

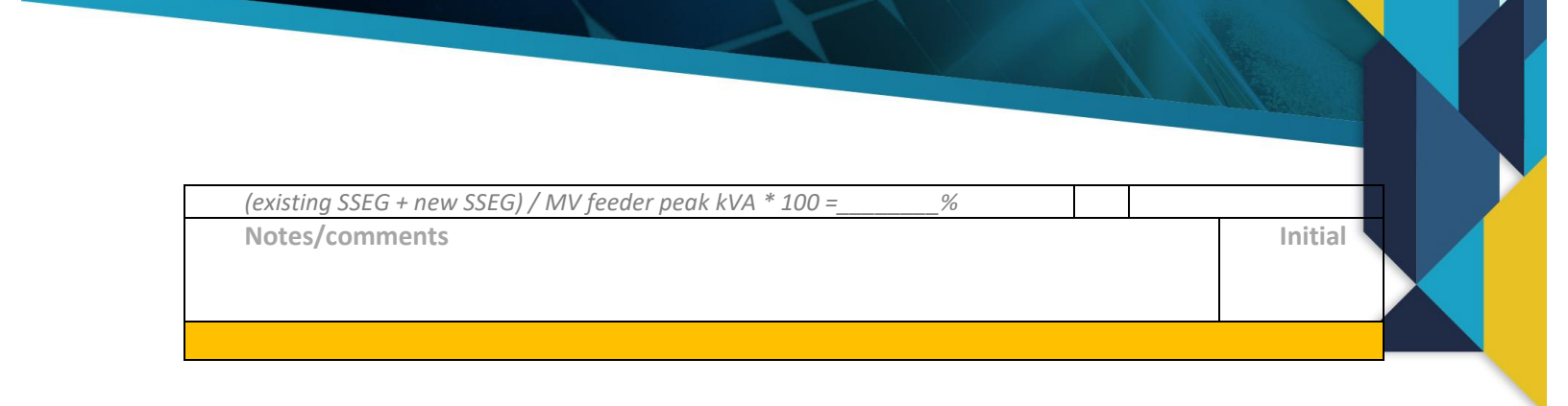


SSEG APPLICATION CONTROL DOCUMENT

This Control Document is to be attached to each SSEG application.

Application from (name):		Date:
Check	☒	Comments/Notes
GENERAL CHECKS		
RECEIVE APPLICATION FORM		
1. All information completed?		
2. Other Departmental permissions obtained? (as necessary)		
3. Installer accreditation? (if required)		
4. NERSA registration needed? (if >100kVA) (Note that NERSA license needed if >100MW, but this is a separate application assessment process)		
5. Attachments supplied:		
5.1. NRS097-2-1 Test Certificate?		
5.2. Preliminary circuit diagram (if >100kVA)		
Notes/comments		Initial
EVALUATION OF APPLICATION AS PER NRS097-2-1 and NRS097-2-3 (Note: consult these standards where necessary or for queries)		
1. Basic compliance with NRS097-2-1:		
1.1. Earthing arrangements adequate?		
1.2. Test Certificate according to NRS097-2-1 adequate, from accredited test house? OR		
1.3. On approved inverter list? OR		
1.4. Other adequate protection information provided?		
1.5. If storage connected in parallel to EG via separate storage inverter: separate inverter NRS097-2-1 certification?		
Notes/comments		Initial
2. Basic compliance with NRS097-2-3 (if not compliant, specialist grid impact studies may be required):		
2.1. Total capacity (kVA) of system 350kVA or less?		

