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 – **26 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.	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. a. Can we please get clarity that Eskom will accept HLS security as the only option? 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.	For the purpose of testing, LLS is used 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
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	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.

	operations and we are investing in the processing capacity. Would this meet the definition of a value added supply?	
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 and4(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 setenergy 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 thedefined 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, 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)	Yes, for GSM, LTE and 5G Modems The bottom line is that you must meet the requirements stipulated in the Eskom specification.

<table>
<tr><td></td><td>g) ICASA Radio Equipment Type Approval Certificate (for Cellular Network Mode), do we applicable?
h) Is above items all?<table><tr><th>Product / Certificate</th><th>Single phase meter</th><th>Single phase Din rail meter</th><th>Three phase meter (DC)</th><th>CIU</th><th>DCU</th><th>HES</th></tr><tr><td>Eskom Official Commercial Process test</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td><td>√</td></tr><tr><td>DLMS UA certificate</td><td>√</td><td>√</td><td>√</td><td></td><td></td><td></td></tr><tr><td>G3-PLC Certificate</td><td>√</td><td>√</td><td>√</td><td></td><td></td><td></td></tr><tr><td>STS Certificate</td><td>√</td><td>√</td><td>√</td><td></td><td></td><td></td></tr><tr><td>IDIS certificate</td><td>√</td><td>√</td><td>√</td><td></td><td>√</td><td></td></tr><tr><td>Type test</td><td>√</td><td>√</td><td>√</td><td></td><td></td><td></td></tr></table></td><td></td></tr>
<tr><td>23.</td><td>For meters that have previously undergone testing, passed the technical evaluation, and are currently listed on the TEAP list, is it necessary or permissible to resubmit these meters for testing and technical evaluation? Or does inclusion on the TEAP list preclude the need for resubmission?</td><td>There is no need for suppliers who are currently listed to resubmit.</td></tr>
<tr><td>24.</td><td>If resubmission is allowed, can the same meter model be submitted for evaluation by a different supplier?</td><td>The TEAP database only lists OEMs. The submission of an already listed model is not allowed as it does not add value to the current process</td></tr>
<tr><td>25.</td><td>Please could you provide clarity on the documents/certifications required for EOI Number E1780DXN.</td><td>The requirements and certificates required are on the EOI document. Please go through the entire document.</td></tr>
<tr><td>26.</td><td>Should these documents be uploaded on the portal?</td><td>These are to be submitted with the samples</td></tr>
<tr><td>27.</td><td>If to be submitted with samples, do you require a hard copy or soft copy or both.</td><td>Both soft copies and hardcopies are acceptable.</td></tr>
<tr><td>28.</td><td>I would like to find out what are the criteria for a company to express their interest for the smart meter evaluation. What qualifies a company to express their Interest.</td><td>Any company with meters that comply with the requirements stipulated in the EON is free to submit samples for evaluation.</td></tr>
<tr><td>29.</td><td>I would like to find out if there is additional paperwork required for submission for a company to attach with the Expression of Interest other than that stipulated on the document.</td><td>The requirements and certificates required are on the EOI document. Please go through the entire document.</td></tr>
<tr><td>30.</td><td>Since our electricity smart meters have been listed in the TEAP database, should we also participate in this EOI?</td><td>No, you should not participate.</td></tr>
</table>

31.	In this EOI, G3-PLC is specified to use the FCC frequency, while in the TEAP tender MWP24773DX, the frequency requirement was not specified. Under this circumstance, should we participate in this EOI and resubmit samples?	No, you should not participate
32.	Regarding the BBPLC solution, should we submit samples under this EOI, or will Eskom request them separately under TEAP MWP24773DX when required?	The request for BB-PLC will be separate from the current EOI
33.	Following question 32, if sample submission is required under this EOI, should we submit directly under Clou's name, or via our local partner company?	If you are following the approach mentioned in (32) above, I suppose the local partner will be appropriate.
34.	I would like to find out If need to present an ICASA certificate per smart meter or it will be one collective certificate.	It's a collective certificate
35.	I'm hereby requesting the extension of the closing date for the above mentioned Expression of Interest (EOI). The approval of extention will allow us as respondent to have reasonable time to prepare and submit adequete response that is purely alligned with this (EOI).	Extension Granted Closing Date has been changed to 24 October 2025
36.	We respectfully request an extension of time for the submission of the EOI. The requested extension is necessary to ensure that the proposed smart meters can be fully programmed and manufactured strictly in line with Eskom's technical specifications. In addition, additional time is required to finalize shipment arrangements to guarantee that all units meet the required quality standards and delivery timelines. Granting this extension will allow us, and other prospective suppliers, to provide a more accurate and comprehensive response that fully meets Eskom's expectations regarding quality, compliance, and long-term operational reliability. We therefore request Eskom's consideration to grant an extension of **three (3) weeks** to allow completion of this process.	Extension Granted Closing Date has been changed to 24 October 2025
37.	On Page 6 on the bid document Where a data concentrator/gateway sample is submitted, the following information shall be declared: • 3-PLC PSK or BBPLC authentication / encryption keys • G3-PLC/BBPLC MAC address (could be IP address for BBPLC • G3-PLC frequency (FCC)	

