

CLARIFICATION QUESTIONS FOR **E1780DXN** EXPRESION OF INTREST SUBMISSION OF SMART METERS SAMPLE FOR THE PURPOSE OF LISTING ON THE ESKOM TECHNICALLY EVALUATED AND ACCEPTED PRODUCT (TEAP) DATABASE – **03 SEPTEMBER 2025**

NO	QUESTION	RESPONSE
1.	In relation to the test cases, is there a minimum percentage of compliance that Eskom is looking for as seen in the previous TEAP(70/80%)?	The EOI is for the purpose of listing products on TEAP database (technically oriented approach). As such suppliers should implement all use cases; 100% compliance is required as supplier are offered the opportunity to develop their products.
2.	<p>In the technical requirements it is stated : All samples NOT configured according to Table 1 and 2 above shall be disqualified from further testing. However we also noted that while this was referred to in point 6, as we move onto section 2. Security keys for testing for DLMS Security Suite 0 it refers to LLS and HLS security requirements.</p> <p>a. Can we please get clarity that Eskom will accept HLS security as the only option?</p> <p>b. Can we please get clarity that we can also provide our own Security keys that we generate on production? This is the Global and Mater Keys.</p>	<p>The alarms and events are specified in NRS049</p> <p>This could pose a challenge as you will also have to provide passwords. The recommendation is to configure the samples as specified so that it is easier for our team to test samples</p>
3.	In TC10, can you please clarify which events and alarms Eskom are looking for?	The alarms and events are specified in NRS049
4.	In TC11, can you please clarify what information is required to be seen on the CIU and what is Eskom looking to see.	As per NRS049 and the Eskom specification
5.	In relations to Phase II, should a supplier not meet all the requirements or minimum scoring related to my question 1, will there also be a development path that will be offered to complete any outstanding tasks. If there is a Development phase, then how long will this phase be?	Suppliers will be allowed to resubmit their products after they have upgraded their firmware if they were not successful during the first round.

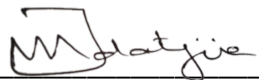
6.	Follow up to Question 5. Our partnership with the mine is to enable them to expand – and we would add extra capacity in the existing processing plant and fund it (assuming we successful). The extra processing capacity is aimed at helping the mine increase their operations and we are investing in the processing capacity. Would this meet the definition of a value added supply?	As per my earlier response, a company will be considered only if they are the Mining Rights Holder or if they will perform the activities of a value adder (as described before) during the tenure of the contract.
7.	Which PLC type will Eskom prefer to use? G3-PLC or BB-PLC?	We are using G3-PLC now but preparing to move to BB-PLC soon
8.	Could you please get these standards and send to us? a. Beside the part 2, the other parts of NRS049(There are 5 parts all). b. IEC TS 62056-9-1: 2016;	The relevant part for this enquiry (EOI) is NRS049:2024 Part 2. Part 5 is no longer applicable as IDIS Package 2 with prepayment objects or IDIS Package 3 has been adopted.
9.	As per 240 -126910106, 6.1-a What's the details of the 'additional ports'? Is the RS485 accepted?	No. Please note you are referencing a draft specification that is not finalised and is subject to changes when the final draft is published.
10.	As per 240 -126910106, 6.2-a What's the details demand of the 'SUPPORT GNSS'? Do you have any suggestions for implementation?	Any well-known GPS is also allowed. Please note you are referencing a draft specification that is not finalised and is subject to changes when the final draft is published.
11.	As per NRS049-2, A.4 Charges, the process is too complicated, there are FlatTariffRate charge(A.4.4), BlockTariffRatecharge(A.4.5), TimeOfUseTariffRate charge(A.4.6), MaximumDemandRate charge(A.4.7), FixedRate charge(A.4.8). It will be helpful to explain how these charges configured and operated? An example should be best to clarify this question.	Please refer to the Eskom tariff book. The Eskom tariff book is available on the Eskom website free of charge and the details are in the tariff book.
12.	Does TOU and BLOCK tariff structures be operated separately or in combination ?	TOU and BLOCK tariff cannot run at the same time on one meter. They will be operated separately
13.	As per NRS049-2, A.5.3 CreditExportEnergyLocal, what's the meaning of "Customer active energy exported to the network is credited to the meter account"? Does it mean that the meter account will be increase in this scenario?	These refers to where a customer feeds back power from roof top PV as an example to the Eskom network. Basically, the requirement is that the meter should be capable of handling net metering and net billing
14.	As per "Requirements for testing samples outside the Eskom Official Commercial Process", in Table 3 the reference cannot be found in the Eskom 240-126910106. We need to make sure that the two files "Requirements for testingsamples outside the Eskom Official Commercial Process" and "Eskom 240-126910106" version right.	The EOI issued does not make reference to the document in question. Please refer to E1780DXN that is currently active on the Eskom tender bulleting.

