Eskom	Standard	Technology

Title:	**Technical Evaluation Criteria for Insulation Piercing Connectors (IPCs)**	Unique Identifier:	**240-171000105**
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Compiled by	**Functional Responsibility**	**Authorised by**
……	……	……
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Date: 08/09/2025	Date: 08/09/2025	Date: 08/09/2025

CONTENTS

Page

1. Introduction

The document is the technical returnable for the insulation piercing connectors, the technical requirement is separated into stage one i.e. mandatory and stage two where the actual content is evaluated. The functional scoring is also presented and all documents to be completed by the tenderer and lastly the sample evaluation breakdown for the tenderer who passed stage 2 evaluation is also presented.

2. Scope

The document contains the technical requirements and returnables for tenderers of the low voltage insulation piercing connectors. The document contains the requirements for tender's i.e. Evaluation score breakdown as well as schedule A&B.

2.1.1 Purpose

The document elaborates on the technical requirements and returnables for tenderers of the following products:

Table 1: IPC Clamps

National Standard	SAP No.	Description	Eskom Drawing Number
SANS 50483-4	165496	CLAMP, IPC BIMET 35-95I/35-95I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 35-95 mm^2)	D-DT-3039
	165498	CLAMP,IPC BIMET 35-95B/6-25I D3039 (Bare to insulated)	
	165494	CLAMP,IPC BIMET 35-95I/6-25I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 6-25 mm^2)	
	175104	CLAMP, IPC BIMET 16-95I/1.5-10I D3039	
	578664	CONNECTOR,TEE:RUN 25MM2 TO 95MM2 AL/CU	
	578665	CONNECTOR,TEE:RUN 25MM2 TO 95MM2 AL/CU	
	165521	CLAMP,IPC BIMET 35-95B/35-95I D3039	

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

[1] ISO 9001 Quality Management Systems.

[2] Eskom Drawing No. D-DT-3039.

[3] Eskom Drawing No. D-DT-3058.

[4] 240-75883122, Fittings for Bare Neutral Aerial Bundled Conductor

[5] SANS 50483-4, Test requirements for low voltage aerial bundled cable accessories

2.2.2 Informative

Not applicable.

2.3 Definitions

Table 2.1: Definitions

Definition	Description
Approved by	The accountability of the Approver of the document is equivalent to the specified role of Functional Responsible/Owner as identified in 240-53114186 and 32-6 for Documents and Records Management.
Desktop Evaluation	An evaluation of the documentation included in the tender returnable.
Functionality	The capability and capacity of a tenderer to provide goods or services in accordance with specifications as set out in the enquiry documents. Tenders evaluated on functionality must be carried out in accordance with 32-1034.
Informal Tender	It is the Procurement mechanism that may be used for transactions not exceeding the Informal Tendering lower limit as set in the Eskom DOA Policy. These transactions must be executed by a Procurement Practitioner and approved by an accredited Procurement Practitioner
Mandatory Requirements	This are requirements that must be submitted by the tenderer, fail to provide any mandatory tender returnable as clearly specified in the tender enquiry, the tender submission will be deemed non-responsive.
Procurement	Procurement is the process which creates, manages and fulfils contracts relating to the provision of goods, services and engineering and construction works or disposals, or any combination thereof.
Schedule A	Minimum requirements stipulated by the purchaser i.e. Eskom
Schedule B	Offered by the manufacture in response to purchasers requirements
Tenderer	A manufacturer or supplier who wishes to bid on the listed tender.
Type test	It is defined as an element of conformity assessment, and also known as compliance testing, or type testing — is testing or other activities that determine whether a process, product, or service complies with the requirements of a specification, technical standard, contract, or regulation. They are done or when the raw material changes.

2.3.1 General

N/A

2.3.2 Disclosure classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law, or discretionary).

2.4 Abbreviations

Table 2.2: Abbreviations

Abbreviation	Description
Al	Aluminium
ILAC	International Laboratories Accreditation Cooperation
IARC	Industry Association Research Centre
Cu	Copper
DT	Distribution technology
ECSA	Engineering Council of South Africa
IPC	Insulation Piercing Connector
LV	Low Voltage
NRS	Compliance with NRS 047 Quality of Service
RFQ	Request for Quotation
SANS	South African national standards
SI	Standards Implementation

2.5 Roles and Responsibilities

Procurement Department:

- It is the responsibility of the procurement department to use the latest revision of this document before issuing it for a tender.
- Indicate the procured sap number on table 10 below through a tick.

