



National Competency Standards for
“Textile Wet Processing”
(Assistant Supervisor)
Level-4



National Vocational and Technical Training Commission
(NAVTTC) Government of Pakistan



TABLE OF CONTENT

S.No	TABLE OF CONTENTS	Pages
1.	Title of qualifications	1
2.	Introduction	3
3.	Purpose of the qualification	4
4.	Date of Validation	4
5.	Code of qualifications	5
6.	Entry Requirements	5
7.	Members of qualifications development committee	6
8.	Members of qualifications review and validation committee	7
9.	Summary of Competency Standards	8
CORE COMPETENCIES		
CS1	0723TWP03A - Perform Advance Dyeing Techniques	19
CS2	0723TWP03B - Implement the Design	21
CS3	0723TWP03C - Perform Advance Fabric Printing	23
CS4	0723TWP03D - Perform Finishing Processes	26
	Complete List of Tools and Equipment	29
Soft Skills		
CS1	0414TAM07 - Establish and Maintain the Occupational Health and Safety System	9
CS2	001100853 - Perform Advance Communication	13
CS3	041700841 - Analyse with Workplace Policy and Procedures	15



INTRODUCTION

Pakistan is the 8th largest exporter of textile products in Asia. It is 4th largest producer and 3rd largest consumer of cotton. It comprises of 46% of the total manufacturing sector and provides employment to 40% of the total labor force. 5% of the total textile companies are listed on the stock exchange.

The textile sector contributes 8.5 % of total GDP of Pakistan.

Thus, making it imperative for Pakistan government to actively train the individuals to attend to the needs of the ever challenging and rapidly evolving changes in the sector, Textile industry a highly challenging and well-paid professional is always in need of trained & quality-oriented staff

Whether it is merchandising/marketing, stitching /wet processing / HSE or awareness to the quality standards, the industry is always in need of quality individuals.

Textile industry competency standards deal with the knowledge and skills required in the provision of wet processing. These standards focus on the procedures to equip the work force with the knowledge and skills that personify the efficient work performance in assisting the higher management in delivering the quality products & services

This course on wet processing is designed as a comprehensive training program for both male and female students at diploma level (level1-5). This training program covers all features of wet processing like introduction of the concept, principles, constituents, organization, etc.; as well as technological issues involved. It also involves the management of multitude of activities covering all aspects of wet processing

PURPOSE OF THE QUALIFICATION

The competency based NVQ has been developed to train the unskilled men and women of Pakistan on the technical and entrepreneurial skills to be employed / self-employed and inevitably set sustainable impact on their lives by increase in their



livelihood income generation.

The purpose of this qualification is to give the candidate a thorough understanding and skills of the textile sector with special reference to wet processing in three years training programme. The textile industry needs skilled labour for meeting the national and international standards. It is therefore important to stress the need for a multidisciplinary approach to meet the challenges within the sector. Upon successful completion of this course the trainee should be able to:

- Core elements and the development of textile industry
- Give an account of essentials textile industry and future of this industry
- Demonstrate an understanding of different textile traits.
- Point out relevant industry stakeholders & their roles in driving innovative in textile management
- Improve the professional competence of the trainees
- Provide opportunities for recognition of skills attained through non-formal or informal pathways
- Improve the quality and effectiveness of training and assessment for textile industry skilled labour
- Enhance textile industry activities at regional/provincial/national levels through better approach

DATE OF VALIDATION

This national vocational qualification (NVQ) has been validated by the Qualifications Development Committee (QDC) in **06th to 10th December, 2021** and will remain in currency until June 2024.

*Shall be reviewed after 3 years



CODE OF QUALIFICATION

Qualification Title	Code
National Vocational Certificate Level 4, in (Textile Wet Processing) “Assistant Supervisor”	0723TWP03

ENTRY REQUIREMENTS

- For National Vocational Certificate Level-4 in Textile Wet Processing, the entry requirement is award of National Vocational Certificate Level-3 in Textile Wet Processing.