15.	As per “Requirements for testing samples outside the Eskom Official Commercial Process”, clause 3, “Each smart meter sample’s communication interface is connected to a common DLMS Client” We would like to know what is this common DLMS Client ?	The EOI issued does not make reference to the document in question. Please refer to E1780DXN that is currently active on the Eskom tender bulletin.
16.	As per “Requirements for testing samples outside the Eskom Official Commercial Process”, clause 3, “The simulated system then generates a sequence of DLMS messages that invoke the smart meter’s functionality that supports Eskom test cases specified in Table 5 below .” We would like to know what is this table 5 refer to?	The EOI issued does not make reference to the document in question. Please refer to E1780DXN that is currently active on the Eskom tender bulletin.
17.	As per “Requirements for testing samples outside the Eskom Official Commercial Process”, clause 3, “During the development phase, the supplier will be required to demonstrated functionality of the use cases in Table 7 using his own HES before the resubmitting the products for final testing with the DMLS test suit. This test, specified in 4 (g) above shall be conducted by the supplier with the Eskom team witnessing the test.” We would like to know what is this table 7 and 4(g) refer to?	Please refer to E1780DXN that is currently active on the Eskom tender bulletin.
18.	For Test case TC01, meter registration, we need IDIS3 document urgently. Does “automatic meter registration” has a specific process?	Please implement this as per the IDIS standard/specification
19.	For Test case TC02, remote tariff programming, Load Eskom approved tariff (e.g., Homeflex) into meter, and set energy rate (Rand/kWh) in prepayment charge tables according to tariff. Please give an example. And Can you give us Eskom approved tariff (e.g., Homeflex)? We want to know the details of tariff running. After read Homeflex, we will know it well.	Homeflex is the Eskom TOU tariff. The Eskom tariff book is available on the Eskom website free of charge and the details are in the tariff book.
20.	For Test case TC200, what’s the detail about the “data concentrator web interface”? Is it a software we need provide?	Data concentrator web interface should be in your own Data Concentrator. If it is not there, how is your DC interfacing with your Head end System?
21.	Besides event code, for all the test case, the OBIS code of meter should according to the defined in NRS049 or the defined in IDIS 3, what should we do in this case?	The standard OBIS codes are in IDIS 2 and IDIS 3. Please ignore OBIS codes in NRS049 as they are no longer in use.
22.	We need make sure how many items pass will make Eskom happy,	Yes, for GSM, LTE and 5G Modems

- a) Pass the “Requirements for testing samples outside the Eskom Official Commercial Process”;
- b) Get the DLMS UA certificate (for Eskom approved firmware Version)
- c) Get the G3-PLC Certificate (for meters with G3-PLC modems only)
- d) Get the STS Certificate or object and energy (for Eskom approved firmware version)
- e) Get the IDIS 3 certificate or object model listing (for Eskom approved firmware version)
- f) Get the type test reports (SANS/IEC 62055-31 or SANS1524-1 and SANS/IEC 62053-23 or SANS/IEC 62053-24)
- g) ICASA Radio Equipment Type Approval Certificate (for Cellular Network Mode), do we applicable?
- h) Is above items all?

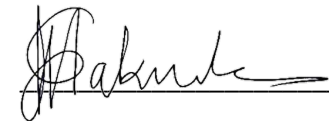
Product Certificate	Single phase meter	Single phase Din rail meter	Three phase meter (DC)	CIU	DCU	HES
Eskom Official Commercial Process test	✓	✓	✓	✓	✓	✓
DLMS UA certificate	✓	✓	✓			
G3-PLC Certificate	✓	✓	✓			
STS Certificate	✓	✓	✓			
IDIS certificate	✓	✓	✓		✓	
Type test	✓	✓	✓			

The bottom line is that you must meet the requirements stipulated in the Eskom specification.



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