Tenderer:

- It is the responsibility of the tenderer to familiarise themselves with this document and fully complete it as failure to do so may lead to their submission being disqualified.

3. Technical Tender Requirements

3.1 Technical Evaluation Strategy

The Technical Evaluation Team (as per 240-48929482) will evaluate the submissions. The submissions shall be subjected to a progressive series of evaluation levels. Passing of each stage is a prerequisite for proceeding to the next evaluation stage.

The evaluation stages are as follows:

- Stage 1 Mandatory Requirement
- Stage 2 Functional Scoring Criteria
- Stage 3 Sample Evaluation

3.2 Tender Requirements

These requirements will be used to measure the tenderers ability to supply Eskom with the IPC's that complies with this document and with the specific requirements as stated in Eskom's Standard, the tests may also comply with the International Standards. For this enquiry, stages 1 and 2 evaluations shall take place. The stage 1 evaluation is mandatory, fully compliance with stage 1 is required to be evaluated at stage 2 and for the tenderer requires **80%** to pass the evaluation. The last stage is for the sample evaluation which is stage 3 for tenderers who passed stage 2.

3.2.1 Stage 1: Mandatory Requirements

Table 3: Mandatory Requirements

Title	Requirement	None Compliance	Reference
Technical Schedules A&B	Technical schedules shall be filled, signed and submitted for tendered items or IPCs.	Failure to submit a completed and signed technical schedule.	Annex B
Deviation Schedule	The technical deviations sheet shall submitted and signed. Where there is no deviations it shall be indicated as such in the deviation schedule.	Failure to submit a completed and signed deviation schedule form.	Annex C
Drawing	Signed off drawing with labels, drawing number and the revision number.	Failure to submit the drawing which meets the requirements.	None
Type Test Report	Type test report submission. The type test Report shall be from accredited Test facility.	Failure to submit all listed test reports	Annex A

3.2.2 Stage 2: Functional Scoring Criteria

Only tenderers that passed stage 1 shall be evaluated at stage 2. The tenderer needs to obtain a **minimum weighted score of 80%** in order to pass this stage. The following weights shall apply:

Table 4: Functional Score Distribution

Description	Weight
Contents of the Technical Schedules A & B for items tendered	40%
Manufacturer user manual instruction	40%
Evaluation of Type Test Reports	20%

3.2.2.1 Functional Scoring Methodology

The following scoring methodology will be used to assess the tenderers submissions towards allocating scores for the functional criteria indicated in section 4.2.2.2 to 4.2.2.4.

Table 5: Functional Scoring Methodology

Submission Assessment	Score Allocation
Compliant	100%
Compliant with associated qualifications	80%
Non-Compliant	40%
Totally deficient or non-responsive	0%

