*This sample manual has been designed for use by a business performing trade measurement work of licence class 4 subclass 4.3 alcoholic beverage measures by the batch as defined in the National Trade Measurement Regulations 2009 and requires a small amount of customisation, assisted by following the instructions below. Where other licence classes/subclasses are held, please use the sample quality manual general template.*

*Instructions:*

1. *Substitute all yellow highlighted sections with appropriate information for your business as described in that highlighted section. The information should be customised to your reflect your business practice where applicable. No yellow should remain once you have completed a section, however where you use information provided in the example you can simply highlight the yellow, select the highlight icon in the top toolbar, then select none.*
2. *All grey highlighted areas (such as this section) are for your information only, provided as a guide. The grey highlighted text* ***should be deleted*** *after you have finished reading and applying the information. No grey text should remain in the document.*
3. *All other sections (no colour) are generic in nature, suitable for most business. You should become familiar with these parts of the document but may leave. Should you feel a section that has no colour does not apply to your business practice, or your business practice differs from that written, please discuss this with NMI before changing/removing.*
4. *The revision record below is used when minor changes/updates are made to the manual. It is used as a summary of the changes and used only AFTER the first issue has been made.*

Quality Manual

of

<insert your registered business & trading name here>

**RELEASE RECORD**

|  |  |  |
| --- | --- | --- |
| **Version No.** | **Version Date** | **Description of change** |
| 1 |  | Initial release |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| Approved By: Quality Management Representative |  |
| Date: *This date should match the date in the footer* |  |

**CONTENTS**

[Introduction 3](#_Toc347233891)

[1 Scope 4](#_Toc347233892)

[2 References 4](#_Toc347233893)

[3 Terms and Definitions 4](#_Toc347233894)

[4 Administration 5](#_Toc347233895)

[4.1 Quality Management Policy 5](#_Toc347233896)

[4.2 Management Representative 5](#_Toc347233897)

[4.3 Training 6](#_Toc347233898)

[4.4 Responsibility and Authority 6](#_Toc347233899)

[4.5 Document Control 6](#_Toc347233900)

[4.6 NMI Forms 6](#_Toc347233901)

[4.7 Records 7](#_Toc347233902)

[4.8 Corrective/Preventive Action 8](#_Toc347233903)

[4.9 Audit 8](#_Toc347233904)

[5 Verification Activity 8](#_Toc347233905)

[5.1 Test Procedure 8](#_Toc347233906)

[5.2 Certificate of Approval 8](#_Toc347233907)

[5.3 Reference Standards 9](#_Toc347233908)

[5.4 Verification Mark 9](#_Toc347233909)

[Appendix A 10](#_Toc347838584)

[Responsibilities & Authorities 10](#_Toc347838585)

[Appendix B 11](#_Toc347838586)

[Corrective/Preventive Action Form 11](#_Toc347838587)

[Appendix C 12](#_Toc347838588)

[Audit Form 12](#_Toc347838589)

[Appendix D 13](#_Toc347838590)

[Physical Standards 13](#_Toc347838591)

[Appendix E 14](#_Toc347838592)

[Histogram 14](#_Toc347838593)

# Introduction

*In accordance with Regulation 2.43(22) of the National Trade Measurement Regulations 2009, it is a condition of licence that a servicing licensee maintains a quality management system in an approved form. Other conditions should be addressed throughout the quality management system as required.*

Quality management systems are established to provide focus and direction within an organisation; to have a positive impact on operational effectiveness resulting in a high quality product or service.

This quality manual is a controlled document forming the framework of the quality management system of <insert company name> operating from <insert the street address of the head office of the business>, and relates only to licensed trade measurement work under the servicing licence number SL-<insert licence number> issued by the National Measurement Institute (NMI).

