

Revised by NSDA 25<sup>th</sup> May, 2015

**QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY**

**Name and address of submitting body:**

**Apparel, Made ups & Home furnishing Sector Skill Council**

**Apparel House 4<sup>th</sup> Floor**

**Sector 44, Institutional Area**

**Gurgaon**

**Name and contact details of individual dealing with the submission**

**Name: Ms Nidhi Trehan / Mr. Atul Madan**

**Position in the organisation - Joint Director Projects / Deputy Director Projects & Training**

**Address if different from above**

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**List of documents submitted in support of the Qualifications File**

1. Qualification Pack
2. Occupational Map
3. Assessment Criteria
4. Industry Endorsements – already submitted

## 5. QUALIFICATION FILE SUMMARY

<b>Qualification Title</b>	<b>- Embroidery Machine Operator (Zigzag Machine)AMH/Q0801</b>		
<b>Body/bodies which will assess candidates</b>	Apparels, Made ups & Home Furnishings Sector Skill Council		
<b>Body/bodies which will award the certificate for the qualification.</b>	Apparels, Made ups & Home Furnishings Sector Skill Council		
<b>Body which will accredit providers to offer the qualification.</b>	Apparels, Made ups & Home Furnishings Sector Skill Council		
<b>Occupation(s) to which the qualification gives access</b>	MACHINE EMBROIDER		
<b>Proposed level of the qualification in the NSQF.</b>	4		
<b>Anticipated volume of training/learning required to complete the qualification.</b>	270 hours		
<b>Entry requirements / recommendations.</b>	Preferably Class V Minimum entry age as per the law – 18 years		
<b>Progression from the qualification.</b>	Can also work as a framer – computerized embroidery machine operator. (Progression as per horizontal mobility)		
<b>Planned arrangements for RPL.</b>	5 days (1-3 day – Capsule Training, 4 <sup>th</sup> – written test, 5 <sup>th</sup> day – practical)		
<b>International Comparability</b>	It is yet to be established		
<b>Formal structure of the qualification</b>			
<b>Title of unit or other component</b> (include any identification code used)	<b>Mandatory/ Optional</b>	<b>Estimated size (learning hours)</b>	<b>Level</b>
AMH/N 0801 (Carry out different types of embroidery stitches using an embroidery machine)	Mandatory	60 Hrs	4
AMH/N 0802 (Embroider decorative designs using embroidery machine)	Mandatory	80 Hrs	4
AMH/N 0803 (Contribute to achieve quality in embroidery work)	Mandatory	70 Hrs	4
AMH/N 0804 (Maintain work area, tools & machines)	Mandatory	30 Hrs	4
AMH/N 0805 (Maintain health, safety and security at workplace)	Mandatory	30 Hrs	4

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum or Qualification Pack.

Give details of the document here:

## **SECTION 1**

### **ASSESSMENT**

#### **Name of assessment body:**

If there will be more than one assessment body for this qualification, give details.

Apptex Manpower Development Services Ltd  
Trendsetters Skill Assessment Pvt Ltd  
METTL  
Skill Mantra  
Methods Apparel Consultancy India Pvt Ltd  
PVR Skill Central Pvt Ltd  
The Assessors Guild  
Think Skills  
Prima Competencies Pvt Ltd  
Base Research  
IQAG  
Fashion Futures

#### **Will the assessment body be responsible for RPL assessment?**

Give details of how RPL assessment for the qualification will be carried out and quality assured.

The workers will be assessed by empaneled Assessing Bodies and skill gaps will be analyzed, Those who are not passing, for them based on skill gaps a short term training will be conducted for 1-5 days depending on the requirement, to bridge the gap. The workers will then be reassessed and after passing the assessment will be certified by AMHSSC.

#### **Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:**

##### **1. Introduction**

1.1 This methodology is for "Assessing bodies & Assessors" to provide them a clear understanding of assessment policy for AMSSC certification of trainees.

1.2 For assessments to be fair, the assessment bodies are to ensure that the assessment process is valid, reliable, flexible and fair. Assessments are to be planned in conjunction with the training timelines and periodicity, as defined for specific trainings based on National Occupational Standards (NOS).

Assessors must ensure that assessment decisions involve collection and evaluation of sufficient evidence to enable a judgement to be made on the student's competence. An assessment should not place unnecessary demands on students which may prevent them from demonstrating competence.