3.2.2.2 Functional Scoring Criteria

Table 6: Technical Schedule Evaluation

Item	Description	Requirements	Score
1	**Product Information**		

1,1	·	**Purchasing details (240-75883122)**		
1.1.1		Manufacturer	Manufacturer name	1.25%
1.1.2		Manufacturer's Product Code	Specify Code	1.25%
1.1.3		Manufacturer's Drawing number & Revision number	Specify No and Rev	1.25%
1.1.4		Manufacturer's physical unique identifier and knurl marks indelibly marked on product body	Specify markings	1.25%
1.1.5		**Compliance to Eskom Buyer's Guide Drawings**		
1.1.5.1		ABC to ABC insulated or Bare Neutral to ABC insulated	ABC to ABC Insulated	2%
1.1.5.2		is it suitable for main conductor of aluminium or copper	Aluminium/Copper	2%
1.1.5.3		is it suitable for tap conductor of aluminium or copper	Aluminium/Copper	2%
1.1.5.4		Colour coding	As per Sap number	2%
1.1.5.5		Supplied with Shear head cap	As per SAP number	2%
1.2	·	**Mechanical Properties**		
1.2.1		Eskom Approved manufacturer of ABC: (currently approved manufacturer)		
1.2.1.1		The fittings will be used on ABC with cross-sectional area ranges as below		
1.2.1.1.1		Main Conductor diameter range	35 to 95 mm sq	1.5%
1.2.1.1.2		Tap Conductor diameter range	6 to 25 mm sq	1.5%
1.2.2		Breaking force of supporting conductor in kN		3%
1.2.3		Type of UV stabilized material	as per 3.3.4 of 240-75883122	3%
1.2.4		Rigid polymer used		3%
1.2.5		Minimum tensile strength	Mpa	3%
1.2.6		Maximum elongation	%	3%
1.2.7		Maximum filler content	%	3%
1.2.8		Minimum dielectric strength	V/m 10^6	3%
1.2.9		Signed report of assessment by polymer expert submitted?		3%
1.2.10		suitable for mechanical shear-off bolts connectors		3%
1.2.11		Item sample required, upon request from Eskom (As per 3.3.1 of 240-75883122)		5%
2	**Documentation (to be submitted with tender)** **Note**: All documentation to also be provided in electronic format.			
2,1	·	**General**		
2.1.1		Approved Manufacturer Drawings showing markings and dimensions	1 Set submitted	4%
2,2	·	**Test Reports (in accordance with SANS 50483- 4)**		
2.2.1		Has the relevant signed mandatory test schedule been submitted?	Signed Test Schedule Submitted	4%
2.2.2		Are all non-metallic components to satisfy the glow-wire test requirements?	As per IEC 695-2-1/1	4%

2.2.3		Type test at min failing load and certificate valid sample test certificate to be provided for the production run associated with each delivery	Signed Test Report Submitted	4%
3		**Packaging**		
3,1		Individually sealed as a unit accessory	240-75883122, Clause 4	5%
3,3		Corrosion and mechanical damage protection		5%
3,3		Information to appear on a bulk package • the name of the manufacturer; • the accessories SAP number; • the fitting reference and size; • the number of fittings per package; • the purchaser's order number; and • the date of manufacture.		5%
3,4		Packaging material, method and maximum quantity, not exceeding 30kg.		5%
3,5		Markings to be stipulated.		5%
3,6		Installation instructions provided in packaging.		5%
Overall Weight Score				**100%**

3.2.2.3 Manufacturing Drawing

For all the sap numbers, table 7 below will be used to assess the drawing for each item individually i.e. assessment per SAP number tendered. See examples in table 7.

Table 7: Drawing Assessment Criteria

Sap Number	Description	Requirement	Weight
165496/ 165498/ 165494	CLAMP, IPC BIMET 35-95I/35-95I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 35-95 mm^2)/ CLAMP,IPC BIMET 35-95B/6-25I D3039 (Bare to insulated)/ CLAMP,IPC BIMET 35-95I/6-25I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 6-25 mm^2)	Detailed Drawing with labels and dimensions	50%
		Drawing Number	12.5%
		Drawing Revision Number	12.5%
		Drawing to Illustrate the Application	12.5%
		Eskom Sap Number	12.5%
Overall Weight Score			**100%**

3.2.2.4 Evaluation of Type Test Reports

The type test shall be submitted per SAP number, in case where all the sap numbers are covered in one report, it shall be clearly stipulated on the submission which SAP numbers are covered and table 8 below will be used for this assessment.

Table 8: Type Test Evaluation

Item	Type tests to be conducted	Procedure	Pass Criteria	Score
1.	Dielectric Test on fittings with supporting conductor	SANS 50483-4	No breakdown to occur at less than 30kV	10.11%
2.	Tensile test on suspension fittings including movable link (where applicable)	SANS 50483-4	It shall break when subjected to a load between 7kN and 9kN.	10.11%
3.	Slippage Test	SANS 50483-4	Slippage not to occur at 2% of the certified breaking force of the supporting conductor.	10.11%
4.	Accelerated weathering test	SANS 50483-4	It must pass the dielectric test.	10.11%
5.	Aging test	SANS 50483-4	No degradation of mechanical properties shall occur	10.11%
6.	Corrosion Test	SANS 50483-4	At the end of the test, the fittings shall be free of detrimental corrosion.	10.11%
7.	Shear head torque test	SANS 50483-4	No damage on the conductor and on the IPC shall occur	10.11%
8.	Fire retardation test	SANS 50483-4	Shouldn't burn completely	10.11%
9.	Waterproof test	SANS 50483-4	Water shouldn't penetrate	10.11%
Overall Weight Score				100%

