




<p>Unit Standard 2840 V5</p> <p>Input garment patterns to a CAD/CAM system and plot patterns</p> <p>Level 3, 5 Credits, Open Entry</p>	<p>Trainee: _____</p> <p>Assessor: _____</p>
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Unit Requirements	<p>To be credited with this unit standard you must be able to;</p> <ul style="list-style-type: none"> ➤ demonstrate knowledge of a CAD/CAM system and prepare for pattern input.; ➤ obtain and check patterns to be input; ➤ input patterns to CAD/CAM system; ➤ set up plotter; ➤ and plot patterns.
Special note:	<p>Any clothing CAD/CAM (Computer Aided Design, Computer Aided Manufacturing) system is acceptable for this unit standard, but those taking the unit standard need to be aware that being able to input patterns to any one system may or may not give them the knowledge to input to a different type of system</p> <p>Performance of the elements must comply with the Health and Safety in Employment Act 1992.</p> <p><i>Digitising patterns</i> into the system refers to using a mouse and/or digitiser. On systems where the pattern is scanned in, notches and high points will be input automatically.</p> <p><i>Workplace procedures</i> refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.</p> <p><i>Product, style or garment specification</i> are all terms for the same document. The terminology varies between workplaces but they all refer to the documentation that accompanies each manufacturing order. This documentation sets out the material to be used for the garment, the size range for manufacturing, the product assembly sequence, product finishing procedures and the component specifications.</p>
Notes to Trainee	<p>This assessment document is not a training programme. The training programme for the skills and knowledge required for this unit will be provided by your employer as part of your on-job training, or by programs from training providers. This document is a guide for you, your trainer, and your assessor for the assessment once you have learned and practised the skills involved.</p> <p>The time you will need to spend on training and practice to reach the standard which demonstrates that you are competent in this area will of course depend on other tasks that you may also have which are not part of this unit standard.</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <p>(Trainee can answer verbally or in writing.) (Trainee to write or assessor to record)</p> </div>

Input garment patterns to a CAD/CAM system

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Assessment

Assessment for many of the tasks will be to workroom standards and workplace procedures. You will need to discuss what these standards are with your trainer and/or assessor during your training period so that you are aware of what is required. Where these standards and work instructions are written down, you should collect copies so that you have something to refer to. Your assessor will also refer to these when you are being assessed.

In some cases for workplace skills, your Assessor may use someone with specialised knowledge of the process or machine to confirm your skills. This person is called a Verifier.

Some assessments require evidence that you demonstrate competence on an ongoing basis. Your assessor may also use a Verifier to confirm that this is the case.

You do not need to be assessed for all of the Unit Standard at one time. Assessment can take place as you develop the knowledge and skills. Your assessor will keep a record of progress, and once you have been assessed as competent for all the tasks, you will have completed this unit standard.

If any parts of the standard are not met, further evidence of your competence in that task/s will be sought. This is indicated on the **Assessment Evidence Guide** by the abbreviation **FER (Further Evidence Required)**.

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Assessor must discuss with Trainee prior to assessment	
Before the assessment	<p>If there are any parts of the assessment that you are not clear about, you must ask the assessor before you start the Assessment. You need to agree to the amount and type of evidence to be collected.</p> <p>You must tell the assessor if you have any special needs e.g. hearing or seeing difficulties before doing the assessment tasks. The assessor/verifier will take these special needs into consideration during the assessment.</p>
During the Assessment	<p>The assessment process will consist of questions to assess your knowledge, and observation of you carrying out specific tasks. You would normally answer questions verbally and your assessor will note answers. In some cases you may be able to demonstrate knowledge as a written project. In this case simple diagrams could be used. You should discuss the best way with your assessor.</p> <p>The workplace is often a noisy environment. Your assessor will try and find a quiet place to ask questions so that you are able answer easily. However, in some cases you may feel better able to answer questions at a machine or worksite. You should discuss this with your assessor before the assessment.</p>
After the Assessment	<p>The assessor will tell you if you are 'competent' or 'not yet competent'. Not yet competent means that you have not done the tasks, or part of the tasks to the standard that is needed, and you will have to give the assessor more information. If you need to give the assessor more information then you will be clearly told of what it is that you need to do.</p> <p>You have a right to appeal your assessor's decision if you are not happy with the assessor's decision. Your assessor will explain the appeal process.</p> <p>At the end of the assessment you will be asked to sign the assessment to show that you were happy with how the assessment went. Do not sign this section if you do not agree that the assessment was fair.</p> <p>You and your assessor must each sign and keep a copy of the Candidate Check List and the Assessment Record. These are at the back of this Assessment Document.</p> <p>Results of the assessment will be kept by your assessor, passed to your Employer, and sent to the Apparel and Textile ITO who will register competency on the New Zealand Qualifications Framework</p>
Special Needs Identified (enter any special needs here)	
	<p>Assessment Process above has been discussed and Trainee understands the process.</p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>

Input garment patterns to a CAD/CAM system

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Element 1. Demonstrate knowledge of a CAD/CAM system and prepare for pattern input

p c 1.1 Component parts of the system are described in terms of their functions

Note to Trainee:


If you answer the question verbally it may be easier if you are at the system so that you can show the relevant parts of the system as part of your description. The question could also be answered in writing as a project. Some of your performance will be assessed against Workplace Procedures and System Requirements. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures and Requirements are not available.