*Remove the next paragraph and dot point where the licence is for one address only*

Other operational locations for this licence are:

* <insert each street address **associated with the operation of the licence**, one per dot point>

This licence permits competent and authorised persons to verify approved instruments of licence subclass:

* 4.3 – Alcoholic beverage measures (drinking and portable)

# Scope

This quality manual is the responsibility of all employees engaged in trade measurement work and includes:

* a statement of the organisation’s commitment to the Quality Management System;
* a description of the roles and responsibilities of the organisation’s personnel associated with trade measurement work;
* a summary of reference document access, storage and control;
* provisions for maintaining training records;
* standards for equipment handling; and
* provisions related to internal/external review and audit.

# References

*Below is a list of typical reference documents for a business who holds a licence to verify instruments under licence subclass 4.3.*

The following is a list of core documents referenced throughout the Quality Management System and/or used by the organisation:

* *National Measurement Act 1960*
* *National Measurement Regulations 1999*
* *National Trade Measurement Regulations 2009*
* Relevant certificate/s of approval, typically 4/1/0D
* Licensing directives, newsletters and forms issued by NMI
* General Information for Test Procedures
* NITP 4.3 – National Instrument Test Procedures for Alcoholic Beverage Measures
* Quality Manual (this document)
* <insert any internal verification procedures, one dot point for each one>

# Terms and Definitions

Terms and definitions are documented in the reference document “General Information for Test Procedures”. Additionally, abbreviations are defined throughout this quality manual as required.

# Administration

## 4.1 Quality Management Policy

*A “quality management policy” is a company’s statement of intent. The statement spells out a Servicing Licensee’s intention and direction with regard to quality management and how it is applied in its business activities. Any reference to the types and classes of measuring instruments included in the scope of the quality management system must correspond to one or more of the classes of measuring instruments for which a Servicing Licence may be issued. The following statement is an example only and may be customised, but does contain minimum information you should include.*

<Insert company name> has experience and expertise in testing alcoholic beverage measures by the batch.

It is our policy to ensure that any work carried out within the scope of the servicing licence complies with the requirements of the *National Measurement Act 1960* as administered by the National Measurement Institute.

Each employee involved in trade measurement work has a responsibility to demonstrate a continuing commitment to our policies and procedures, ensuring that they are implemented and maintained across all of our trade measurement activities.

## 4.2 Management Representative

*Management representation is one of the most important elements of the Quality Management System. It provides endorsement in the form of a statement nominating a specific person taking primary responsibility for the quality management system and for compliance with the National Measurement Act 1960 on behalf of the licence. The nominated person must have the responsibility and authority to implement and enforce the company’s quality policies with the support and backing of the company director.*

<Insert nominated management representative’s name> is hereby appointed as management representative for the purposes of the quality management system.

The Management Representative has the full support of company management to establish, implement and maintain the quality management system in accordance with this Quality Manual, the *National Measurement Act 1960* and any conditions or directives issued by NMI in order to ensure continued accreditation as a Servicing Licensee.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Date: \_\_\_\_/\_\_\_\_/\_\_\_\_**

**Endorsement of Quality Policy and**

**Management Representative by Director**

## 4.3 Training

Section 18NH(b) of the *National Measurement Act 1960* imposes a condition on all servicing licensee holders that they must not employ a person to verify a measuring instrument unless he or she is competent to do so.

Employees authorised to verify alcoholic beverage measures by batch under the servicing licence are referenced in the section Responsibility and Authority below.

To be authorised, the employee must have obtained a statement of attainment for the units of competency “Use and maintain reference standards” and “Verify simple measures” from NMI (see NMI website for further information). Employees who have not obtained the statement of attainment can not verify under the licence.

Training records are maintained for each employee involved in trade measurement work which includes a copy of any statement of attainments held.

## 4.4 Responsibility and Authority

Responsibility and authority of all employees involved in verification of alcoholic beverage measures by batch is summarised in <insert the location of the employee responsibility and authority records. This can be within this document as an Appendix (see Appendix A) or in an external document such as a spreadsheet or table, where you would define the name of the document and the location (eg “the excel spreadsheet Trade Measurement Staff located on the computer network under administration/staff” or similar)>.

