



# **COMPETENCY STANDARD FOR QUALITY CONTROL MANAGEMENT**

**Level: 4**

**(RMG & Textile Sector)**

**Competency Standard Code: CS-RMGT-QCM-L4-EN-V2**



**National Skills Development Authority  
Chief Adviser's Office  
Government of the People's Republic of Bangladesh**



## Copyright

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This Competency Standard for Quality Control Management is a document for the development of curricula, teaching and learning materials, and assessment tools. It also serves as the document for providing training consistent with the requirements of industry in order to meet the qualification of individuals who graduated through the established standard via competency-based assessment for a relevant job.

This document has been developed by NSDA in association with RMG and Textile Sector, industry representatives, academia, related specialist, trainer and related employee.

Public and private institutions may use the information contained in this standard for activities benefitting Bangladesh.

## Introduction

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The NSDA aims to enhance an individual's employability by certifying completeness with skills. NSDA works to expand the skilling capacity of identified public and private training providers qualitatively and quantitatively. It also aims to establish and operationalize a responsive skills ecosystem and delivery mechanism through a combination of well-defined set of mechanisms and necessary technical supports.

Key priority economic growth sectors identified by the government have been targeted by NSDA to improve current job skills along with existing workforce to ensure required skills to industry standards. Training providers are encouraged and supported to work with industry to address identified skills and knowledge to enable industry growth and increased employment through the provision of market responsive inclusive skills training program. "**Quality Control Management**" is selected as one of the priority occupations of RMG and Textile Sector . This standard is developed to adopt a demand driven approach to training with effective inputs from Industry Skills Councils (ISC's), employer associations and employers.

Generally, a competency standard informs curriculum, learning materials, assessment and certification of trainees enrolled in Skills Training. Trainees who successfully pass the assessment will receive a qualification in the National Skills Qualification Framework (NSQF) under Bangladesh National Qualification Framework and will be listed on the NSDA's online portal.

This competency standard is developed to improve skills and knowledge in accordance with the job roles, duties and tasks of the occupation and ensure that the required skills and knowledge are aligned to industry requirements. A series of stakeholder consultations, workshops were held to develop this document.

The document also details the format, sequencing, wording and layout of the Competency Standard for an occupation which is comprised of Units of Competence and its corresponding Elements.

## Overview

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A competency standard is a written specification of the knowledge, skills and attitudes required for the performance of an occupation, trade or job corresponding to the industry standard of performance required in the workplace.

The purpose of a competency standards is to:

- provide a consistent and reliable set of components for training, recognising and assessing people's skills, and may also have optional support materials
- enable industry recognised qualifications to be awarded through direct assessment of workplace competencies
- encourage the development and delivery of flexible training which suits individual and industry requirements
- encourage learning and assessment in a work-related environment which leads to verifiable workplace outcomes

Competency standards are developed by a working group comprised of representative from NSDA, Key Institutions, ISC, and industry experts to identify the competencies required of an occupation in RMG and Textile Sector .

Competency standards describe the skills, knowledge and attitude needed to perform effectively in the workplace. CS acknowledge that people can achieve technical and vocational competency in many ways by emphasizing what the learner can do, not how or where they learned to do it.

With competency standards, training and assessment may be conducted at the workplace or at training institute or any combination of these.

Competency standards consist of a number of units of competency. A unit of competency describes a distinct work activity that would normally be undertaken by one person in accordance with industry standards.

Units of competency are documented in a standard format that comprises of:

- unit title
- nominal duration
- unit code
- unit descriptor
- elements and performance criteria
- variables and range statement
- curricular content guide
- assessment evidence guide

Together, all the parts of a unit of competency:

- describe a work activity
- guide the assessor to determine whether the candidate is competent or not yet competent

The ensuing sections of this document comprise of a description of the relevant occupation, trade or job with all the key components of a unit of competency, including:

- a chart with an overview of all Units of Competency for the relevant occupation, trade or job including the Unit Codes and the Unit of Competency titles and corresponding Elements
- the Competency Standard that includes the Unit of Competency, Unit Descriptor, Elements and Performance Criteria, Range of Variables, Curricular Content Guide and Assessment Evidence Guide.

## Competency Standards for National Skill Certificate, Level-4 in Quality Control Management in RMG and Textile Sector

### Level Descriptors of BNQF (1-6)

Level & Job classification	Knowledge Domain	Skills Domain	Responsibility Domain
6-Mid-Level Manager/ Sub Assistant Engineer	Comprehensive actual and theoretical knowledge within a specific work or study area with an awareness of the validity and limits of that knowledge, able to analyse, compare, relate and evaluate.	Specialised and wider range of cognitive and practical skills required to provide leadership in the development of creative solutions to defined problems. Communicate professional issues and solutions to the team and to external partners/users.	Work under broad guidance and self-motivation to execute strategic and operational plan/s. Lead lower-level management. Diagnose and resolve problems within and among work groups.
5-Supervisor	Broad knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to scrutinize and break information into parts by identifying motives or causes.	Broad range of cognitive and practical skills required to generate solutions to specific problems in one or more work or study areas. Communicate practice-related problems and possible solutions to external partners.	Work under guidance of management and self-direction to resolve specific issues. Lead and take responsibility for the work and actions of group/team members. Bridge between management.
4-Highly Skilled Worker	Broader knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to solve problems to new situations by comparing and applying acquired knowledge.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying the full range of methods, tools, materials and information. Communicate using technical terminology and IT technology with partners and users as per workplace requirements.	Work under minimal supervision in specific contexts in response to workplace requirements. Resolve technical issues in response to workplace requirements and lead/guide a team/ group.
3-Skilled Worker	Moderately broad knowledge in a specific work or study area, able to perceive ideas and abstract from drawing and design according to workplace requirements.	Basic cognitive and practical skills required to use relevant information in order to carry out tasks and to solve routine problems using simple rules and tools. Communicate with his team and limited external partners upholding the values, nature and culture of the workplace	Work or study under supervision with considerable autonomy. Participate in teams and responsible for group coordination.
2-Semi Skilled Worker	Basic understanding of underpinning knowledge in a specific work or study area, able to interpret and apply common occupational terms and instructions.	Skills required to carry out simple tasks, communicate with his team in the workplace presenting and discussing results of his work with required clarity.	Work or study under supervision in a structured context with limited scope of manipulation
1 –Basic Skilled Worker	Elementary understanding of ability to interpret the underpinning knowledge in a specific study area, able to interpret common occupational terms and instructions.	Specific Basic skills required to carry out simple tasks. Interpret occupational terms and present the results of own work within guided work environment/ under supervision.	Work under direct supervision in a structured context with limited range of responsibilities.

## List of Abbreviations

CS	Competency Standard
ISC	Industry Skills Council
NSDA	National Skills Development Authority
NSQF	National Skills Qualifications Framework
OSH	Occupational Safety and Health
PPE	Personal Protective Equipment
SCVC	Standards and Curriculum Validation Committee
STP	Skills Training Provider
SOP	Standard Operating Procedure
UoC	Unit of Competency

## **Approval of Competency Standard (Reviewed)**

Approved by  
40<sup>th</sup> Authority Meeting of NSDA  
Held on 26.02.2025



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**Competency Standards for National Skill Certificate, Level-4 in  
Quality Control Management in RMG and Textile Sector**

**Course Structure**

SL No	Unit code and Title		UOC Level	Nominal (hours)
Generic Units of Competencies				
1.	GU-01-L3-V1	Apply Basic IT Skills	3	20
Sub Total				20
Occupation Specific Units of Competencies				
2.	OU-RMGT-QCM-01-L4-EN-V2	Interpret Quality Control and Quality Assurance	4	20
3.	OU-RMGT- QCM-02-L4-EN-V2	Interpret Garments and Garments Construction	4	30
4.	OU-RMGT- QCM-03-L4-EN-V2	Interpret Clothing Material Types and Inspection	4	30
5.	OU-RMGT- QCM-04-L4-EN-V2	Illustrate Department Wise Quality Check Points and Inspection	4	40
6.	OU-RMGT-QCM-05-L4-EN-V2	Identify Defects in Raw Materials and Possible Remedies	4	30
7.	OU-RMGT-QCM-06-L4-EN-V2	Perform Final Inspection	4	30
8.	OU-RMGT-QCM-07-L4-EN-V2	Carry out Products Safety and Problem Solving	4	50
Sub Total				230
Workplace visit				20
Total Duration				280

## Units & Elements at Glance

### Generic Competencies

Code	Unit of competency	Elements of competency	Duration (hours)
GU-01-L3-V1	Apply Basic IT Skills	<ol style="list-style-type: none"><li>1. Identify and use most commonly used IT Tools</li><li>2. Operate Computer</li><li>3. Work with word processing software</li><li>4. Use spread sheet packages to create /prepare worksheets</li><li>5. Use presentation packages to create / prepare presentation</li><li>6. Print the documents</li><li>7. Use the Internet and Access E-Mail</li></ol>	20
Total hours			20

## Occupation specific competencies

Code	Unit of competency	Elements of competency	Duration (hours)
OU-RMGT-QCM-01-L4-EN-V2	Interpret Quality Control and Quality Assurance	<ol style="list-style-type: none"> <li>1. Interpret quality concepts</li> <li>2. Identify the structure and organogram of quality department</li> <li>3. Identify the tools and equipment for quality control</li> </ol>	20
OU-RMGT-QCM-02-L4-EN-V2	Interpret Garments and Garments Construction	<ol style="list-style-type: none"> <li>1. Identify garment types, parts and points</li> <li>2. Interpret garments operation breakdown</li> <li>3. Interpret sewing machine and stitch</li> </ol>	30
OU-RMGT-QCM-03-L4-EN-V2	Identify Clothing Material Types and perform Inspection	<ol style="list-style-type: none"> <li>1. Identify types of fabrics and Production processes</li> <li>2. Perform fabric inspection</li> <li>3. Interpret various types of trims and accessories</li> <li>4. Perform trims and accessories inspection</li> <li>5. Perform inspection of embellishment</li> </ol>	30
OU-RMGT-QCM-04-L4-EN-V2	Perform Department Wise Quality Check and Inspection	<ol style="list-style-type: none"> <li>1. Carryout quality in store</li> <li>2. Carry out quality check in samples</li> <li>3. Perform quality in cutting</li> <li>4. Perform quality control in sewing</li> <li>5. Check quality of garments wash</li> <li>6. Check quality in finishing and packing</li> </ol>	40
OU-RMGT-QCM-05-L4-EN-V2	Identify Defects and Possible Remedies	<ol style="list-style-type: none"> <li>1. Identify common fabric faults</li> <li>2. Identify trims and accessories faults</li> <li>3. Identify garment defects and remedies</li> <li>4. Interpret garment zone and defects classification</li> </ol>	30
OU-RMGT-QCM-06-L4-EN-V2	Perform Final Inspection	<ol style="list-style-type: none"> <li>1. Interpret rules of Acceptable Quality Level (AQL)</li> <li>2. Carryout Pre-work for final Inspection</li> <li>3. Perform final inspection</li> <li>4. Use quality formats</li> </ol>	30

OU-RMGT-QCM-07-L4-EN-V2	Carry Out Products Safety and Problem Solving	<ol style="list-style-type: none"> <li>1. Practice 5S System</li> <li>2. Maintain Broken Needle and sharp tools Policy</li> <li>3. Interpret C-TPAT</li> <li>4. Apply Root Cause Analysis</li> <li>5. Interpret Different Garment Tests</li> <li>6. Practice Lean Tools</li> </ol>	50
<b>Total Hours</b>			<b>230</b>

## **Generic Units of Competencies**

<b>Unit Code and Title</b>	<b>GU-01-L3-V1: Apply Basic IT Skills</b>
<b>Nominal Hours</b>	<b>20 Hours</b>
<b>Unit Descriptor</b>	<p>This unit covers the knowledge, skills and attitude required to apply basic IT skills.</p> <p>It specifically includes Identifying and using most commonly used IT Tools, operating computer, working with word processing software, using spread sheet packages to create /prepare worksheets, using presentation packages to create / prepare presentation, Print the documents and Use the Internet and Access E-Mail.</p>
<b>Elements of Competency</b>	<p><b>Performance Criteria</b>  <b><u>Bold and Underlined</u></b> terms are elaborated in the Range of Variables Training Components.</p>
1. Identify and use most commonly used IT Tools	<p>1.1 Context of IT is interpreted</p> <p>1.2 Commonly used <b><u>IT tools</u></b> are identified</p> <p>1.3 Safe work practice and OSH Standards are followed</p>
2. Operate Computer	<p>2.1 <b><u>Peripherals</u></b> are checked and connected with computer as per standard</p> <p>2.2 Power cords / adapter are connected with computer and power outlets socket safely.</p> <p>2.3 Computer is switched on gently.</p> <p>2.4 PC <b><u>desktop / GUI</u></b> settings are arranged and customized as per requirement.</p> <p>2.5 Files and folders are created, opened, copied, renamed, deleted and sorted as per requirement.</p> <p>2.6 Properties of files and folders are viewed and searched.</p> <p>2.7 Disks are defragmented, formatted as per requirement.</p>
3. Work with word processing software	<p>3.1 Word Processing software is selected and started</p> <p>3.2 Basic typing technique is demonstrated</p> <p>3.3 <b><u>Documents</u></b> are created as per requirement in personal use and office environment</p> <p>3.4 <b><u>Contents</u></b> are entered.</p> <p>3.5 Documents are <b><u>formatted</u></b>.</p> <p>3.6 Paragraph and page settings are completed</p> <p>3.7 Saving and retrieving technique of a document are interpreted</p>
4. Use spread sheet packages to create /prepare worksheets	<p>4.1 Spread sheet packages are selected and started.</p> <p>4.2 Worksheets are created as per requirement in Personal use and office environment.</p> <p>4.3 Data are entered</p>