DEVELOPMENT COMMITTEE

The following members participated in the qualification development of these qualifications:

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Sr. No.	Name	Designation	Organization
1.	Mr. Muhammad Aasim	Assistant Director,	NAVTTC Coordinator, Islamabad
2.	Ms. Mehwish Aisha	DACUM Facilitator	CBT Expert/Certified Assessor
3.	Mr. Muhammad Irfan	Principal	GAMTI (PTEVTA), Township, Lahore
4.	Ms. Ayesha Yameen	Deputy Manager	Friends Enterprises Lahore
5.	Ms. Qurbat Zahra	Director	Adamjee Enterprises BOR Society Lahore
6.	Ms. Tehrim Ijaz	MTO	Taiga Apparels
7.	Ms. Warda Afzal	Instructor Clothing & Textiles	GCTW Lytton Lahore
8.	Mr. Hassan Tariq	DGM	Laundry and Development Cotton Web Ltd, Lahore
9.	Mr. Ahsan Nazer	Director	RND NTU Faisalabad
10.	Mr. Ayazudin	CEO, Reet Garment, Lahore	
11.	Mr. Abdul Samad	Freelancer	, MBA, Faisalabad
12.	Ms. Mehak Hamid	Fashion Designer & Assessor,	UMT, Sialkot



13.	Mr. Imran Afzal	GM,	Future session pvt. Ltd.
14.	Mr. Kashif Asif Mirza	Divisional Head EC	RUDOLF Pakistan
15.	Mr. Ali Abbas	Director	Arts and Design Lahore



QUALIFICATIONS REVIEW AND VALIDATION COMMITTEE

The following members participated in the qualification development of these qualifications:

Sr. No.	Name	Designation	Organization
1.	Mr. Shahzad Ahmad	Director	VT, NAVTTC HQ, Islamabad
2.	Ms. Mehwish Aisha	DACUM Facilitator	CBT Expert/Certified Assessor
3.	Mr. Muhammad Irfan	Principal	GAMTI (PTEVTA), Township, Lahore
4.	Ms. Warda Afzal	Instructor	GCT(W), Lytton Road, Lahore
5.	Ms. Syeda Fatima Iqbal	System Analyst	PBTE, Lahore
6.	Ms. Mehak Hamid	Lecturer	UMT, Sialkot
7.	Ms. Amreen Hassan	Lecturer	LPDI, Sialkot
8.	Ms. Manal Akhtar	Quality Assurance Supervisor	Interloop, Faisalabad
9.	Ms. Faiza Jabeen	Fashion & Textile Designer	The Trendy House
10.	Ms. Sameen Aslam	Instructor	
11.	Ms. Muhammad Shahzad	Sr. Instructor (Textile)	GCT (Campus), PTUT, Lahore



SUMMARY OF COMPETENCY STANDARDS

“Assistant Merchandiser” (12 Months)								
Code	Competency Standards	Level	Theory		Practical		Total	
			C	Hr.	C	Hr.	C	Hr.
1.	Establish and maintain the occupational Health and safety system	4	1	10	2	20	3	30
2.	Perform Advance communication	4	1	10	2	20	3	30
3.	Analyse Workplace Policies and Procedures	4	1	10	2	20	3	30
4.	Perform Advance Dyeing Techniques	4	6	60	24	240	30	300
5.	Implement the Design	4	4	40	16	160	20	200
6.	Perform Advance Fabric Printing	4	5	50	21	210	26	260
7.	Perform Finishing Processes	4	14	140	21	210	35	350
Total			32	320	88	880	120	1200



Competency Standard A: Establish and Maintain the Occupational Health and Safety System - 0414TAM07

Overview: This unit covers how to establish, maintain and evaluate an occupational health and safety system in the work environment. This unit applies to workers who have either a legislated or delegated responsibility to implement OHS systems to meet the organization's policy requirements. These roles require significant role or delegated authority to allow effective implementation and review. While designed for public safety workers, this unit could be applied in a range of industries. This unit does not cover the broader implementation of organisation wide OHS policy.