Component	Function	Competent(C)/ Further Evidence Required (FER) & Sign/Date
central processing unit (CPU)		
digitising board or scanner		
digitiser		
keyboard		
display unit		
plotter		
printer		

Input garment patterns to a CAD/CAM system


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Element 1. Demonstrate knowledge of a CAD/CAM system and prepare for pattern input (cont)

		Observed 	C /FER & Sign/Date
p c 1.2	Files are created and existing files are opened according to system requirements		
p c 1.3	Pattern numbering and piece identification are described according to workplace procedures		
Assessor Notes:			

Element 2. Obtain and check patterns to be input**Note to Trainee and Assessor:**

Some of your performance will be assessed against Workplace Procedures and System Requirements. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures and Requirements are not available.

		Observed 	C /FER & Sign/Date
2.1	Patterns comments are determined from the style specifications		
2.2	Grain lines and/or directional marking restrictions are confirmed from the style specification		
2.3	Patterns needing to be duplicated for a garment are identified from the style specifications		
2.4	Total number of pattern pieces for garment meet the style specifications.		
2.5	Sizes of patterns supplied are established before input according to job instructions		
Assessor Notes:			


Input garment patterns to a CAD/CAM system

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Element 3. Input patterns to CAD/CAM system

Note to Trainee and Assessor:

Some of your performance will be assessed against Workplace Procedures and System Requirements. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures and Requirements are not available.

		Observed 	C /FER & Sign/Date
p c 3.1	Patterns are securely attached to board or scanner in accordance with workplace procedures		
p c 3.2	Notches and/or high points are digitised or scanned according to pattern pieces.		
p c 3.3	Patterns pieces are identified according to system procedures		
p c 3.4	Patterns pieces are marked for size and style according to system procedures		
p c 3.5	Number of pieces input meets style specifications		
p c 3.6	File is named and saved according to system and in accordance with workplace procedures		
p c 3.7	Documentation is completed in accordance with workplace procedures		

Assessor Notes:


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Element 4. Set up plotter

Note to Trainee and Assessor:

Some of your performance will be assessed against Manufacturers Specifications. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Specifications are not available.

		Observed 	C /FER & Sign/Date
p c 4.1	Paper is loaded to plotter according to manufacturer's specifications		
p c 4.2	Pens are checked for sufficient ink before plotting and replaced, if required, to manufacturer's specifications		

Assessor Notes:


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Element 5. Plot patterns

Note to Trainee and Assessor:

Some of your performance will be assessed against Workplace Procedures and System Requirements. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures and Requirements are not available.

		Observed 	C /FER & Sign/Date
p c 5.1	Patterns conform to recognised size scales and size is stated.		
	full size		
	miniature		
p c 5.2	Plotted patterns match the master		
	size		
	grain direction		
	notches		
	drill holes		
	annotation		
	shape		

Assessor Notes:

number

Assessment Decisions: Competent / Not competent (circle one)

Assessor : _____ **Date:** _____

Action Plan for Further Evidence (if required)

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CANDIDATE'S CHECKLIST (candidate to retain).

PRE-ASSESSMENT. (When I meet the assessor:)

		Tick
1	I agree to the unit standards/elements to be used for the assessment.	
2	The purpose and process of the assessment is explained to me.	
3	I agree to the amount and type of evidence to be collected.	
4	I agree to the date, time and location for the assessment.	
5	What happens to the assessment result and the appeals system is explained to me	
6	The assessor agrees to keep my Supervisor/Line Manager informed.	
7	The following resources will be available for the assessment::	

Candidate Signature: _____

Assessor Signature: _____

AFTER ASSESSMENT

1	The assessment was carried out as programmed above.	
2	I was informed of the assessment result.	
3	I was given sufficient feedback after the assessment.	
4	I signed the assessment record.	
5	If assessed competent the assessor signed the assessment record for forwarding to the ITO with my fee/s.	
*	If assessed not yet competent the elements to be reassessed were recorded in the Assessor's Register.	

Candidate Signature: _____

Assessor Signature: _____

Assessor to fill in details below when candidates is assessed competent:

Candidate's name:

Competent in unit standard number: 2840 V5

Assessors signature : _____ Date: _____

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ASSESSMENT RECORD SHEET

Trainee Details (Trainee to complete)

Name _____ Date of birth: _____

Home address: _____

Employer: _____

Signed: _____ Date: _____

Assessor Details (Assessor to fill out)

As an ATITO workplace assessor I verify that I have assessed the person above as competent in the unit standard(s) listed below.

Signed: _____ Date: ____/____/____

Full Name: _____

WA Number:

It is recommended that Workplace Assessors contact the ATITO before embarking on assessment to ensure that they have the latest information.

Unit Id	Unit Standard Title	Level	Credit	Signed (Assessor)
2840 V5	Input garment patterns to a CAD/CAM system	3	5	
TOTAL CREDITS				

Payment for credit fees enclosed (\$1.55 per credit):

- YES NO – ATITO will invoice employer - please attach company order number if necessary.

Assessor: Ensure this form is completed in full. Make 2 extra copies. Give one to the trainee, keep one for your files, and send the original to: **Apparel & Textile ITO, PO Box 13-210, Christchurch**