Request of Generator Information

Customer

Customer Contact

Installation Location
(Site Name, e.g. Pinkenba)

Energex Contact

Subject

PARAMETRES	SPECIFIED / CONFIRMED / SUPPLIED							
Installation Sites								
Installation Site/s	1		2		3		4	
Number of Units								
Generator Make /Model								
Type of operation (e.g. backup, Cogen, islanding or market pool price)								
Operating Regime (intended for parallel operation hours per year)								
Rating								
Generator fuel type	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
Generator type (Synchronous/ Induction /Asynchronous/Wind/Fuel cells)								
Rated KVA								
Rated voltage								
Rated power factor								
Rated current								
Efficiency								
Reactances								
Xd Direct axis synchronous								
Xq Quadrature axis synchronous								
X'd Direct axis transient								
X"d Direct axis subtransient								
X"q Quadrature axis subtransient								
X_L Leakage reactance								
X_2 Negative sequence								
X_0 Zero sequence								
Time Constants								
Open Circuit Transient – Direct Axis T'do								
Short Circuit Transient – Direct Axis T'd								
Open Circuit sub-transient – Direct Axis T"do								
Short Circuit sub-transient – Direct Axis T"do								

Open Circuit Sub-transient – Quadrature Axis T”qo				
Short Circuit Sub-transient – Quadrature Axis T”qo				
Armature time constant - Ta				
Rated Reactive output at maximum load (MVars)				
Method of voltage control				
Governor Type				
Type of Neutral Earthing				
Alternator Data				
Make/Model				
Excitation Method/type				
Voltage Regulation (steady state)				
Harmonic order emissions (E.g. 5,7…) if applicable				
Harmonic order emission (5,7…) % of the FLC if applicable				

CONNECTED TRANSFORMER DATA (IF USED) - TRANSFORMER SPECIFICATION				
Parameters	**Specified /Confirmed/Supplied**			
Number of Units				
Voltage Ratio				
Rating (kVA)				
Connection (e.g. Dyn11)				
On Load Tap Changer Range				
Type of neutral earthing				
Impedance (%)				

DOCUMENTATION CHECKLIST						
Description	**Site 1:**		**Site 2:**		**Site 3:**	
Completed Form 1551	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
Single line diagram showing generator and load connection arrangement, switchgear, connection voltage and switching arrangement	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
Manufacturer’s specification data sheet for generator/s attached	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
Protection drawing showing relay types and settings	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No
Operating regime – Output profile of generator/s	☐ Yes	☐ No	☐ Yes	☐ No	☐ Yes	☐ No