

nationalgrid

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Energy Storage Sub Group

September 13, 2018



- Member List

- Michael Porcaro – Technical Lead
- Will Lauwers -
- Mike Conway
- John Motta
- Joseph Petta
- Steven Rymsha
- Melissa Kemp
- B Canavan
- Keith Jones
- Danny Musher
- Sky Stanfield
- Gerry Bingham
- Samer Arafa
- Chris Rauscher
- Steven Casey
- Brian
- Cynthia Janke
- Nitzan Goldberger

- Data Collection



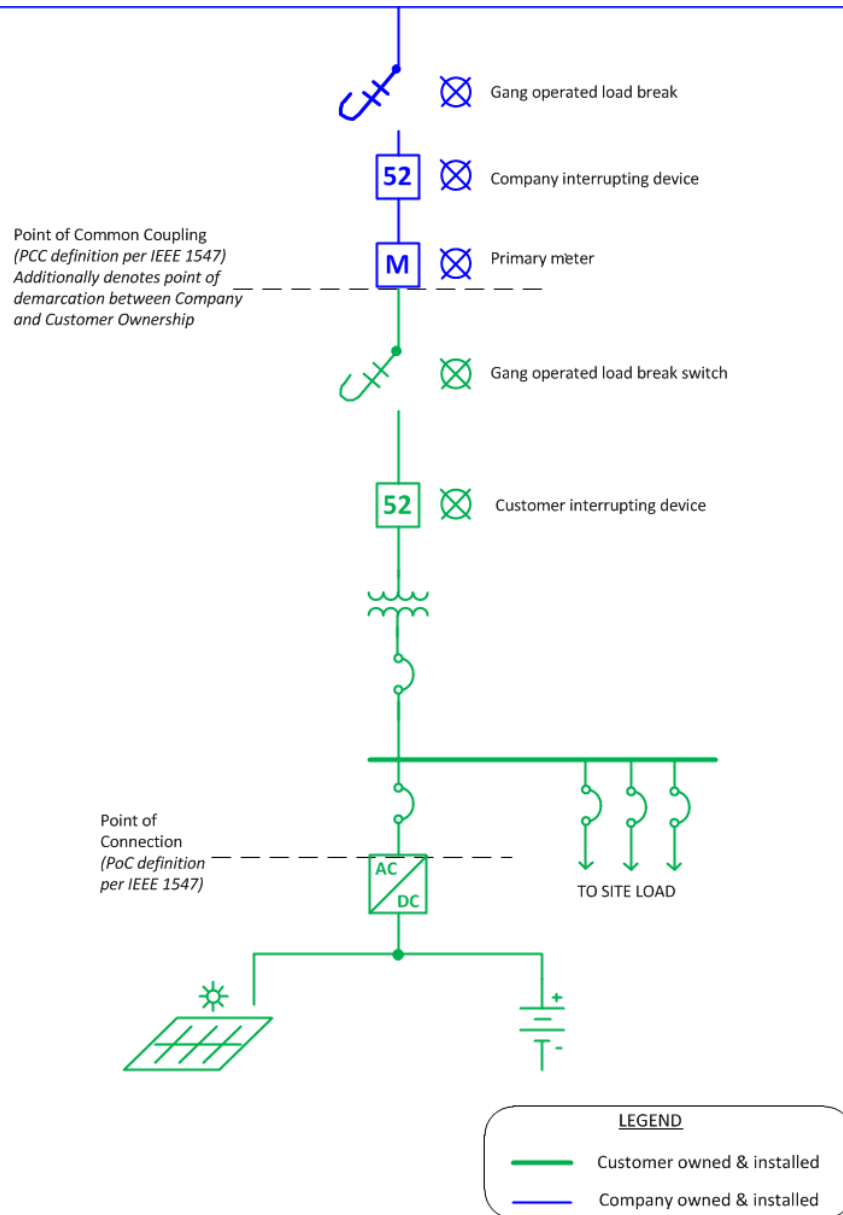
Microsoft Excel
Worksheet

- Supporting Documentation

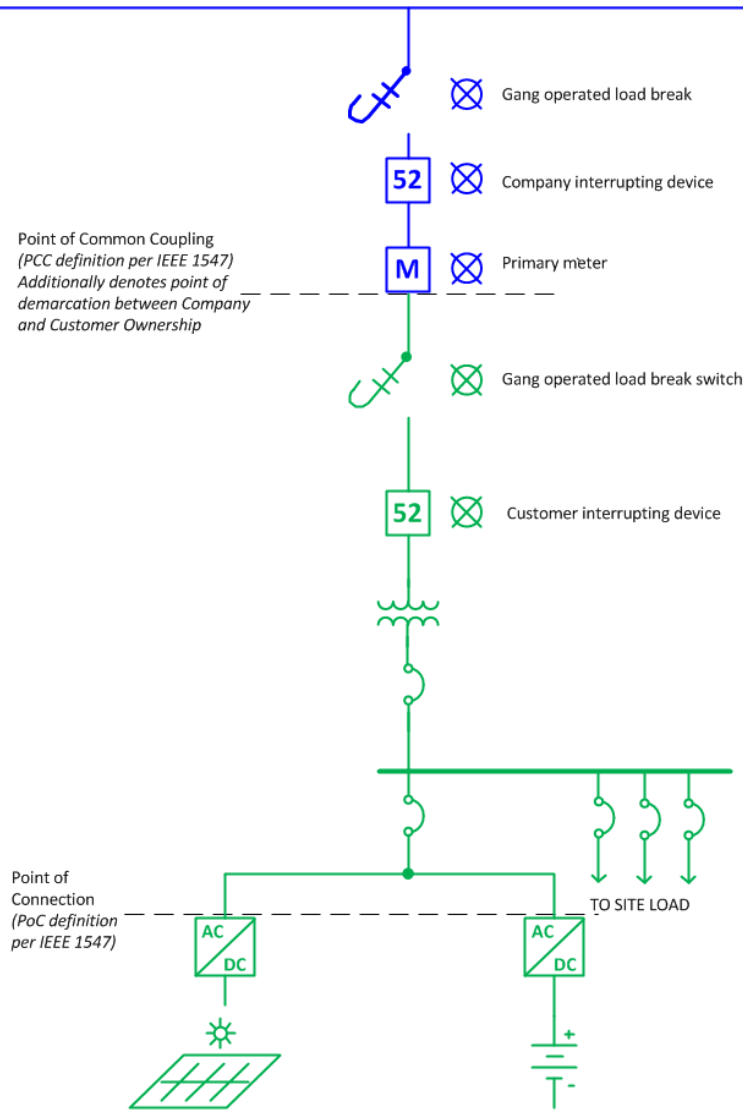


Microsoft Word
Document

Typical Site Arrangements – DC Coupled



Typical Site Arrangements – AC Coupled



