




<p><b>Unit Standard 4843 V5</b></p> <p><b>Apply the properties of fibres and yarns to the design of knitted goods</b></p> <p><b>Level 5, 7 Credits, Open Entry</b></p>	<p><b>Trainee:</b> _____</p> <p><b>Assessor:</b> _____</p>
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<b>Unit Requirements</b>	<p>To be credited with this unit standard you must be able to;</p> <ul style="list-style-type: none"> <li>➤ describe: the characteristics and properties of spun yarns as applied to;</li> <li>➤ knitted fabrics and goods for specified end-uses;</li> <li>➤ the characteristics and properties of filament yarns;</li> <li>➤ as applied to knitted fabrics and goods for specified end-uses;</li> <li>➤ and the characteristics and properties of combinations of fibres;</li> <li>➤ blends of fibres, and/or yarn-types and blends of yarn-types,</li> <li>➤ as applied to knitted fabrics and goods for specified end-uses.</li> </ul>
<b>Special note:</b>	<p>This unit standard relates to the combined properties of textile fibres and the yarns produced from them, and to their application to the knitting industry across all sectors. Technical aspects that are required to be covered in demonstrating competence in this unit standard include:</p> <p style="padding-left: 20px;">the range of spun yarns, and the properties of the fibres from which they are spun; monofilament and multifilament flat and textured yarns, and the properties of the fibres from which they are spun;</p> <p style="padding-left: 20px;">the range of properties required in knitted fabrics and goods in relation to specified end-uses.</p> <p>Properties may include any one or combinations of the following:</p> <ul style="list-style-type: none"> <li>strength;</li> <li>fineness;</li> <li>smoothness;</li> <li>softness;</li> <li>warmth;</li> <li>bulk;</li> <li>coolness;</li> <li>roughness;</li> <li>elasticity;</li> <li>extensibility;</li> <li>non-extensibility;</li> <li>stiffness;</li> <li>lustre;</li> <li>moisture absorbency;</li> <li>wickability;</li> <li>thermoplasticity;</li> <li>non-thermoplasticity;</li> <li>twist, and torque in the yarns.</li> </ul> <p>Performance of the elements conform to the Health and Safety in Employment Act 1992.</p>

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<p><b>Notes to Trainee</b></p>	<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>  <p>(Trainee can answer verbally or in writing.) (Trainee to write or assessor to record)</p>
<p><b>Assessment</b></p>	<p>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.</p> <p>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 <b>Verifier</b>.</p> <p>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.</p> <p>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.</p> <p>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 <b>Assessment Evidence Guide</b> by the abbreviation <b>FER (Further Evidence Required)</b>.</p>

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<b>Assessor must discuss with Trainee prior to assessment</b>	
<b>Before the assessment</b>	<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>
<b>During the Assessment</b>	<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>
<b>After the Assessment</b>	<p>The assessor will tell you if you are '<b>competent</b>' or '<b>not yet competent</b>'. <b>Not yet competent</b> 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 <b>appeal</b> 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 <b>keep a copy</b> 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>
<b>Special Needs Identified (enter any special needs here)</b>	
	<p><b>Assessment Process above has been discussed and Trainee understands the process.</b></p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>

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**Note to Trainee and Assessor:**

You need to show that you have considered the appropriate properties from the list in the Special Notes. You should consider your responses in relation to Company products.

**Element 1. Describe the characteristics and properties of spun yarns as applied to knitted fabrics and goods for product end-uses**

**p c 1.1 Goods produced from spun yarns by knitting processes are specified in terms of their end-uses**

Knitted Product	Describe the end use of this product	Competent(C) Further Evidence Required (FER) & Sign/Date

**p c 1.2 Specific fibre-type and spun-yarn combinations are selected and justified in terms of their properties relevant to the product's end-uses**

End-use	Select fibre and yarn combination for end use and justify selection	C /FER & Sign/Date

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**Element 1. Describe the characteristics and properties of spun yarns as applied to knitted fabrics and goods for product end-uses (cont.)**

**Assessor Notes:**

**p c 2. Describe the characteristics and properties of filament yarns as applied to knitted fabrics and goods for product end-uses**

**p c 2.1 Goods produced from filament yarns by knitting processes are specified in terms of their end-uses**

Knitted Product	Describe the end use of this product	C /FER & Sign/Date

**p c 2.2 Specific fibre-type and filament-yarn combinations are selected and justified in terms of their properties relevant to the product's end-uses.**

End-use	Select fibre and yarn combination for end use and justify selection	C /FER & Sign/Date

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<b>p c 2.2</b>	<b>Specific fibre-type and filament-yarn combinations are selected and justified in terms of their properties relevant to the product's end-uses. (cont.)</b>	
<b>End-use</b>	<b>Select fibre and yarn combination for end use and justify selection</b>	<b>C /FER &amp; Sign/Date</b>
<b>Assessor Notes:</b>		

<b>Element 3. Describe the characteristics and properties of combinations of fibres blends of fibres, and/or yarn-types and blends of yarn-types as applied to knitted fabrics and goods for product end-uses</b>		
<b>p c 3.1</b>	<b>Goods produced from combinations of fibres and yarn types by knitting processes are specified in terms of their end-uses</b>	
<b>Knitted Product</b>	<b>Describe the end use of this product</b>	<b>C /FER &amp; Sign/Date</b>



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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: 4843 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: \_\_\_\_/\_\_\_\_/\_\_\_\_

WA Number:
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Full Name: \_\_\_\_\_

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)
4843 V5	Apply the properties of fibres and yarns to the design of knitted goods	5	7	

**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**