

## QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR TEXTILE SECTOR

### What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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### Introduction

## Qualifications Pack – Knitting Machine Operator –Warp Knitting

**SECTOR:** TEXTILE

**SUB-SECTOR:** KNITTING

**OCCUPATION:** KNITTING

**REFERENCE ID:** TSC/ Q 4103

**ALIGNED TO:** NCO-2004 /8262.55

**Brief Job Description:** A knitting machine operator – warp knitting is responsible for operating the knitting machine in a knitting mill. This job requires the individual to have thorough knowledge of process flow and material flow in a knitting machine for fabric production and should know the important functions and operations of warp knitting machines.

**Personal Attributes:** An knitting operator should have good eyesight, hand-eye-leg coordination, motor skills and vision. He/she should also have good interpersonal skills.

<b>Job Details</b>	<b>Qualifications Pack Code</b>	<b>TSC/Q4103</b>		
	<b>Job Role</b>	<b>Knitting Machine Operator-Warp Knitting</b>		
	<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
	<b>Sector</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
	<b>Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
	<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>
<b>Job Role</b>	<b>Knitting Machine Operator – Warp Knitting</b>			
<b>Role Description</b>	This job requires the individual to have thorough knowledge in process flow and material flow in a knitting machine for fabric production and should be able to know the important functions and operations of knitting machines.			
<b>NSQF level</b>	4			
<b>Minimum Educational Qualifications</b>	5 <sup>th</sup> standard, preferably			
<b>Maximum Educational Qualifications</b>	N/A			
<b>Training</b> (Suggested but not mandatory)	Not Applicable			
<b>Experience</b>	Preferably 1-2 years of work experience in a textile mill			
<b>National Occupational Standards (NOS)</b>	<p><b>Compulsory:</b></p> <ol style="list-style-type: none"> <li><a href="#">TSC/ N4109 Taking charge of shift and handing over shift to operator</a></li> <li><a href="#">TSC/ N4110 Repair yarn related faults</a></li> <li><a href="#">TSC/ N4111 Operating the Warp Knitting Machine</a></li> <li><a href="#">TSC/ N4112 Knotting the yarn and fabric take off</a></li> <li><a href="#">TSC/ N4113 Repair yarn related faults at the knitting head and fabric press off</a></li> <li><a href="#">TSC/ N9001 Maintain work area, tools and machines</a></li> <li><a href="#">TSC/ N9002 Working in a team</a></li> <li><a href="#">TSC/ N9003 Maintain health, safety and security at workplace</a></li> <li><a href="#">TSC/ N9004 Comply with industry and organizational requirement</a></li> </ol> <p><b>Optional: N/A</b></p>			
<b>Performance Criteria</b>	As described in the relevant OS units			

**Table 1: Glossary of Key Terms**

Keywords /Terms	Description
Definitions	Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Vertical	Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Sub-functions	Sub-functions are sub-activities essential to fulfill the achieving the objectives of the function.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualifications Pack(QP)	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an OS unit, which can be denoted with either an 'O' or an 'N'.
Unit Title	Unit Title gives a clear overall statement about what the incumbent should be able to do.

