

Title: **Grootvlei Fire Detection System
Maintenance Tender Technical
Evaluation Strategy**

Unique Identifier:

GVL/0845

Alternative Reference Number:

N/A

Area of Applicability:

**Grootvlei Power
Station**

Documentation Type:

Engineering

Revision:

2

Total Pages:

27

Next Review Date:

As Required

Disclosure Classification:

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1. INTRODUCTION

Grootvlei Power Station operates a Fire Detection System (FDS) that is critical for life safety, asset protection, and regulatory compliance. The system provides early fire detection, alarm annunciation, and interfaces to associated fire protection, HVAC and gaseous suppression.

This tender relates to the procurement of FDS maintenance services for Grootvlei Power Station. The scope covers preventative and corrective maintenance, statutory inspections and testing, fault response, and the maintenance of system documentation for the existing installed FDS and its interfaces.

The technical specification has been developed in alignment with the Eskom Fire Detection and Life Safety ITSM standard and applicable OEM maintenance best practices. Due to the safety-critical nature of the FDS, emphasis is placed on contractor competence, certification, and experience on comparable systems.

This Tender Evaluation Strategy defines the technical evaluation criteria and approach that will be applied during the sourcing process to ensure that only technically compliant and capable contractors are considered for contract award.

2. SUPPORTING CLAUSES

2.1 SCOPE

This Tender Technical Evaluation Strategy defines the criteria, and methodology to be applied during the technical evaluation of tenders submitted for the FDS maintenance at Grootvlei Power Station.

The document covers the mandatory and qualitative technical evaluation criteria that will be used to assess tenderers' technical compliance, capability, experience, certification, and ability to safely and effectively deliver the required scope of work. It also outlines the basis upon which tenders will be accepted or rejected from a technical perspective.

This strategy is limited to the technical evaluation phase of the procurement process and does not address commercial evaluation, pricing assessment, contract negotiation, or contract administration activities.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and TET member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document is applicable to the Grootvlei FDS maintenance only and shall be used by all members of the Technical Evaluation Team involved in the evaluation of technical tender submissions for this contract.

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] 240-168966153: Generation Tender Technical Evaluation Procedure Rev 1
- [2] 240-56737654 - Inspection, Testing and Maintenance of Fire Detection Systems Standard Rev 4

2.2.2 Informative

- [3] N/A

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2.3 DEFINITIONS

Definition	Description
Level 1 Fault	Routine operational faults that can be resolved through standard inspection, reset, device replacement, or basic maintenance activities without specialised engineering tools. Examples include detector contamination or failure, manual call point faults, battery faults, and basic wiring or device communication issues.
Level 2 Fault	Intermediate system faults requiring system-level diagnostics using standard service tools but not requiring OEM engineering intervention. Examples include addressable loop communication issues, device addressing faults, interface module configuration, or panel diagnostics.
Level 3 Fault	Advanced system faults requiring engineering-level diagnostics, configuration changes, database recovery, firmware updates, or troubleshooting of communication between Fire Detection System panels and supervisory systems such as the Enterprise Building Integrator (EBI). Resolution may require OEM engineering software tools or specialist support.
Level 4 Fault	Complex faults requiring direct involvement of the OEM or an authorised OEM specialist due to the proprietary nature of the system. Examples include core system software failures, major database corruption or reconstruction, EBI server faults, proprietary firmware issues, or system architecture changes affecting multiple panels.

2.3.1 Classification

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

2.4 ABBREVIATIONS

Abbreviation	Description
24/7	24 hours a day, 7 days a week
ANSI	American National Standards Institute
ATEX	ATmosphere EXplosible
C&I	Control and Instrumentation
CE	Communauté Européenne ("European Community")
CIE	Control and Indicating Equipment
C.V.	Curriculum Vitae
D&S	Design and Specification
EMC	Electromagnetic Compatibility
EN	"European Standard"
FDIA	Fire Detection Installers Association
FDS	Fire Detection and Alarm System
FM	Factory Mutual
IEC	International Electrotechnical Commission
OEM	Original Equipment Manufacturer
PPE	Personal Protective Equipment

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Abbreviation	Description
RFI	Radio Frequency Interference
SANS	South Africa National Standards
SAQCC	South Africa Qualification and Certification Committee
SCADA	Supervisory Control and Data Acquisition
SME	Subject Matter Expert
TET	Technical Evaluation Team
UL	Underwriters Laboratories
UPS	Uninterruptable Power Supplies

2.5 ROLES AND RESPONSIBILITIES

As per 240-168966153: Generation Tender Technical Evaluation Procedure for Generation

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The Mandatory Technical Evaluation Criteria listed in Table 2 shall be used to determine which bidders qualify for further evaluation in the Qualitative Technical Evaluation phase. Bidders that fail to meet any one of the Mandatory Technical Evaluation Criteria will be disqualified from further technical evaluation.

