

Addendum – Revisions to 240-171000462: Technical Evaluation Criteria for Distribution Class Surge Arresters

This addendum reflects the following revisions to the Technical Evaluation Criteria for Distribution Class Surge Arresters (240-171000462).

Table 1: Addendum to requirements stated in 240-171000462: Technical Evaluation Criteria for Distribution Class Surge Arresters

Page No	Original Wording (Document 240-171000462)	Revised Wording / Addendum
9	Level 1 – Mandatory Criteria and Returnable: Item # 5 The type tests and special test are returned, per SAP number All tests as stated in section 4.2. of 240-56062768, per SAP number - Insulation withstand tests on the arrester housing - Insulation wet withstand test on insulated mounting bracket - Residual voltage test - Long duration current impulse withstand test - Operating duty tests - Power frequency voltage versus time characteristic - Short-circuit test - Internal partial discharge test - Water immersion test - Weather ageing and pollution performance test - Tests on ground lead disconnecter including: - Long duration current impulse withstand test - Operating duty test - Time versus current curve test - High lightning duty current impulse withstand test - Repetitive surge withstand ability test - Thermal pre-conditioning and water immersion test - Mechanical test(s)	Level 1 – Mandatory Criteria and Returnable: Item # 5 The type tests and special test are returned, per SAP number All tests as stated in section 4.2. of 240-56062768, per SAP number - Insulation withstand tests on the arrester housing - Insulation wet withstand test on insulated mounting bracket - Residual voltage test - Long duration current impulse withstand test - Operating duty tests - Power frequency voltage versus time characteristic - Short-circuit test - Internal partial discharge test - Water immersion test - Weather ageing and pollution performance test / profile assessment as per IEC 60815-3 - Tests on ground lead disconnecter including: - Long duration current impulse withstand test - Operating duty test - Time versus current curve test - High lightning duty current impulse withstand test - Repetitive surge withstand ability test - Thermal pre-conditioning and water immersion test - Mechanical test(s)
13	Level 2 – Functional Criteria and Returnable: Item # 35 Weather ageing and pollution performance test passed?	Level 2 – Functional Criteria and Returnable: Item # 35 Weather ageing and pollution performance test passed?

	Test report to demonstrate testing against the correct standard and passed (per SAP number) The following test reports are to be returned: 1. The 1000hr salt fog test as contemplated in IEC60099-4, clause 10.8.17 shall have been passed by the surge arresters under offer. 2. The 1000hr UV test as contemplated in IEC60099-4, clause 10.8.17 shall have been passed by the surge arresters under offer. 3. Pollution performance curves. 4. Material fingerprint. OR As per EI 240-170000774 a pre-existing KIPTS certificates will be accepted per SAP number. NOTE: If there are no pre-existing KIPTS tests for a specific item, an extrapolation of the pollution insulation test results (pollution curves) will be accepted provided that the product has the same profile as the item offered on the tender. The extrapolation will be accepted if it is supported by a registered testing authority. This will only be accepted on the discretion of Eskom's SME's	Test report to demonstrate testing against the correct standard and passed (per SAP number) The following test reports are to be returned: 1. The 1000hr salt fog test as contemplated in IEC60099-4, clause 10.8.17 shall have been passed by the surge arresters under offer. 2. The 1000hr UV test as contemplated in IEC60099-4, clause 10.8.17 shall have been passed by the surge arresters under offer. 3. One of the following tests: a. Pollution performance curve. b. Profile assessment as per IEC 60815-3. 4. Material fingerprint. 5. Confirmation of 'Hydrophobicity Transfer Material' (HTM) properties concerning the insulating material used (Returnable: letter of confirmation from the OEM) OR As per EI 240-170000774 a pre-existing KIPTS certificates will be accepted per SAP number. NOTE: If there are no pre-existing KIPTS tests for a specific item, an extrapolation of the pollution insulation test results (pollution curves) will be accepted provided that the product has the same profile as the item offered on the tender. The extrapolation will be accepted if it is supported by a registered testing authority. This will only be accepted on the discretion of Eskom's SME's.
20	The factory will be scored according to the criteria outlined in table 1. The total score is out of 270.	The factory will be scored according to the criteria outlined in table 1. The total score is out of 264.
25	Item #5: Testing Facility and Practices Total: 48	Item #5: Testing Facility and Practices Total: 42

End of Addendum

This addendum forms an integral part of the 240-171000462: Technical Evaluation Criteria for Distribution Class Surge Arresters and shall be read in conjunction with the original document and 240-56062768: Distribution Class Metal Oxide Surge Arresters Without Spark Gaps Specification.

Compiled by:



Mohammed Bux

**Snr. Engineer – Standards
Implementation (KZN OU)**

Date: 19/09/2025

Approved by:



Vuyani Masuku

**Chief Engineer – Technology
& Engineering**

Date: