

## Qualification Pack



# Sewing Machine Operator - Knits

QP Code: AMH/Q0305

Version: 2.0

NSQF Level: 3

Apparel, Madeups & Home Furnishing Sector Skill Council || Flat No. A-312 to A-323, 3rd Floor,  
Somdatt Chamber-1, Bhikaji Cama Place, Africa Avenue  
New Delhi-110066

## Qualification Pack

### Contents

AMH/Q0305: Sewing Machine Operator - Knits .....	3
<i>Brief Job Description</i> .....	3
Applicable National Occupational Standards (NOS) .....	3
<i>Compulsory NOS</i> .....	3
<i>Qualification Pack (QP) Parameters</i> .....	3
AMH/N0102: Maintain work area, tools and machines .....	5
AMH/N0104: Comply with industry, regulatory and organizational requirements and Greening of Job roles .....	9
AMH/N0305: Plan and Prepare for process of sewing of knit fabrics as per plan received from stitching/line supervisor .....	13
AMH/N0306: Stitch knitted fabrics as per plan .....	17
AMH/N0307: Maintain health, safety and security in the production line with Gender and PwD Sensitization .....	21
Assessment Guidelines and Weightage .....	25
<i>Assessment Guidelines</i> .....	25
<i>Assessment Weightage</i> .....	26
Acronyms .....	27
Glossary .....	28

## Qualification Pack

### AMH/Q0305: Sewing Machine Operator - Knits

#### Brief Job Description

Sewing Machine Operator (Knits), also called a Stitcher or Machinist is an important job-role associated with Apparel, Made-Ups and Home Furnishing Industry and their manufacturing sector making knit garments. The primary responsibility of sewing machine operator (knits) is to stitch/sew knit fabrics panels to convert them into garment or Made-up with desired quality .

#### Personal Attributes

The sewing machine operator (knits) should have good eyesight, eye-hand-leg coordination, motor skills and clear vision. He/she should also have good interpersonal skills, be open to learning, have basic understanding of measurements.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [AMH/N0102: Maintain work area, tools and machines](#)
2. [AMH/N0104: Comply with industry, regulatory and organizational requirements and Greening of Job roles](#)
3. [AMH/N0305: Plan and Prepare for process of sewing of knit fabrics as per plan received from stitching/line supervisor](#)
4. [AMH/N0306: Stitch knitted fabrics as per plan](#)
5. [AMH/N0307: Maintain health, safety and security in the production line with Gender and PwD Sensitization](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel
<b>Occupation</b>	Sewing
<b>Country</b>	India
<b>NSQF Level</b>	3

## Qualification Pack

<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/8263.10
<b>Minimum Educational Qualification &amp; Experience</b>	5th Class (and) with 1 Year of experience in relevant field
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	Preferably training in Sewing Operations
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Approval Date</b>	30/09/2021
<b>Version</b>	2.0
<b>Reference code on NQR</b>	2021/APR/AMHSSC/04549
<b>NQR Version</b>	1

## Qualification Pack

### AMH/N0102: Maintain work area, tools and machines

#### Description

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to organize/ maintain work areas and activities to ensure tools and machines are maintained as per norms. It also covers procedures and compliance standards to identify, prevent, control, minimize and eliminate hazards and potential risks to self and others at the workplace.

#### Scope

The scope covers the following :

- Maintain the work area, handle tools and machines

#### Elements and Performance Criteria

##### *Maintain the work area, handle tools and machines*

To be competent, the user/individual on the job must be able to:

- PC1.** Handle materials, machinery, equipment and tools safely and correctly to maintain a clean and hazard free working area
- PC2.** Use correct lifting and handling procedures
- PC3.** Use materials efficiently to minimize wastage and dispose off waste safely at the designated location.
- PC4.** Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules
- PC5.** Report any unsafe or damaged equipment and other dangerous occurrences to the authorized personnel
- PC6.** Ensure that the correct machine guards are in place
- PC7.** Work in a comfortable position and maintain correct posture
- PC8.** Use cleaning equipment and methods appropriate for the work to be carried out

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Importance of good health, personal hygiene and duty of care
- KU2.** Importance of safe working practices and code of conduct (COC) and Social Accountability standards followed by the organization/ industry
- KU3.** The limits of your own responsibility
- KU4.** The production process and the specific work activities that relate to the whole process
- KU5.** The line and importance of effective communication with superiors and colleagues
- KU6.** The organization's rules, codes, quality standards, reporting procedures and guidelines (including timekeeping)
- KU7.** The importance of complying with written instructions

## Qualification Pack

- KU8.** The instructions of equipment operating procedures / manufacturer's
- KU9.** The work instructions and specifications and interpret them accurately
- KU10.** Method to make use of the information detailed in specifications and instructions
- KU11.** Relation between work role and the overall manufacturing process
- KU12.** The importance of taking action when problems are identified
- KU13.** Different ways of minimizing waste and proper disposal system for waste and by-products
- KU14.** The importance of running maintenance and regular cleaning
- KU15.** Effects of contamination on products i.e., Machine oil, dirt
- KU16.** Common faults with equipment and the method to rectify
- KU17.** Maintenance procedures
- KU18.** Hazards likely to be encountered when conducting routine maintenance
- KU19.** Different types of cleaning equipment and substances and their use
- KU20.** Safe working practices for cleaning and the method of carrying them out

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** Write and document appropriate technical forms, job cards, inspection sheets as per the required format of the company
- GS2.** Read and comprehend basic English to interpret indicators in the operating manuals, job cards, visual cards
- GS3.** Read and understand manuals, health and safety instructions, memos, reports, job cards etc.
- GS4.** Speak and communicate effectively with to peers and supervisors
- GS5.** Give clear detailed instructions to co-workers, subordinates and others
- GS6.** Use correct technical terms while interacting with supervisor
- GS7.** Take appropriate decisions regarding your responsibilities
- GS8.** Assess for any damaged faulty component in the concerned machinery and take action accordingly
- GS9.** Evaluate the decision and conduct basic trouble shooting
- GS10.** Plan and manage work routine based on company procedure
- GS11.** Work with supervisors/ team mates to carry out work related tasks
- GS12.** Plan for cleaning and lubricating the concerned machinery, tools, and workplace daily before and after operations
- GS13.** Ensure and follow organizational procedures pertaining to health and safety are followed
- GS14.** Solve operational role related issues
- GS15.** Diagnose common problems in the machine based on visual inspection, sound, temperature etc.
- GS16.** Analyze, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain the work area, handle tools and machines</i>	<b>14</b>	<b>49</b>	-	<b>7</b>
<b>PC1.</b> Handle materials, machinery, equipment and tools safely and correctly to maintain a clean and hazard free working area	3	10	-	1
<b>PC2.</b> Use correct lifting and handling procedures	2	7	-	1
<b>PC3.</b> Use materials efficiently to minimize wastage and dispose off waste safely at the designated location.	2	4	-	1
<b>PC4.</b> Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules	2	10	-	1
<b>PC5.</b> Report any unsafe or damaged equipment and other dangerous occurrences to the authorized personnel	1	2	-	0.5
<b>PC6.</b> Ensure that the correct machine guards are in place	2	2	-	0.5
<b>PC7.</b> Work in a comfortable position and maintain correct posture	1	7	-	1
<b>PC8.</b> Use cleaning equipment and methods appropriate for the work to be carried out	1	7	-	1
<b>NOS Total</b>	<b>14</b>	<b>49</b>	-	<b>7</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AMH/N0102
<b>NOS Name</b>	Maintain work area, tools and machines
<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel, Made-Ups & Home Furnishing
<b>Occupation</b>	Sewing, Finishing, Cutting, Production Supervision, Sampling, Quality Control, Quality Assurance, Ironing, Tailoring, Machine Embroidery Operation
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	30/09/2021



## Qualification Pack

# AMH/N0104: Comply with industry, regulatory and organizational requirements and Greening of Job roles

## Description

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required for complying with legal, regulatory organizational requirements.

## Scope

The scope covers the following :

- Observe organizational norms and follow green procedures at workplace.