Competency Units	Performance Criteria
CU1. Organise consultation process	<p>You must be able to:</p> <p>P1. Identify and invite relevant personnel or other representative personnel into the development and maintenance processes.</p> <p>P2. Handle issues raised through consultation according to issue resolution procedures.</p> <p>P3. Verify results from the consultation process and makes it available to relevant personnel.</p>
CU2. Design Occupational Health and Safety framework	<p>You must be able to:</p> <p>P1. Identify hazards and risks correctly and confirm according to occupational health and safety legislation, codes of practice and prevailing trends.</p> <p>P2. Develop procedure for ongoing identification of hazards and risks and integrated within work systems and procedures</p> <p>P3. Develop occupational health and safety policies line with relevant legislation.</p> <p>P4. Incorporate and define occupational health and safety responsibilities and duties into job descriptions/statements.</p> <p>P5. Provide adequate resources in a timely and consistent manner.</p>



	<p>P6. Develop and implement measures to control assessed risks in accordance with the hierarchy of control, relevant occupational health and safety legislation, codes of practice and trends.</p> <p>P7. Implement interim solutions until a permanent control measure.</p> <p>P8. Record details clearly and efficiently according to organisation policy and procedures and relevant legislation</p>
<p>CU3. Design and implement an Occupational Health and Safety awareness training program</p>	<p>You must be able to:</p> <p>P1. Devise educational information on the occupational health and safety system and make it available to all relevant personnel.</p> <p>P2. Provide appropriate training to all relevant personnel to enable the implementation of safety procedures</p>
<p>CU4. Establish, monitor and maintain Occupational Health and safety system</p>	<p>You must be able to:</p> <p>P1. Establish a system for keeping occupational health and safety records in accordance with legislative requirements.</p> <p>P2. Monitor Work activities to ensure that hazard identification and risk assessment and control procedures are effectively adopted.</p> <p>P3. Identify Inadequacies in hazard, risk assessment and established risk control measures in accordance with the hierarchy of control and report to designated personnel.</p> <p>P4. Amendments to procedures are undertaken through appropriate consultation methods</p>
<p>CU5. Establish and maintain a system for accident investigation</p>	<p>You must be able to:</p> <p>P1. Develop a system and implement for reporting and investigation of all accidents/incidents in accordance with the policies and procedures.</p> <p>P2. Provide training to employees responsible for accident investigation for effective implementation of accident investigation policy.</p>



	P3. Implement Policies and procedures for reporting and investigating all accidents/incidents are reviewed and updated as required
CU6. Evaluate the organization's Occupational Health and Safety system and related policies procedures and programs	<p>You must be able to:</p> <p>P1. Ensure the effectiveness of the occupational health and safety system and related policies, procedures and programs is assessed according to the organization's occupational health and safety policy.</p> <p>P2. Develop occupational health and safety system and implement it.</p> <p>P3. Compliance with occupational health and safety legislation and codes of practice is assessed to ensure that legal occupational health and safety standards are maintained</p>

Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out tasks covered in this competency standard. This includes the knowledge of:

- K1.** State details of all relevant Occupational Health and Safety legislation and its relevance to organisation operations
- K2.** State details of codes of practice and their relevance to organisation operations
- K3.** Explain hierarchy of control (the preferred order of risk control measures from most to least preferred that is:
 - o elimination
 - o substitution
 - o engineering control
 - o administrative controls
 - o and personal protective equipment)
- K4.** Describe literacy levels and communication skills of work group members
- K5.** State knowledge of current principles and practices used to implement and monitor organizational OH&S policies
- K6.** Explain procedures and programs



- K7.** Elaborate suitable communication techniques to address needs of work group members

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) to be competent in this competency standard:

A person who demonstrates competency in this unit must be able to provide evidence of the ability to establish and maintain the occupational health and safety system. The evidence should integrate employability skills with workplace tasks and job roles and verify competency is able to be transferred to other circumstances and environments.