	• Data Concentrator/gateway web interface log in credentials (at least with administrator account) a. From the documents, it seems that we can only use G3PLC or BBPLC, but based on the test, there is no way to test BBPLC, so we want to confirm again that we can submit the sample with BBPLC communication. b. G3-PLC or BBPLC Certificate (for meters with G3-PLC/BBPLC modems only)//BBPLC certificate is not popular now, in case we submit BBPLC, can it come without a certificate	Where BB-PLC meters are submitted, only the functionality of the meters will be tested. It is not possible o test the compatibility and interoperability of BB-PLC meters with other devices. BB-PLC meters will only be limited once the certificate issue is resolved. We are not aware of any test body for BB-PLC meters at this stage
38.	How should emergency credit passive be activated, as it does not have a _activation_time attribute?	The passive emergency credit is used to write new attribute values only for the active emergency credit (same concept as passive/active account functionality). The newly written attribute values are copied from passive emergency credit to active emergency credit when the passive account is 'activated'.
39.	If Emergency credit is specified, should it come in use automatically when the token credit reaches 0?	No, the customer should accept or reject the emergency credit. Read the Blue Book in this regard.
40.	As the Consumption charge (import and export) do not have a passive version, is it correct that only the unit_charge_passive structure is copied to the unit_charge_active when unit_charge_activation_time elapses?	Yes
41.	For standing charge, should only the period attribute be used to schedule recurring charges, if not, can we define own single action schedule when period is 0	As long your proprietary implementation does interfere with the primary function of the period attribute.
42.	Is there an example of the contents for these loggers: Token transfer log, Token credit history, Charge collection history?	000: 7E A0 1A 02 21 03 10 DD : D5 E6 E6 00 C0 01 C7 00 : 07 00 00 63 0E 00 FF 03 : 00 B8 8E 7E ~...!.....c.....~ Layer:HDLC Framelength: 13 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 0 N(S) = 0 P/F = P HCS = DDD5 FCS = B88E Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF

		AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetRequest(1) GetRequest_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x07 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) CosemAttributeDescriptor(3): {7, 0-0:99.14.0.255, 3} ==>Charge collection history - capture_objects CosemClassId: 0x07 (Unsigned16) CosemObjectInstanceId(6): 00 00 63 0E 00 FF (OctetString) CosemObjectAttributeId: 0x03 (Integer8) 14:44:30.534 :GetResponseNormal received 14:44:30.563 :Rcv (1) at: 14:44:30.338 (191) 0000: 7E A0 37 03 02 21 30 5D : 08 E6 E7 00 C4 01 C7 00 : 01 02 02 04 12 00 71 09 : 06 00 00 13 14 01 FF 0F ~.7..!0].....q..... 0020: 0A 12 00 00 02 04 12 00 : 71 09 06 00 00 13 14 01 : FF 0F 0B 12 00 00 92 81 : 7E .....q.....~ Layer:HDLC Framelength: 42 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 1 N(S) = 0 P/F = P HCS = 5D08 FCS = 9281 Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetResponse(1) GetResponse_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x07 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) GetDataResult(1)