## Elements and Performance Criteria

### *Comply with industry, and organizational requirements and greening of job roles*

To be competent, the user/individual on the job must be able to:

- PC1.** Carry out work functions in accordance with organizational standards, greening solutions, procedures, policies, legislation and regulations.
- PC2.** Apply and follow organizational policies and procedures and inculcate sustainable consumption practices.
- PC3.** Actively get involved in improving the performance of the organization and support adaptation to environmentally friendly processes.
- PC4.** Handle materials, equipment, computer and software safely and correctly to maintain a clean and hazard free working area and support adaptation to more environmentally friendly processes
- PC5.** Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules and deal with work interruptions effectively.
- PC6.** Report unsafe equipment and other dangerous occurrences to concerned personnel.
- PC7.** Use cleaning equipment and methods appropriate for the work to be carried out.
- PC8.** Request for upgrading of system or software when required for effective working and maintain a backup file when working on various design software
- PC9.** All soft copies of design work to be maintained in files as well for future reference

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Conscious and sustainable decisions/information for achieving an effective and green workplace.
- KU2.** The importance of safe working practices and code of conduct (COC) and Social Accountability standards followed by the organization/ industry
- KU3.** The production procedures and the specific work activities relate to the whole process.

## Qualification Pack

- KU4.** The organization's rules, codes, quality standards, reporting procedures and guidelines (including timekeeping)
- KU5.** The work instructions and specifications and interpret them accurately
- KU6.** To make use of the information detailed in specifications and instructions
- KU7.** The importance of taking action when problems are identified
- KU8.** The importance of running maintenance and regular cleaning and Maintenance procedures
- KU9.** Effects of contamination on products i.e., Machine oil, dirt and different ways of minimizing waste.
- KU10.** The common faults with equipment and the method to rectify.

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** Make conscious and sustainable decisions that help reduce, reuse, and recycle the company resources.
- GS2.** Identify and replace processes that create unnecessary waste
- GS3.** Communicate with others in writing (wherever applicable)
- GS4.** Use the accurate terminology
- GS5.** Follow manuals/procedures/and compliance policies
- GS6.** Update actively with modifications through written print and mail communication (digital)
- GS7.** Listen effectively and orally communicate information accurately and Make decisions on a suitable course of action or response.
- GS8.** Communicate proactively on critical issues and Follow rule-based decision-making processes
- GS9.** Identify situation that need escalation on quality issues and seek intervention
- GS10.** Plan and organize your work to achieve targets and deadlines and consult/coordinate for effective delivery.
- GS11.** Apply problem-solving approaches in different situations
- GS12.** Refer anomalies to the particular personnel
- GS13.** Analyze needs, requirements and dependencies in order to meet your work requirements
- GS14.** Seek participation of members from Quality, Production, Audit or any other team for effective solutions
- GS15.** Provide opinions on work in a detailed and constructive way to the concerned personnel

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Comply with industry, and organizational requirements and greening of job roles</i>	<b>20</b>	<b>10</b>	-	<b>10</b>
<b>PC1.</b> Carry out work functions in accordance with organizational standards, greening solutions, procedures, policies, legislation and regulations.	2	1	-	1
<b>PC2.</b> Apply and follow organizational policies and procedures and inculcate sustainable consumption practices.	2	1	-	1
<b>PC3.</b> Actively get involved in improving the performance of the organization and support adaptation to environmentally friendly processes.	2	1	-	1
<b>PC4.</b> Handle materials, equipment, computer and software safely and correctly to maintain a clean and hazard free working area and support adaptation to more environmentally friendly processes	3	2	-	2
<b>PC5.</b> Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules and deal with work interruptions effectively.	3	1	-	1
<b>PC6.</b> Report unsafe equipment and other dangerous occurrences to concerned personnel.	2	1	-	1
<b>PC7.</b> Use cleaning equipment and methods appropriate for the work to be carried out.	2	1	-	1
<b>PC8.</b> Request for upgrading of system or software when required for effective working and maintain a backup file when working on various design software	2	1	-	1
<b>PC9.</b> All soft copies of design work to be maintained in files as well for future reference	2	1	-	1
<b>NOS Total</b>	<b>20</b>	<b>10</b>	-	<b>10</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AMH/N0104
<b>NOS Name</b>	Comply with industry, regulatory and organizational requirements and Greening of Job roles
<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel, Made-Ups & Home Furnishing
<b>Occupation</b>	Sewing, Ironing, Export Operations, Designing, Boutique Operations, Quality Control, Sewing, Laying, Inventory Management, Hand Embroidery
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	5.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	30/09/2021

## Qualification Pack

# AMH/N0305: Plan and Prepare for process of sewing of knit fabrics as per plan received from stitching/line supervisor

## Description

This unit is about qualification and measurement of skills and competencies enabling one to plan satisfactorily for stitching of knit garment/made up cut components /panels to make a garment or made-up by using sewing machines

## Scope

The scope covers the following :

