

Model Curriculum

Fabric Mender - Textiles

SECTOR: TEXTILE

SUB-SECTOR: WEAVING - TEXTILES

OCCUPATION: POST WEAVING OPERATIONS

REF ID: TSC/ Q 2302, VERSION 3.0

NSQF LEVEL: 3



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

TEXTILE SECTOR SKILL COUNCIL
for the

MODEL CURRICULUM

Complying to National Occupational Standards of Job Role/ Qualification Pack: **Fabric Mender**
- **Textiles**

QP No. 'TSC/ Q 2302' **NSQF Level 3**

Date of Issuance: **January, 27th, 2022**

Valid up to: **January, 27th, 2025**

* Valid up to the next review date of the Qualification Pack



(Dr. Swapna Mishra)
Director (C&T)
(Textile Sector Skill Council)

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Fabric Mender - Textiles

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Qualifications Pack – Fabric Mender - Textiles”, in the “Textile” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Fabric Mender - Textiles		
Qualification Pack Name & Reference ID.	Fabric Mender - Textiles TSC/Q2302, version 3.0		
Version No.	3.0	Version Update Date	27.01.2022
Pre-requisites to Training	<ul style="list-style-type: none"> • Grade 9 with No Experience (OR) • Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience (OR) • 8th grade pass with 1 year of relevant experience (OR) • 5th grade pass with 4 years of relevant experience (OR) • Ability to read and write with 5 years of experience 		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Perform taking charge of shift and handing over shift • Perform checking and mending of the fabric • Maintain work area, tools and machines • Gain behavioral skill for team working • Maintain health, safety and security at work place • Comply with industry and organizational requirement 		

This course encompasses 6 out of 6 National Occupational Standards (NOS) of “**Qualifications Pack – Fabric Mender - Textiles**” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Taking charge of shift and handing over shift to Fabric Mender - Textiles Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 60:00 Corresponding NOS Code TSC/N 2303	<ul style="list-style-type: none"> Gain Knowledge on general discipline Gain Knowledge about basic skills of communication Perform the role of Fabric Mender - Textiles Perform tasks while taking charge of shift and handing over shift Identifying fabric faults and rectify them Gain knowledge on various tools available for fabric mending Reporting procedure to the superior 	Class room requirements: a batch of 25 people seating capacity with a screen and projector
2	Check and mend fabrics produced Theory Duration (hh:mm) 45:00 Practical Duration (hh:mm) 90:00 Corresponding NOS Code TSC/N 2304	<ul style="list-style-type: none"> Gain knowledge on fabric inspection procedure and systems followed Importance of illumination and handling of fabric rolls Gain knowledge on recording the inspection data and fabric grading procedure Gain knowledge on fabric parameters like EPI, PPI, Width, GSM etc Mending procedure and importance of surrounding cleanliness 	<u>1. common for every batch:</u> poster/video visuals for work method <u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
3	Maintain work area, tools and machines Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code TSC/N 9001	<ul style="list-style-type: none"> Gain knowledge on Housekeeping system Identify and know unique functions of basic hand tools like cleaning hook, cleaning stick, bag, etc. Handling equipment importances Perform maintenance activities for handling equipment 	<u>1. common for every batch:</u> poster/video visuals for work method <u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector

4	<p>Working in a team</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N 9002</p>	<ul style="list-style-type: none"> Understand the team work and its importance Knowledge about the basic requirements for team working 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
5	<p>Maintain health, safety and security at work place</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code TSC/N 9003</p>	<ul style="list-style-type: none"> Knowledge about the general safety Rules Knowledge about the importance of personal protective equipment like apron, cap, earplugs, nose mask etc. and their application under different working conditions. Gain knowledge on various health hazards relevant to workplace and basic first aid training. Identify and select right equipment such as fire extinguisher & based on type of fire. Perform good practice on first aid, fire fighting etc. 	<p><u>1. A sample of following items for each trainee:</u> apron, head cap, nose mask, ear plug, shoe, <u>2. common for every batch:</u> first aid materials, fire extinguisher, work method posters/pictures, <u>3. Class room requirements:</u> 25 people seating capacity with a screen and projector</p>
6	<p>Comply with industry and organisational requirement</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N 9004</p>	<ul style="list-style-type: none"> Know about organizational and industry standards Know the requirements for self-development Gain knowledge on Organizational & Industry standards 	<p><u>Class room requirements:</u> 25 people seating capacity with a screen and projector</p>