		Data(1) Data_Array(2) Data_Structure(4) Data_LongUnsigned: 0x71 (Unsigned16) Data_OctetString(6): 00 00 13 14 01 FF (OctetString) Data_Integer: 0x0A (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Data_Structure(4) Data_LongUnsigned: 0x71 (Unsigned16) Data_OctetString(6): 00 00 13 14 01 FF (OctetString) Data_Integer: 0x0B (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Step:GetRequest1 14:44:30.626 :Send GetRequest, OBISCode 0-0:99.15.0.255, classID 7, attributeID 3 14:44:30.626 :CreateMessage, ciphering= Unciphered 14:44:30.626 :Snd (2) at: 14:44:30.626 (29) 0000: 7E A0 1A 02 21 03 32 CD : D7 E6 E6 00 C0 01 C8 00 : 07 00 00 63 0F 00 FF 03 : 00 B0 99 7E ~...!.2.....c.....~ Layer:HDLC Framelength: 13 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 1 N(S) = 1 P/F = P HCS = CDD7 FCS = B099 Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetRequest(1) GetRequest_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x08 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) CosemAttributeDescriptor(3): {7, 0-0:99.15.0.255, 3} ==> Token credit history - capture_objects

		CosemClassId: 0x07 (Unsigned16) CosemObjectInstanceId(6): 00 00 63 0F 00 FF (OctetString) CosemObjectAttributeId: 0x03 (Integer8) 14:44:30.784 :GetResponseNormal received 14:44:30.815 :Rcv (3) at: 14:44:30.720 (62) 0000: 7E A0 37 03 02 21 52 49 : 48 E6 E7 00 C4 01 C8 00 : 01 02 02 04 12 00 08 09 : 06 00 00 01 00 00 FF 0F ~.7..!RIH..... 0020: 02 12 00 00 02 04 12 00 : 70 09 06 00 00 13 0A 00 : FF 0F 02 12 00 00 04 C8 : 7E .....p.....~ Layer:HDLC Framelength: 42 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 2 N(S) = 1 P/F = P HCS = 4948 FCS = 04C8 Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetResponse(1) GetResponse_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x08 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) GetDataResult(1) Data(1) Data_Array(2) Data_Structure(4) Data_LongUnsigned: 0x08 (Unsigned16) Data_OctetString(6): 00 00 01 00 00 FF (OctetString) Data_Integer: 0x02 (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Data_Structure(4) Data_LongUnsigned: 0x70 (Unsigned16) Data_OctetString(6): 00 00 13 0A 00 FF (OctetString) Data_Integer: 0x02 (Integer8)

		Data_LongUnsigned: 0x00 (Unsigned16) Step:GetRequest2 14:44:30.878 :Send GetRequest, OBISCode 0-0:99.17.0.255, classID 7, attributeID 3 14:44:30.878 :CreateMessage, ciphering= Unciphered 14:44:30.942 :Snd (4) at: 14:44:30.878 (29) 0000: 7E A0 1A 02 21 03 54 FD : D1 E6 E6 00 C0 01 C9 00 : 07 00 00 63 11 00 FF 03 : 00 D9 19 7E ~...!.T.....c.....~ Layer:HDLC Framelength: 13 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 2 N(S) = 2 P/F = P HCS = FDD1 FCS = D919 Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetRequest(1) GetRequest_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x09 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) CosemAttributeDescriptor(3): {7, 0-0:99.17.0.255, 3} ==> Token transfer log - capture_objects CosemClassId: 0x07 (Unsigned16) CosemObjectInstanceId(6): 00 00 63 11 00 FF (OctetString) CosemObjectAttributeId: 0x03 (Integer8) 14:44:31.117 :GetResponseNormal received 14:44:31.141 :Rcv (5) at: 14:44:30.973 (128) 0000: 7E A0 6D 03 02 21 74 B7 : 35 E6 E7 00 C4 01 C9 00 : 01 05 02 04 12 00 73 09 : 06 00 00 13 28 00 FF 0F ~.m..!t.5.....s.....(... 0020: 02 12 00 00 02 04 12 00 : 73 09 06 00 00 13 28 00 : FF 0F 03 12 00 00 02 04 : 12 00 73 09 06 00 00 13 ....s.....(.....s.....

