

QHSE MANAGEMENT SYSTEM



Document Name:

Statistical Techniques Procedure

QHSE Ref. No.

IMS/QHSE/ST/16 Rev.00

Date:

6th of June 2019

STATISTICAL TECHNIQUES PROCEDURE

Rev	Date	Revision Record	Updated by	Reviewed by	Approved by
00	06/06/19	1 st Issuance as per the new version of the standards ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018	3 rd Party	RM	NY



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QHSE MANAGEMENT SYSTEM	<div style="text-align: right;">  <p>SAIFCO Electromechanical Works (LLC)</p> </div>	
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1.0 PURPOSE

This procedure outlines the proper method of applying statistical techniques to the activities of SAIFCO.

2.0 SCOPE

This procedure is to be applied to the use of all statistics for quality control purposes in all Department of Time Electro so as to monitor and measure the performance and process capabilities

3.0 DEFINITIONS

None

4.0 RESPONSIBILITY

All employees of SAIFCO involved in the task of using statistical techniques to control work results are responsible for performing in accordance with this procedure.

Revision of this procedure shall be the responsibility of the Top Management.

5.0 PROCEDURE

5.1 Introduction

Statistical Process Control is one of the management methods Applied by SAIFCO to conduct a process analysis measure quality, and costs of non-conformance, estimate process capability identify and control causes of variation in a process in term of quality, environment and Health and Safety. Where appropriate, statistical techniques should be used to verify acceptability of the process, process capability and service characteristics.

Consideration should also be given to the use of indexes as a measure and costs.

Where appropriate or where required by a contract, specific statistical methods will be used as defined within those specific procedures. Where required in the contract, test results may be presented in a graphical format or as a control chart.

In general, statistical techniques are used as an additional tool for investigations and development, or in projects.

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- Control charts (with statistically derived limits)
- Pareto diagrams and analysis
- Root cause diagrams
- Histograms
- Analysis of variance
- Regression analysis
- Significance tests
- Acceptance sampling tables
- Precision and accuracy limits
- Checklists

5.2.2 Possible Applications:

- Workload
- Delays
- Errors /error rate
- Cost indexes (e.g. cost ratio of communications/administration, hours/job)
- Performance

5.3 VERIFICATION

The activities of personnel with respect to these procedures shall be subject to regular internal audits by the General Manager and/or the Internal Auditors.

6.0 ATTACHMENTS

None