- Checking of machines and test sewing

## Elements and Performance Criteria

### *Checking of machines and test sewing*

To be competent, the user/individual on the job must be able to:

- PC1..** Check the machines setting according to manufacturers instructions and production requirements of knitted components if any issues with setting inform mechanic or supervisor for correct the setting.
- PC2.** Ensure machine needles, foot, spools etc. are fixed tightly for safe working
- PC3.** Ensure the materials used meet the specification matching within a product and between a pair of products where applicable. If any deviation in meeting specification inform supervisor or Quality Controller of line
- PC4. .** Ensure the threads are used as per the provided thread quality and color as per requirements for the garment styles
- PC.5.** Before starting the production check the stitching quality after stitching on waste fabric.
- PC.6.** Use Correct Component with same serial number matching component and then sew the component. After sewing the component self check the stitching quality before passing the component to next operation.
- PC7..** During the stitching process for any doubts, unclear instruction and clarification ask questions to the supervisors.

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Delivery schedule, daily and hourly target production & quality requirements.
- KU2.** Plan to ensure the stitching wastage is reduced to minimum
- .
- KU3.** Contact person in case of queries on stitching procedure or products Specification and for resolving issues related to defective components, machines setting, tools and/or equipment

## Qualification Pack

- KU4.** The types of knit fabrics like lycra, cotton jersey knit, interlock, Polyester, etc. and their handling methods
- KU5.** Fabric defects like holes, stains, broken end, streaks, etc. & knowledge about stitching defects like roaping, broken stitch, skip stitch, puckering, etc.
- KU6.** Needle types, bobbin winding, machine control, work aids, folders, etc.
- KU7.** Attachments that are used for stitching knit fabric garments, made ups and home furnishing products, like piping, rib collars, etc.
- KU8.** Various types of sewing machines (for knit fabrics), for eg, 4- thread overlock machine, 5- thread overlock machine, flat lock, chain stitch machine, single needle lock stitch etc.

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** Read and comprehend the instructions received in the job card and act accordingly
- GS2.** Read and comprehend the materials required as per each style that is to be stitched
- GS3.** Communicate effectively with the supervisors/co-workers/helpers
- GS4.** Seek clarification from supervisors or co-workers in an appropriate manner
- GS5.** Provide detailed information to supervisors/co-workers in a logical manner regarding to the production and quality.
- GS6.** Follow decisions made for right machines and settings as per the operation need and material requirement
- GS7.** Understand customer defined and indirect requirements for quality
- GS8.** Skills to rectify the faults occurred in sewing components.
- GS9.** Report and seek a solution from the supervisor in case of major faults such as missing machine parts, missing/faulty/repeated cut parts of the garment, etc
- GS10.** Analyze the working of the sewing machine prior the sewing process to check if it is meeting the quality requirements
- GS11.** Critically evaluate the type and condition of needle that is to be used to stitch the cut parts

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Checking of machines and test sewing</i>	<b>20</b>	<b>70</b>	-	<b>10</b>
<b>PC1..</b> Check the machines setting according to manufacturers instructions and production requirements of knitted components if any issues with setting inform mechanic or supervisor for correct the setting.	5	10	-	1
<b>PC2.</b> Ensure machine needles, foot, spools etc. are fixed tightly for safe working	5	10	-	2
<b>PC3.</b> Ensure the materials used meet the specification matching within a product and between a pair of products where applicable. If any deviation in meeting specification inform supervisor or Quality Controller of line	3	10	-	1
<b>PC4. .</b> Ensure the threads are used as per the provided thread quality and color as per requirements for the garment styles	2	10	-	2
<b>PC.5.</b> Before starting the production check the stitching quality after stitching on waste fabric.	1	20	-	1
<b>PC.6.</b> Use Correct Component with same serial number matching component and then sew the component. After sewing the component self check the stitching quality before passing the component to next operation.	3	8	-	2
<b>PC7..</b> During the stitching process for any doubts, unclear instruction and clarification ask questions to the supervisors.	1	2	-	1
<b>NOS Total</b>	<b>20</b>	<b>70</b>	-	<b>10</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AMH/N0305
<b>NOS Name</b>	Plan and Prepare for process of sewing of knit fabrics as per plan received from stitching/line supervisor
<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel
<b>Occupation</b>	Sewing
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	30/09/2021



## Qualification Pack

### AMH/N0306: Stitch knitted fabrics as per plan

#### Description

This unit is about quantification and measurement of skills and competencies enabling one to stitch knit fabrics to meet quality and productivity target.