##### **2. Key Components of the Assessment Process**

(a) Competence: Individuals are considered competent when they are able to consistently apply their knowledge and skills to the standard of performance required in the workplace. Both workplace and off the job training and assessment shall aim to ensure that individuals participating in the training have the competence to undertake their work role to the standard expected in a range of employment situations.

(b) Competency based Assessment: Is the process of collecting evidence and making judgements on whether competence has been achieved. This confirms that an individual can perform to the standard expected in the workplace as expressed in the National Occupational Standards.

(c) Collection of Evidence: Evidence collected may be direct, such as observation of workplace performance/hands on exercises or indirect, such as formal testing. The evidence gathered is to be valid,

sufficient, current and authentic.

(d) Judging Competence: An individual is considered competent after he/she has completed an assessment that verifies that all aspects of the Occupational Standards can be applied in an industry context. Assessment may involve a variety of assessment methods. Evidence is to be used by an assessor to make a judgement about whether a student is competent.

(e) Methodology of Assessment: Can vary from assessor to assessor. However, the process is to broadly comprise of Knowledge & Skill assessments, with the later involving practical's/on work assessment.

(f) Standards against which the students are to be assessed: National Occupational Standards pertaining to the concerned job role.

### **3. Planning Assessments**

3.1 For assessments to be effective, the assessing body is to ensure following –

(a) Clear understanding Knowledge & Skills as defined in National Occupational Standards

(b) Selecting right assessment method. This is a key activity and would involve the following –

(i) Identify unit(s) of competency to cluster for assessment.

(ii) Develop competency profile.

(iii) Identify evidence requirements.

(iv) Review and select assessment methods.

(v) Select assessment tools and record evidence matrix.

(vi) Develop assessment plan.

3.2 The assessing body will have defined methods and mechanism to evaluate the competence of candidate's skill and knowledge.

(a) The assessing body shall have "question banks" for random selection of questions to evaluate knowledge levels for specific job roles. Process for regular maintenance and update the question bank should be defined.

(b) The assessing body shall have an appropriate mechanism to ensure that the assessors prepare results within stipulated time and send these to the assessing body.

(c) The assessing bodies shall have a mechanism to consolidate results and enter the result in web based software and communicate to concerned agencies.

3.3 Assessment: Assessments are to be a mix of knowledge and skills. For each job role, this mix is predefined in consultation with all stakeholders.

AMSSC decision will be final and binding in this regard.

3.4 Assesse details: The assessment agency is to obtain details of candidates to be assessed from training provider.

3.5 Assessment Plan : With all the above inputs, the assessing body is to have an assessment plan, covering the following :-

(a) what will be assessed, i.e., Performance criteria, Knowledge and Skills as defined in NOS

(b) how assessment will occur, i.e. the methods that will be used

(c) when the assessment will occur

(d) where the assessment will take place, i.e. the context of the assessment;

(e) the criteria for decision making, i.e. those aspects that will guide judgements; and

### **4. Empanelling of Assessors for AMSSC**

4.1 Empanelling of assessors is the most crucial activity and is central to the success of the assessing process. The assessing body should have well-defined process for enrolling/empanelling assessors. The assessing body should have on-role/empanelled assessors with expertise in/similar to Apparel and Made ups domain or should be able to empanel such assessors within 60 days from affiliation. Due diligence is to be ensured by assessing bodies while empanelling the assessors.

4.2 The Assessor will be appointed on approval by the panel where the assessor will be judged on basis of his basic educational qualification, overall experience in the field, practical competency, market knowledge & his ability to handle the students/VTP(s).

4.3 Generic aspects for the assessors are to be ensured as follows –

(a) Familiarity with assessment schemes.

- (b) Thorough knowledge of the relevant assessment/ examination methods and examination documents.
- (c) fluent in communication in the language of examination, and
- (d) free from any interest so that they can make impartial and non-discriminatory judgment / assessment.

4.4 On successful evaluation, assessors will be affiliated with AMSSC for specific job roles/NVQF level. Each assessor will be awarded a unique identity number.

#### **5. Conduct of Assessments**

- 5.1 The assessments are to be conducted by pre-approved (by AMSSC) assessors for specific job roles.
- 5.2 Assessments are to be based on the criteria defined by AMSSC.
- 5.3 The theoretical assessments, if manual, are to follow different question paper for each candidate
- 5.4 Skill assessments are to be based on practical, hands-on work by candidates. For soft skills, role plays, structured activities, on-field assessments etc. are to be considered.
- 5.5 For candidates who are not literate, assessment should be done based on observation of practical skills.
- 5.5 Evidence gathering and recording of evidence is to be ensured.
- 5.6 The entire assessment process is to be video-graphed.

