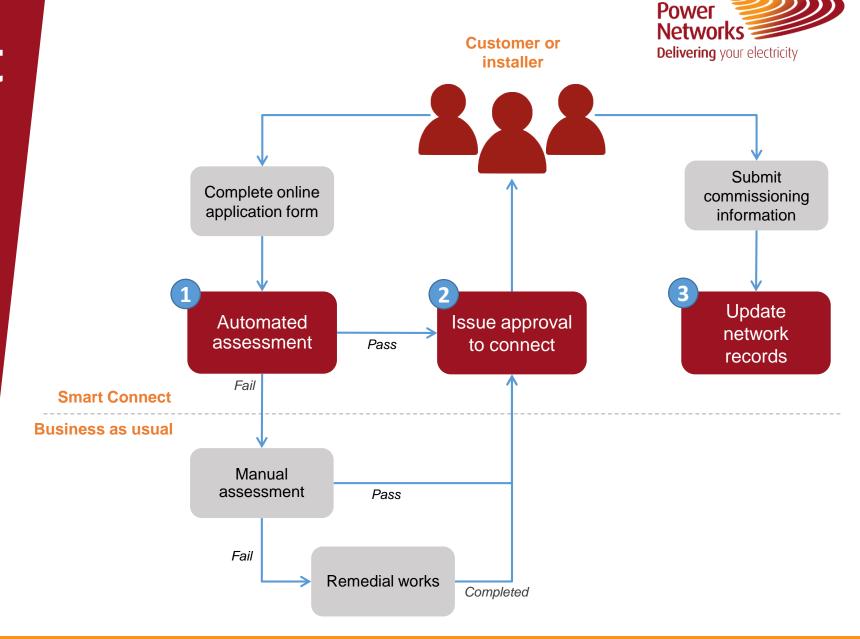
Smart connect

Eligibility criteria

- Single domestic premise
- Existing connection (up to 100A 3ph)

Equipment types

- EV charge point
- V2G charge point
- Heat Pump
- Solar PV
- Battery storage



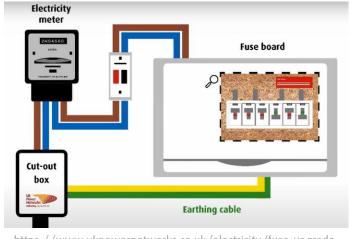
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Continuous improvement

Difficult to understand requirements and coordinate supply due to different ownership of equipment

We've produced guidance on who is responsible for each piece of equipment and the ratings required



https://www.ukpowernetworks.co.uk/electricity/fuse-upgrade

A number of customers required export limiting to prevent voltage rise

LV network visibility and trial data are required to inform network planning and enable greater utilisation of flexible assets



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