7	<p>Employability Skills (30 Hours)</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 18:00</p>	<ul style="list-style-type: none"> • Discuss the importance of Employability Skills in meeting the job requirements. • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. • Show how to practice different environmentally sustainable practices • Discuss 21st century skills. • Display positive attitude, self -motivation, problem solving, time management skills and continuous learning mindset in different situations. • Use appropriate basic English sentences/ phrases while speaking • Demonstrate how to communicate in a well -mannered way with others. • Demonstrate working with others in a team • Show how to conduct oneself appropriately with all genders and PwD • Discuss the significance of reporting sexual harassment issues in time • Discuss the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws • Show how to operate digital devices and use the associated applications and features, safely and securely • Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely. • Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges. • Differentiate between types of customers • Explain the significance of identifying customer needs and addressing them • Discuss the significance of maintaining hygiene and dressing appropriately. • Create a biodata • Use various sources to search and apply for jobs • Discuss the significance of dressing up neatly and maintaining hygiene for an interview • Discuss how to search and register for apprenticeship opportunities. 	<p>Class room requirements: 25 people seating capacity with a screen and projector</p>
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Total Duration: Theory Duration 102:00 Practical Duration 228:00	Unique Equipment Required: Apron, head cap, nose mask, earplug, shoe, Scissors, Soap oil, Cleaning cloth, Needle, Mending Thread, Counting glass/ Magnifying glass.
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Grand Total Course Duration: 330 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by TSC: Textile Sector Skill Council)

Trainer Prerequisites for Job role: “Fabric Mender - Textiles” mapped to Qualification Pack:

“Fabric Mender - Textiles / TSC Q2302, Version 3.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “Fabric Mender - Textiles /TSC Q2302,
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, Employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	<ul style="list-style-type: none"> Basic Literacy and Numeracy
4a	Domain Certification	Certified for Job Role: “Fabric Mender - Textiles” mapped to QP: “Fabric Mender - Textiles TSCQ2302, Version 3.0”. Minimum accepted score 80%.
4b	Platform Certification	Required that the Trainer is certified for MEP/Q2601 Job Role: “Trainer” with atleast 80% score
5	Experience	Minimum 4 years of experience in fabric mending as a trainer and 1 year as Fabric Mender - Textiles

Employability Trainer Prerequisites

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS	Any Discipline			2	Teaching Experience	Prospective ES trainer should: <ul style="list-style-type: none"> have good communication skills be well versed in English have digital skills have attention to detail be adaptable have willingness to learn
Current ITI Trainers	Employability Skills Training (3 days full-time course done between 2019-2022)					
Certified current EEE trainers (155 hours)	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

Annexure: Assessment Criteria

Job Role: Fabric Mender - Textiles Qualification Pack: Fabric Mender - Textiles (TSC/Q 2302) Sector Skill Council: Textile Sector Skill Council						
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 & skill practical for each PC. 2. The assessment for the theory part will be based on knowledge bank of question created by the SSC. 3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below) 4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria. 5. To pass the qualification pack, every trainee should score a minimum of 50%. 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						
National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. TSC/N2303 (Taking charge of shift and handing over shift to Fabric Mender - Textiles)	PC1. come at least 10 - 15 minutes earlier to the work spot	100	25	0	20	5
	PC2. check for the necessary items like 'Cutter', 'Needle', 'Trimmer', 'Counting Glass', 'Measuring Tape', 'Cup Of water' and 'Brush'		25	10	10	5
	PC3. Hand over all the tools given to the higher authority.		25	15	10	0
	PC4. report to his/ her shift superior about the quality ,production ,safety issues or any other issue faced in his/ her shift and should leave the department only after getting concurrence for the same from his/ her superiors		25	5	10	10
	Total		100	30	50	20
	Weight age %			30%	50%	20%
2. TSC/N2304 (check and mend the fabrics produced)	PC1. understand the requirements of inspecting the fabric, finding the defects in fabric, marking the defects , following various inspection systems for inspecting and recording the defects	300	7	5	2	0

