

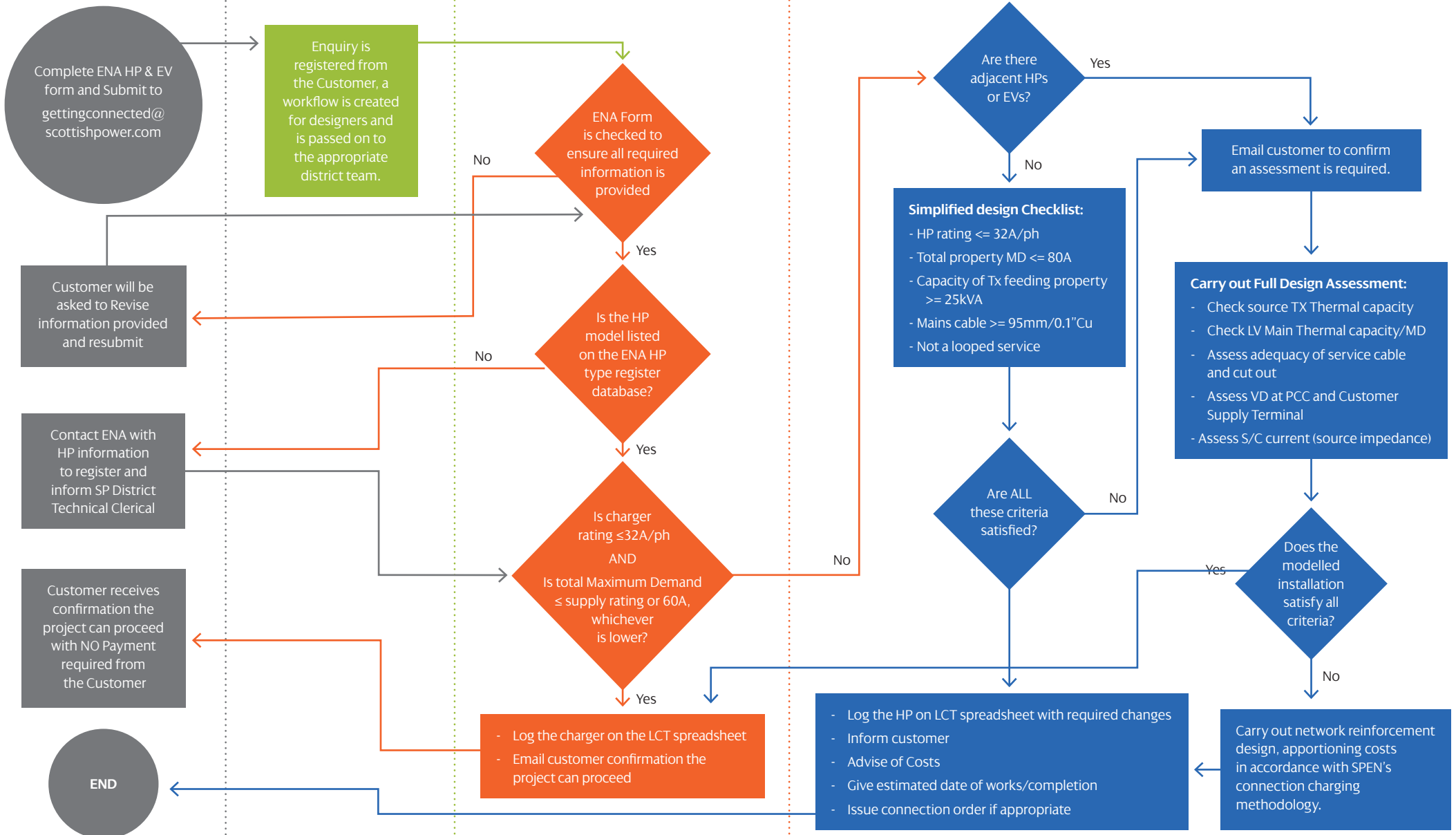
SP Energy Networks Process for Assessment and Design of Heat Pump (HP) System in Domestic or Small Commercial Premises