3.2.3 Stage 3: Sample Evaluation

The tenderer shall submit a sample following a request from commercial after successful desktop technical evaluation. The sample will be assessed visual. The sample's compliance will be checked and the result will be a "Yes" or "No". The tenderer's sample must achieve a "Yes" in the following requirements tabulated in Table 9. A "No" will result in the sample being rejected or sent back for modifications.

Table 9: Sample Evaluation Criteria

Description	Compliance
Eskom SAP No	Yes/No
Clear marking of the Manufacturer	Yes/No
Clear marking of the Manufacturer's Product Code	Yes/No
Conductor fit	Yes/No
Item Marking fully comply with the schedule A&B	Yes/No
The insulation full comply with SANS 50483-4	Yes/No
Routine Test certificates stipulated in standard/specification to accompany the sample	Yes/No

4. Packaging

The packaging shall be done as per 240-75883122, individually packed and the bulk packaging shall be maximum of 30kg. The packaging shall be carefully done to prevent damage or deformation during normal transportation, handling and storage.

5. Items

The Procurement department to choose the relevant sap number(s) in the table 10 below for which the tender is issued for.

Table 10: Various IPC's

Eskom Standard	SAP No.	Description	Indicate by (✓)
SANS 50483-4	165496	CLAMP, IPC BIMET 35-95I/35-95I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 35-95 mm^2)	
	165498	CLAMP,IPC BIMET 35-95B/6-25I D3039 (Bare to insulated)	
	165494	CLAMP,IPC BIMET 35-95I/6-25I D3039 (Main Conductor 35-95 mm^2 & tapping conductor: 6-25 mm^2)	
	175104	CLAMP, IPC BIMET 16-95I/1.5-10I D3039	
	578664	CONNECTOR,TEE:RUN 25MM2 TO 95MM2 AL/CU	
	578665	CONNECTOR,TEE:RUN 25MM2 TO 95MM2 AL/CU	
	165521	CLAMP,IPC BIMET 35-95B/35-95I D3039	

6. REVISION HISTORY

Date	Revision	Compiler	Remarks
Sept 2025	2	J Maudu	The tenderer shall submit a sample following a request from commercial after desktop evaluation added.
Feb 2023	1	Maudu AJ & Mathonsi M.M	New document

ANNEX A: TEST REPORT SUMMARY

Table 11: Type Test Report

Item description: IPC's						
Test	**Report no.**	**Test facility**	**Product Code**	**Manufacturer**	**Has the type tested Raw Material Changed (Y/N)**	**Submitted (Y/N)**
Dielectric Test on fittings with supporting conductor						
Tensile test on suspension fittings including movable link (where applicable)						
Slippage Test						
Accelerated weathering test						
Aging test						
Corrosion Test						
Shear head torque test						
Fire retardation test						
Waterproof test						

ANNEX B: TECHNICAL SCHEDULES A & B FOR IPC'S

Table 12.1: Schedule A&B (165496)