		0040: 28 00 FF 0F 04 12 00 00 : 02 04 12 00 73 09 06 00 : 00 13 28 00 FF 0F 05 12 : 00 00 02 04 12 00 73 09 (.....s.....(.....s. 0060: 06 00 00 13 28 00 FF 0F : 06 12 00 00 DD 33 7E ....(.....3~ Layer:HDLC Framelength: 96 Segment: False Client address: 1 Server address (2 bytes): Upper = 1, Lower = 16 Control field: Frame type = IFrame N(R) = 3 N(S) = 2 P/F = P HCS = B735 FCS = DD33 Layer:DLMS MasterKey:00112233445566778899AABBCCDDEEFF EncryptionKeyGlobal:00112233445566778899AABBCCDDEEFF AuthenticationKey:00112233445566778899AABBCCDDEEFF SystemTitleClient: CosemPdu (1) GetResponse(1) GetResponse_Normal(2) InvokeIdAndPriority(5) InvokeIdAndPriority_InvokeID: 0x09 (Unsigned8) InvokeIdAndPriority_ServiceClass: Confirmed (Boolean) InvokeIdAndPriority_Priority: High (Boolean) GetDataResult(1) Data(1) Data_Array(5) Data_Structure(4) Data_LongUnsigned: 0x73 (Unsigned16) Data_OctetString(6): 00 00 13 28 00 FF (OctetString) Data_Integer: 0x02 (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Data_Structure(4) Data_LongUnsigned: 0x73 (Unsigned16) Data_OctetString(6): 00 00 13 28 00 FF (OctetString) Data_Integer: 0x03 (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Data_Structure(4) Data_LongUnsigned: 0x73 (Unsigned16) Data_OctetString(6): 00 00 13 28 00 FF (OctetString) Data_Integer: 0x04 (Integer8) Data_LongUnsigned: 0x00 (Unsigned16) Data_Structure(4)

<table>
<tr><td></td><td></td><td>Data_LongUnsigned: 0x73 (Unsigned16)
Data_OctetString(6): 00 00 13 28 00 FF (OctetString)
Data_Integer: 0x05 (Integer8)
Data_LongUnsigned: 0x00 (Unsigned16)
Data_Structure(4)
Data_LongUnsigned: 0x73 (Unsigned16)
Data_OctetString(6): 00 00 13 28 00 FF (OctetString)
Data_Integer: 0x06 (Integer8)
Data_LongUnsigned: 0x00 (Unsigned16)</td></tr>
<tr><td>43.</td><td>For clear tamper tokens together with emergency credit, should the token still only clear the token credit to 0 (meaning breaker might not disconnect if emergency credit is still available)?</td><td>Yes, clear credit token is for token credit only.</td></tr>
<tr><td>44.</td><td>Is there a use to send more than one token in the token gateway enter method()?</td><td>Read STS 101-2 on how multiple tokens should be handled. The primary use case is the transfer of key change tokens.</td></tr>
<tr><td>45.</td><td>Our meters are designed according to NRS-049 requirements, and for STS parameters selected algorithm EA11 (128b key), so this requirement is impossible to meet since it is outside the NRS-049 guidelines because of the EA07 (64b key) required algorithm.
• The meters to be supplied are listed in Table 2 below.
Table 2: STS parameters
<table><tr><td>DUK1</td><td>ABABABABABABABAB</td></tr><tr><td>Algorithm Type</td><td>EA07</td></tr><tr><td></td><td></td></tr><tr><td>Tariff Index (TI)</td><td>01</td></tr><tr><td>Key Revision no.</td><td>1</td></tr><tr><td>Meter no.</td><td>Defined by smart meter manufacturer.</td></tr><tr><td>Current Limit</td><td>20 A or 60 A (for single phase meters)
80 A (for polyphase meters)</td></tr></table></td><td>At this stage, Eskom can only accept EA07 as it is compatible with the current vending system.</td></tr>
<tr><td>46.</td><td>Another obstruction is this requirement:
2. Security keys for testing for DLMS Security Suite 0
<table><tr><th>Security parameter</th><th>Default value (hex)</th></tr><tr><td>LLS default password</td><td>12345678</td></tr><tr><td>Global Authentication key</td><td>0xD0 D1 D2 D3 D4 D5 D6 D7 D8 D9 DA DB DC DD DE DF</td></tr><tr><td>Global Broadcast key</td><td>0x0F 0E 0D 0C 0B 0A 09 08 07 06 05 04 03 02 01 00</td></tr><tr><td>Global Encryption key</td><td>0x00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F</td></tr><tr><td>Master key</td><td>0X00 11 22 33 44 55 66 77 88 99 AA BB CC DD EE FF</td></tr></table>NRS-049 talks about Security Suite 1, so we cannot set these keys in the meter.</td><td>Security Suite 1 is accepted as it will have elements of Suite 0 provided the LLS password is configured on the samples.</td></tr>
</table>