PC2. collect the fabric from fabric store area	5	2	3	0
PC3. understand the fabric inspection requirement from the customer	7	0	5	2
PC4. understand the specifications of fabric requirements from the customer	7	0	5	2
PC5. prepare the inspection table for inspection	7	0	5	2
PC6. ensure the inspection table and inspection area is properly illuminated	7	3	4	0
PC7. ensure the proper functioning of continuous fabric inspection machine	7	4	3	0
PC8. mount the fabric rolls on the continuous inspection table / machine	7	2	3	2
PC9. before checking/mending, take care that the , equipments used, checking table etc. are cleaned so that no handling stains are added to the fabric being checked	7	3	4	0
PC10. check whether the following required details are written on the cloth rolls, before the same are taken for inspection loom no, construction details, date & shift of doffing, doffed meters, doffed person's name	7	3	4	0
PC11. ensure the type of fabric selvages is as per requirement	7	0	5	2
PC12. Ensure whether no transit or handling damage is there on the cloth roll, before the same is taken for inspection.	7	3	4	0
PC13. get 'fabric inspection report 'with a roll no. duly allotted from the higher authority	7	2	5	0
PC14. reset the 'counter meter on the inspection table' to 'zero'	7	2	5	0
PC15. mount the fabric roll to be inspected on the 'cloth roll stands' , without damaging the fabric	7	2	5	0
PC16. Get in writing about the construction details from the higher authority.	5	2	3	0

PC17. ensure cleanliness and safety at work place	7	2	5	0
PC18. pull the fabric on the inspection table and inspect the fabrics in manual inspection	7	2	5	0
PC19. operating the inspection machine control switches for moving the fabric on inspection table for inspection	6	2	4	0
PC20. check the dimensions of the fabric	7	3	4	0
PC21. check the following specifications in the sample provided to him/ her	7	3	4	0
PC22. check the following faults with respect to warp and weft	7	3	4	0
PC23. Measure the fabric width, remove the wrinkles/ crease gently from the fabric surface by keeping the measuring tape straight across the fabric horizontally from selvedge to selvedge, measure the width as far as possible near the centre avoiding the ends and ensuring not to stretch the fabric while measuring.	7	5	2	0
PC24. measure the fabric length – by passing through meter counter fitted roller, by manually clipping the fabrics in the fold measuring frame, by counting the number of meter fold in case of folded fabrics	7	5	2	0
PC25. note down the fabric specifications as per the construction details	7	4	3	0
PC26. Inspect the fabric for the following at 3 places, namely 10 meters after the beginning of the inspection, in the middle of the inspection of the roll and 10 meters before the close of the inspection of the roll.	7	4	3	0
PC27. mend the faults observed in the fabric	7	2	3	2
PC28. check the fabric construction particulars by measuring the EPI, PPI, weight/sq.mtr	7	2	3	2

PC29. ensure using proper tools for measuring the dimensions and construction of fabric	5	2	3	0
PC30. identify the different defects in fabric along with the Fabric Mender - Textiles	7	2	3	2
PC31. Identify the defects which come under mendable or non-mendable defects depending upon the magnitude of the defect and the quality of the fabric.	7	2	3	2
PC32. remove the fabric defects	7	2	3	2
PC33. ensure the fabric defects are properly mended	7	3	2	2
PC34. support the checker in recording the fabric defects in the visual inspection report	5	2	3	0
PC35. follow the different inspection systems as per the requirement and instructions from superiors	7	2	5	0
PC36. use proper tools and equipments for mending the fabric	7	2	5	0
PC37. Follow tag system for cuttable defects, defects coming under 4 points, and other faults	7	2	5	0
PC38. ensure all the marked defects are mended	7	0	7	0
PC39. note all the fabric defects and mark in the fabric examination report which has to mended	7	0	7	0
PC40. mend the loose threads , slubs , snarls and other mendable faults	7	0	5	2
PC41. clean the “ stain “ using water & brush	5	0	5	0
PC42. note the defects against the corresponding meter only	7	1	6	0
PC43. Cover and store the inspected fabric has to be properly in the place, earmarked	5	0	5	0
PC44. report the defects inspected and mended during the inspection to the higher authority	7	2	5	0

	PC45. ensure cleanliness and safety at work place		5	2	3	0
	Total		300	94	182	24
	Weight age %			31%	61%	8%
3. TSC/N 9001 (Maintain work area, tools and machines)	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	50	4	2	1	1
	PC2. use correct lifting and handling procedures		4	2	1	1
	PC3. use materials to minimize waste		3	1	1	1
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		4	1	2	1
	PC6. carry out running maintenance within agreed schedules		4	2	1	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		3	1	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		4	2	1	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	2	1	1
	Total		50	21	15	14
	Weight age %			42%	30%	28%
4. TSC/N 9002 (Working in a	PC1. be accountable to the own role in whole process	50	5	1	3	1