	<p>4.4 <b><u>Functions</u></b> are used for calculating and editing logical operation</p> <p>4.5 <b><u>Sheets</u></b> are formatted as per requirement.</p> <p>4.6 <b><u>Charts</u></b> are created.</p> <p>4.7 Charts/ Sheets are previewed</p>
5. Use presentation packages to create / prepare presentation	<p>5.1 Appropriate presentation software packages are selected and started</p> <p>5.2 Presentation are created as per requirement in personal use and office environment</p> <p>5.3 Image, Illustrations, text, table, symbols and media are entered as per requirements.</p> <p>5.4 Presentations are formatted and animated.</p> <p>5.5 Presentations are previewed.</p>
6. Print the documents	<p>6.1 Printer is connected with computer and power outlet properly.</p> <p>6.2 Power is switched on at both the power outlet and printer.</p> <p>6.3 Printer is installed and added.</p> <p>6.4 Correct printer settings are selected and document is printed.</p>
7. Use the Internet and Access E-Mail	<p>7.1 Appropriate internet browsers are selected</p> <p>7.2 Search engines are used to access information</p> <p>7.3 Video / Information are Shared /downloaded / uploaded from / to web site/social media.</p> <p>7.4 Web based resources are used</p> <p>7.5 Email services are identified and selected to create a new email address</p> <p>7.6 Document is prepared, attached and sent to different types of recipient.</p> <p>7.7 Email is read, forwarded, replied and deleted as per requirement.</p> <p>7.8 Custom email folders are created and manipulated.</p> <p>7.9 Email message is printed.</p>
<b>Range of Variables</b>	
<b>Variable</b>	<b>Range (may include but not limited to):</b>
1. Peripherals	<p>1.1 Monitor</p> <p>1.2 Keyboard</p> <p>1.3 Mouse</p> <p>1.4 Modem</p> <p>1.5 Scanner</p> <p>1.6 Printer</p>

2. Desktop / GUI settings	2.1 Icons 2.2 Taskbar 2.3 View 2.4 Resolutions
3. Documents	3.1 Word documents 3.2 Standard CV / Bio-Data with different text & fonts, image and table. 3.3 Application / Official letter with proper paragraph and indenting, spacing, styles, Illustrations, Tables, Header & Footers and symbols. 3.4 Standard report / newspaper items with column, footnote and endnote, drop cap, indexing and page numbering.
4. Contents	4.1 Illustrations and styles 4.2 Text 4.3 Table 4.4 Symbols 4.5 Header & Footer
5. Formatted.	5.1 Bold 5.2 Italic 5.3 Underline 5.4 Font size, colour, 5.5 Change case 5.6 Alignment and intend
6. Functions	6.1 Mathematics 6.2 Logical 6.3 Simple Statistical
7. IT tools	7.1 Phone 7.2 Cell Phone 7.3 TABs 7.4 Radio 7.5 Television 7.6 Computers 7.7 Laptops 7.8 Notebooks 7.9 Internet 7.10 Software 7.11 Satellite
8. Browsers	8.1 Internet Explorer 8.2 Firefox 8.3 Google Chrome 8.4 Opera 8.5 Safari 8.6 Omni Web

**Evidence Guide**

The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.

1. Critical Aspects of Competency	<p>Assessment required evidence that the candidate:</p> <ul style="list-style-type: none"><li>1.1 Followed OSH Standard and Safe Work Procedures.</li><li>1.2 Created, opened, copied, renamed, deleted and sorted files and folders as per requirement.</li><li>1.3 Completed application software Installations properly</li><li>1.4 Performed simple trouble shooting with Computer</li><li>1.5 Demonstrated typing on word processing software, save and retrieve documents</li><li>1.6 Used functions for calculating and editing logical operation in spread sheet.</li><li>1.7 Configured appropriate printer settings and printed the document.</li><li>1.8 Demonstrated ability to create email accounts.</li><li>1.9 Demonstrated ability to use email account for different online purpose</li></ul>
2. Underpinning Knowledge	<ul style="list-style-type: none"><li>2.1 Basic competent of PC</li><li>2.2 IT and IT Tools</li><li>2.3 Different type of software and application packages</li><li>2.4 Use of word processor, spread sheet and presentation software</li><li>2.5 Different type of math and logical functions</li><li>2.6 Computer Trouble Shooting</li><li>2.7 Techniques to access internet</li></ul>
3. Underpinning Skills	<ul style="list-style-type: none"><li>3.1 Identifying and use IT Tools</li><li>3.2 Demonstrating simple trouble shooting with Computer</li><li>3.3 Demonstrating typing on word processing software</li><li>3.4 Saving and retrieving documents on Word Processing software.</li><li>3.5 Demonstrated ability to create email accounts</li><li>3.6 Opening an email account and use it for different purpose.</li><li>3.7 Configured appropriate printer settings and printed the document</li><li>3.8 Used functions for calculating and editing logical operation in spread sheet</li></ul>
4. Underpinning Attitudes	<ul style="list-style-type: none"><li>4.1 Commitment to occupational health and safety</li><li>4.2 Environmental concerns</li><li>4.3 Eagerness to learn</li><li>4.4 Tidiness and timeliness</li><li>4.5 Respect for rights of peers and seniors in workplace</li><li>4.6 Communication with peers and seniors in workplace</li></ul>

5. Resource Implications	<p>The following resources must be provided:</p> <ul style="list-style-type: none"> <li>5.1 Workplace (simulated or actual)</li> <li>5.2 IT Tools</li> <li>5.3 Computers with word processing application</li> <li>5.4 Internet connection</li> <li>5.5 Presentations</li> <li>5.6 Learning manuals</li> </ul>
6. Methods of Assessment	<p>Methods of assessment may include but not limited to:</p> <ul style="list-style-type: none"> <li>6.1 Written test</li> <li>6.2 Demonstration</li> <li>6.3 Oral questioning</li> </ul>
7. Context of assessment	<ul style="list-style-type: none"> <li>7.1 Competency assessment must be done in NSDA Accredited Assessment centre</li> <li>7.2 Assessment should be done by NSDA certified/ nominated assessor</li> </ul>
<p><b>Accreditation Requirements</b></p> <p>Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.</p>	

## **Occupation Specific Units of Competencies**

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-01-L4-EN-V2: Interpret Quality Control and Quality Assurance</b>
<b>Unit Descriptor</b>	This unit covers the knowledge, skills and attitude required to interpret Quality Control and Quality Assurance. It specifically includes the tasks of interpreting quality concepts, identifying the structure and organogram of quality department and identifying the tools and equipment for quality control.
<b>Nominal Hours</b>	<b>20 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Interpret quality concepts	1.1 Quality is defined 1.2 Quality Control (QC) and Quality Assurance (QA) is distinguished 1.3 <b><u>Terminology</u></b> used in quality are elaborated 1.4 <b><u>Methods of quality control</u></b> are interpreted 1.5 <b><u>Quality assurance Tools</u></b> are identified
2. Identify the structure and organogram of quality department	2.1 <b><u>Departments related to quality in RMG industry</u></b> are recognized 2.2 Organogram of quality department is outlined 2.3 <b><u>Activities of quality department</u></b> are identified as per workplace requirements 2.4 <b><u>Job responsibilities of quality personnel</u></b> are listed
3. Identify the tools and equipment for quality control	4.1 <b><u>Tools and equipment</u></b> for quality control are identified 4.2 Requirement of each tools and equipment are elaborated
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. Terminology	1.1 Quality 1.2 Quality Control 1.3 Quality Assurance 1.4 Total Quality Management (TQM) 1.5 Zero defects 1.6 Fabric composition 1.7 Gram per Square meter (GSM) 1.8 Fabric construction 1.9 Stitch Per Inch (SPI) 1.10 Allowance 1.11 Tolerance