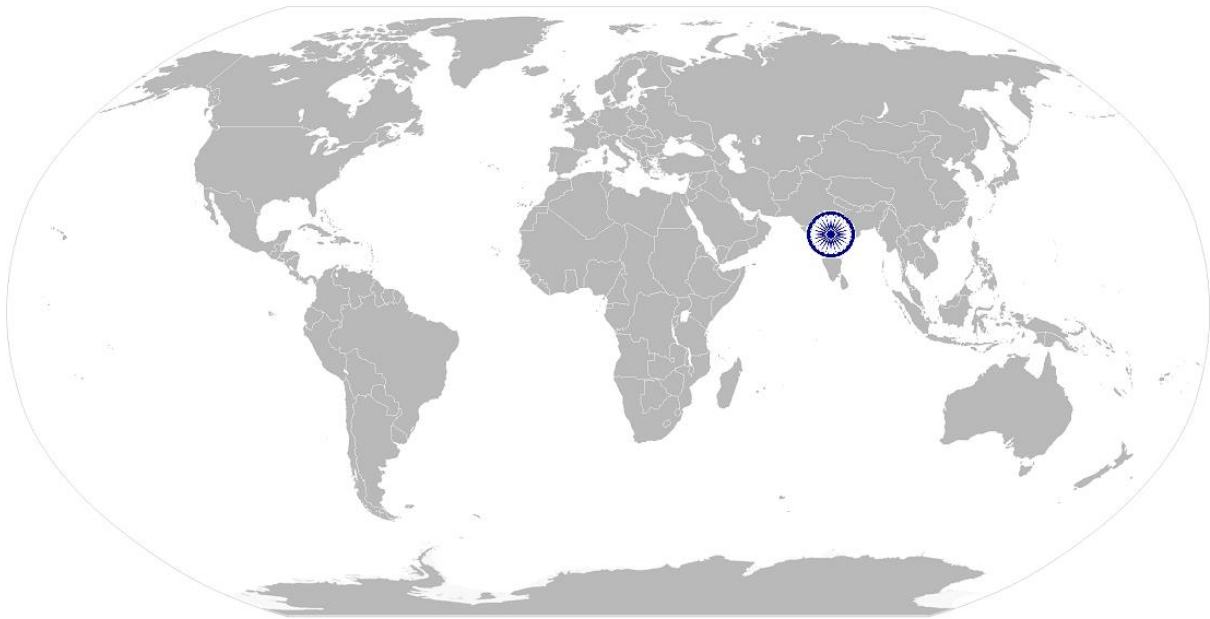
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of performance required.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS , these include communication related skills that are applicable to most job roles.
<b>Keywords /Terms</b>	<b>Description</b>
SSC	Sector Skill Council
OS	Occupational Standard(s)
NOS	National Occupational Standard(s)
QP	Qualifications Pack
NSQF	National Skill Qualifications Framework
NCO	National Classifications of Occupation
TBD	To Be Determined
TSC	Textile Sector Skill Council
NSDC	National Skill Development Corporation

**Acronyms**

**TSC/ N4109**

Taking charge of shift and handing over shift to operator

# National Occupational Standard



## Overview

**This unit is about taking charge of shift from the co-operator and handing over shift to next operator.**

TSC/ N4109

Taking charge of shift and handing over shift to operator

National Occupational Standard	<b>Unit Code</b>	TSC/ N 4109
	<b>Unit Title (Task)</b>	Taking charge of shift and handing over shift to operator
	<b>Description</b>	This unit is about taking charge of shift from previous shift operator and relieving the responsibilities to the next shift operator
	<b>Scope</b>	<b>This unit/task covers the following:</b> <ul style="list-style-type: none"> <li>▪ Taking charge of shift</li> <li>▪ Handing over shift</li> </ul>
	<b>Elements</b>	<b>Performance Criteria</b>
	Taking charge of shift	<p>To be competent, you must be able to:</p> <p>PC1. reach at least 10 - 15 minutes early to the work place</p> <p>PC2. bring the necessary operational tools to the department</p> <p>PC3. meet the previous shift operator and collect the information regarding the count, process, issues faced in quality, current beam production followed in the knitting department.</p> <p>PC4. be updated on information regarding the current order such as it is for which company and other details.</p> <p>PC5. ensure proper functioning of machine and problems if any should be reported to the supervisor and maintenance in- charge.</p> <p>PC6. understand and be informed about the current order quantity and balance quantity.</p> <p>PC7. be updated on the new order fabric details and quantity.</p>
	Handing Over Shift	<p>PC8. clean the machine and department before handing over the shift.</p> <p>PC9. hand over the necessary operational tools if any.</p> <p>PC10. meet the next shift operator and give the information regarding the count, GSM, loop length, process, issues faced in quality, and current fabric production followed in the knitting department.</p> <p>PC11. note the production details for the current shift</p> <p>PC12. ensure proper functioning of the machine and problems if any, should be reported to the supervisor and maintenance in- charge.</p> <p>PC13. give details to the next shift operator about the current order quality, quantity and balance quantity.</p> <p>PC14. convey information regarding new order fabric details and quantity.</p>
	<b>Knowledge and Understanding (K)</b>	
	<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. standard operating procedures (SOP) and regulations in a knitting industry</p> <p>KA2. safe working practices to be adopted in knitting industry</p> <p>KA3. quality systems and other processes practiced in the knitting industry</p> <p>KA4. reporting to the supervisor or higher authority in case of emergency</p> <p>KA5. color coding adopted for different counts in the knitting industry</p>