Item	Description	Requirements	Schedule A	Schedule B
1	**Product Information**			
1,1	· **Purchasing details (240-75883122)**			
1.1.1	Eskom SAP No (Select from the Drop Down)	e.g.165496	xxxxxxxxxx	
1.1.2	Manufacturer	Manufacturer name	xxxxxxxxxx	
1.1.3	Manufacturer's Product Code	Specify Code	xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number	Specify No and Rev	xxxxxxxxxx	
1.1.5	Manufacturer's physical unique identifier and knurl marks indelibly marked on product body	Specify markings	xxxxxxxxxx	
1.1.6	· **Compliance to Eskom Buyer's Guide Drawings**			
1.1.6.1	ABC to ABC insulated or Bare Neutral to ABC insulated	ABC to ABC Insulated	xxxxxxxxxx	
1.1.6.2	is it suitable for main conductor of aluminium or copper	Aluminium/Copper	State the material	
1.1.6.3	is it suitable for tap conductor of aluminium or copper	Aluminium/Copper	State the material	
1.1.6.4	Colour coding	Black	YES	xxxxxxxxxx
1.1.6.4	Supplied with Shear head cap	As per SAP number	grey/ not specified	
1,2	· **Mechanical Properties**			
1.2.1	Eskom Approved manufacture of ABC: (currently approved manufacturer)			
1.2.1.1	The fittings will be used on ABC with cross-sectional area ranges as below			
1.2.1.2	Main Conductor diameter range	35 to 95l mm sq	xxxxxxxxxx	
1.2.1.3	Tap Conductor diameter range	35 to 95l mm sq	xxxxxxxxxx	
1.2.2	Breaking force of supporting conductor in kN		State the Breaking load	
1.2.3	Type of UV stabilized material	as per 3.3.4 of 240-75883122	YES	
1.2.4	Rigid polymer used		xxxxxxxxxx	
1.2.4.1	Minimum tensile strength	Mpa	40	
1.2.4.2	Maximum elongation	%	120	
1.2.4.3	Maximum filler content	%	30	
1.2.4.4	Minimum dielectric strength	V/m 10^6	16	
1.2.4.5	Signed report of assessment by polymer expert submitted?		Yes/No	
1.2.6	suitable for mechanical shear-off bolts connectors			
1.2.7	Item sample required, upon request from Eskom (As per 3.3.1 of 240-75883122)		Yes/No	
2	**Documentation (to be submitted with tender)**			
	Note: All documentation to also be provided in electronic format.			
2.1	· **General**			
2.1.1	Approved Manufacturer Drawings showing markings and dimensions	1 Set submitted	YES	
2.2	· **Test Reports (in accordance with SANS 50483- 4, 5 and 6)**		**Required**	

2.2.1		Has the relevant signed mandatory test schedule been submitted.	Signed Test Schedule Submitted	YES	
2.2.2		Are all non-metallic components to satisfy the glow-wire test requirements.	As per IEC 695-2-1/1	YES/NO	
2.2.3		Type test at min failing load and certificate valid sample test certificate to be provided for the production run associated with each delivery	Signed Test Report Submitted	YES/NO	
3		**Packaging**			
3.1		Individually sealed as a unit accessory	240-75883122, Clause 4	Individually sealed	
3.2		Corrosion and mechanical damage protection		Yes/No	
3.3		Information to appear on a bulk package •the name of the manufacturer; •the accessories SAP number; •the fitting reference and size; •the number of fittings per package; •the purchaser's order number; and •the date of manufacture.		Yes	
3.4		Packaging material, method and maximum quantity, not exceeding 30kg.		Supplier to provide details	
3.5		Markings to be stipulated.		Supplier to provide details	
3.6		Installation instructions provided in packaging.		YES	

SIGNATURES

Tenderer

Name (Print) _____ Sign _____ Date _____

Table 12.2: Schedule A&B (165498)