	1.12 Pull test 1.13 Shade variation 1.14 Traffic light System 1.15 Quality Management System (QMS) 1.16 Guideline for Production and Quality (GPQ) 1.17 Standard Operating Procedure (SOP) 1.18 Thread Count 1.19 Shrinkage/ Dimensional stability 1.20 Color Fastness 1.21 Seam Strength 1.22 Fabric Defects 1.23 Size set sample 1.24 Pre-Production sample 1.25 Pre-production meeting 1.26 In-line Inspection 1.27 Final Inspection 1.28 AQL (Acceptable Quality Level) 1.29 Garment Wash 1.30 DHU
2. Methods of Quality Control	2.1 Testing 2.2 Inspection
3. Quality assurance Tools	3.1 Cause and effect diagram/ Fishbone Analysis 3.2 Check Sheet 3.3 Flow Chart
4. Departments related to quality in RMG industry	4.1 Store 4.2 Pattern and sample 4.3 Cutting 4.4 Print/ Embroidery 4.5 Sewing 4.6 Washing 4.7 Finishing and packing
5. Activities of quality department	5.1 Quality Planning 5.2 Supplier Quality Management 5.3 Incoming Material Inspection 5.4 Sampling 5.5 In-Line Quality Control 5.6 Final Inspection

	5.7 Defect Analysis and Corrective Action 5.8 Documentation and Reporting 5.9 Training and Development 5.10 Quality Certification
6. Job responsibilities of quality personnel	6.1 Quality Control Inspection 6.2 Defect Identification and Reporting 6.3 Compliance with Quality Standards 6.4 Documentation and Reporting 6.5 Corrective and Preventive Actions 6.6 Collaboration with Other Departments 6.7 Product Development Support and Sampling Activities 6.8 Customer Feedback Management
7. Tools and equipment	7.1 Measuring Tape 7.2 Needle 7.3 Counting glass 7.4 Light box 7.5 Grey scale 7.6 GSM cutter 7.7 Weight balance 7.8 Button pull test machine 7.9 Needle detector machine
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 identified quality control system 1.2 interpreted the methods of quality control 1.3 identified tools of quality assurance 1.4 interpreted quality control system 1.5 interpreted quality control procedures 1.6 listed quality tools and equipment
2. Underpinning knowledge	2.1 Quality terms 2.2 Methods of quality control 2.3 Quality assurance Tools



	2.4 Departments related to quality in RMG industry 2.5 Structure and organogram of Quality department. 2.6 Activities of quality department 2.7 Job responsibilities of quality personnel 2.8 Tools and equipment for quality control and their use
3. Underpinning skills	3.1 Interpreting the methods of quality control 3.2 Identifying quality assurance tools 3.3 Outlining the structure of a quality department 3.4 Listing quality equipment 3.5 Interpreting quality control system
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace
5. Resource implications	5.1 Workplace (simulated or actual) 5.2 Tools & equipment for quality control 5.3 Computer 5.4 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning
7. Context of assessment	7.3 Competency assessment must be done in NSDA Accredited Assessment centre 7.4 Assessment should be done by NSDA certified/nominated assessor

### **Accreditation Requirements**

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-02-L4-EN-V2: Interpret Garments and Garments Construction</b>
<b>Unit Descriptor</b>	This unit covers the knowledge, skills and attitude required to interpret garments and garments construction. It specifically includes identifying of garments types, parts and points, interpreting garments operation breakdown, interpreting sewing machine and stitch for quality control management.
<b>Nominal Hours</b>	<b>30 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Identify garment types, parts and points	1.1 <b><u>Categories of garments</u></b> are interpreted 1.2 <b><u>Types of garments</u></b> are identified as per <b><u>production technique</u></b> 1.3 <b><u>Garments parts</u></b> are identified as per sample 1.4 <b><u>Measuring points</u></b> are identified as per sample
2. Interpret garments operation breakdown	2.1 <b><u>Category of garment parts</u></b> are identified 2.2 Garments operation breakdown is interpreted as per styling
3. Interpret sewing machine and stitch	3.1 Types of <b><u>Sewing machines</u></b> are identified 3.2 Applications of different sewing machines are interpreted 3.3 Stitch is interpreted 4.3 <b><u>Type of stitches</u></b> are identified
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. Categories of garments	1.1 Based on materials 1.1.1 Woven garments 1.1.2 Knit garments 1.1.3 Sweater 1.2 Based on wear ability 1.2.1 Tops 1.2.2 Bottoms
2. Types of garments	2.1. Woven Shirt 2.2. T-shirt 2.3. Polo shirt 2.4. Tank top 2.5. Vest 2.6. Hoody 2.7. Jacket

	2.8. Pant 2.9. Skirt 2.10. Trouser 2.11. Leggings 2.12. Under garments / Lingerie
3. Production techniques	3.1 Woven 3.2 Cut and Sew 3.3 Fully Fashioned
4. Garments parts	4.1 Front part 4.2 Back part 4.3 Sleeve 4.4 Collar 4.5 Collar band 4.6 Cuff 4.7 Pocket 4.8 Placket 4.9 Waist belt 4.10 Waist loop
5. Measuring points	5.1 Horizontal Measurement <ul style="list-style-type: none"> <li>5.1.1 Shoulder to shoulder</li> <li>5.1.2 Collar length</li> <li>5.1.3 Neck circumference</li> <li>5.1.4 Arm hole</li> <li>5.1.5 Chest</li> <li>5.1.6 Sleeve open</li> <li>5.1.7 Cuff length</li> <li>5.1.8 Waist</li> <li>5.1.9 Thigh</li> <li>5.1.10 Hip</li> <li>5.1.11 Knee</li> <li>5.1.12 Leg open</li> <li>5.1.13 Bottom width</li> <li>5.1.14 Pocket width</li> </ul> 5.2 Vertical Measurement <ul style="list-style-type: none"> <li>5.2.1 Body length</li> <li>5.2.2 Placket length</li> <li>5.2.3 Sleeve length</li> <li>5.2.4 Cuff width</li> <li>5.2.5 Pocket length</li> </ul>

