

PATTERN DRAFTING & GRADING

CBT Competecy

National Vocational
Certificate Level 2

Version 1 - July 2015

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Competency Module A: Review the Technical Pack

Overview: This competency standard has been developed to provide basic understanding of tech pack and samples to identify pattern making requirements.

Competency Unit	Performance Criteria	Knowledge and Understanding
A1 – Understand Tech pack	Trainee will be able to: P1 – Identify the Tech pack P2 – Clarify the content of tech pack.	Trainee will be able to: K1 – Describe tech pack. K2 – Explain different types of tech packs. K3 - Identify content of the tech pack K4 – Explain tech pack utilisation.
A2 – Analyse supplied garment sample	Trainee will be able to: P1 – Examine supplied sample garment to identify garment parts and construction methods P2 – Identify any sample faults and document	Trainee will be able to: K1 - Explain the procedure to analyse the given sample K2 –Describe faults that may exist with supplied sample garments K3 – Describe reasons for documenting sample garment faults
A3 – Review Tech Pack	Trainee will be able to: P1 – Check information in tech pack against supplied garment sample.	Trainee will be able to: K1 – Describe tech pack types

Competency Unit	Performance Criteria	Knowledge and Understanding
	P2 – Analyse any discrepancies in information and report to supervisor	K2 – Match tech pack information against supplied sample garment to understand requirements for pattern making

Competency Module B: Take body and garment measurements

Overview: The competency standard is designed to develop understanding about measuring concepts, tools used for measurement, techniques for taking measurements from body and garment, and how to calculate measurement chart.

Competency Unit	Performance Criteria	Knowledge and Understanding
B1: Take body and garment measurements	<p>Trainee will be able to:</p> <p>P1: Identify measuring concepts required for preparation of body and garment measurement chart</p> <p>P2: Take accurate measurements from the body and garment using appropriate tools</p> <p>P3: Prepare spec sheet from measurements taken from body and garment</p>	<p>Trainee will be able to:</p> <p>K1: Describe measuring concepts applicable to body and garment measurements</p> <p>K2: Explain body and garment measuring techniques</p>
B2: Prepare measurement chart	<p>Trainee will be able to:</p> <p>P1: Compare body and garment measurements with standard size measurements</p> <p>P2: Record measurements correctly in chart to meet body and garment measurements</p>	<p>Trainee will be able to:</p> <p>K1: Describe body sizes according to the specs</p> <p>K2: Explain measurement chart.</p>

Competency Module C: Create basic block and pattern

Overview: This competency standard has been developed to provide understanding of basic block types and their relationship to pattern drafting

Competency Unit	Performance Criteria	Knowledge and Understanding
<p>C1 – Select and use tools and materials required for pattern drafting</p>	<p>Trainee will be able to:</p> <p>P1 – Select basic tools and materials for task requirements.</p> <p>P2 – Use tools and materials as required for specified task</p> <p>P3 – Identify quality standards for tools used in pattern drafting and grading</p> <p>P4 – Check tool quality regularly</p> <p>P5 – Replace worn, blunt or damaged tools as required, including those with worn scale markings</p> <p>P6 – Follow safe work practices when using tools</p>	<p>Trainee will be able to:</p> <p>K1 – Explain different types of tools and materials</p> <p>K2 – Describe materials used in pattern drafting and grading in terms of industry standard specifications</p> <p>K3 - Describe quality standards for pattern drafting and grading tools and materials.</p>
<p>C2 – Construct medium size basic block and pattern</p>	<p>Trainee will be able to:</p> <p>P1 – Construct basic blocks according to garment design requirements</p> <p>P2 - Identify match points by lines</p>	<p>Trainee will be able to:</p> <p>K1 – Describe garment design requirements for basic block and pattern drafting of tops, bottoms and sleeves.</p> <p>K2 – Explain the importance of measurement in pattern making.</p>

Competency Unit	Performance Criteria	Knowledge and Understanding
	<p>P3 – Execute required curves according to basic block</p> <p>P4 – Review measurements, lines and marks to meet basic block requirements for pattern drafting of medium size</p> <p>P5 – Undertake amendments as required</p> <p>P6 – Finalise blocks by tracing on pattern sheet and adding seam allowance and ease</p>	<p>K3 – Outline the application of measurement to basic block.</p>

Competency Module D: Perform grading for production

Overview: This competency standard has been developed to provide understanding of grading for production which includes adjustment of various sizes to meet technical pack requirements.