Item		Description	Requirements	Schedule A	Schedule B
1		**Product Information**			
1,1	·	**Purchasing details (240-75883122)**			
1.1.1		Eskom SAP No (Select from the Drop Down)	e.g.,165498	xxxxxxxxxx	
1.1.2		Manufacturer	Manufacturer name	xxxxxxxxxx	
1.1.3		Manufacturer's Product Code	Specify Code	xxxxxxxxxx	
1.1.4		Manufacturer's Drawing number & Revision number	Specify No and Rev	xxxxxxxxxx	
1.1.5		Manufacturer's physical unique identifier and knurl marks indelibly marked on product body	Specify markings	xxxxxxxxxx	
1.1.6	·	**Compliance to Eskom Buyer's Guide Drawings**			
1.1.6.1		ABC to ABC insulated or Bare Neutral to ABC insulated	Bare Neutral to ABC Insulated	xxxxxxxxxx	
1.1.6.2		is it suitable for main conductor of aluminium or copper	Aluminium	State the material	
1.1.6.3		is it suitable for tap conductor of aluminium or copper	Aluminium/Copper	State the material	
1.1.6.4		Colour coding	Blue	YES	xxxxxxxxxx
1.1.6.4		Supplied with Shear head cap	As per SAP number	grey/ not specified	
1,2	·	**Mechanical Properties**			
1.2.1		Eskom Approved manufacture of ABC: (currently approved manufacturer)			
1.2.1.1		The fittings will be used on ABC with cross-sectional area ranges as below			
1.2.1.2		Main Conductor diameter range	35 to 95B mm sq	xxxxxxxxxx	
1.2.1.3		Tap Conductor diameter range	6 to 25B mm sq	xxxxxxxxxx	
1.2.2		Breaking force of supporting conductor in kN		State the Breaking load	
1.2.3		Type of UV stabilized material	as per 3.3.4 of 240-75883122	YES	
1.2.4		Rigid polymer used		xxxxxxxxxx	
1.2.4.1		Minimum tensile strength	Mpa	40	
1.2.4.2		Maximum elongation	%	120	
1.2.4.3		Maximum filler content	%	30	
1.2.4.4		Minimum dielectric strength	V/m 10^6	16	
1.2.4.5		Signed report of assessment by polymer expert submitted?		Yes/No	
1.2.6		suitable for mechanical shear-off bolts connectors			
1.2.7		Item sample required, upon request from Eskom (As per 3.3.1 of 240-75883122)		Yes/No	
2		**Documentation (to be submitted with tender)**			
		Note: All documentation to also be provided in electronic format.			
2.1	·	**General**			
2.1.1		Approved Manufacturer Drawings showing markings and dimensions	1 Set submitted	YES	
2.2	·	**Test Reports (in accordance with SANS 50483- 4, 5 and 6)**		**Required**	

2.2.1		Has the relevant signed mandatory test schedule been submitted.	Signed Test Schedule Submitted	YES	
2.2.2		Are all non-metallic components to satisfy the glow-wire test requirements.	As per IEC 695-2-1/1	YES/NO	
2.2.3		Type test at min failing load and certificate valid sample test certificate to be provided for the production run associated with each delivery	Signed Test Report Submitted	YES/NO	
3		**Packaging**			
3.1		Individually sealed as a unit accessory	240-75883122, Clause 4	Individually sealed	
3.2		Corrosion and mechanical damage protection		Yes/No	
3.3		Information to appear on a bulk package •the name of the manufacturer; •the accessories SAP number; •the fitting reference and size; •the number of fittings per package; •the purchaser's order number; and •the date of manufacture.		Yes	
3.4		Packaging material, method and maximum quantity, not exceeding 30kg.		Supplier to provide details	
3.5		Markings to be stipulated.		Supplier to provide details	
3.6		Installation instructions provided in packaging.		YES	

SIGNATURES

Tenderer

Name (Print) _____ Sign _____ Date _____

Table 12.3: Schedule A&B (165494)

