

Requirements for Submitting Meters for STS Evaluation

1. Invoicing and Payments

The VdW&Co will facilitate and process all invoicing requirements and applicable payments due on behalf of the Testing Centre. Payment must be received before testing can commence. **Please request a quotation and invoice using the online form in the services section of the STS website. You need to log in to have access to these services.**

2. General

The Compliance Test Specification (CTS) has three sections with different requirements:

Entity Type D

Entity Type E

Entity Type F

In total, a supplier will need to send in **7 samples** per submitted product. Each Entity type has different requirements in terms of the number of samples required, the labelling of samples as well as how the samples should be initialised. Suppliers must go through the CTS documents available carefully before submitting meters for testing. The documents are downloadable from the STS Website - www.sts.org.za. Always check for the latest edition of the documents.

Please see the section entitled “Equipment to be submitted” in the front of the specifications to see how the samples should be submitted.

Entity types and related documents

Entity Type	Product type	CTS test document	Description
D	Meter (all utilities)	STS531-4	Meter - TCT=01 or TCT=02
E	Meter (all utilities)	STS531-5-0	Meter - TCT=01 or TCT=02
F	Meter (all utilities)	STS531-6-1-07 STS531-6-1-11	Meter using EA07 Meter using EA11

Sample setup example - kWh meters supporting EA07 and TCT=02

Entity type	Meter labeled	Key (DITK)	Credit loaded in the meter sample	Document	TID Value in meter
D	D - UUT02	FFFFFFFFFFFFFFFF	Full credit that the meter supports	STS531-4	5A45A1
E	E - UUT01	FFFFFFFFFFFFFFFF	Zero credit	STS531-5-0	5A45A1
E	E - UUT02	FFFFFFFFFFFFFFFF	Zero credit	STS531-5-0	5A45A1
E	E - UUT03	FFFFFFFFFFFFFFFF	Zero credit	STS531-5-0	5A45A1
F	F - UUT01	1111111111111111	Zero credit	STS531-6-1-07	5A45A1
F	F - UUT02	1111111111111111	Zero credit	STS531-6-1-07	5A45A1
F	F - UUT03	1111111111111111	Zero credit	STS531-6-1-07	5A45A1

3. Required information to be submitted

Annexures (A and A1) at the end of the test documents must be completed by the manufacturer and sent to the test house.

4. Delivery of Meters to the Test Centre

If you will be sending your meters to the test centre using a Courier Company, the meters must be sent to one of following addresses:

Please note that there are 2 testing houses to choose from as listed below.

Physical Address

**Mr ME Makwarela
Eskom Convention Centre
Hendrina House - House No. 2
Dale Road
Midrand
1685
Republic of South Africa**

**Mr Franco Pucci
STSA Technical Consultant
32 Mountainrise Road
Carrington Heights
Durban, KZN
4075
Republic of South Africa**

Contact Details

Tel: +2711 690 4065
Fax: +2786 667 7358
e-mail: edison.makwarela@eskom.co.za

Contact Details

Tel: +2731 261 2684
Cell: +2772 319 8313
email: franco.p@mweb.co.za

For each product, the supplier must send a Manual in English so that the operator can understand how the meter works. Suppliers are advised to e-mail the manuals to the operator. Suppliers must make sure that the files that they are sending to the operator do not exceed 2MB at any given time. It is therefore advisable that if the manuals are too big, the manuals must be split into different files that will be sent separately.

If we have to send meters back to the supplier for any reason (e.g. fixing of bugs), the supplier will have to arrange with his/her own Courier Company to come and collect the meters from the test centre.

Please state if the meter samples will be collected by your courier after testing, or if the meter samples must be destroyed.

5. Test Duration

The test centre will try by all means to have all submitted meters evaluated within **one month** of receiving the meters. If this target cannot be achieved for reasons beyond our control, the affected suppliers will be informed accordingly.

Notes:

- ***All meters must be labelled and initialised accordingly!***
- ***All suppliers must familiarised themselves with CTS documents and test the meters to these documents before submitting meters for STS Evaluation!***
- ***All meters must resemble full production units regarding meter markings (name/company/model no etc)***