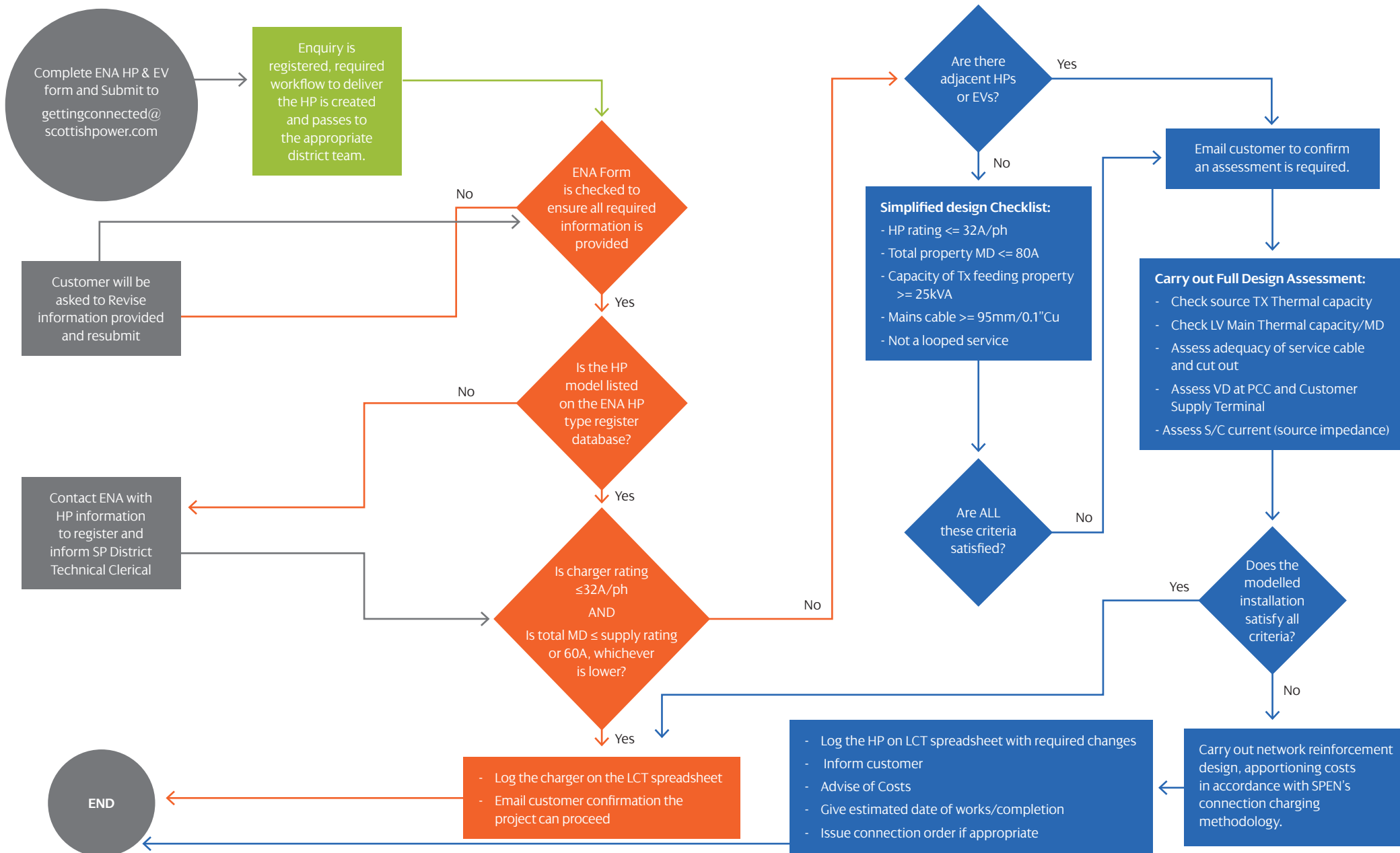
Customer/Installer

SPEN Clerical Team

District Technical Clerical

District Designer





Complete ENA HP & EV form and Submit to gettingconnected@scottishpower.com

Enquiry is registered, required workflow to deliver the HP is created and passes to the appropriate district team.

ENNA Form is checked to ensure all required information is provided

Customer will be asked to Revise information provided and resubmit

Is the HP model listed on the ENNA HP type register database?

Contact ENNA with HP information to register and inform SP District Technical Clerical

Is charger rating ≤32A/ph AND Is total MD ≤ supply rating or 60A, whichever is lower?

END

- Log the charger on the LCT spreadsheet
- Email customer confirmation the project can proceed

Simplified design Checklist:

- HP rating ≤ 32A/ph
- Total property MD ≤ 80A
- Capacity of Tx feeding property ≥ 25kVA
- Mains cable ≥ 95mm/0.1"Cu
- Not a looped service

Are ALL these criteria satisfied?

Carry out Full Design Assessment:

- Check source TX Thermal capacity
- Check LV Main Thermal capacity/MD
- Assess adequacy of service cable and cut out
- Assess VD at PCC and Customer Supply Terminal
- Assess S/C current (source impedance)

Does the modelled installation satisfy all criteria?

- Log the HP on LCT spreadsheet with required changes
- Inform customer
- Advise of Costs
- Give estimated date of works/completion
- Issue connection order if appropriate

Carry out network reinforcement design, apportioning costs in accordance with SPEN's connection charging methodology.

Are there adjacent HPs or EVs?

Email customer to confirm an assessment is required.