Bidders that meet all Mandatory Technical Evaluation Criteria will be evaluated in accordance with the Qualitative Technical Evaluation Criteria detailed in Table 4. The Mandatory and Qualitative Technical Evaluation Criteria, excluding weightings, shall be issued together with the market enquiry.

For a tender to be considered technically acceptable, a minimum weighted technical score of **70%** shall be achieved during the Qualitative Technical Evaluation. This threshold is deemed appropriate to ensure adequate technical compliance and capability, while allowing sufficient competition in the market in line with procurement requirements.

3.2 TET MEMBERS

Table 1: TET Members

TET number	Designation
TET 1	C&I Snr Supervisor Tech Maintenance
TET 2	C&I Snr Supervisor Tech Maintenance

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TET 3	C&I System Engineer
TET 4	C&I System Engineer

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3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

The Mandatory Technical Evaluation Criteria listed in Table 2 shall be used to determine which bidders qualify for further evaluation in the Qualitative Technical Evaluation phase.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
1.	A site visit and technical clarification session is compulsory and must be conducted prior to submission of any quotation or tender response. A site clarification record or site visit register must accompany the submission as proof that the assessment was completed. Submissions without evidence of a completed site visit will be deemed non-compliant and excluded from further evaluation.	Site Visit Register / Site Clarification Record	This requirement ensures that the service provider has a clear and practical understanding of the existing fire detection infrastructure, including panel configurations, network topology, interfaces, operational constraints, and known system impairments. The site visit enables accurate scoping and realistic pricing, and reduces technical, commercial, and execution risks to both Eskom and the service provider during contract execution.
2.	Maintenance personnel shall be qualified as SAQCC Fire Servicemen for the maintenance and servicing of fire detection systems. The Contractor or nominated subcontractor shall provide proof of paid-up, valid registration with SAQCC Fire, including certified copies of registration certificates, letters of good standing, and a signed undertaking between the Contractor and subcontractor where	<p>The Contractor or the nominated subcontractor provides proof of paid-up valid registration with the SAQCC. All information is in English and clearly legible. The proof is submitted as the following documents:</p> <p>(1) Certified copy (by Commissioner of Oaths not older than 3 months) of the certificate(s) of registration with the SAQCC.</p> <p>(2) Official letter(s) of good standing from the SAQCC indicating the validity status of</p>	This criterion ensures that personnel performing maintenance activities are suitably qualified and registered in accordance with statutory and industry requirements. It aligns with the Eskom Fire Detection System Inspection, Testing and Maintenance (ITM) Standard Rev 4, which mandates that fire detection system maintenance be performed by SAQCC Fire-qualified personnel. This requirement supports legal compliance,

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	<p>applicable. CVs of registered personnel shall be submitted where individual certification is provided.</p>	<p>registration; and (3) Signed commitment of undertaking between the Contractor and the nominated subcontractor.</p> <p>The certificate(s) of registration together with the supporting letter(s) is required to include the following information:</p> <ol style="list-style-type: none"> (1) SAQCC contact details (letterhead name or logo, physical address, email address and telephone number(s)). (2) Name of the registered company (i.e. containing the name of the Contractor tendering for the Grootvlei Power Station FDS Maintenance) or name of the registered person(s). (3) SAQCC registration category as a Fire Serviceman. (4) SAQCC registration number assigned to the registered company or company representative. (5) Date of registration with the SAQCC. (6) Paid-up validity status of registration with the SAQCC; and (7) Signature(s) or approval stamp from the SAQCC. <p>Where the <i>Contractor</i> provides certificate(s) of the registered person(s), it shall be accompanied by the person(s) CV(s).</p>	<p>competency assurance, and the safe execution of maintenance activities on life-safety systems.</p>
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3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

Table 3 indicates the scoring method used for each qualitative evaluation criterion that is shown on Table 4.