Item	Description	Requirements	Schedule A	Schedule B
1	**Product Information**			
1,1	· **Purchasing details (240-75883122)**			
1.1.1	Eskom SAP No (Select from the Drop Down)	e.g.165494	xxxxxxxxxx	
1.1.2	Manufacturer	Manufacturer name	xxxxxxxxxx	
1.1.3	Manufacturer's Product Code	Specify Code	xxxxxxxxxx	
1.1.4	Manufacturer's Drawing number & Revision number	Specify No and Rev	xxxxxxxxxx	
1.1.5	Manufacturer's physical unique identifier and knurl marks indelibly marked on product body	Specify markings	xxxxxxxxxx	
1.1.6	· **Compliance to Eskom Buyer's Guide Drawings**			
1.1.6.1	ABC to ABC insulated or Bare Neutral to ABC insulated	ABC to ABC Insulated	xxxxxxxxxx	
1.1.6.2	is it suitable for main conductor of aluminium or copper	Aluminium/Copper	State the material	
1.1.6.3	is it suitable for tap conductor of aluminium or copper	Aluminium/Copper	State the material	
1.1.6.4	Colour coding	Black	YES	xxxxxxxxxx
1.1.6.4	Supplied with Shear head cap	As per SAP number	grey/ not specified	
1,2	· **Mechanical Properties**			
1.2.1	Eskom Approved manufacture of ABC: (currently approved manufacturer)			
1.2.1.1	The fittings will be used on ABC with cross-sectional area ranges as below			
1.2.1.2	Main Conductor diameter range	35 to 95l mm sq	xxxxxxxxxx	
1.2.1.3	Tap Conductor diameter range	6 to 25l mm sq	xxxxxxxxxx	
1.2.2	Breaking force of supporting conductor in kN		State the Breaking load	
1.2.3	Type of UV stabilized material	as per 3.3.4 of 240-75883122	YES	
1.2.4	Rigid polymer used		xxxxxxxxxx	
1.2.4.1	Minimum tensile strength	Mpa	40	
1.2.4.2	Maximum elongation	%	120	
1.2.4.3	Maximum filler content	%	30	
1.2.4.4	Minimum dielectric strength	V/m 10^6	16	
1.2.4.5	Signed report of assessment by polymer expert submitted?		Yes/No	
1.2.6	suitable for mechanical shear-off bolts connectors			
1.2.7	Item sample required, upon request from Eskom (As per 3.3.1 of 240-75883122)		Yes/No	
2	**Documentation (to be submitted with tender)**			
	Note: All documentation to also be provided in electronic format.			
2.1	· **General**			
2.1.1	Approved Manufacturer Drawings showing markings and dimensions	1 Set submitted	YES	
2.2	· **Test Reports (in accordance with SANS 50483- 4, 5 and 6)**		**Required**	

2.2.1		Has the relevant signed mandatory test schedule been submitted.	Signed Test Schedule Submitted	YES	
2.2.2		Are all non-metallic components to satisfy the glow-wire test requirements.	As per IEC 695-2-1/1	YES/NO	
2.2.3		Type test at min failing load and certificate valid sample test certificate to be provided for the production run associated with each delivery	Signed Test Report Submitted	YES/NO	
3		**Packaging**			
3.1		Individually sealed as a unit accessory	240-75883122, Clause 4	Individually sealed	
3.2		Corrosion and mechanical damage protection		Yes/No	
3.3		Information to appear on a bulk package • the name of the manufacturer; • The accessories SAP number; • the fitting reference and size; • the number of fittings per package; • the purchaser's order number; and • the date of manufacture.		Yes	
3.4		Packaging material, method and maximum quantity, not exceeding 30kg.		Supplier to provide details	
3.5		Markings to be stipulated.		Supplier to provide details	
3.6		Installation instructions provided in packaging.		YES	

SIGNATURES

Tenderer

Name (Print) _____ Sign _____ Date _____

ANNEX C: DEVIATION SCHEDULE

Table 13.1: Deviation Schedule e.g.165496

Any deviations from the stipulated specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom and from SANS 50483-4. The deviation schedule is to be completed by all tenderers		
Item	**Clause**	**Proposed deviation**
Note: any stipulated test in this document that was not conducted shall be listed in the deviation schedule with the consequences and signed by ECSA registered person.		

SIGNATURES

Supplier

Name (Print)	Sign	Date

Table 13.2: Deviation Schedule e.g.165498

Any deviations from the stipulated specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom and from SANS 50483-4. The deviation schedule is to be completed by all tenderers		
Item	**Clause**	**Proposed deviation**
Note: any stipulated test in this document that was not conducted shall be listed in the deviation schedule with the consequences and signed by ECSA registered person.		

SIGNATURES

Supplier

Name (Print)	Sign	Date

Table 13.3: Deviation Schedule e.g.165494

Any deviations from the stipulated specification shall be listed below with reasons for deviation. In addition, evidence shall be provided that the proposed deviation will at least be more cost-effective than that specified by Eskom and from SANS 50483-4. The deviation schedule is to be completed by all tenderers		
Item	**Clause**	**Proposed deviation**
Note: any stipulated test in this document that was not conducted shall be listed in the deviation schedule with the consequences and signed by ECSA registered person.		

SIGNATURES

Supplier

Name (Print) _____ Sign _____ Date _____