#### **6. Assessment Records & Results**

- 6.1 Record of all candidates having enrolled and gone through the training process is to be separately maintained by the assessing body.
- 6.2 Documentation, which needs to be maintained for each specific assessment include the following –
  - (a) Reference to relevant QP/NOS
  - (b) Competency profile for the job role
  - (c) Assessment tools, equipment, checklist
  - (d) Assessment plan & details of Assessor
  - (e) Record of evidence presented and assessed
  - (f) Records and reporting of assessment decision
  - (g) Appeals information
  - (h) Assessments filled by Assessor for trainees

### **The Process**

#### **1. Skill Assessment Examination Pattern**

Theory and Practical assessment: The assessment will have 2 separate sections.

#### **Section A – Theory**

25 Objective type questions of 1 Marks each. Total 25 Marks. [Time duration – 45 min]

The objective type theory questions shall be drawn in prescribed format from the available question bank by AMSSC, Govt. of India or in case of unavailability of the same the expert assessors will make the question paper. For this work a team of educationalist (Teachers / Diploma / Degree holders / Professors / Ph.D) of the same field are contacted and they prepare the question bank.

Section B – Practical Exam and  
Viva Voce

5 practical questions, the candidate has to perform any 3, each practical is of 20 marks. Total 60 marks. [Time duration – 2 hrs for all given 3 practical tasks]

The marks will be distributed as per following –

Theory	Viva Voce	Practical Marks (60)			Total Marks
		Written & Practical	Quality & Safety	Attitude	
25	15	50	5	5	100

The candidate has to write the methodology adopted with tools used in a separate answer sheet.

The practical questions shall be drawn from the prescribed question bank by AMSSC, Govt. of India or in case of unavailability of the same the expert assessors will make the questions for the same.

## 2. Minimum passing marks for candidates

As per MES guidelines the minimum passing marks in each

Theory – 40%

Practical – 60%

In order to get certified the candidate has to secure minimum passing marks in theory and practical paper separately. Passing marks minimum 50% average.

## 3. The essential Documentation and procedures

### a. Pre Exam

- Contacting VTPs for scheduling of the exam dates for generation of ABN nos.
- Allocation of Assessor for the particular ABN(s)
- Setting of theory and practical paper based on NOS curriculum & drawn from question banks provided by AMSSC, Govt. of India and in absence of the same will be set by the expert assessor's panel.
- Preparation of customised exam related documents, generation of attendance sheets & results sheets with other allied documents. Sealing of paper set envelopes (theory & practical) of various trades along with other necessary documents by the confidential section of the assessing agency.

### b. During Examination

- Opening of the sealed question paper envelope/s in the presence of Principal/Centre Head with their signature and seal.
- Accountability statement/Guidelines for the invigilators/examiners/assessors (Annex – 1).
- Attendance of the candidates with verification (Annex – 1)
- Declaration by the candidate. (Annex – 1)
- After examination all the papers, documents (including practical madeups) will be sealed back in an envelope & will be taken back by the assessing body for valuation and post exam work.

### c. Post Exam

- Valuation of theory papers/practical papers by the assessors: The theory paper and practical will be evaluated by the allocated authorised assessors on the same day and the marks will be entered in the

prescribed format. (Annex – 1)

- Preparation of results in prescribed format. (Annex – 1)
- Verification of results by Assessing body

#### **4. Results**

The result will be prepared by assessing agency within 3 days in prescribed format (as per guidelines) and the same will be send to AMSSC in soft copy.

Documentation required in the process of assessment

Accountability statement

Candidate Attendance Sheet

Declaration form to be filled by candidates

Exam Result Sheets

Practical Exam Sheets

Feedback Sheets (optional) for students & VTP

Assessor Empanelment Format

Observation Checklists

Tests (Written papers/records)

Evidence Record Sheets

Result Submission format

Please attach any documents giving further information about assessment and/or RPL.