	5.2.6 Waist belt width 5.2.7 Fly length
6. Category of Garment Parts	6.1 Front Part 6.2 Back Part 6.3 Assembling Part
7. Sewing machines	7.1 Single needle 7.2 Double needle 7.3 Over lock 7.4 Flat lock 7.5 Feed of the arm 7.6 Multi needle 7.7 Bar tuck 7.8 Button hole 7.9 Button attach
8. Types of stitches	8.1 Lock stitch 8.2 Chain stitch
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1. identified garments parts and points. 1.2. interpreted garment operation breakdown. 1.3. recognized sewing machines and stitches
2. Underpinning knowledge	2.1 Category of garments 2.2 Types of garments 2.3 Production technique 2.4 Measuring garments 2.5 Major garments parts 2.6 Garments operation breakdown. 2.7 Types of sewing machine 2.8 Application of sewing machine 2.9 Types of stitches
3. Underpinning skills	3.1 Identifying garments parts and points 3.2 Interpreting garment operation breakdown 3.3 Listing assembling parts 3.4 Interpreting sewing machines and applications 3.5 Listing type of stitches

4. Required attitude	4.1 Commitment to occupational health and safety practices 4.2 Communication with peers, sub-ordinates and seniors in workplace. 4.3 Promptness in carrying out activities. 4.4 Tidiness and punctual. 4.5 Sincere and honest to duties 4.6 Responsible during emergencies
5. Resource implications	5.1 Workplace (simulated or actual) 5.2 Sample garments 5.3 Measuring tools 5.4 Sewing machine 5.5 Sample of stitches 5.6 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment centre 7.2 Assessment should be done by NSDA certified/ nominated assessor
<b>Accreditation Requirements</b> Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-03-L4-EN-V2: Identify Clothing Material Types and Perform Inspection</b>
<b>Unit Descriptor</b>	This unit covers the knowledge, skills and attitude required to identify clothing material types and perform inspection. It specifically includes identifying types of fabric and production process, performing fabric inspection, interpreting various types of trims and accessories, performing Trims & Accessories inspection and performing inspection of embellishment for quality control management.
<b>Nominal Hours</b>	<b>30 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Identify types of fabrics and Production processes	1.1 <b><u>Types of fabrics</u></b> are identified. 1.2 <b><u>Types of yarn</u></b> is identified. 1.3 The categories of fabric types are comprehended. 1.4 Production process of different categories of fabrics are interpreted.
2. Perform fabric inspection	2.1 Various types of <b><u>fabric defects</u></b> and their effects are listed out. 2.2 <b><u>Fabric inspection Methods</u></b> are identified as per industry guidelines. 2.3 Fabric inspection is performed as per buyer's guidelines and established quality norms. 2.4 <b><u>Fabric inspection report</u></b> is prepared.
3. Interpret various types of trims and accessories	3.1 <b><u>Trims and accessories</u></b> are identified. 3.2 Difference between trims and accessories are interpreted. 3.3 Trims and accessories are listed according to the specification sheet.
4. Perform trims and accessories inspection	4.1 Trims and accessories inspection methods are identified. 4.2 Trims and Accessories inspection is carried out as per buyer's specification. 4.3 <b><u>Inspection report</u></b> is prepared.

5. Perform inspection of embellishment	5.1 Types of <b><u>embellishment faults</u></b> are identified. 5.2 Embellishment inspection procedures are applied as per buyer's requirements. 5.3 Inspection report is prepared.
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. Types of fabrics	<b>Woven Fabrics</b> 1.1 Plain / Poplin Fabric 1.2 Twill Fabric 1.3 Oxford fabric 1.4 Dobby fabric 1.5 Jacquard <b>Knit Fabrics</b> 1.6 Weft knitted fabrics 1.7 Warp knitted fabrics
2. Types of yarn	2.1 Natural yarn 2.2 Manmade yarn 2.3 Carded yarn 2.4 Combed yarn
3. Fabric defects	3.1 Yarn defects 3.2 Weaving/ raw fabric defects 3.3 Dyeing printing and finishing defects
4. Fabric inspection methods	4.1 4-point system 4.2 10-point system
5. Fabric inspection report	5.1 Accepted 5.2 Rejected
6. Trims and accessories	6.1 Trims 6.1.1 Sewing trims 6.1.2 Finishing trims 6.2 Accessories 6.2.1 Informative accessories 6.2.2 Decorative accessories 6.2.3 Paper made accessories 6.2.4 Plastic made accessories
7. Inspection Report	7.1 Color 7.2 Material

	7.3 Construction 7.4 Measurement 7.5 Assortment 7.6 Buyer's specification
8. Embellishment faults	8.1 Faults of Print 8.2 Faults of embroidery
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: <ul style="list-style-type: none"> <li>1.1. identify types of fabrics and production processes</li> <li>1.2. listed fabrics defects</li> <li>1.3. performed fabric inspection</li> <li>1.4. prepared inspection report</li> <li>1.5. performed trims and accessories inspection</li> <li>1.6. performed embellishment inspection</li> </ul>
2. Underpinning knowledge	<ul style="list-style-type: none"> <li>2.1 Types of fabric</li> <li>2.2 Types of yarn</li> <li>2.3 Production process</li> <li>2.4 The categories of fabric types</li> <li>2.5 Fabric defects</li> <li>2.6 Methods of fabric inspection</li> <li>2.7 Types of trims and accessories</li> <li>2.8 Trims and accessories inspection methods</li> <li>2.9 Types of embellishment faults</li> </ul>
3. Underpinning skills	<ul style="list-style-type: none"> <li>3.1 Interpreting production process</li> <li>3.2 Listing fabrics defects</li> <li>3.3 Performing fabric inspection method</li> <li>3.4 Preparing inspection report</li> <li>3.5 Identifying trims and accessories</li> <li>3.6 Performing trims and accessories inspection</li> <li>3.7 Applying embellishment inspection procedures</li> </ul>



4. Required attitude	4.1 Commitment to occupational health and safety practices 4.2 Communication with peers, sub-ordinates and seniors in workplace. 4.3 Promptness in carrying out activities. 4.4 Tidiness and punctual. 4.5 Sincere and honest to duties 4.6 Responsible during emergencies
5. Resource implications	5.1 Workplace (simulated or actual) 5.2 Fabric samples 5.3 Inspection formats 5.4 Fabric inspection tools & facility 5.5 Sample of trims and accessories 5.6 Sample of embellishment 5.7 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment centre 7.2 Assessment should be done by NSDA certified/ nominated assessor
<b>Accreditation Requirements</b> Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-04-L4-EN-V2: Perform Department Wise Quality Check and Inspection</b>
<b>Unit Descriptor</b>	This unit covers the knowledge, skills and attitude required to perform department wise quality check and inspection. It specifically includes carrying out quality in store, carrying out quality check in samples, performing quality in cutting, performing quality control in sewing, checking quality of garments wash and quality in finishing and packing.
<b>Nominal Hours</b>	<b>40 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Carryout quality in store	1.1 Raw materials are selected as per product 1.2 <b><u>Raw materials receiving criteria</u></b> is interpreted as per the quality level 1.3 Quality in store is maintained as per quality guideline
2. Carry out quality check in samples	2.1 <b><u>Samples</u></b> needed to be prepared in sample section are identified 2.2 <b><u>Technical issues</u></b> are identified 2.3 Final <b><u>checking of samples</u></b> are performed as per the quality specifications and quality norms
3. Perform quality in cutting	3.1 <b><u>Marker checking</u></b> procedure is comprehended. 3.2 Cut panel checking procedure is interpreted as per the company's policy 3.3 Cutting quality is ensured 3.4 Cutting quality reporting formats are comprehended.
4. Perform quality control in sewing	4.1 Inline quality checking procedure is carried out as per quality manual 4.2 End line quality checking procedure is performed as per quality manual 4.3 Sewing quality reports are prepared and checked
5. Check quality of garments wash	5.1 Wash quality checking procedures are interpreted 5.2 Wash quality is checked as per buyer's standard 5.3 Wash quality reports are prepared and checked
6. Check quality in finishing and packing	6.1 <b><u>Finishing and packing</u></b> quality checkpoints are identified as per sample

