

20 February 2024

TO WHOM IT MAY CONCERN

AMENDED INTERIM RECOMMENDATION

SMALL SCALE EMBEDDED GENERATION (“SSEG”) INFRASTRUCTURE DESIGN, TEST, COMMISSIONING AND PROFESSIONAL SIGN-OFF REPORTING REQUIREMENTS

Until such time as SANS 10142-Parts 2, 3 or 4 (“The Wiring of Premises”) or any other relevant regulatory guidance documents are duly published by the SABS, the Management Committee of The NRS Association of SA after much deliberation **recommends as an interim measure** that all embedded generation systems or infrastructure with electricity generation capacity smaller or less than 1 MVA (1000 kVA) [and especially those installed on to an Eskom or a municipality’s Distribution(Dx) electricity grid] must be professionally assessed / inspected and signed off on commissioning by the applicable Engineering Council of South Africa (“ECSA”) duly registered / recognised equivalent persons , trained and competent persons **in solar system design and installation for the applicable installations as stated below:**

- ✓ Professional Engineer, (Pr. Eng) or
- ✓ Professional Engineering Technologist (Pr. Tech Eng) or
- ✓ Professional Certificated Engineer, (Pr. Cert Eng) or
- ✓ Professional Engineering Technician, (Pr. Techni Eng)

The professional sign off shall confirm that the said solar electricity generation system and/or facility as complying, as a minimum, with minimum design and safety requirements in respect of the installations as indicated below.

In terms of specifics the following will apply with respect to the professional sign off:

1. **Design/test/commissioning/professional sign-off** of SSEG installations up to and including 12kW single phase - ECSA registered Pr. Eng, Pr. Tech Eng, Pr. Cert Eng, Pr Techni Eng, (or ECSA recognised equivalent).
2. **Design/test/commissioning/professional sign-off** of SSEG installations > 12 kW single or three phase up to 200 kW connected to the 380/230V side of the installation i.e. after the Eskom/municipal metering point (grid connected or non-grid connected) - ECSA registered Pr. Eng, Pr. Tech Eng, Pr. Cert Eng, (or ECSA recognised equivalent).

3. **Design/Test/commissioning/professional sign-off** of SSEG installations up to 250 kW connected to an Eskom/municipal distribution system - ECSA registered Pr. Eng, Pr. Tech Eng, Pr. Cert Eng (or ECSA recognised equivalent).
4. **Design/test/commissioning/professional sign-off** of SSEG installations >250kW (irrespective of point of connection) - ECSA registered Pr. Eng or Pr. Tech Eng, (or ECSA recognised equivalent)

Note:

- a) Additionally, compliance to SANS/SABS/NRS/NERSA and relevant Acts and By-laws shall still be applicable.
- b) In terms of compliance to the law, the Electricity Regulation Act 4 of 2006 (ERA), associated Regulations, the South African Grid Codes and the Occupational Health and Safety Act 85 of 1993 (OHSA) as amended are core legislations. In terms of the Electrical Installation Regulations (2009), for every installation, SSEG Systems shall require an Electrical Certificate of Compliance ("**COC**") and test report issued by a suitably qualified electrical contractor/ service provider. **This requirement including the accompanying COC certification is in addition to the professional sign off by the said ECSA registered / recognised equivalent persons for the various installations.**
- c) An Electrical COC is a legal document that certifies a property's electrical installations meet the required safety standards in South Africa. It is mandatory when selling, renting, or making significant changes to a property inclusive of SSEG installations on the property.
- d) Eskom and/or Municipalities can also opt to come up with alternative requirements or arrangements to suit their own specific needs and circumstances. Although this is not encouraged, such alternative requirements or arrangements must be aligned to the minimum aforementioned requirements including the professional sign off, confirming compliance of the said electricity generation system, and/or facility's minimum design and safety requirements by a relevant ECSA duly registered / recognised equivalent person as applicable.

Kind regards

Vally PADAYACHEE
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GCC; EDP(Wits); FInstD; FIRMSA
Chairman, The Management Committee,
The NRS Association of South Africa