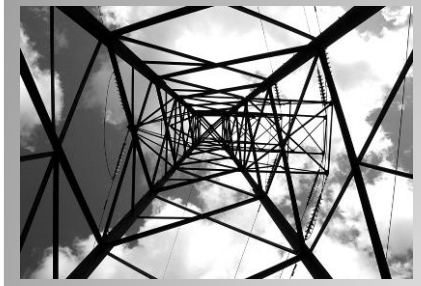



Applications Process

Breakout Sessions

Which Application Should I Complete?

GENERATION TECHNOLOGY

Is your generating unit one of the following technologies:

- Domestic Combined Heat and Power (CHP)
- Photo-Voltaic (PV)
- Fuel Cells
- Hydro power plant

YES / NO

SIZE OF YOUR GENERATING STATION

Is its rating ≤ 11 kW for a 3-phase generating station?

Or is it rating ≤ 3.66 kW for a single-phase generating station?

NO

YES

VOLTAGE LEVEL OF CONNECTION

Is your generation plant:

Connected at 230 V for a single- phase system?

Connected at 400 V for a 3-phase system?

NO

YES

NUMBER

How many generators are you planning to install?

ONE / MORE THAN ONE

Go to Single Small Generator InstallationGuide

Go to Multiple Small Generators InstallationGuide

Go to Guidance for Larger Generators

EXAMPLES

Examples of 3-phase DG with a rating < 11 kW, and of single-phase DG with a rating < 3.66 kW (< 16 Amps per phase)

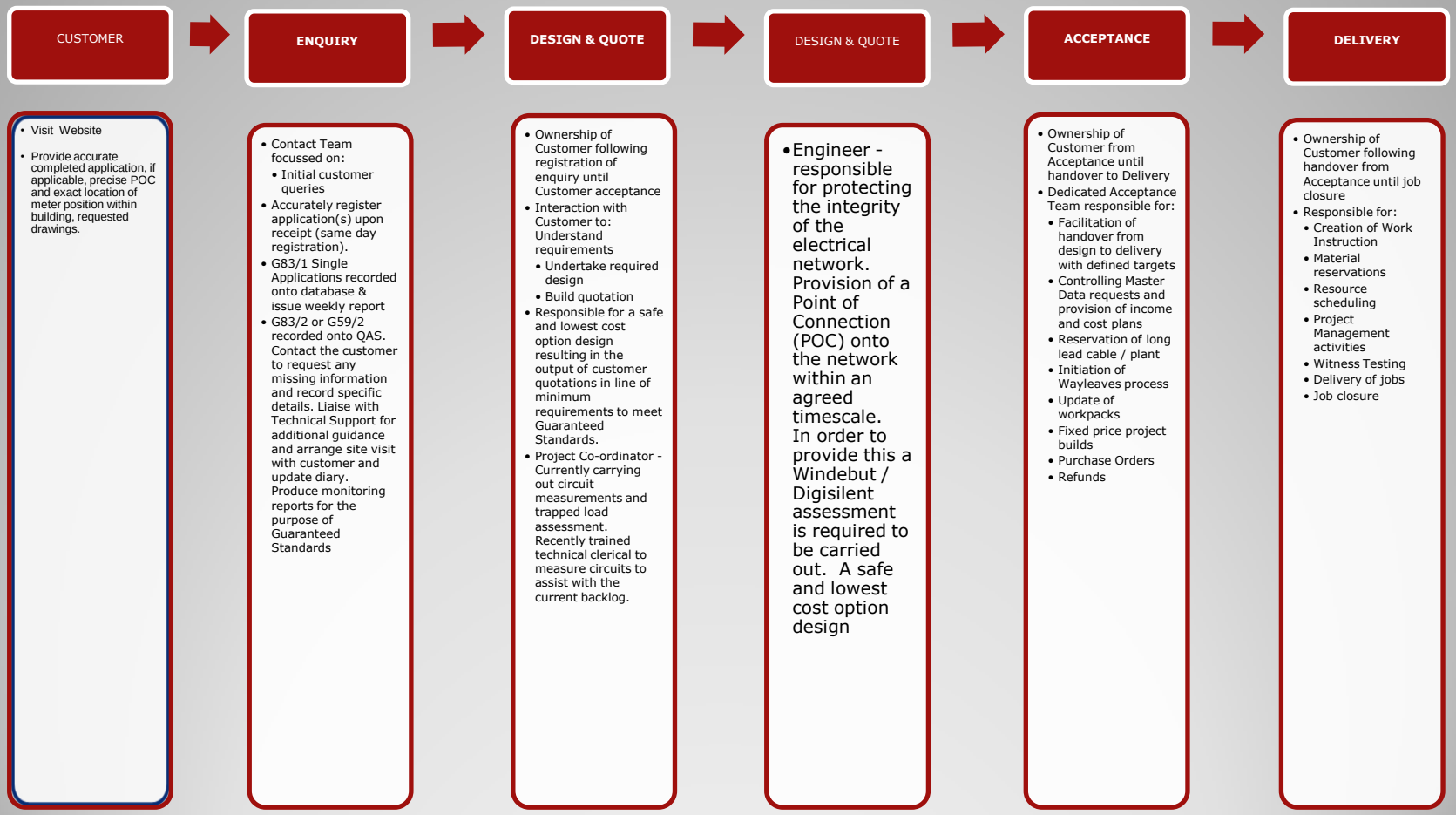
PV SYSTEM
size < 30 m2
or < 15 large panels
or < 20 small to medium PV panels

NOTE FOR SMALL-SCALE WIND
If you are planning on installing wind generation, even if it meets the size requirements described (left), it does not fall under G83/1-1. Instead, you will have to refer to the G59/2 connection process. Following a discussion with your DNO you may be permitted to follow the G83/1-1 process-your DNO will indicate which process you will follow. In this case, the G83/1-1 Guides may be more appropriate for you.

Type of Application

- G83 Stage 1 Single Application - Legal Obligation for installers to notify the DNO within 28 days of commissioning
- G83 Stage 2 Multiple Applications - The application for connection sheet below must be completed, along with the associated equipment test certification in line with G83/1-1, and forwarded to the appropriate address. We will consider the application and advise of any work, cost and associated timescales. There may be a charge for the work associated with evaluating this connection.
- G59 Larger Applications - In general for generators in excess of 16A per phase (3.68kW)
- There may be a charge for the work associated with evaluating this connection.

Process Overview



Competent Application

For an application to be deemed valid the following information will be required :

•Completed standard application form containing all appropriate technical details
•A detailed one-line schematic diagram of the proposed installation.
•A schematic drawing showing the protection systems associated with the automatic disconnecting devices for additional sources of electrical energy including loss-of-mains protection and trip-circuit supervision.
•A clear narrative description of the scheme that describes the scheme operation for Normal Mains Healthy, Loss of Mains, Returns of Mains and Paralleling (where applicable)
•A scale drawing detailing the layout of the earth electrode system(s) associated with each source of energy.
•A location drawing and a (1:500 preferred) scale development site plan indicating the location of the proposed generator(s) clearly identifying six figure X,Y co-ordinates of the proposed generator(s), inverter and controls plus an indication of proposed connection point
•For wind turbine developments, a detailed dimension drawing of the tower and turbine assembly

And once you have accepted your Offer…

- We will start to progress your works…acceptance is a commitment to construction for both parties.
- Should you then wish to vary the location, number or capacity of your connection a re-quote will need to take account of the network at that time, including any other connections applied for or accepted.
- Remember though that you can terminate your construction contract right up to energisation and we will return any sums that are either unspent or uncommitted at the point of termination.

Questions?