**TSC/ N4109**

**Taking charge of shift and handing over shift to operator**

<p><b>B. Technical Knowledge</b></p>	<p>You need to know and understand:</p> <p>KB1. process flow and material flow in knitting industry</p> <p>KB2. functions of knitting machine</p> <p>KB3. importance of yarn quality, fabric type and quality</p> <p>KB4. functions of control switches and signal lamps in knitting machine</p> <p>KB5. functions of different control switches in knitting machine</p> <p>KB6. knowledge of different functions in display panel and procedure to operate the knitting machine.</p> <p>KB7. importance of fabric technical details (gsm, looplevelength, type of the fabric...)</p> <p>KB8. knowledge about type of the fabric, machine settings.</p> <p>KB9. functions of different control switches and signal lamps in knitting machine</p> <p>KB10. knowledge of different functions in display panel and procedure to operate the knitting machine.</p> <p>KB11. importance of fabric technical details (gsm, loop length, type of the fabric...)</p> <p>KB12. knowledge about type of the fabric, machine settings.</p> <p>KB13. importance of cleanliness and safety at work place.</p>
<p><b>Skills (S)</b></p>	
<p><b>A. Core Skills/ Generic Skills</b></p>	<p><b>Writing Skills</b></p> <p>You need to know and understand how to:</p> <p>SA1. write clear and short sentences</p> <p><b>Reading Skills</b></p> <p>You need to know and understand how to:</p> <p>SA2. read and comprehend written instructions</p> <p><b>Oral Communication (Listening and Speaking skills)</b></p> <p>You need to know and understand how to:</p> <p>SA3. communicate with supervisor appropriately</p> <p>SA4. talk to others to convey information effectively</p>
<p><b>B. Professional Skills</b></p>	<p><b>Problem Solving</b></p> <p>You need to know and understand how to:</p> <p>SB1. apply problem-solving approaches in different situations</p> <p>SB2. refer anomalies to the supervisor</p> <p>SB3. seek clarification on problems from others</p> <p><b>Attention to Detail</b></p> <p>You need to know and understand how to:</p> <p>SB4. apply good attention to detail</p> <p>SB5. check your work is complete and free from errors</p>
<p><b>C. Technical Skills</b></p>	<p>You need to know and understand how to:</p> <p>SC1. procedure to collect the yarn from creel zone and condense through the guides, positive feeders for fabric formation.</p> <p>SC2. standard operating procedure for carrying out knotting activity</p>

**TSC/ N4109**

**Taking charge of shift and handing over shift to operator**

	<ul style="list-style-type: none"><li>SC3. procedure for collecting the yarn from creel zone and condense through the guides, positive feeders for fabric formation.</li><li>SC4. standard operating procedure for carrying out knotting activity</li><li>SC5. standard operating procedure for carrying out fabric take off activity</li><li>SC6. procedure for segregating the different types of fabric and yarn</li><li>SC7. procedure for storing the fabric roll.</li><li>SC8. procedure for checking the fabric roll.</li><li>SC9. procedure for segregating the different types of wastes</li><li>SC10. procedure for storing reusable wastes and weighing them</li><li>SC11. procedure for material handling of cone, fabric roll.</li><li>SC12. maintain cleanliness at work.</li></ul>
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**TSC/ N4109**