TABLE 3: QUALITATIVE EVALUATION CRITERIA SCORING TABLE

SCORE	PERCENTAGE	DESCRIPTION
5	100	COMPLIANT <ul style="list-style-type: none"> • Meet technical requirement(s) AND • No foreseen technical risk(s) in meeting technical requirements.
4	80	COMPLIANT WITH ASSOCIATED QUALIFICATIONS <ul style="list-style-type: none"> • Meet technical requirement(s) WITH • Acceptable technical risk(s) AND/OR • Acceptable exceptions AND/OR • Acceptable conditions.
2	40	NON-COMPLIANT <ul style="list-style-type: none"> • Does not meet technical requirement(s) AND/OR • Unacceptable technical risk(s) AND/OR • Unacceptable exceptions AND/OR • Unacceptable conditions.
0	0	TOTALLY DEFICIENT OR NON-RESPONSIVE

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Table 4: Qualitative Technical Evaluation Criteria

	Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Criteria Weighting (%)	Criteria Sub Weighting (%)	Score Qualification
1.	Number of Similar Services		Tender Returnable: Contractor Experience and References (Maintenance and Breakdown Support of Fire Detection Systems)	8	100	
	1.1	Demonstrated experience in maintenance and breakdown support of Fire Detection Systems	Verifiable proof of similar services in the form of purchase orders, completion certificates, or signed reference letters. References must clearly describe the scope of work, indicate Fire Detection System maintenance and breakdown support activities, and include contactable client details. Only services completed within the last 20 years will be considered, with emphasis on relevance, clarity, and comparability to the Grootvlei FDS maintenance scope.	8	100	<p>5 = Compliant. Four (4) or more similar FDS maintenance and breakdown services demonstrated. Submissions are verifiable, relevant, and present no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Three (3) similar services demonstrated. Submissions are verifiable and relevant, with acceptable technical risk.</p> <p>2 = Non-compliant. One (1) to two (2) similar services demonstrated, or submissions lack adequate verification or clarity, resulting in unacceptable technical risk.</p>

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						0 = Totally deficient or non-responsive. No similar services demonstrated, or submissions are not provided, not verifiable, or irrelevant.
2.	Senior Technician Capability, Qualification and SAQCC Accreditation		Tender Returnable: CVs, certified qualification certificates, and valid SAQCC Fire registration certificates	8	100	
	2.1	Availability and competency of suitably qualified and SAQCC-accredited Senior Technician(s)	<p>Tender Returnables:</p> <ul style="list-style-type: none"> • CVs • Certified qualification certificates • Valid SAQCC Fire registration certificates <p>The proposed Senior Technician must hold a National Diploma (NQF Level 6 or higher) in one of the following disciplines:</p> <ul style="list-style-type: none"> • Electronic Engineering (Light Current) • Electrical Engineering (Heavy Current) • Control and Instrumentation Engineering • Mechatronics <p>OR</p> <p>National N6 qualification in a relevant discipline, supported by:</p> <ul style="list-style-type: none"> • Valid SAQCC Fire accreditation, and 	8	100	<p>5 = Compliant. One (1) or more Senior Technicians are provided who hold a National Diploma in Electronic Engineering, Electrical Engineering, or Control and Instrumentation Engineering (or equivalent), have four (4) years or more Fire Detection System maintenance experience, and are SAQCC Fire-accredited. All documentation is valid, verifiable, and presents no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. One (1) Senior Technician is provided who holds the required National Diploma in Electronic Engineering, Electrical Engineering, or Control and Instrumentation Engineering (or equivalent), has at least three (3) years but less than four (4) years Fire Detection System maintenance experience, and is SAQCC Fire-accredited. The shortfall in experience is limited and acceptable.</p>

