

Cross Reference to Laboratory Management System

Laboratory Name _____ Laboratory Number: _____

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4 General Requirements

4.1 Impartiality

- Structured and managed
- Management commitment
- Impartiality of lab activities
- Identification of risks
- Elimination or minimizing risk

4.2 Confidentiality

- Management of information
- Release of confidential information
- Information from third parties
- Personnel external to the laboratory

5 Structural Requirements

5.1 Legal Entity

5.2 Management with overall responsibility

5.3 Range of Activities

5.4 Meeting requirements

5.5 Organization and management structure

5.6 Responsibility for management system

5.7 Communication from lab management on:

- Effectiveness of management system
- Planned changes.

6 Resource Requirements

6.1 General

6.2 Personnel

- Requirements for internal or external staff
- Document competence requirements
- Competence
- Communication of duties & responsibilities
- Procedures and records
- Authorizations

6.3 Facilities and environmental conditions

- Suitability
- Documentation of requirements
- Monitor, control and record conditions
- Measures to control facilities

6.4 Equipment

- Access
- Outside the lab's permanent control
- Procedure(s) for equipment
- Conformance to requirements
- Capability to produce valid results
- Equipment is calibrated

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6.4 Equipment (Continued)

- Calibration programme
- Labelling of Equipment
- Subject to mishandling or overloading
- Intermediate checks
- Reference values or Correction factors
- Unintended adjustments
- Records

6.5 Metrological traceability

- Established and maintained
- Traceability to the SI
- When traceability to the SI is not possible

6.6 Externally provided products and services

- Use of suitable products and services
- Procedures and records
- Communication of requirements

7 Process Requirements

7.1 Review of requests, tenders and contracts

- Procedure
- Inappropriate method requested
- Statement of conformity
- Differences between request and contract
- Customer informed of deviations
- Amendments
- Clarification of requests
- Records of review

7.2 Selection, verification and validation of methods

- Appropriate methods and procedures
- Current and available
- Latest valid version in use
- Lab selection of methods
- Verification of standard methods
- Method development
- Deviations from methods
- Validation of methods
- Changes to validated methods
- Fit-for-purpose
- Records of validation

7.3 Sampling

- Sampling plan and method
- Sampling method content
- Records

7.4 Handling of test or calibration items

- Procedure
- System for identification
- Deviations from conditions
- Storage conditions

7.5 Technical Records

- Sufficient information
- Amendments to technical records

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<p>7.6 Evaluation of measurement uncertainty</p> <ul style="list-style-type: none"> • Identification of contributions • Evaluation of MU for all calibrations • Evaluation of MU for quantitative results • Estimation of MU for other types of tests 	<hr/> <hr/> <hr/> <hr/> <hr/>
<p>7.7 Ensuring the validity of results</p> <ul style="list-style-type: none"> • Procedure for monitoring • Data recorded to detect trends • PT or inter-laboratory comparisons • Analysis of data to control and improve • Data outside pre-defined criteria 	<hr/> <hr/> <hr/> <hr/> <hr/>
<p>7.8 Reporting of results</p> <ul style="list-style-type: none"> • Results reviewed and authorized • Results reported clearly, unambiguously • Simplified reports • Common requirements for reports • Specific requirements for testing • Calibration certificates • Reporting sampling • Statements of conformity • Opinions and interpretations • Amendments to reports 	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>7.9 Complaints</p> <ul style="list-style-type: none"> • Documented process • Availability of process • Content of process • Responsibility • Acknowledgement of complaint • Impartiality of outcomes • Formal notice of end of process 	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>7.10 Nonconforming work</p> <ul style="list-style-type: none"> • Responsibilities and authorities • Actions based on risk levels • Evaluation of significance • Decision on acceptability • Customer is notified or work recalled • Responsibility for resumption of work • Record retention • Need for corrective action 	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>7.11 Control of data and information management</p> <ul style="list-style-type: none"> • Access to data and information • Validation of LIMS • Protected from unauthorized access • Safeguarded • Complies with specifications • Maintenance • System failures • Off-site providers or operators • Availability of manuals etc... • Calculations and data transfers 	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

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8.0 Management System Requirements

8.1 Options

- Option A
- Option B

8.2 Management System Documentation

- Policies and objectives
- Management commitment
- Supporting procedures and processes
- Access by personnel

8.3 Control of management system documents

- Control of documents
- Approval of documents
- Periodic review
- Changes identified
- Distribution
- Uniquely identification
- Obsolete documents

8.4 Control of records

- Requirement to retain records
- Record integrity

8.5 Risk

- Consideration of risks and opportunities
- Actions to address risks and opportunities
- Actions proportional to impact

8.6 Improvement

- Identify and Select
- Feedback

8.7 Corrective actions

- Correction
- Evaluation of need for corrective action
- Implement corrective action
- Effectiveness
- Update risks and opportunities
- Changes to system, if necessary
- Appropriateness
- Record retention

8.8 Internal audits

- Objectives and frequency
- Audit criteria defined
- Reporting of outcomes
- Follow-up
- Record retention

8.9 Management reviews

- Objectives and frequency
- Inputs
- Outputs