Taking charge of shift and handing over shift to operator

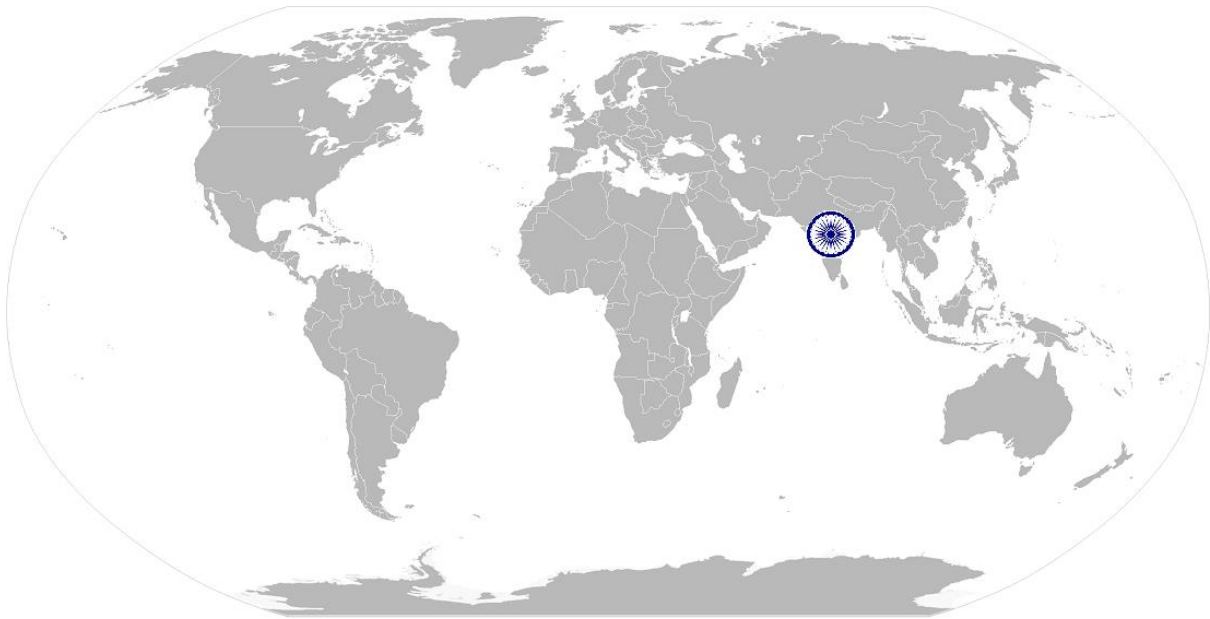
**NOS Version Control**

NOS Code	TSC/ N 4109		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Knitting	Last reviewed on	21/01/15
Occupation	Knitting	Next review date	01/03/16

**TSC/ N4110**

Repair yarn related faults

# National Occupational Standard



## Overview

**This unit is about repairing yarn related faults**

**TSC/ N4110**

**Repair yarn Related faults**

National Occupational Standard	<b>Unit Code</b>	<b>TSC/ N 4110</b>
	<b>Unit Title (Task)</b>	<b>Repair yarn related faults</b>
	<b>Description</b>	This unit is about carrying out the Repair yarn-related faults at the knitting head and fabric press-offs.
	<b>Scope</b>	<b>This unit/task covers the following:</b> <ul style="list-style-type: none"> <li>▪ attending the yarn-related faults</li> </ul>
	<b>Elements</b>	<b>Performance Criteria</b>
	Attending the yarn related faults	To be competent, you must be able to: <ul style="list-style-type: none"> <li>PC1. identify incorrectly-positioned yarns and are rethread them in accordance with workplace procedures</li> <li>PC2. identify the reasons for yarn breakage</li> <li>PC3. join broken yarns or new ends in accordance with workplace procedures.</li> <li>PC4. reset machines for restart in accordance with workplace procedures range after fault correction, style changes, and pattern changes.</li> </ul>
	<b>Knowledge and Understanding (K)</b>	
	<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	You need to know and understand: <ul style="list-style-type: none"> <li>KA1. standard operating procedures (SOP)and regulations in a spinning mill</li> <li>KA2. safe working practices to be adopted in spinning mill</li> <li>KA3. quality systems and other processes practiced in the spinning mill</li> <li>KA4. reporting to the supervisor or higher authority in case of emergency</li> <li>KA5. color coding adopted for different counts in the spinning mill</li> </ul>
	<b>B. Technical Knowledge</b>	You need to know and understand: <ul style="list-style-type: none"> <li>KB1. process flow and material flow in knitting industry</li> <li>KB2. functions of knitting machine</li> <li>KB3. functions of control switches and signal lamps in knitting machine</li> <li>KB4. importance of knotting</li> <li>KB5. importance of doffing</li> <li>KB6. importance of fabric quality</li> <li>KB7. guidelines for knotting the yarn</li> <li>KB8. guidelines for carrying out fabric take off activity</li> <li>KB9. functions of different control switches in knitting machine</li> <li>KB10. knowledge of different functions in display panel and procedure to operate the knitting machine</li> <li>KB11. functions of different signal lamps in knitting machine.</li> <li>KB12. importance of cleanliness and safety at work place</li> </ul>
	<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>	You need to know and understand how to: <ul style="list-style-type: none"> <li>SA1. write clear and short sentences</li> </ul>
	<b>Reading Skills</b>	You need to know and understand how to: <ul style="list-style-type: none"> <li>SA2. comprehend written instructions</li> </ul>