NMI must be notified of any change to an employee’s authority to verify a batch within 14 days of the change occurring using NMI Form C. This includes both the employment of a new verifier, ceasing of the employment of an existing verifier or a change in residential address.

At least one director/owner may be subject to a national police check when applying for or renewing the licence to demonstrate they are a fit and proper person to hold a servicing licence.

## 4.5 Document Control

Only controlled documents may be referenced for trade measurement work as listed in Section 2 above. Documents may be filed in printed or electronic form, or may be accessed online via the NMI website as required.

Filed documents shall be checked for currency before use, and the version, title, location and distribution identified and recorded.

Where a controlled document is in printed form, it shall be reviewed and authorised before use, identified by the dated signature of the management representative on the front cover.

Where a document has been superseded or updated, all controlled copies shall be replaced and/or updated and superseded versions destroyed or deleted. If a superseded document is to be kept for any reason, it shall be marked prominently as “SUPERSEDED” and filed/stored separately to the current version.

Changes to documents shall be acknowledged by the custodian of the document via email to the management representative confirming both receipt of the new/revised document and removal from use of the superseded document.

## 4.6 NMI Forms

The following electronic forms, as provided by NMI, are used to communicate with NMI via email for matters related to the servicing licence, all sections of the relevant form shall be completed or marked “NA” prior to submission and a copy of the submitted form and associated attachments retained for a minimum of three years (electronic or printed):

* Form A – Servicing licence application
* Form B – Regulation 13 notification
* Form C – Verifier registration or deregistration
* Form 6 – Notification of Instrument Verification or Non Verification Form (for a small number of instruments in a 14 day period at the same premises)
* Form 6A – Notification of Instrument Verification or Non Verification Form (for a large number of instruments in a 14 day period from multiple premises)

## 4.7 Records

All records required to be held under the *National Measurement Act 1960*:

* Are securely retained in a permanent, retrievable form for at least three years (whether electronic or printed);
* Are backed up regularly when electronic;
* Are legible and directly traceable to the items verified; and
* Are available to NMI for review.

*Whenever a batch of measures is verified,* ***BOTH*** *the batch owner* ***AND*** *NMI must be notified of the verification in writing within 14 days.* Where a Notice of Verification is completed, <insert the company’s procedure for using and submitting NMI Form 6 or 6A. Include the responsibility for completion of the form, submission to NMI (and the batch owner where applicable), all within 14 days of the verification>. The form MUST be received by NMI within 14 days of the batch verification being completed.

Where a Notice of Non-verification is completed, the batch owner MUST be advised verbally that the batch does not comply with the *National Measurement Act 1960* and its use for trade is not permitted. A written copy of the notice MUST be supplied to the batch owner immediately after testing is complete and be received by NMI within 14 days of the batch non-verification.

Each batch tested under licence subclass 4.3 is required to have a histogram completed. The histogram MUST be received by NMI with the Notice of Verification (NMI Form 6 or 6A) within 14 days of the verification being completed. A sample histogram is available <insert location of sample histogram (eg “at Appendix E” or “in the Appendix of the appropriate NITP” or other location as required)>.

Other required records are defined throughout this quality manual.

## 4.8 Corrective/Preventive Action

Customer feedback, complaints, staff suggestions for quality management system improvements and detected deficiencies in testing and/or results should be recorded using the Corrective/Preventive Action Form (see Appendix B).

Complete the relevant sections of the form and forward to the Management Representative (see section 4.2 above), responsible for maintaining a file of corrective and preventive actions, who shall investigate appropriately, recording the results of the evaluation, including any cause conclusion reached and actions taken to rectify or prevent further occurrence.

The contents of the corrective/preventive action file shall be considered when the quality system is reviewed, to assess whether the nominated actions have been effective.