team)	PC2. perform all roles with full responsibility		4	1	2	1
	PC3. be effective and efficient at workplace		4	2	1	1
	PC4. properly communicate about company policies		4	1	1	2
	PC5. report all problems faced during the process		4	1	1	2
	PC6. talk politely with other team members and colleagues		4	1	1	2
	PC7. submit daily report of own performance		5	2	2	1
	PC8. adjust in different work situations		4	1	2	1
	PC9. give due importance to others' point of view		4	1	1	2
	PC10. avoid conflicting situations		4	2	1	1
	PC11. develop new ideas for work procedures		4	2	1	1
	PC12. improve upon the existing techniques to increase process efficiency		4	2	1	1
	Total		50	17	17	16
	Weight age %			34%	34%	32%
5. TSC/N 9003 (Maintain health, safety and security at work place)	PC1. Comply with health and safety related instructions applicable to the workplace	100	5	2	2	1
	PC2. Use and maintain personal protective equipment as per protocol		5	2	2	1
	PC3. Carry out own activities in line with approved guidelines and procedures		4	1	2	1
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		4	1	2	1
	PC5. Follow environment management system related procedures		4	1	2	1
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		5	2	2	1
	PC7. Report any service malfunctions that cannot be rectified		4	1	2	1

PC8. Store materials and equipment in line with manufacturer's and organizational requirements	4	2	1	1
PC9. Safely handle and move waste and debris	4	2	1	1
PC10. Minimize health and safety risks to self and others due to own actions	5	2	2	1
PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks	4	0	2	2
PC12. Monitor the workplace and work processes for potential risks and threats	5	2	2	1
PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned	5	2	2	1
PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel	4	2	1	1
PC15. Participate in mock drills/ evacuation procedures organized at the workplace	4	2	2	0
PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so	5	2	2	1
PC17. Take action based on instructions in the event of fire, emergencies or accidents	5	2	2	1
PC18. Follow organization procedures for shutdown and evacuation when required	4	1	2	1
PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry	4	1	2	1
PC20. recognize other possible security issues existing in the workplace	4	1	2	1
PC21. recognize different measures to curb the hazards	4	1	2	1
PC22. communicate the safety plan to everyone	4	1	2	1

	PC23. attach disciplinary rules with the implementation		4	1	2	1
	Total		100	34	43	23
	Weight age %			34%	43%	23%
6. TSC/N 9004 (Comply with industry and organizational requirement)	PC1. perform own duties effectively	50	4	2	1	1
	PC2. take responsibility for own actions		4	2	1	1
	PC3. be accountable towards the job role and assigned duties		4	1	2	1
	PC4. take initiative and innovate the existing methods		3	1	1	1
	PC5. focus on self-learning and improvement		4	2	1	1
	PC6. co-ordinate with all the team members and colleagues		4	2	1	1
	PC7. communicate politely		4	1	1	2
	PC8. avoid conflicts and miscommunication		4	2	1	1
	PC9. know the organizational standards		4	1	2	1
	PC10. implement them in your performance		4	2	1	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	1	3	0
	PC13. align them with organization standards		4	1	2	1
	Total		50	19	18	13
	Weight age %			38%	36%	26%

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory Marks	Practical Marks	Viva Marks
7. DGT/VSQ/N0101 – Employability Skills	Introduction to Employability Skills			1	1	-
	1. understand the significance of employability skills in meeting the job requirements					
	Constitutional values – Citizenship			1	1	-
	2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.					
	Becoming a Professional in the 21st Century			1	3	-
	3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.					
	Basic English Skills			2	3	-
	4. speak with others using some basic English phrases or sentences					
	Communication Skills			1	1	-
	5. follow good manners while communicating with others					
	6. work with others in a team					
	Diversity & Inclusion			1	1	-
	7. communicate and behave appropriately with all genders and PwD					
	8. report any issues related to sexual harassment					
	Financial and Legal Literacy			3	4	-
	9. use various financial products and services safely and securely					
	10. calculate income, expenses, savings etc.					
	11. approach the concerned authorities for any exploitation as per legal rights and laws					

	Essential Digital Skills			4	6	-
	12. operate digital devices and use its features and applications securely and safely					
	13. use internet and social media platforms securely and safely					
	Entrepreneurship			3	5	-
	14. identify and assess opportunities for potential business					
	15. identify sources for arranging money and associated financial and legal challenges					
	Customer Service			2	2	-
	16. identify different types of customers					
	17. identify customer needs and address them appropriately.					
	18. follow appropriate hygiene and grooming standards.					
	Getting ready for apprenticeship & Jobs			1	3	-
	19. create a basic biodata					
	20. search for suitable jobs and apply					
	21. identify and register apprenticeship opportunities as per requirement					
	NOS Total		50	20	30	-
	Grand Total		700	235	355	110



Textile Sector Skill Council

15th Floor, Nirmal Tower, Barakhamba Road, New Delhi-110 001