Performance requirements

This competency is to be assessed using standard and authorized work practices, safety requirements and environmental constraints. Demonstrated evidence is required of the ability to:

1. Demonstrated understanding of principles and practices for Occupational Health and Safety.
2. Demonstrated understanding of the significance of other management systems and procedures for occupational health and safety.



Competency Standard B: Perform Advance Communication - 001100853

Overview: This unit describes the performance outcomes, skills and knowledge required to develop communication skills used professionally. It covers plan and organise work and conduct trainings at workplace, along with demonstrating professional skills independently.

Competency Units	Performance Criteria
CU1. Demonstrate professional skills	<p><i>You must be able to:</i></p> <p>P1. Use different modes of communication to communicate</p> <ul style="list-style-type: none"> • Speaking • Reading • Writing • Listening • Presentation • visual representation etc <p>P2. Develop CV Skills according requirements</p> <p>P3. Upgrade professional skills by attending trainings, webinars, conferences etc.</p> <p>P4. Perform Continuous professional development as required at workplace</p> <p>P5. Develop interview skills</p>
CU2. Plan and Organize work	<p><i>You must be able to:</i></p> <p>P1. Identify task requirements.</p> <p>P2. Plan steps to complete tasks.</p> <p>P3. Review planning and organizing process.</p> <p>P4. Organize work.</p>
CU3. Provide trainings at workplace	<p><i>You must be able to:</i></p> <p>P1. Assess the need for training</p> <p>P2. Prepare trainees for the learning experience</p> <p>P3. Present training session</p> <p>P4. Support trainees in managing their own learning</p>



	<p>P5. Facilitate group learning</p> <p>P6. Provide opportunity for practice</p> <p>P7. Provide feedback on progress on trainees</p> <p>P8. Review delivery experience</p>
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Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1.** Explaining the training skills
- K2.** Identification of the professional skills
- K3.** Describing the advanced language skills
- K4.** Understanding of the assessment and trainees feedback methods
- K5.** Direct and indirect communication methods
- K6.** Explaining the need of the training type at the work place

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

1. Job sheet
2. Office emails and coordination reports
3. Feedback Performa



Competency Standard C: Analyse with Workplace Policy and Procedures - 041700841

Overview: This unit describes the skills and knowledge required to implement a workplace policy & procedures and to modify the policy to suit changed circumstances. It applies to individuals with managerial responsibilities who undertake work developing approaches to create, monitor and improve strategies and policies within workplaces and engage with a range of relevant stakeholders and specialists.

Competency Units	Performance Criteria
CU1. Manage work timeframes	<p>You must be able to:</p> <p>P1. Complete work tasks within deadlines in according to order of priority</p> <p>P2. Supervisors are informed of any delays in work times or projects</p>
CU2. Manage to convene meeting	<p>You must be able to:</p> <p>P1. Develop agenda in line with meeting purpose</p> <p>P2. Select participants and notify them accordingly</p> <p>P3. Carryout meeting arrangements according to the time</p> <p>P4. Record the minutes of the meeting</p>
CU3. Set and meet own work priorities at instant	<p>You must be able to:</p> <p>P1. Take initiative to prioritize and facilitate competing demands to achieve organizational goals and objectives</p> <p>P2. Use technology efficiently and effectively to manage work priorities and commitments</p> <p>P3. Maintain appropriate work-life balance</p>
CU4. Develop and maintain professional competence	<p>You must be able to:</p> <p>P1. Assess personal knowledge and skills against competency</p> <p>P2. Participate in networks to enhance personal knowledge, skills and work relationships</p>