	6.2 Complete garments inspection in finishing are performed 6.3 Pre-final inspection is carried out as per Acceptable Quality Level (AQL)
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. Raw materials receiving criteria	1.1. Preform invoice and booking sheet check 1.2. Packing list / challan check 1.3. Quality check with the specification 1.4. Acceptability of the packing list / challan
2. Samples	2.1 Development / styling sample 2.2 Size set / fit sample 2.3 Pre-production sample 2.4 Wash test sample 2.5 Production sample 2.6 Shipment sample
3. Technical Issues	3.1 Shrinkage report 3.2 Master pattern 3.3 Pattern grading
4. Checking of samples	4.1 Matching with the specification 4.2 Fabrication 4.3 Trims and accessories 4.4 Workmanship 4.5 Measurement 4.6 Getup / presentation of the sample 4.7 Sample information
5. Marker checking	5.1 Number of pattern and garment pieces 5.2 Number of garments 5.3 Parts alignment 5.4 Fabric consumption 5.5 Marker efficiency
6. Finishing and packing	6.1 Ironing

	6.2 Folding 6.3 Packing 6.4 Arranging 6.5 Final inspection
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
Critical aspects of competency	Assessment required evidence that the candidate: 1.1 carryout quality in stores 1.2 carryout quality in samples 1.3 performed quality in cutting 1.4 checked quality in sewing 1.5 checked quality in wash 1.6 checked quality in finishing and packing
Underpinning knowledge	2.1 Raw materials receiving criteria 2.2 Quality in store 2.3 Samples 2.4 Technical issues 2.5 Checking samples 2.6 Marker checking 2.7 Cut panel checking 2.8 Sewing quality 2.9 Quality in wash 2.10 Finishing and packing quality 2.11 Final inspection
Underpinning skills	3.1 Maintaining quality in store 3.2 Performing checking of samples 3.3 Performing cutting quality check 3.4 Performing sewing quality check 3.5 Checking quality of garments wash 3.6 Checking quality of finishing and packing 3.7 Preparing quality reports 3.8 Carrying out pre-final inspection
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns

	4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace
5. Resource implications	5.1 Workplace (Actual or simulated) 5.2 Receiving register/ sheet 5.3 Products sample 5.4 Tech pack 5.5 Marker 5.6 Cut panel 5.7 Quality reports format 5.8 Washed garments samples 5.9 Finished and packed garments 5.10 Learning materials
6. Methods of assessment	6.1 Written test 6.2 Demonstration 6.3 Oral questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/ nominated assessor
<b>Accreditation Requirements</b> Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-05-L4-EN-V2: Identify Defects and Possible Remedies</b>
<b>Unit Descriptor</b>	<p>This unit covers the knowledge, skills and attitude required to Identify defects and possible remedies.</p> <p>It specifically includes identifying common fabric faults, trims and accessories faults, garment defect and remedies and interpreting garment zone and defects classification.</p>
<b>Nominal Hours</b>	<b>30 Hours</b>
<b>Elements of Competency</b>	<p><b>Performance Criteria</b></p> <p><b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables</p>
1. Identify common fabric faults	<p>1.1. <b><u>Common fabric faults</u></b> are identified</p> <p>1.2. Common fabric faults are listed</p> <p>1.3. Fabric inspection report is analyzed</p>
2. Identify trims and accessories faults	<p>2.1 <b><u>Trims and accessories faults</u></b> are identified.</p> <p>2.2 Trims and accessories faults are listed.</p> <p>2.3 Trims and accessories inspection report is analyzed</p>
3. Identify garment defects and remedies	<p>3.1 Types of <b><u>garments defects</u></b> are identified.</p> <p>3.2 Garments defects are listed.</p> <p>3.3 Garments inspection report is prepared as per standard procedure</p>
4. Interpret garment zone and defects classification	<p>4.1. <b><u>Garments zone classification</u></b> is interpreted</p> <p>4.2. <b><u>Classification of garments defects</u></b> are carried out as per garments zone</p> <p>4.3. Faults are reported as per zone classification</p>
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. Common fabric faults	<p>1.1 Stain</p> <p>1.2 Oil spot</p> <p>1.3 Stop mark</p> <p>1.4 Pin hole</p> <p>1.5 Contamination</p> <p>1.6 Slubs</p> <p>1.7 Missing end</p> <p>1.8 Miss pick</p> <p>1.9 Needle mark</p> <p>1.10 Sinker mark</p> <p>1.11 Patta</p>

2. Trims and accessories faults	2.1 Unmatched color of thread 2.2 Broken button and zipper 2.3 Short zippers 2.4 Wrong labels 2.5 Improper size of the labels 2.6 Printing mistake of labels and cartons 2.7 Broken polybag 2.8 Wrong hanger 2.9 Improper embroideries and prints
3. Garments defects	3.1 Seam puckering 3.2 Spirally 3.3 Broken buttons 3.4 Broken stitch 3.5 Defective snaps 3.6 Different shades with in the same garments 3.7 Dropped stitch 3.8 Skipped stitch 3.9 Exposed raw edges 3.10 Fabric defects 3.11 Holes 3.12 Inoperative zipper 3.13 Loose sewing threads 3.14 Misaligned buttons and holes 3.15 Needle cuts 3.16 Open seams 3.17 Loose thread 3.18 Stain 3.19 Unfinished buttonhole 3.20 Irregular SPI 3.21 Size mistake
4. Garments zone classification	4.1. Zone A/ 1 4.2. Zone B/ 2 4.3. Zone C/ 3
5. Classification of garments defects	5.1. Critical defects 5.2. Major defects 5.3. Minor defects
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 identified common fabric faults 1.2 identified trims and accessories faults