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			<ul style="list-style-type: none"> Proven Fire Detection System maintenance experience meeting the minimum years required <p>OR</p> <p>Trade Test qualification (T1 or T2) in Electrical / Electronic / Instrumentation discipline, provided that:</p> <ul style="list-style-type: none"> The trade qualification is SAQA-recognised The individual holds valid SAQCC Fire accreditation The minimum required Fire Detection System maintenance experience is met 			<p>2 = Non-compliant. A Senior Technician is proposed but does not meet one or more key requirements (qualification, minimum experience, or SAQCC accreditation). The submission demonstrates insufficient technical capability.</p> <p>0 = Totally deficient or non-responsive. No Senior Technician is proposed, or required documentation is not submitted, not verifiable, or irrelevant.</p>
3.	Technician Qualifications and SAQCC Accreditation	Tender Returnable: CVs, certified qualification certificates, and valid SAQCC Fire registration certificates		7	100	
3.1	Availability of suitably qualified and SAQCC-accredited Technicians	<p>Tender Returnables:</p> <ul style="list-style-type: none"> CVs Certified qualification certificates Valid SAQCC Fire registration certificates <p>The proposed Senior Technician must hold a National Diploma (NQF Level 6 or higher) in one of the following disciplines:</p> <ul style="list-style-type: none"> Electronic Engineering (Light Current) Electrical Engineering (Heavy Current) 		7	100	<p>5 = Compliant. Two (2) or more Technicians are provided who each hold a National Diploma (or equivalent) in Electrical Engineering, Electronic Engineering, Instrumentation, or Mechatronics, have ≥ 3 years' proven experience in Fire Detection System maintenance, and are SAQCC Fire Serviceman accredited. All documentation is valid, current, and verifiable, with no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. One (1) Technician is provided who meets the qualification and SAQCC requirements and has ≥ 3 years'</p>

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			<ul style="list-style-type: none"> Control and Instrumentation Engineering Mechatronics <p>OR</p> <p>National N6 qualification in a relevant discipline, supported by:</p> <ul style="list-style-type: none"> Valid SAQCC Fire accreditation, and Proven Fire Detection System maintenance experience meeting the minimum years required <p>OR</p> <p>Trade Test qualification (T1 or T2) in Electrical / Electronic / Instrumentation discipline, provided that:</p> <ul style="list-style-type: none"> The trade qualification is SAQA-recognised The individual holds valid SAQCC Fire accreditation The minimum required Fire Detection System maintenance experience is met 			<p>experience in Fire Detection System maintenance. Reduced team depth presents acceptable and manageable technical risk.</p> <p>2 = Non-compliant. Technicians are proposed, but one or more key requirements (qualification discipline, minimum experience, or SAQCC accreditation) are not met or are insufficient, resulting in unacceptable technical risk.</p> <p>0 = Totally deficient or non-responsive. No Technicians meeting the stated qualification, experience, and SAQCC accreditation requirements are provided, or required documentation is not submitted or not verifiable.</p>
4.	Experience with XLS1000 and XLS3000 Fire Detection Panels	Tender Returnable: CVs and verifiable experience records of proposed personnel	13	100		
4.1	Demonstrated system specific experience on XLS1000 and	Tender Returnable: CVs and experience summaries for Senior Technician(s) and Technician(s) demonstrating hands-on experience in maintenance, fault finding, configuration, testing, and commissioning support on Honeywell XLS1000 and	13	100	5 = Compliant. One (1) or more Senior Technicians with ≥3 years hands-on experience on Honeywell XLS1000 and XLS3000 fire detection panels, and two (2) or more Technicians each with ≥2 years hands-on	

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		XLS3000 fire detection panels	<p>XLS3000 fire detection panels. Experience must be verifiable, recent, and relevant to industrial or power station environments.</p> <p>This criterion applies only to personnel already meeting the qualification and SAQCC accreditation requirements evaluated under Criteria 2 and 3.</p>			<p>experience on these platforms. Experience is recent, verifiable, and presents no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. System-specific experience is demonstrated by either one (1) Senior Technician with 1–2 years hands-on experience, or two (2) Technicians each with ≥1 year hands-on experience. Capability is acceptable but presents reduced depth, resulting in manageable technical risk.</p> <p>2 = Non-compliant. One or more Senior Technician(s) and/or Technician(s) demonstrate <1 year system-specific experience, or experience is indirect, outdated, or poorly substantiated, resulting in unacceptable technical risk.</p> <p>0 = Totally deficient or non-responsive. No verifiable system-specific experience on Honeywell XLS1000 or XLS3000 fire detection panels is demonstrated by proposed personnel</p>
5.	Experience with Wireless Fire Detection Systems		Tender Returnable: CVs and verifiable experience records of proposed personnel	5	100	
	5.1	Demonstrated experience with radio-linked wireless fire detection systems	The tenderer shall submit CVs and experience summaries for Senior Technician(s) and Technicians proposed for the contract, clearly demonstrating hands-on experience in the installation, configuration, maintenance, fault finding, and testing of radio link wireless fire detection	5	100	<p>5 = Compliant. One (1) or more qualified Senior Technicians and two (2) or more qualified Technicians demonstrate verifiable hands-on experience with radio link wireless fire detection systems. Experience is relevant and presents no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Verifiable wireless FDS experience is demonstrated by</p>