	P3. Seek feedback from employees, clients and colleagues to develop and improve competence
CU5. Follow and implement work safety requirements	<i>You must be able to:</i> P1. Identify and report emergency incidents P2. Practice organizational policy and procedures for responding to emergency incidents P3. Identify and implement workplace procedures and work instructions for controlling risks

Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out tasks covered in this competency standard. This includes the knowledge of:

- K1.** Healthy work life balance
- K2.** Meeting terminologies, structures and arrangements
- K3.** Relevant organizational procedures and policies regarding meetings, chairing and minutes.
- K4.** Barriers to implement policies and procedures in an organization and possible strategies to address them.

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) to be competent in this competency standard:

1. A person who demonstrates competency in this unit must be able to provide evidence of the ability to understand workplace policy and procedures. The evidence should integrate employability skills with workplace tasks and job roles and verify competency is able to be transferred to other circumstances and environments



Competency Standard E: Perform Advance Dyeing Techniques - 0723TWP03A

Overview: This competency standard deal with learning the competencies needed to Perform Rope Dyeing and yarn Dyeing, Perform Garment Dyeing, Exhaust dyeing for woven fabrics /knitted fabrics, ad Continuous/ Semi-continuous dyeing. Your underpinning knowledge will be sufficient to provide you the basis for your work.

Competency Units	Performance Criteria
CU1. Perform Pad Thermosol Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) Pad Thermosol Dyeing</p> <p>P2. Arrange material for Pad Thermosol Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Pad Thermosol Dyeing machine</p> <p>P4. Set Pad Thermosol Dyeing machine parameters as per Pad Thermosol Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>P5. Operate Pad Thermosol Dyeing machine for fabric dyeing</p> <p>P6. Unload fabric from the Dyeing machine</p> <p>P7. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P8. Maintain Record for Pad Thermosol Dyeing</p>
CU2. Perform Pad Steam Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) Pad Steam Dyeing</p> <p>P2. Arrange material for Pad Steam Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Pad Steam Dyeing machine</p> <p>P4. Set Pad Steam Dyeing machine parameters as per</p>



	<p>Pad Steam Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>P5. Operate Pad Steam Dyeing machine for fabric dyeing</p> <p>P6. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P7. Unload fabric from the Dyeing machine</p> <p>P8. Wash & Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)</p> <p>P9. Maintain Record for Pad Steam Dyeing</p>
CU3. Perform Stenter Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) Stenter Dyeing</p> <p>P2. Arrange material for Stenter Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Stenter Dyeing machine</p> <p>P4. Set Stenter Dyeing machine parameters as per Stenter Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>P5. Operate Stenter Dyeing machine for fabric dyeing</p> <p>P6. Unload fabric from the Dyeing machine</p> <p>P7. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P8. Maintain Record for Stenter Dyeing</p>
CU4. Perform Soft Flow Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) Soft Flow Dyeing</p> <p>P2. Arrange material for Soft Flow Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Soft Flow Dyeing machine</p> <p>P4. Set Soft Flow Dyeing machine parameters as per Soft Flow Dyeing process requirement/Specification Sheet/Processing Order (PO)</p>



	<p>P5. Operate Soft Flow Dyeing machine for fabric dyeing</p> <p>P6. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P7. Unload fabric from the Dyeing machine</p> <p>P8. Wash & Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)</p> <p>P9. Maintain Record for Soft Flow Dyeing</p>
CU5. Perform Garment Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) for Garment Dyeing</p> <p>P2. Arrange material for Garment Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Garment Dyeing machine</p> <p>P4. Set Garment Dyeing machine parameters as per Garment Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>P5. Operate Garment Dyeing machine for Garment dyeing</p> <p>P6. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P7. Unload fabric from the Dyeing machine</p> <p>P8. Wash & Neutralize dyed Garment as per Specification Sheet/Processing Order (PO)</p> <p>P9. Maintain Record for Dyed Garment</p>
CU6. Perform Fibre Dyeing	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) for Fibre Dyeing</p> <p>P2. Arrange material for Fibre Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Load fabric on the Fibre Dyeing machine Fibre Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p>P4. Operate Fibre Dyeing machine for Fibre dyeing</p>