2.2. System is linked to LV network (not MV or HV)		
2.3. LV fault level at customer point of supply greater than 210A?		
Notes/comments	Initial	
If on a shared LV feeder:		
2.3.1.Total SSEG kVA <25% of NMD / circuit breaker capacity (see relevant table in NRS097-2-3) OR Calculate: NMD: _____ kVA SSEG size: _____ kVA SSEG % of NMD: $SSEG\ kVA / NMD\ kVA * 100 =$ _____ %		
2.3.2.Maximum of 20kVA? (supersedes 25% of NMD criteria)		
2.3.3.If >4.6kVA, is it balanced across phases?		
Notes/comments	Initial	
If on a dedicated LV feeder		
2.3.4.Total SSEG kVA <75% of NMD To calculate: NMD: _____ kVA SSEG size: _____ kVA SSEG % of NMD: $SSEG\ kVA / NMD\ kVA * 100 =$ _____ %		
2.3.5.Feeder cable limits voltage rise to 1% (see relevant table in NRS097-2-3)		
2.3.6.If >4.6kVA, is it balanced across phases? (if connection only single phase, up to 13.8kVA allowed on phase)		
Notes/comments	Initial	
NETWORK CHECKS		
NETWORK CAPACITY CHECK		
3. Shared feeder ONLY: Total SSEG on all shared feeders <25% of MV/LV transformer rating? To calculate: MV/LV transformer: _____ kVA Total existing SSEG on shared feeders: _____ kVA Cumulative SSEG on shared feeders under transformer: $(existing\ SSEG + new\ SSEG) / transformer\ kVA * 100 =$ _____ %		
4. Total SSEG generation on ALL LV feeders (shared and dedicated) <75% of MV/LV transformer rating? To calculate: MV/LV transformer: _____ kVA Total existing SSEG kVA under transformer: _____ kVA Cumulative SSEG under transformer: $(existing\ SSEG + new\ SSEG) / transformer\ kVA * 100 =$ _____ %		
5. Total SSEG generation on MV feeder <15% of MV feeder peak load? (under all transformers) To calculate: MV feeder peak load: _____ kVA Total existing SSEG kVA on MV feeder: _____ kVA Cumulative SSEG on MV feeder:		



<i>(existing SSEG + new SSEG) / MV feeder peak kVA * 100 = _____ %</i>		
Notes/comments		Initial



6. If above checks OK, notify customer to proceed		
7. If above checks not OK , either:		
7.1. Request further information from customer, OR		
7.2. Advise customer on SSEG system that would be acceptable (e.g. smaller system), OR		
7.3. Inform customer that grid impact study required (and request meeting to discuss requirements)		
Notes/comments	Initial	

IF GRID IMPACT STUDY REQUIRED: On completion of Study:		
NETWORK PLANNING CHECK		
8. Grid impact study indicate that generator installation can proceed?		
Notes/comments	Initial	
9. Customer notified accordingly		
Notes/comments	Initial	

If installation to proceed, install METER, update records:		
METERING		
10. Request meter payment		
Notes/comments	Initial	
11. Install bi-directional meter (once payment received)		
Notes/comments	Initial	
RECORD KEEPING		
12. Capture SSEG on database		
Notes/comments	Initial	



Installation takes place. Customer submits completed Commissioning Form

COMMISSIONING

Commissioning form assessment:

13. All required information completed?		
14. kVA and key component make and model same as Application Form?		
15. Loss of mains test performed?		
16. Safety labels checked in accordance with NRS097-2-1		
17. Signoff adequate?		
18. Attachments all present:		
18.1. Final circuit diagram		
18.2. NRS097-2-1 Test Certificate (if required)		
18.3. Storage inverter NRS097-2-1 Test Certificate (if installed)		
18.4. Electrical CoC and number		Number:
Notes/comments		Initial

If all OK: Activate TARIFF, Notify Customer, Update Records

RECORD KEEPING

19. Update generator info on database		
Notes/comments		Initial

TARIFFS/BILLING

20. Activate SSEG tariff for customer		
Notes/comments		Initial

FINALISATION

21. Check that meter installed		
22. Check that SSEG tariff activated		
23. Inform customer that generation may proceed		
24. Close off process, archive		
Notes/comments		Initial

End