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			<p>systems. Experience shall be verifiable and relevant to industrial or power station environments. This criterion assesses competence in maintaining wireless FDS components deployed at Grootvlei Power Station.</p> <p>This criterion applies only to personnel already meeting the qualification and SAQCC accreditation requirements evaluated under Criteria 2 and 3.</p>			<p>either a Senior Technician or two (2) or more Technicians.</p> <p>2 = Non-compliant. Limited wireless FDS experience is demonstrated by only one Technician, or experience is generic or poorly substantiated, resulting in unacceptable technical risk.</p> <p>0 = Totally deficient or non-responsive. No verifiable experience with radio link wireless fire detection systems is demonstrated by proposed personnel.</p>
6.	Escalation and Support Plan for Issues Beyond Contractor's Scope		Tender Returnable: Escalation and Support Plan and OEM Technical Support Arrangement	11	100	
	6.1	<p>Availability and adequacy of escalation and OEM technical support arrangements</p> <p>Escalation of Level 3 and Level 4 faults shall be handled in accordance with the fault</p>	<p>The tenderer shall submit a clear and structured escalation and support plan addressing technical issues beyond the Contractor's direct scope of work, including but not limited to OEM Enterprise Building Integrator (EBI) supervisory servers, OEM software faults, network or communication faults, complex configuration changes, and high-level diagnostics requiring OEM engineering tools or support. The escalation plan shall define escalation levels, response times, key contact persons, communication flow, and interfaces with OEMs and Eskom stakeholders. For complex faults (e.g. Level 3 and Level 4 faults), the tenderer shall demonstrate that technical support will be sought from the OEM or an</p>	11	100	<p>5 = Compliant. A clear escalation and support plan is submitted, including defined escalation levels, response times, named contacts, and documented evidence of access to OEM or authorised partner technical support for Level 3 and Level 4 faults on XLS3000 and EBI systems. No foreseeable technical risk.</p> <p>4 = Not applicable.</p> <p>2 = Not Applicable.</p> <p>0 = Totally deficient or non-responsive. No escalation plan or no evidence of OEM or authorised technical support arrangement is provided.</p>

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		classification defined in the Definitions section (2.3) of this document.	<p>authorised OEM partner. Evidence shall be provided in the form of a back-to-back support agreement, letter of support, or equivalent arrangement demonstrating access to OEM technical support for XLS3000 systems and associated EBI platforms.</p> <p>The Contractor shall not undertake high-level configuration changes, system architecture modifications, or advanced diagnostics requiring proprietary OEM engineering tools without OEM consultation or support.</p> <p>Where the tenderer does not possess direct OEM engineering software tools required for advanced diagnostics, configuration changes, or system recovery on the XLS3000 or associated EBI systems, the escalation arrangement shall explicitly demonstrate access to such OEM engineering tools through the OEM or authorised partner.</p>			
7.	Experience with SCADA or Server-Managed Fire Detection Systems		Tender Returnable: CVs and verifiable experience records demonstrating SCADA or server-based FDS integration	10	100	
	7.1	Demonstrated experience with server-managed or SCADA-integrated fire detection systems	The tenderer shall submit CVs and experience summaries for proposed personnel demonstrating hands-on experience in maintaining, fault-finding, and supporting fire detection systems integrated with SCADA platforms or server-based management systems. Experience with the OEM's Enterprise Building Integrator (EBI) supervisory server or	10	100	5 = Compliant. One (1) or more Senior Technicians demonstrate ≥2 years verifiable hands-on experience supporting fire detection systems integrated with the OEM's Enterprise Building Integrator (EBI) supervisory server, supported by relevant OEM or