	1.3 identified garment defects and remedies 1.4 interpreted garment zone and defects classification
2. Underpinning knowledge	2.1 Common fabric faults 2.2 Fabric inspection 2.3 Trims and accessories inspection and faults 2.4 Garments inspection and defects 2.5 Garments zone classification 2.6 Classification of garments defects
3. Underpinning skills	3.1 Listing common fabric faults. 3.2 Preparing fabric inspection report. 3.3 Listing garments defects. 3.4 Preparing garments inspection report. 3.5 Reporting faults as per zone classification.
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace
5. Resource implications	5.1 Workplace (simulated or actual) 5.2 Fabric sample 5.3 Trims and accessories sample 5.4 Garments sample 5.5 Inspection report format 5.6 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning 6.4 Portfolio
7. Context of assessment	7.1. Competency assessment must be done in NSDA Accredited Assessment center 7.2. Assessment should be done by NSDA certified/nominated assessor
<b>Accreditation Requirements</b> Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit	



towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-06-L4-EN-V2: Perform Final Inspection</b>
<b>Unit Descriptor</b>	This unit covers the knowledge, skills and attitude required to Perform final inspection. It specifically includes interpreting rules of acceptable quality level, carrying out pre-work for final inspection, performing final inspection and using quality formats.
<b>Nominal Hours</b>	<b>30 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Interpret rules of Acceptable Quality Level (AQL)	1.1 Acceptable Quality Level (AQL) is interpreted. 1.2 <b><u>AQL chart</u></b> is identified as per the standard. 1.3 AQL chart is used as per buyer requirements.
2. Carryout Pre-work for final Inspection	2.1 Sampling for inspection is interpreted 2.2 Packing list is collected and checked 2.3 Carton is selected as per AQL 2.4 Preliminary checking is carried out
3. Perform final inspection	2.1 Inspection procedures are interpreted 2.2 Packing list are verified as per purchase order 2.3 Cartons are selected as per job requirement 2.4 Garments are selected as per AQL 2.5 Final inspection is performed 2.6 Final inspection report is prepared
4. Use quality formats	3.1 <b><u>Quality formats</u></b> are identified 3.2 Quality format is selected and collected 3.3 Quality formats are used as per job requirement
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range (may include but not limited to):</b>
1. AQL chart	1.1 Lot or batch size 1.2 Sample size code letter 1.3 Sample size 1.4 Acceptability or Rejection
2. Quality formats	2.1 Raw material inspection formats 2.2 Sample inspection formats 2.3 Cutting inspection formats 2.4 In line quality formats 2.5 End line quality formats 2.6 Washing quality formats 2.7 Measurement checking formats

	2.8 Finishing quality formats 2.9 Packing quality formats
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 interpreted and used AQL chart 1.2 verified packing list 1.3 Carried out Pre-work for final Inspection 1.4 performed final inspection 1.5 prepared final inspection report 1.6 used quality formats
2. Underpinning knowledge	a. Types of AQL chart b. Inspection procedures c. Quality formats
3. Underpinning skills	3.1 Using AQL chart 3.2 Verifying packing list 3.3 Performing final inspection 3.4 Using quality formats
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace
5. Resource implications	5.1 Workplace (simulated or actual) 5.2 AQL chart 5.3 Sample packing list 5.4 Cartons filled with finished garments 5.5 Sample order file 5.6 Quality inspection formats 5.7 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/ nominated

	assessor
<p><b>Accreditation Requirements</b></p> <p>Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.</p>	

<b>Unit Code and Title</b>	<b>OU-RMGT-QCM-07-L4-EN-V2: Carryout Products Safety and Problem Solving</b>
<b>Unit Descriptor</b>	<p>This unit covers the knowledge, skills and attitude required to carry out products safety and problem solving.</p> <p>It specifically includes practicing '5S' system, maintaining broken needle and sharp tools policy, interpreting C-TPAT, applying root cause analysis, interpreting different garments tests and practicing lean tools.</p>
<b>Nominal Hours</b>	<b>50 Hours</b>
<b>Elements of Competency</b>	<b>Performance Criteria</b> <b><u>Bold &amp; Underlined</u></b> terms are elaborated in the Range of Variables
1. Practice 5S System	1.1 <b><u>5S system</u></b> is interpreted 1.2 5S system is practiced as per workplace requirements 1.3 5S system is applied as per workplace requirements
2. Maintain Broken Needle and sharp tools Policy	2.1 <b><u>Broken needle policy and sharp tools policy</u></b> is interpreted 2.2 Broken needle safety issues are interpreted as per the specification 2.3 Broken needle safety reports are checked as per standard 2.4 Sharp tools are managed as per standard procedure
3. Interpret C-TPAT	3.1 C-TPAT is interpreted 3.2 Requirements for C-TPAT are elaborated
4. Apply Root Cause Analysis	4.1 Root cause analysis procedure is interpreted 4.2 Problems are listed 4.3 <b><u>Root cause analysis</u></b> is applied
5. Interpret Different Garment Tests	5.1 Garment test is interpreted 5.2 <b><u>Different garment tests</u></b> are listed 5.3 Test reports are interpreted
6. Practice Lean Tools	6.1 Lean management is interpreted 6.2 <b><u>Lean tools</u></b> are illustrated 6.3 Basic use of lean tools are recognized
<b>Range of Variables</b>	
<b>Variables</b>	<b>Range</b> (may include but not limited to):
1. 5S System	1.1 Seri (Sort) 1.2 Seiton (Straighten) 1.3 Seiso (Shine) 1.4 Seiketsu (Standardize) 1.5 Shitsuke (Sustain)

2. Broken needle policy and sharp tools policy	2.1 Broken needle policy 2.2 Needle detection 2.3 Sharp material / broken needle inspection
3. Root cause analysis	3.1 Problem identification 3.2 Problem analysis 3.3 Causes of the problem
4. Different garment tests	4.1 Shrinkage test 4.2 pH test 4.3 Nickel test 4.4 AZO test 4.5 Color fastness test
5. Lean tools	4.1 7 waste 4.2 Kaizen 4.3 Total Productive Maintenance (TPM) 4.4 Visual Management
<b>Evidence Guide</b> The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 practiced 5S system 1.2 maintained Broken Needle and sharp tools Policy 1.3 interpreted C-TPAT 1.4 applied Root Cause Analysis 1.5 interpreted different Garment Tests 1.6 practiced Lean Tools
2. Underpinning knowledge	2.1 5S system 2.2 Broken needle and sharp tools policy 2.3 Broken needle safety issues 2.4 C-TPAT 2.5 Root cause analysis 2.6 Garments tests 2.7 Lean tools
3. Underpinning skills	3.1 Practicing 5S system 3.2 Maintaining Broken Needle and sharp tools Policy 3.3 Interpreting C-TPAT 3.4 Applying Root Cause Analysis 3.5 Interpreting different Garment Tests 3.6 Practicing Lean Tools
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace 4.6 Communication with peers and seniors in workplace

5. Resource implications	5.1 Workplace (simulated or actual) 5.2 Materials for broken needle and sharp tools management 5.3 Garments test reports 5.4 Learning materials
6. Methods of assessment	6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA Accredited Assessment center 7.2 Assessment should be done by NSDA certified/nominated assessor
<p><b>Accreditation Requirements</b></p> <p>Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.</p>	