Give details of the document(s) here:

#### **ASSESSMENT EVIDENCE**

**Complete the following grid for each grouping of NOS, assessment unit or other component as per the assessment criteria. Insert the required number of rows.**

## CRITERIA FOR ASSESSMENT OF TRAINEES

### Embroidery Machine Operator (zig zag machine)

#### AMH/Q0801

#### AMHSSC

#### Guidelines for Assessment

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. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5. To pass the Qualification Pack, every trainee should score a minimum of 50% in every NOS.
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessable Outcomes	Assessment Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. AMH/NN 0801 (Carry out different types of embroidery stitches using an embroidery machine)	PC1. Analyse & interpret the given design which needs to be embroidered & the type of embroidery that is required to be done	<b>90</b>	7	2	3	2
	PC2. Check the materials required for embroidery with the given specifications		5	1	3	1
	PC3. Setup the embroidery machine to the suited setting for carrying out the embroidery to be done		5	1	3	1
	PC4. Use the embroidery machine to carry out dotted stitch on given fabric / material		5	1	3	1
	PC5. Operate the embroidery machine to embroider different designs as per given pattern/art work such as variations of round leafs & pointed leafs		7	2	3	2
	PC6. Embroider any given pattern on fabric using the correct thread & materials, using the embroidery machine.		6	1	3	2
	PC7. Carry out appliqué work in machine embroidery & its variation		5	1	3	1
	PC8. Carry out Dori work in machine embroidery as per given design/art work		5	1	3	1
	PC9. Carry out mirror work through machine embroidery as per given design		5	1	3	1



	PC10. Execute cut work through machine embroidery as per the given design		5	1	3	1
	PC11. Carry out round stitch in machine embroidery		5	1	3	1
	PC12. Conform to company quality standards		7	3	3	1
	PC13. Check with in charge /others when unsure of new product details		6	1	3	2
	PC14. Minimise and dispose the waste materials in the approved manner		5	1	3	1
	PC15. Carry out Operations at a rate which maintains workflow		5	1	3	1
	PC16. Respond appropriately if the embroidery do not meet product specification & take corrective action		7	2	3	2
	Total		<b>90</b>	<b>21</b>	<b>48</b>	<b>21</b>
<b>2. AMH/N0802 (Embroider decorative designs using embroidery machine)</b>						
	PC1. Make sure the work area is free from hazards		5	1	3	1
	PC2. Follow the instructions & design specifications given for the embroidery to be done		5	3	1	1
	PC3. Ask questions to obtain more information on tasks when the instructions you have are unclear		3	1	1	1
	PC4. Agree and review your agreed upon work targets with your supervisor and check for special instructions, if any		4	1	2	1
	PC5. Use the correct tools and equipment's		5	1	3	1
	PC6. Check that equipment is safe and set up in readiness for use		4	1	2	1
	PC7. Select the correct component parts/fabric/material for embroidery	<b>100</b>	6	1	3	2
	PC8. Check that the materials to be used are free from faults		4	1	2	1
	PC9. Ensure the materials used meet the specification matching a. Embroidery Artwork b. Design sample of the embroidered product Operate the embroidery machine skilfully to achieve the requisite quality of embroidery work		4	2	1	1
	PC10. Carry out test sews		4	1	2	1
	PC11. Check needles and threads regularly		4	1	2	1
	PC12. Check if fabric / Component is correctly marked and pieces cut as required		5	1	3	1
	PC13. Report faults in the materials		4	1	2	1
	PC14. Conform to company quality standards		4	1	2	1
	PC15. Report any damaged work to the responsible person		4	1	2	1

	PC16. Follow company reporting procedures about defective tools and machines which affect work and report risks/ problems likely to affect services to the relevant person promptly and accurately		3	1	1	1
	PC17. Leave work area safe and secure when work is complete		4	1	2	1
	PC18. Operate embroidery machines safely and in accordance with guidelines		6	1	3	2
	PC19. Optimize the positioning and layout of materials to ensure a smooth and rapid throughput		5	3	1	1
	PC20. Check the equipment prior to making the stitching, including correct controls, correct attachments, correct needle & thread		4	1	2	1
	PC21. Ensure the embroidered design conforms to the artwork specifications National Occupational Standard		4	1	2	1
	PC22. Inspect embroider products against specifications		4	1	2	1
	PC23. Perform all embroidery operations with precision & accuracy		5	1	3	1
	<b>Total</b>		<b>100</b>	<b>28</b>	<b>47</b>	<b>25</b>
<b>3. AMH/N0803 (Contribute to achieve quality in embroidery work)</b>	PC1. Identify and use materials required based on the specifications	<b>100</b>	10	5	2	3
	PC2. Take the necessary action when materials do not conform to quality standards		5	3	1	1
	PC3. Report and replace identified faulty materials and component parts which do not meet specification		6	1	2	3
	PC4. Identify modifiable defects and rework on them		5	1	3	1
	PC5. Carry out work safely and at a rate which maintains work flow		10	2	5	3
	PC6. Report to the responsible person when the work flow of other production areas disrupts work		5	2	2	1
	PC7. Test, sort, track feed and examine work in progress		6	1	4	1
	PC8. Carry out quality checks at specified intervals according to instructions		6	1	4	1
	PC9. Apply the allowed tolerances		6	1	4	1
	PC10. Identify faults and take appropriate action for rectification		6	1	4	1
	PC11. Make adjustments promptly to ensure the embroidery work matches the specification		5	1	3	1
	PC12. Fault-find materials and components for creased, stained, damage and incorrectly made-up component arts		10	5	2	3
	PC13. Report faults in other processes to the appropriate person		5	1	3	1
	PC14. Maintain the required productivity and quality levels		5	1	3	1