#### Scope

The scope covers the following :

- Elements of Skills needed to stitch the knit fabric panels

#### Elements and Performance Criteria

##### *Elements of competencies needed to stitch the knit fabric panels*

To be competent, the user/individual on the job must be able to:

- PC1..** Skill of working on machinery as per the garment or made ups and home furnishing product.
- PC2.** Skill of working on of appropriate attachments according to the garment requirements like binder, folder, essential mechanism tools, etc.
- PC3.** Correct positioning and layout of materials to ensure smooth and productive working as directed by Industrial Engineer.
- PC4. .** Carry out Stitching of the correct materials in the right sequence as required by the product specification as per the specified stitch type (stitch classes), hems and seams
- PC.5.** Perform complex stitching operations with precision and accuracy
- PC.6.** Ensure stitched product meets specification as per the tech pack and in terms of stitch per inch, labels and trimmings
- PC7..** Ensure stitching as per the seam allowance directed by supervisor.
- PC8. .** Check the stitched components meet as per the standards and specification mentioned in the job card
- PC9..** Make adjustments promptly to ensure the stitching work matches the specification
- PC10..** Maintain the required productivity and quality levels as directed by Industrial Engineer/supervisor / Quality Controller

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Organization's protocol or procedures that are to be followed as and when for a broken needle replenishment.
- KU2.** The types of sewing machines (single needle, double needle locks stitch machine, etc.) and related machines (button attachment machine, button hole maker machine, etc.) available in the organization
- KU3.** The quality system and sewing processes practiced in the organization

## Qualification Pack

- KU4.** The sequence of operations followed for knit fabric garment , made ups and home furnishing Product and their construction/stitching
- KU5.** Defects caused during stitching like skip stitch, loose stitch, etc.& knowledge about the fabric defects like holes, color shade, slub, contamination fibers, etc.
- KU6.** Needles like needle numbering, needle types used in Knit Fabric, etc.
- KU7.** Correction/alterations of stitching faults& reasons for faults occurred
- KU8.** Stitch types (lock stitch, chain stitch, etc.), seam quality (seam slippage, seam strength, etc.)
- KU9.** Consequences of incorrect settings in the stitching machines of knitted Fabric.
- KU10.** Appropriate self-checking methods that can be used

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** Read records related to quality parameters and product specification
- GS2.** Aware even the slightest changes made during stitching& inform the Supervisors and Quality Controller.
- GS3.** Read, understand and implement each and every detail mentioned in the ob card while stitching the garment
- GS4.** Read, and understand written instructions related to non criteria, quality standards etc
- GS5.** Appropriate communication with supervisors, co-workers, helpers, etc.
- GS6.** Seek / provide detailed information when have doubt regarding the received job card or method or process
- GS7.** Seek for decisions from Supervisor or Quality Controller for selecting right settings as per the operation need and material requirement.
- GS8.** Follow organizations rule-based decision making process during the stitching Process of the knit fabric panels to avoid any confusion
- GS9.** Organize the cut panels as directed by the supervisor for a smooth and uninterrupted stitching work process
- GS10.** Organize and bundle of the stitched panels as per directed by Supervisor to ensure in a way that it is easy for the helper to collect and transfer the panels to next operator or department
- GS11.** Stitch the fabric panels according to the quality requirements as directed by supervisor or Quality controller.
- GS12.** Seek and understand the quality related inputs for clarification from the concerned supervisors or Quality Controller.
- GS13.** Understand the importance of maintaining quality of the stitched components
- GS14.** Read and understand the job card received thoroughly, to avoid any confusion consult the supervisor.
- GS15.** Self-Check the stitched piece/component against the specification mentioned in the job card/techpack and ensure there is no mistake committed during stitching process
- GS16.** Identify root cause of a problem related to sewing operation or material affecting quality& Seek for help of supervisor for any Issues