**Industry experts who provided their valuable inputs to construct this competency standard  
(May – July 2017)**

<b>Name</b>	<b>Organization</b>	<b>Designation</b>
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Engr. Md. Sharif Nowaz,	SEIP Project, BKMEA	Senior Trainer (PIC Cell)
Md. Saiful Islam	Mozart Knit Ltd.	Asst Manager, Quality Dept.
Md. Amir Hossain	British Council SD03 Project	Assistant Consultant – RMG sector
Rashmi Mehra	BC SD03 Project	International Consultant for Development of CBLM
Syed Azharul Haque	BC SD03 Project	National Subject Matter Consultant-Sector



**First working group formation and competency standard development workshop participants  
(16<sup>th</sup> July 2017)**

<b>Name</b>	<b>Organization</b>	<b>Designation</b>
G.M Faruque	BKMEA	Vice president (finance)
Durlov Chandra Kha	Bangladesh German Technical Training Centre	Senior Instructor
Engr.Md. Sharif Nowaz	SEIP Project, BKMEA	Senior Trainer (PIC Cell)
Md. Asif Shahriar	Walmart Global Sourcing Services Ltd.	Technologist, Quality Assurance
Md. Mizanur Rahman	Shanto-Marium University of Creative Technology	Asst. Professor
Md. Amir Hossain	British Council SD03 Project	Assistant Consultant – RMG sector
Syed Nasir Ershad	SEIP	AEPD (Public-1)
Md. Ahsan Habib	SEIP	TVET Specialist
Mohiuzzaman	SEIP	Course Specialist
Ananda Falia	BTEB	Assistant Controller
Rashmi Mehra	BC SD03 Project	International Consultant for Development of CBLM
Syed Azharul Haque	BC SD03 Project	National Subject Matter Consultant- Sector

**First competency standard validation workshop participants (25<sup>th</sup> July 2017)**

<b>Name</b>	<b>Organization</b>	<b>Designation</b>
Rupali Biswas	SEIP-BKMEA	Chief Coordinator
Md. Sadequr Rahman	Knit asia Ltd.	Trainer
Azim Mohammad	SEIP- BGMEA	Senior Trainer
Md. Sultan Al Maruf	SEIP	Quality Assurance Officer
Al-Mustafa Tawqin	SEIP	Quality Assurance Officer
Engr. Abdur Razzaque	SEIP	Specialist – 1 Competency Standard
Syed Nasir Ershad	SEIP	AEPD (Public-1)
Md. Ahsan Habib	SEIP	TVET Specialist
Mohiuzzaman	SEIP	Course Specialist
Ananda Falia	BTEB	Assistant Controller
Md. Amir Hossain	British Council SD03 Project	Assistant Consultant – RMG sector
Rashmi Mehra	British Council SD03 Project	International Consultant for Development of CBLM
Syed Azharul Haque	British Council SD03 Project	National Subject Matter Consultant-Sector

**Competency standard review workshop participants (12 March 16, 2020)**

SL	Name	Organization	Designation
1	Md. Kamrul Islam	BKMEA	Senior Trainer- SEIP
2	Mr. Shafiqul Islam	Mohammadi Group	Head of IE & Planning
3	Md. Shafiqul Islam	Sobuj Bangla Apparel Ltd	QA Manager
4	Sk.Nazmus Saaqib	Primeasia University	Asst. Professor, Textile Engineering Department
5	Mr. Syed Azharul Haque	Skills Zone, Mirpur	CEO
6	Mr. Md. Amir Hossain	DPDS Consulting Support	TVET Consultant
8	Md. Mizanur Rahman	Shanto-Mariam University	Asst. Professor, Fashion Designing
9	A.T.M Zakaria	MTM International	Director Operations
10	Mohammad Fiznur Rahman	SEIP	AEPD
11	Mohiuzzaman	SEIP	Course Specialist
12	Md. Ahasan Habib	SEIP	TVET Specialist
13	Mohammad Rezaul Karim	NSDA	Member (Skills Standard & Certification)
14	Md. Quamruzzaman	NSDA	Director (Skills Standard))
16	Wg Cdr Zaglul Hayder (retd)	RTISC	CEO
17	Md. Sharif Nowaz	RTISC	Executive (Curriculum development & Training)
18	Md. Moniruzzaman	RTISC	Executive (Assessment & Certification)



## Members of Standard & Curriculum validation committee(SCVC)

SL	Name	Organization	Designation
1	Mrs, Nasrin Sultana	Masco Industries Ltd.	Lab – Manager
2	Mr. Saidur Rahman	BKMEA-SEIP	Trainer
3	Mrs, Hosne Ara Jahan	Fakir Apparels	Coordinator (Quality)
4	Md. Shofiqul Islam	Sobuj Bangla Apparel Ltd.	QA Manager
5	Mr. Syed Azharul Haque	Skills Zone, Mirpur	CEO
6	Mr. Md. Amir Hossain	DPDS Consulting Support	TVET Consultant
7	Rupali Biswas	BKMEA-SEIP	Chief Co-Ordinator
8	Md. Mohibullah Masud	BGMEA-SEIP	Acting Chief Co-Ordinator
9	Md. Quamruzzaman	NSDA	Director (Skills Standard))
10	BM Shariful Islam	NSDA	Deputy Director (Skills Standard)
11	Eng. Md. Abdur Razzaque	NSDA	Ex-Consultant



## Review of Competency Standard

The Competency Standards for National Skills Certificate in Quality Control Management, Level-4 is reviewed by NSDA on 30 January 2025.

### List of Members

Sl No	Name and Address	Position in the committee	Signature
1.	<b>Md. Abdus Salam</b> Deputy Director, Department of Textiles, Kawran Bazar, Dhaka Cell:01715027448, E-mail: salam.textile@gmail.com	Member	
2.	<b>Shabiha Sultana</b> Chief Instructor, Bangladesh-Korea Technical Training Center, Dhaka Cell:01912454106, E-mail: shabihamtcc@gmail.com	Member	
3.	<b>Md. Kamrul Islam</b> Senior Manager, IE & Planning, Lariz Fashion Ltd., Narayanganj Cell:01912141509, E-mail: islamkamrul31tex@gmail.com	Member	
4.	<b>Md. Mazedur Rahaman</b> Head of IE, Norban Comtex Ltd., Kashimpur, Gazipur Cell:01738416940, E-mail: mazedurabl@gmail.com	Member	
5.	<b>Md. Abdur Rakib</b> Director, Inspire Fashion, Joydebpur, Gazipur Cell:01717043249, E-mail: rakib.tvet@gmail.com	Member	
6.	<b>Md. Abu Saleh</b> TVET Specialist (Public Partnership Management), UCEP, Dhaka Cell:01814485003, E-mail: abu.saleh1@ucepbd.org	Member	
7.	<b>Sujan Kumar Kundu</b> Assistant Manager, Texas Clothing Ltd. UEPZ, Nilphamari Cell:01712-706874, E-mail: sujan.diazuepz@gmail.com	Member	
8.	<b>Syed Azharul Haque</b> Competency Standard Expert, National Skills Development Authority (NSDA) Cell: +880 1711047815 Email: azharulhaque2008@gmail.com	Member	