	PC15. Complete and maintain documentation		10	5	2	3
	<b>Total</b>		<b>100</b>	<b>31</b>	<b>44</b>	<b>25</b>
<b>4. AMH/N0804 (Maintain work area, tools and machines)</b>	PC1. Handle materials, machinery, equipment and tools safely and correctly	<b>50</b>	4	1	2	1
	PC2. Use correct lifting and handling procedures		3	1	1	1
	PC3. Use materials to minimize waste		4	1	2	1
	PC4. Maintain a clean and hazard free working area		4	1	2	1
	PC5. Maintain tools and equipment		4	1	2	1
	PC6. Carry out running maintenance within agreed schedules		4	1	2	1
	PC7. Carry out maintenance and/or cleaning within one's responsibility		4	2	1	1
	PC8. Report unsafe equipment and other dangerous occurrences		4	2	1	1
	PC9. Ensure that the correct machine guards are in place		3	1	1	1
	PC10. Work in a comfortable position with the correct posture		4	2	1	1
	PC11. Use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1
	PC12. Dispose of waste safely in the designated location		3	1	1	1
	PC13. Store cleaning equipment safely after use		3	1	1	1
	PC14. Carry out cleaning according to schedules and limits of responsibility		3	1	1	1
	<b>Total</b>		<b>50</b>	<b>17</b>	<b>19</b>	<b>14</b>
<b>5. AMH/N0805 (Comply with health and safety related instructions applicable to the workplace )</b>	PC1. Comply with health and safety related instructions applicable to the workplace	<b>60</b>	3	1	1	1
	PC2. Use and maintain personal protective equipment as per protocol		3	1	1	1
	PC3. Carry out own activities in line with approved guidelines and procedures		4	1.5	2	0.5
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		4	2	1	1
	PC5. Follow environment management system related procedures		3	1.5	1	0.5
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		4	2	1	1
	PC7. Report any service malfunctions that cannot be rectified		3	1	1	1
	PC8. Store materials and equipment in line with manufacturer's and organisational requirements		3	1	1	1
	PC9. Safely handle and move waste and debris		4	1	2	1

	PC10. Minimize health and safety risks to self and others due to own actions		3	1	1	1
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		4	1	2	1
	PC12. Monitor the workplace and work processes for potential risks and threats		3	1	1	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		3	1	1	1
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		3	1	1	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace				1	1
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		4	1	2	1
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		3	1	1	1
	PC18. Follow organisation procedures for shutdown and evacuation when required		3	1	1	1
	Total		<b>60</b>	<b>21</b>	<b>22</b>	<b>17</b>
<b>Grand Total</b>			<b>400</b>	<b>118</b>	<b>180</b>	<b>102</b>

## SECTION 2

### EVIDENCE OF NEED

#### **What evidence is there that the qualification is needed?**

While collecting data from the companies for the occupational map, we also took feedback from industry, which was collected with respect to roles for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the Industry feels they face. Governing council of AMHSSC gave final approval and endorsement for the same. The number of industries which validated the job role are 30. (Small – 10 , Medium – 10 and Large – 10)

#### **What is the estimated uptake of this qualification and what is the basis of this estimate?**

Skills Gap analysis Reports for industry demand and secondary research data, though these do not lend to accurate demand projection.

- Feedback from industry for demand though again sample size may not lend to accurate figures
- Training duration, and current and potential training capacity envisaged
- An LMIS development initiative is being put in place to be more precise regarding the demand and supply

The employment in clothing and textile industry will be 21.54 million by 2022 and there is an incremental human resource requirement of 6.31 % from the year 2013 till year 2022. Manufacturing of wearing apparels will require 4.58 million people by the year 2022.