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Elements of competencies needed to stitch the knit fabric panels</i>	<b>27</b>	<b>94</b>	-	<b>14</b>
<b>PC1..</b> Skill of working on machinery as per the garment or made ups and home furnishing product.	4	4	-	1
<b>PC2.</b> Skill of working on of appropriate attachments according to the garment requirements like binder, folder, essential mechanism tools, etc.	4	5	-	2
<b>PC3.</b> Correct positioning and layout of materials to ensure smooth and productive working as directed by Industrial Engineer.	2	5	-	1
<b>PC4. .</b> Carry out Stitching of the correct materials in the right sequence as required by the product specification as per the specified stitch type (stitch classes), hems and seams	2	20	-	1
<b>PC.5.</b> Perform complex stitching operations with precision and accuracy	3	20	-	2
<b>PC.6.</b> Ensure stitched product meets specification as per the tech pack and in terms of stitch per inch, labels and trimmings	4	9	-	2
<b>PC7..</b> Ensure stitching as per the seam allowance directed by supervisor.	2	9	-	2
<b>PC8. .</b> Check the stitched components meet as per the standards and specification mentioned in the job card	2	9	-	1
<b>PC9..</b> Make adjustments promptly to ensure the stitching work matches the specification	2	5	-	1
<b>PC10..</b> Maintain the required productivity and quality levels as directed by Industrial Engineer/supervisor / Quality Controller	2	8	-	1
<b>NOS Total</b>	<b>27</b>	<b>94</b>	-	<b>14</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AMH/N0306
<b>NOS Name</b>	Stitch knitted fabrics as per plan
<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel
<b>Occupation</b>	Sewing
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	30/09/2021

## Qualification Pack

# AMH/N0307: Maintain health, safety and security in the production line with Gender and PwD Sensitization

## Description

This unit provides performance criteria, knowledge & understanding, skills & abilities required to check and ensure the health, safety and security in the production line.

## Scope

The scope covers the following :

- Maintenance of health, safety and security & gender & PwD sensitization in the workarea

## Elements and Performance Criteria

### *Maintenance of health, safety and security & gender & PwD sensitization in the workarea*

To be competent, the user/individual on the job must be able to:

- PC1..** Ensure safe and secure handling and storage of stitching machines and related tools and equipment like thread cutters, shears, seam rippers, etc. and comply with health, safety gender and PwD (People with disability) related instructions applicable to the workplace.
- PC2.** Use and maintain personal protective equipment as per company protocol like nose masks, lock guard, eye protective wear, etc.
- PC3.** Check the workplace and work area for potential risks and threats like physical injuries from the machine and tools, fire, etc.
- PC4. .** Identify and correct (if possible) malfunctions in sewing machines and other related equipment like loose stitch, missing parts, etc.
- PC.5.** Ability to reflect on own gender identity and gender role. & Practice, acceptance & internalization of gender & Its concepts
- PC.6.** Undertake first-aid, fire-fighting and emergency response training & Actively participate in mock-drills/evacuation procedures organized at the workplace, Also engage & participate to end gender discrimination & communicate in gender inclusive terms

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Hazards like physical injuries, electric shock, etc. associated with operation and handling of sewing machines & their Procedures and Knowledge about the importance of gender equality being followed in the organization and policies for reporting any harassment or inappropriate behavior.
- KU2.** Compliance requirements related to stitching.
- KU3.** Standard Operating procedures for safe handling of equipment and machine operations and Knowledge about how to accommodate employees with disabilities; etiquette to adhere to and proper language and terminology.
- KU4.** Environmental management system related procedures at the workplace

## Qualification Pack

- KU5.** Use of personal protective equipment like nose mask, lock guard, etc.
- KU6.** Procedure about safe and secure use of different tools and equipment related to stitching like scissors, thread cutters, etc.
- KU7.** Signage related to health and safety and their meaning and Knowledge about promoting a safe, accessible and healthy workplace for disabled employees.
- KU8.** Occupational health and safety risks and methods and Knowledge about how to communicate, offer help, respecting space, parking etc. for people with disabilities or special needs.
- KU9.** Practice, acceptance and internalization of gender and its concepts communicate in gender inclusive terms
- KU10.** Deep Understanding of actions, consequences of gendered behavior and knowledge of gender concepts