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			<p>equivalent shall be clearly indicated and verifiable. This criterion assesses the Contractor’s capability to support integrated FDS environments where alarms, faults, and status are managed via servers and enterprise platforms.</p> <p>This criterion applies only to personnel already meeting the qualification and SAQCC accreditation requirements evaluated under Criteria 2 and 3.</p>			<p>system-specific training certificates. Experience is recent and presents no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Verifiable experience of ≥1 year is demonstrated by proposed personnel on non-OEM SCADA or server-managed fire detection systems, supported by relevant training or system exposure. Capability is acceptable but presents manageable technical risk.</p> <p>2 = Non-compliant. Limited, indirect, or poorly substantiated SCADA or server-managed FDS experience is demonstrated, or experience is less than 1 year, resulting in unacceptable technical risk.</p> <p>0 = Totally deficient or non-responsive. No verifiable experience or training related to SCADA or server-managed fire detection systems is demonstrated.</p>
8.	Availability of Certified Testing and Calibration Tools	Tender Returnable: List of Testing and Calibration Tools, Valid Calibration Certificates or Calibration Schedule		8	100	
	8.1	Availability and certification status of testing and calibration tools	<p>The tenderer shall demonstrate ownership of, or guaranteed access to, certified testing and calibration equipment applicable to the Fire Detection System technologies installed at Grootvlei Power Station.</p> <p>As a minimum, the Contractor shall provide evidence of access to the following mandatory test equipment, aligned to the installed base and maintenance procedure:</p>	8	100	<p>5 = Compliant. The Contractor owns or has access to all required testing and calibration tools, supported by valid and current calibration certificates. No foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Required tools are available; however, calibration certificates are incomplete, nearing expiry, or</p>

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			<p>Mandatory Test Equipment:</p> <ul style="list-style-type: none"> • Optical Smoke Detector test equipment (OEM or OEM-approved aerosol / particulate smoke testers) • Heat Detector test equipment (Controlled heated air test equipment; radiant heat not permitted) • Beam Smoke Detector test equipment (Obscuration filters or OEM-approved beam test tools) • Manual Call Point / Break Glass test devices (Reset keys or OEM-approved MCP test tools) • Relay and Interface Testing Equipment (Suitable electrical test tools for control relays, pressure/flow switch interfaces, and addressable relay modules) • Pressure and Flow Switch functional test equipment (Mechanical or simulated activation methods suitable for FPS interface testing) • Addressable Loop and Network Test Equipment, including: <ul style="list-style-type: none"> ○ Loop testers ○ Multimeters 		<p>supported by an acceptable calibration schedule. Manageable technical risk.</p> <p>2 = Non-compliant. Some mandatory test equipment is missing, unsuitable, or lacks acceptable calibration evidence, resulting in unacceptable technical risk.</p> <p>0 = Totally deficient or non-responsive. No access to suitable testing or calibration tools is demonstrated, or no evidence is submitted.</p>
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			<ul style="list-style-type: none"> ○ Communication testers for FDS field networks ● FDS Panel and Communication Network Test Capability, including: <ul style="list-style-type: none"> ○ Fibre optic continuity / integrity testing tools (where applicable) ○ Radio link diagnostic and verification tools for wireless FDS links <p>The tenderer shall submit:</p> <ul style="list-style-type: none"> ● Valid calibration certificates traceable to accredited laboratories OR ● A formal calibration schedule demonstrating ongoing compliance. <p>All test equipment and consumables shall be OEM-approved where applicable and shall not compromise detector integrity, system calibration, or warranty conditions.</p>			
9.	Availability of Software Tools for XLS3000 Panels		Tender Returnable: OEM Software Tool Access Declaration, Software Licence Evidence, OEM Letter of Authorisation (where applicable)	8	100	
	9.1	Access to OEM-approved software tools for XLS3000 systems	The tenderer shall demonstrate access to the necessary OEM-approved software tools, licences, and interfaces required to connect to, configure, fault-find, back up, restore, and commission Honeywell XLS3000 Fire Detection System panels.	8	100	5 = Compliant. The Contractor demonstrates verified access to OEM-approved software tools required for configuration, diagnostics, backup, restore, and commissioning of XLS3000 panels. Access may be through direct licensing of OEM tools or through a

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		Where direct access to OEM software tools is not available, compliance with this criterion may be demonstrated through the OEM escalation or technical support arrangement described under Criterion 6.	Configuration changes, system architecture modifications, firmware updates, and advanced diagnostics on XLS3000 panels shall only be performed using OEM-approved engineering tools. Evidence of access may include valid software licences, OEM authorisation letters, screenshots of licensed software environments, contractual agreements with the OEM or authorised distributor, or documented escalation/support agreements demonstrating access to OEM engineering tools through the OEM or an authorised partner when required. This criterion evaluates the Contractor's ability to perform effective diagnostics, configuration changes, and system recovery while ensuring OEM-compliant system support. The Employer reserves the right to request demonstration of the software tools during contract execution.			formal escalation/support arrangement with the OEM or an authorised partner that provides access to these tools when required. No foreseeable technical risk. 4 = Not applicable. 2 = Not applicable. 0 = Totally deficient or non-responsive. No evidence of access to OEM-approved software tools or equivalent OEM technical support arrangement is provided.
10.	Maintenance Recordkeeping & Reporting		Tender Returnable: Sample Maintenance Reports, Record keeping Methodology, Digital/Manual Logbook Examples	5	100	
	10.1	Structured maintenance records and reporting	The tenderer shall submit sample maintenance records and reports (minimum of two examples) demonstrating a structured approach to Fire Detection System (FDS) maintenance recordkeeping. As a minimum, each submitted record shall include:	5	100	5 = Compliant. Two or more structured sample maintenance records are submitted. All minimum required fields are present, records are consistent and demonstrate a controlled and repeatable reporting process with no foreseeable compliance risk.

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		<ul style="list-style-type: none"> • Date of maintenance activity • System / area worked on • Scope of work performed • System status before and after maintenance • Defects identified • Corrective actions taken • Outstanding issues (if any) • Technician name and SAQCC registration number <p>Records may be manual or digital. This criterion assesses the Contractor’s ability to support traceability, compliance with Eskom FDS ITM requirements, and long-term asset management.</p>			<p>4 = Compliant with associated qualifications. Sample records are submitted and generally meet requirements but contain minor omissions or inconsistencies. Records remain usable and present acceptable technical risk.</p> <p>2 = Non-compliant. Sample records are submitted but are informal, incomplete, or lack several required fields, resulting in unacceptable risk to traceability, compliance, or effective maintenance management.</p> <p>0 = Totally deficient or non-responsive. No sample maintenance records are submitted, or submissions are irrelevant to Fire Detection System maintenance.</p>
11.	Safety & Regulatory Compliance History	Tender Returnable: Signed Safety & Regulatory Compliance Declaration	7	100	
11.1	Safety and regulatory compliance record over the past three (3) years	The Contractor shall submit a signed declaration confirming its safety and regulatory compliance history for the past three (3) years. The declaration must disclose any reportable safety incidents, regulatory breaches, statutory notices, or enforcement actions related to occupational health and safety, fire safety, or statutory compliance. This criterion evaluates the Contractor’s safety culture,	7	100	<p>5 = Compliant. The Contractor declares no safety or regulatory non-compliance incidents in the past three (3) years. The declaration is signed, complete, and presents no foreseeable safety or compliance risk.</p> <p>4 = Compliant with associated qualifications. Not applicable for this criterion.</p> <p>2 = Non-compliant. Not applicable for this criterion.</p>

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			regulatory discipline, and suitability to work on life-safety-critical systems at Grootvlei Power Station.			0 = Totally deficient or non-responsive. The Contractor declares a history of safety or regulatory non-compliance, or fails to submit a signed declaration, or provides incomplete or misleading information.
12.	Methodology for Identification and Supply of XLS1000 Spares		Tender Returnable: Method statement and supporting process evidence for the supply of XLS1000 spares and compatible alternatives	6	100	
	12.1	The tenderer shall demonstrate a clear and practical methodology for identifying, sourcing, supplying, and controlling Honeywell XLS1000 spares and compatible alternatives required for maintenance of the obsolete XLS1000 Fire Detection System.	The tenderer shall submit, as a minimum: A: Method statement describing the process for identification, verification, sourcing, compatibility assessment and supply of XLS1000 spares and/or alternatives. B: Example of a part verification/checking document, checklist, or internal control sheet showing how part numbers, revisions, compatibility and equipment types are verified. C: Example of traceability or quality control records showing item identification, source traceability, delivery reference and reconciliation controls.	6	100	<p>5 = Compliant. A clear, detailed and practical methodology is submitted with defined controls for part identification, compatibility verification, sourcing, traceability and substitution management. Supporting evidence demonstrates an implemented process with no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Methodology is acceptable but contains minor gaps in detail or supporting evidence. Technical risk remains low to moderate.</p> <p>2 = Non-compliant. Methodology is incomplete, unclear, or lacks defined controls for compatibility verification, traceability or substitution management. Supporting evidence is insufficient and technical risk is unacceptable.</p> <p>0 = Totally deficient or non-responsive. No methodology is submitted, or the submission is vague/generic with no defined controls or supporting evidence.</p>