	<p>P5. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P6. Unload fabric from the Dyeing machine</p> <p>P7. Wash & Neutralize dyed Fibre as per Specification Sheet/Processing Order (PO)</p> <p>P8. Maintain Record for Dyed Fibre</p>
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Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. Therefore he/she must be able to:

- K1.** Understand Quality Standards
- K2.** Determine fabric GSM
- K3.** Explain dyeing techniques
- K4.** Explain drying techniques
- K5.** Explain fixation techniques
- K6.** Define After treatment process
- K7.** Explain troubleshooting for machine
- K8.** Explain Continuous/Semi-Continuous Dyeing
- K9.** Explain Exhaust Dyeing for Woven/Nonwoven Fabrics

Critical Evidence(s) Required

The candidate needs to produce any or all of the following documents/evidences:

1. Portfolio
2. Assignment(s)/Project(s)
3. Relevant Certification(s)
4. Relevant Job/Experience Letter

Furthermore, the candidate must execute demonstration(s) which may include the following:

1. Perform fabric/yarn dyeing as per instructions given by assessor



Competency Standard F: Implement the Design - 0723TWP03B

Overview: This competency standard deal with learning the competencies needed to Analyse design, Execute standard design, Verify standard design and Prepare report. Your underpinning knowledge will be sufficient to provide you the basis for your work.

Competency Units	Performance Criteria
CU1. Analyse Design	<p><i>You must be able to:</i></p> <p>P1. Prepare Processing Order (PO) for designing as per required standards</p> <p>P2. Plan designing as per required parameter</p> <p>P3. Calculate material required for given design</p> <p>P4. Verify material for designing as per Specification Sheet/Processing Order (PO)</p>
CU2. Execute Standard Design	<p><i>You must be able to:</i></p> <p>P1. Verify design parameters as per requirement</p> <p>P2. Execute required design to produce screens for fabric printing</p> <p>P3. Manage quality parameters during designing according to Specification Sheet/Processing Order (PO)</p>
CU3. Verify Standard Design	<p><i>You must be able to:</i></p> <p>P1. Verify design accuracy with standard design</p> <p>P2. Match shade of Strike-Off as per Standard Design File and make corrections accordingly</p> <p>P3. Send final design for the production, on set parameters, according to PO</p>
CU4. Prepare Report	<p><i>You must be able to:</i></p> <p>P1. Verify quality parameters during preparation of design with standards</p> <p>P2. Inspect design portfolio to maintain the design record for future assignments</p>



	<p>P3. Take corrective actions for any issues concerned with quality of design according to requirement.</p> <p>P4. Prepare Final Design Sampling Report</p>
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Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. Therefore he/she must be able to:

- K1.** Explain the importance of Chemicals / dyes / water in printing process
- K2.** Determine the tools used for designing
- K3.** Describe repeat patterns
- K4.** Explain the function and importance of designing software
- K5.** Explain the recipes for designing at production level
- K6.** Explain the types of fabric on the basis of fibre
- K7.** Explain the term Strike-Off
- K8.** Determine the Recipes
- K9.** Describe operating procedure of software used for designing

Critical Evidence(s) Required

The candidate needs to produce any or all of the following documents/evidences:

- 1. Portfolio
- 2. Assignment(s)/Project(s)
- 3. Relevant Certification(s)
- 4. Relevant Job/Experience Letter

Furthermore, the candidate must execute demonstration(s) which may include the following:

- 1. Implement the given Design as per given instructions



Competency Standard G: Perform Advance Fabric Printing - 0723TWP03C

Overview: This competency standard deal with Perform Digital printing, Perform Bolt Printing, Perform Sublimation Printing. Your underpinning knowledge will be sufficient to provide you the basis for your work.