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** Inform to supervisor or quality controller even the slightest changes made during stitching.
- GS2.** Create a positive and inclusive workplace atmosphere without any kind of bias/discrimination towards any employee
- GS3.** Read, understand and follow the safety signage put in the organization and actively take part in any discussion/workshop organized for gender sensitization training
- GS4.** Communicate effectively to superiors, colleagues and juniors related to health and safety
- GS5.** Able to speak using technical health and safety terms while seeking or providing clarification and read and comprehend written instructions related to gender equality issues in the organization.
- GS6.** Evaluate and use correct ppe and other safety gear while in the production line
- GS7.** Make sure timely inform in responding to emergencies/ accidents in line with organization
- GS8.** Participate in health and safety drills according to the required schedule
- GS9.** Work with supervisors/team mates to carry out health and safety measures
- GS10.** Work on Organized the stitching work so as to avoid last hour rush and the accidents caused then
- GS11.** Ensure and follow organizational procedures pertaining to health and safety are followed further following the customer health and safety norms
- GS12.** Take appropriate actions and inform to supervisor during emergencies, accidents or fire at the in the production line
- GS13.** Resolve issues pertaining to small malfunctions in machineries and report to the concerned supervisors if required
- GS14.** Identify and report any harassment or inappropriate behavior towards any employee and create a positive and inclusive workplace atmosphere without any kind of bias/discrimination towards any employee with disability or special needs.
- GS15.** Analyze and follow the measures adopted to resolve or avoid further damage
- GS16.** Actively take part in any discussion/workshop organized for disability sensitization training and Read and comprehend written instructions related to equality issues in the organization related to disabled persons.

## Qualification Pack

- GS17.** Basic knowledge of gender and its concepts and Identify and report any distinction, exclusion, harassment or inappropriate behavior towards any employee.

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintenance of health, safety and security &amp; gender &amp; PwD sensitization in the workarea</i>	<b>11</b>	<b>39</b>	-	<b>5</b>
<b>PC1..</b> Ensure safe and secure handling and storage of stitching machines and related tools and equipment like thread cutters, shears, seam rippers, etc. and comply with health, safety gender and PwD (People with disability) related instructions applicable to the workplace.	1	6	-	0.5
<b>PC2.</b> Use and maintain personal protective equipment as per company protocol like nose masks, lock guard, eye protective wear, etc.	2	5	-	1
<b>PC3.</b> Check the workplace and work area for potential risks and threats like physical injuries from the machine and tools, fire, etc.	2	4	-	1
<b>PC4. .</b> Identify and correct (if possible) malfunctions in sewing machines and other related equipment like loose stitch, missing parts, etc.	3	15	-	1
<b>PC.5.</b> Ability to reflect on own gender identity and gender role. & Practice, acceptance & internalization of gender & Its concepts	1	4	-	0.5
<b>PC.6.</b> Undertake first-aid, fire-fighting and emergency response training & Actively participate in mock-drills/evacuation procedures organized at the workplace, Also engage & participate to end gender discrimination & communicate in gender inclusive terms	2	5	-	1
<b>NOS Total</b>	<b>11</b>	<b>39</b>	-	<b>5</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AMH/N0307
<b>NOS Name</b>	Maintain health, safety and security in the production line with Gender and PwD Sensitization
<b>Sector</b>	Apparel
<b>Sub-Sector</b>	Apparel
<b>Occupation</b>	Sewing
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>Deactivation Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	30/09/2021

### Assessment Guidelines and Assessment Weightage

#### Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS. examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each.
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% aggregate in QP.

## Qualification Pack

7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

### Minimum Aggregate Passing % at QP Level : 70

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

## Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AMH/N0102.Maintain work area, tools and machines	14	49	0	7	70	17
AMH/N0104.Comply with industry, regulatory and organizational requirements and Greening of Job roles	20	10	0	10	40	10
AMH/N0305.Plan and Prepare for process of sewing of knit fabrics as per plan received from stitching/line supervisor	20	70	0	10	100	25
AMH/N0306.Stitch knitted fabrics as per plan	27	94	0	14	135	34
AMH/N0307.Maintain health, safety and security in the production line with Gender and PwD Sensitization	11	39	0	5	55	14
<b>Total</b>	<b>92</b>	<b>262</b>	<b>-</b>	<b>46</b>	<b>400</b>	<b>100</b>

## Qualification Pack

### Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training
<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

## Qualification Pack

<b>Knowledge and Understanding (KU)</b>	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
<b>Organisational Context</b>	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
<b>Electives</b>	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
<b>Options</b>	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.
<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.

## Qualification Pack

<b>National Occupational Standard</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an N
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
<b>Knowledge and Understanding</b>	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and Organizational specific knowledge that an individual needs in order to perform to the required standard.
<b>Organizational Context</b>	Organizational context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills</b>	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
<b>Electives</b>	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
<b>Options</b>	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options