## 4.9 Audit

Compliance audits are performed to determine the extent to which verification work is complying with written procedures and servicing licence conditions. These audits are performed both internally by our own staff and externally by NMI.

Internal audits are performed at least annually using the Audit Form (see Appendix C). The Management Representative maintains the audit schedule and records.

# Verification Activity

## 5.1 Test Procedure

Verification of alcoholic beverage measures by batch MUST be performed in accordance with the National Instrument Test Procedure (NITP) 4.3 as specified by the NMI, but only those within the scope of our licence regardless of experience or expertise.

All alcoholic beverage measures to be verified by the batch must perform within the applicable Maximum Permissible Error (MPE) at the time of Verification as defined in the *National Trade Measurement Regulations 2009*, the NITP and the Certificate of Approval (CoA). Where the MPE differs between the documents, the smallest MPE shall be applied.

*Where your company has internal work instructions describing the work performed to verify a batch, insert those details here, one paragraph for each instruction. Otherwise delete the following paragraph.*

Refer to <insert the internal procedure/instruction details as required (eg work instruction “batch verification”)> for specific verification instructions.

## 5.2 Certificate of Approval

Every alcoholic beverage measure presented for verification by the batch must be of an approved pattern and have a CoA, typically general CoA NMI 4/1/0D. If the instrument does not comply with the CoA, verification of the batch can NOT be conducted unless the compliance issue is resolved.

Access to the latest CoA is via the NMI website, [www.measurement.gov.au/publications](http://www.measurement.gov.au/publications).

## 5.3 Reference Standards

All reference standards of measurement must meet the equipment requirements outlined in the relevant NITP, including class and MPE specifications. Thermometers used to perform verifications must, as a minimum, have a NATA endorsed certificate, while all other reference standards of measurement used to perform verifications shall be verified by a Verifying Authority under Regulation 13 of the *National Measurement Regulations 1999*.

If a reference standard of measurement has passed the expiry date shown on the certificate or is damaged in any way, it shall be tagged or labelled, quarantined and must NOT be used until it is repaired and/or tested and a new certificate issued.

Refer to the reference standards of measurement list <insert the location of the list of reference standards of measurement. This can be within this document as an Appendix (eg “in Appendix D”) or in an external document such as a spreadsheet or table, where you would define the name of the document and the location (eg “in the excel spreadsheet Reference Standards located on the computer network under verification/equipment”) or similar> *No matter the location of the list, the list should contain as a minimum the denomination, class, identification, certificate no., verification date and expiry date.*

NMI shall be notified of changes to reference standards of measurement within 14 days of the change occurring using NMI Form B and/or supplying a copy of the latest standards list. Changes include replacement, re-verification, calibration or decommissioning. Unless the certificate is issued by NMI, submit a new copy of the relevant certificate(s) with NMI Form B and/or the latest standards list.

## 5.4 Verification Mark

Alcoholic beverage measures verified by the batch are verified when a verifier is satisfied the batch is within the appropriate MPE, is of an approved pattern and is marked with a batch verification mark. This is done in conjunction with the completion of NMI Form 6 or 6A, Notice of Verification of a Measuring Instrument.

The batch verification mark shall be in the form of a stylised scale mark (see typical example below) combined with the allocated servicing licensee mark. It is permitted that the batch test mark be applied during manufacture.



NMI has allocated the servicing licensee mark “<insert 3 letter licensee mark>”.

All markings shall be in accordance with the requirements of the certificate of approval.

Where alcoholic beverage measures tested by the batch are marked prior to verification and are subsequently found to be either outside of the MPE or do not meet the requirements of the approved pattern, the entire batch should be quarantined for destruction.

