

	Tender Questions and Answers	Document Identifier	559-222407715	Rev	1
		Effective Date	July 2024		
		Review Date	July 2027		

To whom it may concern	Date	<u>20 October 2025</u>
	Enquiries	<u>Providence Sedupane</u>
	E-mail address	<u>sedupap@ntcsa.co.za</u>

Dear Sir/Madam

Request for Enquiry Number	E1665NTCSAMWP
Description / Project Title	THE DEVELOPMENT, MANUFACTURING, TESTING, TRAINING, SUPPLY, DELIVERY, OFF-LOADING AND INSTALLATION/SITE ERECTION OF PHASE 6 PHASOR MEASUREMENT UNIT SCHEMES FOR USE IN NTCSA, ON AN “AS AND WHEN REQUIRED” BASIS OVER A PERIOD OF FIVE (5) YEARS WITH AN OPTION TO EXTEND WITH ANOTHER FIVE (5) YEARS.
Tender Questions Closing Date	10 working days before the deadline for tender submission. This includes the requests for extension for tender closing date.

Clause	Questions	Answers	Clarity Published Dates
3.5.1.3.2 PMU communication protocols: c) All transport layer protocols & methods stipulated in Annex F of IEEE Std C37.118.2-2011	Kindly clarify the configuration frame to be used if spontaneous UDP is used (i.e CFG-2 or CFG-3). For the CFG-3 based Data, please clarify the Data type for Global PMU ID. (i.e Integer or ACSII) as it is not specified in the C37.118.2-2011.	The PMU & sPDC is should support both CFG-2 & CFG-3 configuration frames for all protocols listed in Annex F of IEEE Std C37.118.2-2011.. Based on the application and capabilities in existing and future PMUs & sPDCs, the user will determine which configuration frame to use.	2025/10/20

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shall be available for both PMU and sPDC.		The Global PMU ID will not be used as default in CFG-3, however, in the future we would use the data type in “integer” format.	
3.5.1.4 Time synchronisation a) Time synchronisation and its distribution shall be provided by the latest version of IEEE 1588 or PTP and the IEEE Std C37.238-2017 profile implemented. All hardware shall be specified to enable PTP.	As per IEC/IEEE 60255.118-2018 both PTP profiles as per IEEE C37.238 and IEC61850-9-3 are permitted for Time synchronization with 1um accuracy. Our IEDs are compliant to IEC61850-9-3 profile meeting the standard requirement for PMU. Please confirm the acceptance of the same.	As per Figure 1 of Specification for Phase 6 PMU for NTCSA, time synchronization will only be required within the local substation boundaries and its network. The Supplier is required to use PTP to time synchronise the PMU scheme equipment in their solution. The PTP profile is to be determined by the Supplier in order to optimize their proposed solution as long as it meets the standard timing requirements for PMUs as per IEC/IEEE 60255-118:2018.	2025/10/20
3.5.1.2.2 Analogue input channels Each channel must allow individual scaling in terms of magnitude (CT/VT ratio) and angle compensation to allow the channels to be applied as single-phase measurement on a per feeder basis for various EHV/HV substation configurations.	Kindly clarify what you mean by angle compensation.	The magnitude and angle compensation is required on all the output synchrophasors produced. This allows the synchrophasors to be modified in order to match the direct onsite measurements.	2025/10/20
	Bid Extension Request A portion of our scope is being sourced from a third-party supplier, and they have requested an additional two weeks to finalize their offer. Unfortunately, their component is critical to our	The RFP closing date was extended to 14 November 2025	2025/10/20

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	overall solution and essential for ensuring technical compliance with the tender specifications. As a result, we kindly request an extension of the bid submission deadline to 7 November 2025						
	I would like to clarify a few items on the BOQ for the above tender: 1. Could you please confirm what is meant and required for the following line items? <table><tr><td>Hire Engineer: Candidate ECSA</td></tr><tr><td>Hire Engineer: Professional Certified</td></tr><tr><td>Hire Project Manager</td></tr><tr><td>Hire Draughtsperson</td></tr></table>	Hire Engineer: Candidate ECSA	Hire Engineer: Professional Certified	Hire Project Manager	Hire Draughtsperson	The purpose of these line items is to allow for engineering hours from Supplier for possible future modifications to the final solution	2025/10/20
Hire Engineer: Candidate ECSA							
Hire Engineer: Professional Certified							
Hire Project Manager							
Hire Draughtsperson							
	Regarding the line-item Travel & Subsistence: Flights; Economy, how should we quote for this and which City does it refer to? Travel & Subsistence: Flights; Economy	• Training will be required at NTCSA facilities or at the Supplier's facilities. • The NTSCA training would be required at various locations across South Africa, all regions. • This line item is for the travelling required by the Suppliers lecturer to the various NTCSA facilities as required.	2025/10/20				

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		When quoting for flights please see list of Airports in South Africa. Knowing that NTCSA locations are throughout the country and training may be required anywhere, please use this list to all to price flights per Airport. And if its road travelling for the Trainer let it be per km. Major international and domestic airports Johannesburg O.R. Tambo International Airport (JNB) Cape Town International Airport (CPT) King Shaka International Airport (DUR) Port Elizabeth Airport (PLZ) East London Airport (ELS) George Airport (GRJ) Other notable commercial airports Bloemfontein Airport (BFN) Lanseria International Airport (HLA) Kimberley Airport (KIM) Nelspruit Airport (NLP)	
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		Margate Airport (MGH) Polokwane Airport (PTG) Richards Bay Airport (RCB)	
	Lastly, would it be possible to request an additional extension for this tender?	The RFP closing date was extended to 14 November 2025	

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