Competency Units	Performance Criteria
CU1. Perform Digital Printing	<p>You must be able to:</p> <p>P1. Interpret of Specification Sheet/Processing Order (PO) for Digital Printing</p> <p>P2. Arrange material for Digital Printing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Operate Digital Printing machine</p> <p>P4. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P5. Maintain Record for Printed Fabric</p>
CU2. Perform Sublimation Printing	<p>You must be able to:</p> <p>P1. Interpret of Specification Sheet/Processing Order (PO) for Sublimation Printing</p> <p>P2. Arrange paper material for Sublimation Printing process as per Specification Sheet/Processing Order (PO)</p> <p>P3. Operate Sublimation Printing machine</p> <p>P4. Maintain temperature as per requirement</p> <p>P5. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P6. Maintain Record for Printed Fabric</p>

Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding



required to carry out the tasks covered in this competency standard. Therefore he/she must be able to:

- K1.** Describe Quality control procedures (QC)
- K2.** Describe Quality assurance procedures (QA)
- K3.** Explain Digital/Bolt Printing
- K4.** Explain Sublimation Printing
- K5.** Define Quality parameters for advance printing techniques

Critical Evidence(s) Required

The candidate needs to produce any or all of the following documents/evidences:

- 1.** Portfolio
- 2.** Assignment(s)/Project(s)
- 3.** Relevant Certification(s)
- 4.** Relevant Job/Experience Letter

Furthermore, the candidate must execute demonstration(s) which may include the following:

- 1.** Perform Printing as per instructions given by assessor



Competency Standard H: Perform Finishing Processes - 0723TWP03D

Overview: This competency standard deal with learning the competencies needed to Identify Basic Finishing Process, and Perform Advance Finishing Processes. That includes management practices, product development life cycle, interpret business models. Your underpinning knowledge will be sufficient to provide you the basis for your work.

Competency Units	Performance Criteria
CU1. Perform Basic Finishing Processes	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO)</p> <p>P2. Perform Calendering of the fabric by operating Calendering machine</p> <p>P3. Perform Compaction of the fabric by operating Compaction machine</p> <p>P4. Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p>P5. Maintain record</p>
CU2. Perform Advance Finishing Processes	<p>You must be able to:</p> <p>P1. Interpret Specification Sheet/Processing Order (PO) for required finishing process</p> <p>P2. Perform Water Repellent Finish</p> <p>P3. Perform Anti-static Finish</p> <p>P4. Perform Soil Repellent/Soil Release Finish</p> <p>P5. Perform Stain Repellent</p> <p>P6. Perform Flame Resistant/Fire Retardant Finish</p> <p>P7. Perform Anti-Microbial Finish</p> <p>P8. Perform Coating</p> <p>P9. Maintain quality parameters during finishing process according to Specification Sheet/Processing Order (PO) /protocol</p>



	P10. Maintain Record
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Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. Therefore he/she must be able to:

- K1.** Describe basic finishing processes
- K2.** Explain different types of Finishes and their uses
- K3.** Explain Fabric Defects

Critical Evidence(s) Required

The candidate needs to produce any or all of the following documents/evidences:

1. Portfolio
2. Assignment(s)/Project(s)
3. Relevant Certification(s)
4. Relevant Job/Experience Letter

Furthermore, the candidate must execute demonstration(s) which may include the following:

1. Perform any basic two finishing processes, assigned by assessor.



COMPLETE LIST OF TOOLS AND EQUIPMENT

SR#	Tools & Equipment	Quantity
1.	Computer Systems	25
2.	Scanner	1
3.	Printer	1
4.	Panton Book	1
5.	Pick Glass/Magnifying Glass	25
6.	Textile/Fabric Light Box	1
7.	Scissors	25
8.	GSM Cutter	5
9.	Measuring Tape	25
10.	Barcode Scanner	1
11.	Spec Sheet	25