#### **What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?**

- NSDC list of Approved and Under-Development QPs was checked prior to commissioning the work

- NSDC QRC team also confirmed the same

**What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?**

- Agencies have been appointed by the SSC to interact with training providers to gather feedback in implementation.
- Monitoring of results of assessments
- Employer feedback will be sought post-placement
- A formal review is scheduled in two year time

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

### SECTION 3

#### **SUMMARY EVIDENCE OF LEVEL**

Justify the NSQF level allocated to the QP by building upon the five descriptors of NSQF. Explain the reasons for allocating the level to the QP.

Generic NOS is/are linked to the overall authority attached to the job role.

<b>EMBROIDERY MACHINE OPERATOR (ZIG ZAG MACHINE)</b>					
<b>AMH/Q0801</b>					
<b>Process required</b>	<b>Professional Knowledge</b>	<b>Professional Skills</b>	<b>Core Skills</b>	<b>Responsibility</b>	<b>Level</b>
The skills of Embroidery Machine Operator (Zigzag Machine) are required to Operates embroidery machine to embroider name, initial, or decorative designs on garments, household articles, material, or uniforms and to	Embroider Machine Operator (Zigzag machine) should have the knowledge of different types of embroidery techniques & associated stitch type, the . Zig-zag machine embroider, ,types of thread used in Machine Embroidery. He	Embroidery Machine Operator (Zigzag Machine) plans and organizes his work based on company procedure. His work to achieve targets and deadlines. He analyzes the artwork, design requirements , the raw materials to be used and organizes his keeping in mind no. Of stitches, thread color, types of embroidery stitches ect. ,	Embroider Machine Operator (Zigzag machine) is able to read and interpret the specifications sheet, art work details for the type of embroidery and create the design on the fabrics as per the requirements. He is also able adjust the required stitches in the design according to the specifications or that design. He can communicate	An Embroidery Machine Operator is responsible for operating the embroidery machine to embroider decorative designs on fabric/garments in the apparel industry. The embroidery machine operator is able to perform different kinds of stitches and decorative work such as running	Level 4

<p>stitch cording, braid, or emblems on material or garments, following stamped design or working freehand without guide or markings: Reads work order to determine type and location of embroidery. He is required to do this routine job of embroidering as per the design specifications and the quality standards of the buyers.</p>	<p>should know the various types of embroidery defects, defects in the machines and their rectification. He should have the knowledge of setting the machine, its operations and of the relation of the type of the fabric with thread and the size of the needle. He should also be aware of the types of the fabrics, trims, the design concepts in relation to the artwork, colours while maintaining the embroidery and quality specifications provided by the buyer.</p>	<p>specified by the buyer. He identifies the problems in the machines or the designs and tries to rectify them. He refers anomalies to the supervisor seek clarification on problems from others. He raises alarm and uses safe and correct procedure of handling equipment and machinery . He identifies, reports malfunctions in machinery, services , chemical leaks and equipment . He keeps work area free from potential hazards and reports to supervisors and other authorized personnel for assistance</p>	<p>verbally , and non verbally in a local language. He asks for clarification and advice from others and respond to emergencies, accidents or fire at the workplace.He evacuates the premises and help others in need while doing so . He values physical fitness, personal hygiene and good habits</p>	<p>shade work, cording &amp; satin stitch, eyelet work, applique work, shade work and round, cut work and open work, pin stitch &amp; pitch stitch, china embroidery &amp; fancy embroidery. He has responsibility for his own work and learning.</p>	
Level 4	Level 4	Level 4	Level 4	Level 4	Level 4

**OTHER EVIDENCE OF LEVEL** [This need only be filled in where evidence other than primary outcomes was used to allocate a level] **(Optional)**

Summary of other evidence (if used):

**SECTION 4**

**EVIDENCE OF RECOGNITION OR PROGRESSION**

**What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?**

The extent to which a labour is trained and educated effects its mobility. To ensure horizontal and vertical mobility the Qualifications pack have been tailored in a manner that it states all the required skills for a particular job role and ensures increase in developmental level when skills are practiced over time. With experience a computerized embroidery machine operator (zig zag Machine) can also work as a Framer – computerized embroidery machine at the same level.

(Progression as per horizontal mobility)

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here: