



The Provision of services for the Calibration of Lifeloc Breathalyser's units for Transnet Port Terminals (hereinafter referred to as "TPT") for a period of thirty-six (36) months at the Cape Town Container Terminals and Multi-Purpose Terminal.

Table of Contents

Definitions	3
ABBREVIATIONS.....	3
BACKGROUND	3
OVERVIEW	3
SCOPE OF REQUIREMENTS	4
LEGAL REQUIREMENT	5
SPECIFICATIONS OF THE EQUIPMENT (Screening Devices).....	6
CALIBRATION.....	7
ACCREDITATION	7
TRANSPORT	7
PRICING SCHEDULE.....	8

1. Definitions

Service Provider

An employer (organisation) or a person performing any work and has entered into a legal binding business agreement contract to supply a product or provide services to Transnet. This applies to the Suppliers, Vendors, and Consultants, Service providers and Service Providers.

Risk Assessment

A risk assessment in this procedure means the process where all risks associated with the contract and its execution identified, mitigated, and managed.

Specification

A detailed prescription of the Integrated Management System (IMS) requirements to which equipment, construction, product, or service must comply with this includes various models, drawings, and documents. It noted that the specification might even comprise of a multitude of different elements.

2. ABBREVIATIONS

CTMPT: Cape Town multi-Purpose Terminal

TPT: Transnet Port Terminals

OHSA: The Occupational Health and Safety Act

SANS: South African National Standards

OEM: Original Equipment Manufacturer

N.I.S.T: National Institute of Standards and Technology

ISO: International Organization for Standardization

3. BACKGROUND

TPT Cape Town Terminals plays a major role in the Cape Town economy by supplying discharge and loading services for vessels as well as storage of cargo. For this to be possible, TPT Cape Town has in its employment strength of 1300 people. In line with TPT zero tolerance for substance abuse, breathalysing of each employee, visitor and contractor is required upon entry into the terminal as well as testing on incident, reasonable suspicion and random screening. The calibration of these units are required to comply to OHSA health and safety principles and SANS standards.

4. **OVERVIEW**

TPT strives for efficient, effective, world-class cargo handling 24/7, 365 days a year, at each of the 16 terminals situated in seven commercial ports along South Africa's coastline, and the Maritime industry makes a significant economic contribution to both local and national economies.

The selected Service Provider (s) will share in the mission and business objectives of Transnet. These mutual goals will be met by meeting contract requirements and new challenges in an environment of teamwork, joint participation, flexibility, innovation and open communications. In this spirit of partnership, TPT and its Service Provider(s) will study the current ways they do business to enhance current practices and support processes and systems. Such a partnership will allow Transnet to reach higher levels of quality, service and profitability.

5. **SCOPE OF REQUIREMENTS**

The Service Provider shall be required to supply the following items:

Maintenance of Breathalyzer units used to test approximately 2000 entrants/ tests daily.

Annual Calibration of breathalysers.

Reparation of breathalysers on a semester basis and as and when required.

Provide temporary replacement breathalysers during repairs or calibration of each unit.



As per the manufacturer, Lifeloc recommends calibration of Lifeloc FC Breathalyzer once every 12 months regardless of how many tests you perform or at intervals specified by your company's internal policies.

These machines are used daily and as a result the pump needs to be reset before the calibration expires.

6. **LEGAL REQUIREMENT**

The service provider shall comply with all applicable South African legislation including but not limited to occupational health and safety act 1993 (act 85 of 1993)

This is to support Transnet alcohol policy.

Units

Description		Long Description	Unit of Measure
Lifeloc FC20		Lifeloc FC20 with different serial numbers	26
Lifeloc FC10		Lifeloc FC10 with different serial numbers	4
Type of unit	Serial number	Type of unit	Serial number
FC 10	SN14480304	FC 20	SN 16370082
FC 10	SN 14040071	FC 20	SN 23030169
FC 10	SN14060108	FC 20	SN 23030192
FC 10	SN14060109	FC 20	SN 23030187
		FC 20	SN23030194
		FC 20	SN21360043
		FC 20	SN23030196
		FC 20	SN23030175
		FC 20	SN23030186
		FC 20	SN23030193
		FC 20	SN23030174
		FC 20	SN24350037
		FC 20	SN21190073
		FC 20	SN23030181
		FC 20	SN23030183
		FC 20	SN23030188
		FC 20	SN23030190
		FC 20	SN23030170
		FC 20	SN2303184
		FC 20	SN20300189
		FC 20	SN 20300185
		FC 20	SN16370078
		FC 20	SN20320036
		FC20	SN23030191

		FC 20	SN2303171
		FC 20	SN24230061

7. **SPECIFICATIONS OF THE EQUIPMENT (Screening Devices)**

Sensor	Fuel Cell (with 5 Year Warranty)	
Battery	4 M alkaline batteries (Approx. 6000 Test/ 160 On Hours)	
Working Temperature	0° C to 55 ° C	
Storage Temperature	-20 ° C to 70 ° C	
Storage Humidity	Not greater than 95%	
Size	66mm x 127mm x 33mm	
Weight	226g with batteries	
Memory	100 test records	
Sampling System	Passive (NEG/POS) for quick screening without the use of a cup Automatically takes a deep lung sample (1.5 L of Breath) Manual Test Override for uncooperative subjects	
Units of Measure	BAC, BrAC, mg/L, g/100ml etc. (13 different UOM)	
Detection Range	.000 to .600 BAC (0.00 mg/L to 2.8 mg/L)	
Accuracy	0 to 0.100% BAC +/- .005 BAC 0.100 to 0.400% BAC +/- 5%	
Battery Life	Approx. 6000 Tests or 160 on hours	
Display	64 Bit Graphic LCD with Backlight for nighttime use (42mm x 22mm)	
Measuring Modes	Active and Passive	
Response Time	Immediate response on Negative (.000), < 10 seconds on Positive	
Computer interface	Alcomark software	

8. **CALIBRATION**

- Once the contractor has been informed to collect the instruments for calibration/repairs, the instruments must be collected within 2 days from receiving notification.
- Turnaround time is seven working days.
- Calibration certificate to be printed and delivered with the calibrated instrument.
- Calibrated certificates also must be emailed to Security Department.
- Once the instruments have been calibrated it must be returned to Security Department, within two days.
- Purchase orders will be issued on an as and when basis, required throughout the duration of the contract.

9. **ACCREDITATION**

The following accreditation requirements must be met by the service provider for the calibration of portable Breathalyzer equipment.

- **OEM Authorisation.** The service provider must be authorized, trained and certified by the OEM to perform calibration of the relevant devices.
- **IOS 9001L2015.** The service provider performing calibration on Lifelog devices must be ISO 9001:2015 compliant
- **N.I.S.T. Traceable Calibration Gases.** All calibration must be conducted using certified and traceable calibration gases that comply with N.I.S.T (National Institute of Standards and Technology) standards.
- **Certificates of Analysis (COA).** All calibration gas cylinder used must have a valid Certificate of Analysis (COA) which must be available for verification upon request.

10. **TRANSPORT**

Collection and Delivery to the Security Department, TPT Cape Town. This cost must be factored in.

11. PRICING SCHEDULE

Item	Description	UNIT	QTY	RATE YEAR 1	RATE YEAR 2	RATE YEAR 3
1	Calibration per unit LifeLock FC20	Each	1			
2	Calibration per unit LifeLock FC10	Each	1			
3	Pump reset per unit Lifeloc FC20	Each	1			
4	Pump reset per unit Lifeloc FC10	Each	1			
5	Collection & Delivery	Per consignment	1			
		SUB TOTAL				
		VAT@15%				