Appendix A

Responsibilities & Authorities

| Name | Job Position / Reports to | Responsibilities | Allocation of Reference Documents & Forms |
| --- | --- | --- | --- |
| <insert name of director/verifier> | <insert position title of staff member> / <insert who the staff member reports to in the table> | The following are some examples of points to use for staff responsibilities in this column depending on persons role within your companyManagement RepresentativeResponsible for maintaining accreditation of company, and compliance with Trade Measurement requirements including –* drafting policy on quality;
* ensuring resource documents are kept up to date;
* the quality of verification work carried out by the business;
* meeting regulatory obligations as stated in the *National Measurement Act 1960*;
* recording customer complaints and non-conformances relating to Trade Measurement verifications and implementing corrective actions to prevent any recurrence.

Reviewing the ongoing suitability of the quality system.Responsible for recording, filing and data entry.Responsible for accessing information relating to currency of certificates of approval.Responsibility for service activity of company and supervision of technicians.Verification of measuring instruments within the bounds of the Servicing Licence, verifier number <insert the staff members verifier registration number ie VR-0234> | All documents listed under section 2 of this quality manual |
| <insert name of staff member> | <insert position title of staff member> | This may be an administration officer, a verifier or any other person involved in the business. <insert any trade measurement responsibilities of the staff member (this includes verification duties if applicable)> |  |
|  |  |  |  |

Appendix B

Corrective/Preventive Action Form

**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**Details:** (attach any letters/emails as required)

|  |
| --- |
|  |
|  |
|  |
|  |

**Seriousness:** Critical ( ) Major ( ) Minor ( )

**Comments:** (including any suggestions or immediate action taken)

|  |
| --- |
|  |
|  |
|  |
|  |

**Results of Evaluation:** (including any cause conclusion if applicable)

|  |
| --- |
|  |
|  |
|  |
|  |

**Likelihood of Recurring**: Certain ( ) High ( ) Low ( )

**Action Taken:** (Not necessary when a minor issue has a low likelihood of recurring)

|  |
| --- |
|  |
|  |
|  |
|  |

Person Responsible: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Agreed Completion Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Follow Up Results

I have checked the implementation of the corrective/preventive actions and found the actions to be effective.

Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Management Representative) Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Appendix C

Audit Form

**Auditor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \*Result (R): C = Compliant; NC = Non-compliant; NA = Not Applicable)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Section Title** | **R\***  | **Comments** | **Date Rectified (if applicable)** | **QMR Sign-off (if applicable)** |
| 1 | Introduction |  |  |  |  |
| 2 | References |  |  |  |  |
| 3 | Terms and Definitions |  |  |  |  |
| 4.1 | Quality Management Policy |  |  |  |  |
| 4.2 | Management Representative |  |  |  |  |
| 4.3 | Training |  |  |  |  |
| 4.4 | Responsibility and Authority |  |  |  |  |
| 4.5 | Document Control |  |  |  |  |
| 4.6 | NMI Forms |  |  |  |  |
| 4.7 | Records |  |  |  |  |
| 4.8 | Corrective/Preventive Action |  |  |  |  |
| 4.9 | Audit |  |  |  |  |
| 5.1 | Test Procedure |  |  |  |  |
| 5.2 | Certificate of Approval |  |  |  |  |
| 5.3 | Reference Standards |  |  |  |  |
| 5.4 | Verification Mark |  |  |  |  |

Appendix D

Physical Standards

Populate the table with information from the Regulation 13 certificates / NATA certificates of all measurement standards used for verification work as per example in first row

At minimum, the table should contain standards covering the equipment lists shown in the relevant NITP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Certificate Nos | Description | Serial No. | No. of Items | Class | Date of Verification | Expiry Date | Allocated To |
| ABC123 | Box Set of brass masses50 mg – 10 kg | XYZ | 20 | Inspectors3 | 1/7/2012 | 1/7/2014 | Joe Bloggs |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Appendix E

Histogram

If you have a customised histogram used by your company, insert it here. If you currently use the histogram sample available at appendix A of NITP 4.3, delete this appendix and remove references to this appendix from section 4.7 above.