Part 4a

Synchronous Power Generating Module data: (please complete a separate sheet for each different Synchronous Generating Unit)

Name(s) / identifiers of Generating Unit(s)				
Type of Generating Unit (wound rotor, salie	nt pole)			
Positive sequence (armature) resistance (HV connected generators only)				per unit
Direct axis reactances				
Sub-transient (X"d) – unsaturated				per unit
Sub-transient (X"d) – saturated				per unit
Transient (X'd) – unsaturated				per unit
Transient (X'd) – saturated (HV connected generators only)				per unit
Synchronous (Xd) – unsaturated				per unit
Synchronous (Xd) – saturated (HV connected generators only)				per unit
Time constants (HV connected	only):			
	Open circuit time constant		Short circuit time constant	
Direct-axis sub-transient – unsaturated		s		s
Direct-axis sub-transient – saturated		S		S
Direct-axis transient – unsaturated		s		S
Direct-axis transient –saturated		s		s

(see Note 10)	with the Di	10)
If operating in Power Factor control mode, preferred Power Factor		
If operating in voltage control mode, voltage set point		V
If operating in reactive power control mode, reactive power set point		MVAr
Generating Unit Performance Chart attached If yes, please insert the file name of the attachment here	Yes	No
HV Connected Type A, Type B, Type C and Type Generating Module frequency and excitation (s))
Frequency response Droop setting in LFSM-O (All Types, see Note 11)		%
Frequency response Droop setting in LFSM-U (Types C & D only, see Note 11)		%
Governor and prime mover model attached (see Note 12) If yes, please insert the file name of the attachment here	Yes	No
Inertia constant (Generating Unit and prime mover) (HV connected generators only)		MWse MVA
AVR / excitation model attached If yes, please insert the file name of the attachment here	Yes	No
Type C and Type D Power Generating Module additional (see Note 10)	ional freque	ncy respons
Frequency response Droop setting in FSM (if applicable)		%
Frequency response mode	FSM	LFSM