Competency Unit	Performance Criteria	Knowledge and Understanding
<p>D1 – Trace off basic pattern for grading</p>	<p>Trainee will be able to:</p> <p>P1 – Identify grading requirements from garment design’s spec sheet</p> <p>P2 – Check traced basic pattern is in accordance with medium size requirements of technical specs</p> <p>P3 - Trace off basic pattern on pattern sheet using required tools</p>	<p>Trainee will be able to:</p> <p>K1 – Explain spec sheet</p> <p>K2 – Describe required sizes and their differentiation</p> <p>K3 – Describe tracing techniques and use of required tools</p>
<p>D2 - Mark grade points using formula</p>	<p>Trainee will be able to:</p> <p>P1 - Identify grading requirements</p> <p>P2 - Apply basic grading formula</p> <p>P3 - Identify grade points by lines</p> <p>P4 – Explain curves as per grading</p> <p>P5 – Calculate measurement difference as per requirement</p>	<p>Trainee will be able to:</p> <p>K1 – Explain grading formula and its application</p> <p>K2 – Explain measured horizontal and vertical differences as per industry standards</p> <p>K3 - Describe grade points</p> <p>K4 – List tools as required</p> <p>K5 – Relate lines/curves</p>

Competency Unit	Performance Criteria	Knowledge and Understanding
	<p>P6 – Apply calculated or measured differences correctly</p>	
<p>D3 – Complete final patterns from grading</p>	<p>Trainee will be able to:</p> <p>P1 – Complete final pattern grading</p> <p>P2 – Add required margins and seam allowances</p>	<p>Trainee will be able to:</p> <p>K1 – Describe curves, seam, washing and elasticity allowances and their importance for grading.</p>
<p>D4 – Review shapes and specs of all patterns</p>	<p>Trainee will be able to:</p> <p>P1 – Identify shapes and specs</p> <p>P2 – Analyse shapes and specs</p> <p>P3 – Apply changes in shapes and specs where required</p> <p>P4 – Follow safe work practices when grading for production</p>	<p>Trainee will be able to:</p> <p>K1 – Understand relationship between final shapes and specs, and required pattern</p> <p>K2 – Describe any changes required to prepare final pattern</p>

Competency Module E: Develop professionalism

Overview: The competency standard is designed to differentiate professionalism and being professional. This way of being is made up of appearance, manner, communication, interacting, attitudes, approach, skills and openness to grow. Professionalism is a combination of taught aspects, like knowledge and skills, and learning gained through experience.

Competency Unit	Performance Criteria	Knowledge and Understanding
E2 - Communicate with co-Workers	<p>Trainee will be able to:</p> <p>P1. Communicate with other team members using appropriate verbal, written and body language</p> <p>P2. Communicate with co-workers in other teams using appropriate verbal, written and body language.</p> <p>P3 Clarify design requirements for pattern making with designer</p> <p>P4 Communicate effectively using electronic or other media as required</p>	<p>Trainee will be able to:</p> <p>K1. Briefly explain basic communication theory as it applies to the workplace</p> <p>K2. Identify factors required to communicate effectively and precisely within same organisation</p> <p>K3. Explain the appropriate and professional use of electronic and relative media</p>
E2 - Manage Time	<p>Trainee will be able to:</p> <p>P1. Ensure assigned work is completed correctly</p> <p>P2. Meet the required deadlines</p> <p>P3. Work cooperatively with co-workers to complete assigned tasks.</p>	<p>Trainee will be able to:</p> <p>K1. Identify the importance of time division and allocation according to task priorities, involving management and co-workers.</p>


Competency Unit	Performance Criteria	Knowledge and Understanding
E3 - Work in a team	<p>Trainee will be able to:</p> <p>P1. Demonstrate skills required to work in teams.</p> <p>P2. Apply own job responsibilities in a team environment</p> <p>P3. Support colleagues to achieve team tasks and goals</p>	<p>Trainee will be able to:</p> <p>K1. Identify the importance of being a good team player.</p> <p>K2. Describe individual team member roles and responsibilities</p> <p>K3. List the skills required to work in teams</p>
E4. Follow health and safety requirements	<p>Trainee will be able to:</p> <p>P1. Follow workplace health and safety requirements</p> <p>P2. Work safely at all times</p> <p>P3. Assist peers in case of emergency</p> <p>P4. Select and use tools and materials safely in accordance with manufacturer's instructions</p>	<p>Trainee will be able to:</p> <p>K1.List core workplace health and safety requirements</p> <p>K2. Identify emergency procedures for fire, accident and injury</p> <p>K3. Define the importance of following operating instructions given for tools</p>


List of Tools/Equipment

- Computer system/ Personal computer with mail program for practicing professional email communication
- Telephone for practicing professional telephone communications
- 0.5 clutch pencil
- Eraser
- Scissors
- Set square
- Measuring tape
- Japanese ruler
- Steel rule 100 cm scale
- Paper weights
- Dummy
- Pattern sheets
- French curve
- Notcher
- Hook
- Tape (any of: scotch, sellotape, paper tape)
- Paper cutter

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