<table>
<tr><td>47.</td><td>These requirements are related with using of this equipment:
<table><tr><td>Eskom</td><td>Expression of Interest (EOI)</td><td>Document Identifier</td><td>240-72663051</td><td>Rev</td><td>1</td></tr><tr><td></td><td></td><td>Effective Date</td><td colspan="3">October 2022</td></tr><tr><td></td><td></td><td>Review Date</td><td colspan="3">October 2027</td></tr><tr><td></td><td></td><td>EOI Number</td><td colspan="3">E1780DXN</td></tr></table>
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 3 below.
This enables the evaluation team to determine the smart meter's compliance to the Eskom's smart meter specification at use case level and, at communication protocol level.
The DNV GV Test Facility is used as the common DLMS Client (or simulated Head End System), informative reference [1].</td><td>The tools can be found from: https://www.dnv.com/services/dlms-test-facilities-63360/</td></tr>
<tr><td>48.</td><td>Unfortunately we did not find this informative reference in the document. It would be great if they would share a description of this test facility. Perhaps it is software. If you could share this software, we would be able to check the meter's compliance to the requirements. Alternatively we can send samples with algorithm EA11 (128b key) for STS and Security Suite 1 for DLMS. Let me know if can accommodate our request.</td><td>EA11 samples will not be accepted at this stage.</td></tr>
<tr><td>49.</td><td>We are in the process of preparing our Expression of interest and would like to enquire where can we obtain the Annex D certificate and reports required for submission. Could you please guide us on the correct institutions or processes to get them?</td><td><table><tr><td>DLMS UA certificate (for Eskom approved firmware version)</td><td>DLMS User Association</td></tr><tr><td>G3-PLC or BBPLC certificate (for meters with G3-PLC/BBPLC modems only)</td><td>G3- PLC Alliance</td></tr><tr><td>STS certificate for currency and energy (for Eskom approved firmware version)</td><td>STS Association</td></tr><tr><td>IDIS 2 certificate or object model listing (for Eskom approved firmware version)</td><td>DLMS User Association</td></tr><tr><td>Type test reports (SANS/IEC62055-31 or SANS1524-1 and SANS/IEC 62053-23 or SANS/IEC62053-24)</td><td>NMI, KEMA, etc.</td></tr><tr><td>ICASA Radio Equipment Type Approval Certificate (for Cellular Network modem)</td><td>ICASA</td></tr></table></td></tr>
<tr><td>50.</td><td>Can a company submit a sample from the OEM that is already approved and are part of the TEAP?</td><td>No</td></tr>
<tr><td>51.</td><td>Does the OEM allowed to support more than one company in this Expression Of Interest (EOI)?</td><td>It is not necessary as only OEMs are listed on TEAP</td></tr>
<tr><td>52.</td><td>As an original equipment manufacturer (OEM), our business model is to work through a network of local distributor partners when submitting tenders.

Our understanding is that we may submit this expression of interest directly. Once our products are listed on Eskom Distribution's TEAP database, our distributor partners would then be able to submit bids using our products when Eskom issues tenders.

Could you kindly confirm whether this understanding is correct?</td><td>This is correct, you may submit directly.</td></tr>
</table>

53.	I would like to enquire whether our company is permitted to submit smart meter samples from the approved TEAP OEM.	It is not necessary if the “Smart Meter from that OEM” has already been TEAP listed.
54.	Additionally, we would like to kindly request an extension for the sample submission deadline.	A 3 week extension has already been granted. The original closing date was 03 October 2026 which has now been extended to 24 October 2025. Eskom plans to run an RFP process and if further extensions are granted then it would mean the RFP will run concurrently with the EOI
55.	How long will the testing process take for us to receive feedback from Eskom on the testing outcomes, considering that so many people have shown interest in the EoI.	It depends on the number of suppliers already in the queue. Current, the plan is give supplier feedback within two weeks.
56.	With this in mind we would also like to formally request a further extension of at least 2 more weeks, this will allow us to have sufficient time to make sure that all the test are completed and should there be a need for any changed it will allow any of the submissions made ample time to resubmit and for Eskom to have time to compete the tests.	Eskom has already extended the EOI and preparing to issue and RFQ for the same products. Extending the EOI will put us in a situation were the RFP and EOI will start running concurrently.

Thuso Malatjie

Procurement Practitioner

Edison Makwarela

Technical