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13.	Handling, packaging and transportation of XLS1000 electronic equipment		Tender Returnable: Handling, Packaging and Transportation Method Statement and Supporting Evidence	4	4	
	13.1	The tenderer shall demonstrate competence in the handling, packaging, transportation, and traceability of XLS1000 electronic equipment and related spare parts to prevent ESD damage, mechanical damage, moisture/corrosion damage, and incorrect part identification.	The tenderer shall submit, as a minimum: A: Method statement describing packaging, handling, labelling, transportation and traceability controls. B: Evidence of experience or competency in handling electronic or instrumentation equipment. C: Example packaging photographs, labels, or packaging checklists where available.	4	4	<p>5 = Compliant. A clear and practical handling, packaging and transportation methodology is submitted, including controls for ESD protection, mechanical protection, moisture protection, labelling and traceability. Supporting evidence is adequate and presents no foreseeable technical risk.</p> <p>4 = Compliant with associated qualifications. Methodology is acceptable but contains minor gaps in detail or supporting evidence. Risk of damage, incorrect identification or loss of traceability remains low to moderate.</p> <p>2 = Non-compliant. Methodology is incomplete, unclear, or lacks adequate controls for ESD protection, packaging, transportation or traceability. Technical risk is unacceptable.</p> <p>0 = Totally deficient or non-responsive. No methodology is submitted, or the submission is vague/generic with no defined controls or supporting evidence.</p>
				TOTAL: 100		

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TET MEMBER RESPONSIBILITIES

Table 5 identifies the TET members that have been allocated to evaluate each Qualitative criterion (minimum 2 evaluators per criteria / sub-criteria).

Table 5: TET Member Responsibilities

Mandatory Criteria Number	TET 1	TET 2	TET 3	TET 4
1. – 3.	X	X	X	X
Qualitative Criteria Number	TET 1	TET 2	TET 3	TET 4
1. – 12.	X	X	X	X

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3.5 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.5.1 Risks

Table 3: Acceptable Technical Risks

Risk	Description
1.	This is defined for each evaluation criterion in Table 4.
2.	Limited availability of OEM specialist support, provided the contractor has valid OEM certification and a documented escalation path to the OEM.
3.	Delays in fault resolution caused by access restrictions or permit requirements, provided the contractor complies with Eskom site access and safety processes.
4.	Minor gaps in historical FDS documentation, provided the contractor demonstrates the ability to reconstruct records through testing and verification.
5.	Use of mixed manual and electronic maintenance records, provided records are complete, traceable, and available on request.
6.	Limited experience with non-critical legacy FDS components, provided critical system(s) XLS3000) are fully supported by certified personnel.

Table 4: Unacceptable Technical Risks

Risk	Description
1.	This is defined for each evaluation criterion in Table 4.
2.	Absence of OEM certification for XLS3000 systems.
3.	Lack of SAQCC Fire Serviceman accreditation for maintenance personnel.
4.	No defined escalation path for faults beyond the contractor's scope (e.g. EBI or OEM-level issues).

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5.	Inability to access required programming or diagnostic software for XLS3000 panels.
6.	History/Evidence of SLA noncompliance.
7.	History of unresolved safety or regulatory non-compliance related to fire detection systems.

3.5.2 Exceptions / Conditions

Table 5: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	Use of subcontracted OEM-certified personnel, provided formal agreements and proof of certification are submitted.
2.	Calibration certificates for testing tools slightly out of date, provided a current calibration schedule is submitted.
3.	Electronic reporting tools not yet implemented, provided structured manual reports are submitted consistently.
4.	Experience limited to similar OEM platforms, provided XLS3000 training is demonstrably completed.
5.	OEM certification valid but nearing expiry, provided renewal is committed in writing prior to contract award.

Table 6: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	Submission of unverifiable or suspected fraudulent OEM training or competency certificates.
2.	SAQCC registration not valid, expired, or not aligned to the Fire Serviceman category.
3.	Exceptions that reduce system integrity, life safety performance, or regulatory compliance.

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4. AUTHORISATION

This document has been seen and accepted by:

Designation
C&I Snr Supervisor Tech Maintenance
C&I Snr Supervisor Tech Maintenance
C&I Maintenance Line Manager
Acting C&I Engineering Manager
Chief technologist Engineer
C&I System Engineer
C&I System Engineer

5. REVISIONS

Date	Rev.	Remarks
March 2026	1	Complied first draft and submitted for review.
May 2026	2	Added new qualitative criterions for the supply of XLS1000 spares.

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

C&I Engineering Team

7. ACKNOWLEDGEMENTS

C&I Engineering Team

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