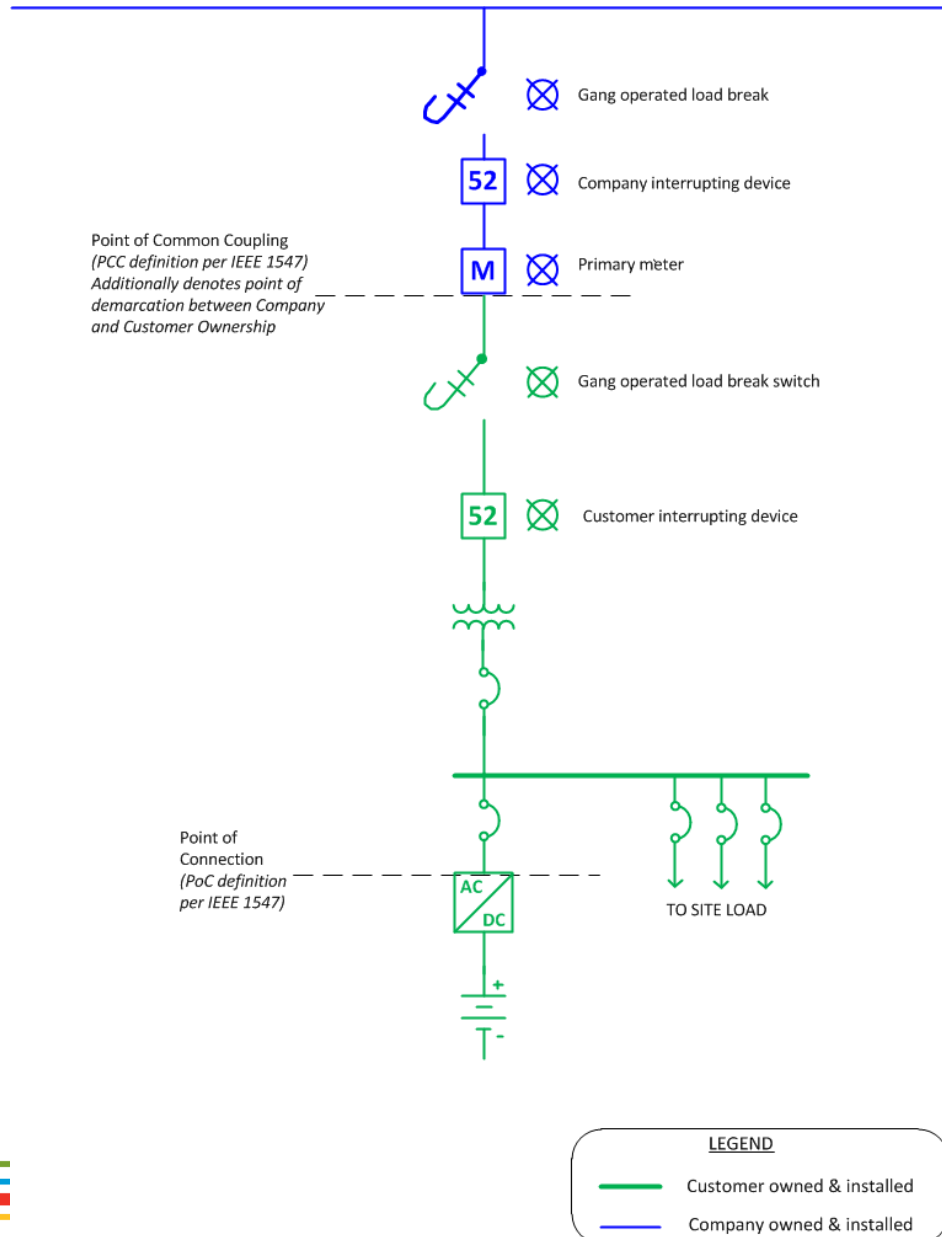
Point of Common Coupling
(PCC definition per IEEE 1547)
Additionally denotes point of demarcation between Company and Customer Ownership

Point of Connection
(PoC definition per IEEE 1547)

LEGEND

- Customer owned & installed
- Company owned & installed

Typical Site Arrangements – Stand Alone



- Include general information requests in the Common Guideline
- Open conversation on analysis methods
 - Ramp rate
 - AC vs DC coupled
- Fault considerations
 - Full nameplate rating of inverter, or limited value
- Implications of self-islanding
- Consideration of widespread installations
 - Requirements must consider effect if everyone on system has ESS