**TSC/ N4110**

**Repair yarn Related faults**

	<b>Oral Communication (Listening and Speaking skills)</b>
	You need to know and understand how to: SA3. communicate with supervisor appropriately SA4. talk to others to convey information effectively
<b>B. Professional Skills</b>	<b>Problem Solving</b>
	You need to know and understand how to: SB1. apply problem-solving approaches in different situations SB2. refer anomalies to the supervisor SB3. seek clarification on problems from others
	<b>Attention to Detail</b>
	You need to know and understand how to: SB4. apply good attention to detail SB5. check your work is complete and free from errors
<b>C. Technical Skills</b>	You need to know and understand: SC1. procedure to collect the yarn from creel zone and condense through the guides, positive feeders for fabric formation. SC2. standard operating procedure for carrying out knotting activity SC3. standard operating procedure for carrying out fabric take off activity SC4. procedure for segregating the different types of wastes SC5. procedure for storing reusable wastes and weighing them SC6. procedure for material handling of cone, fabric roll SC7. maintain cleanliness at work



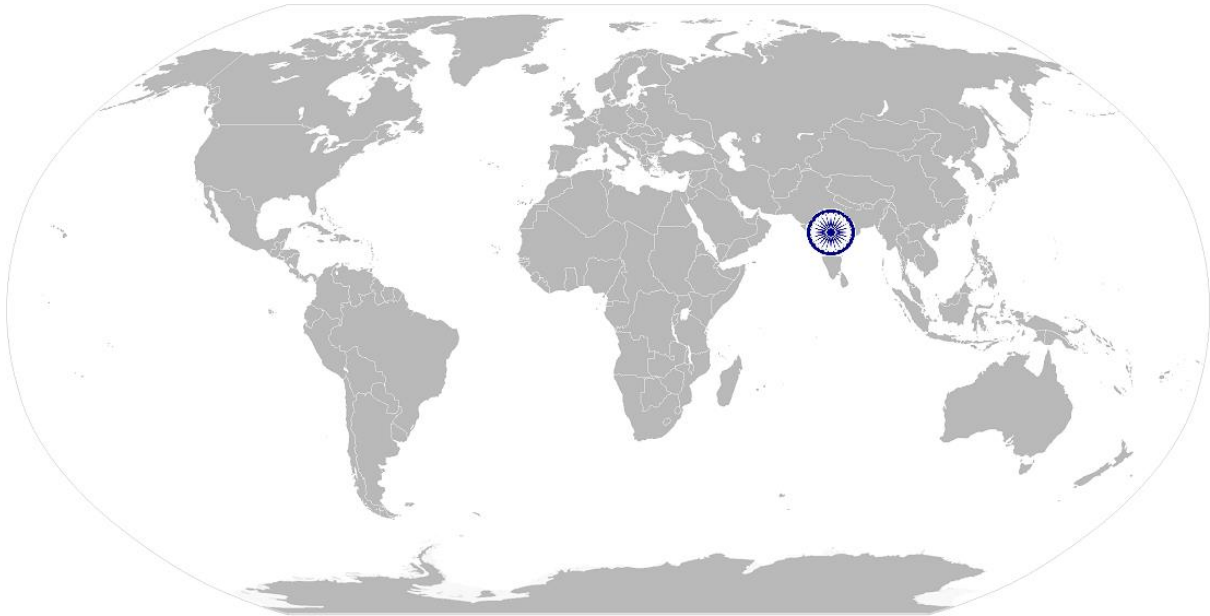
**TSC/ N4110**

**Repair yarn Related faults**

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Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Knitting	Last reviewed on	21/01/15
Occupation	Knitting	Next review date	01/03/16

# National Occupational Standard



## Overview

This unit is about operating the warp knitting machine

TSC/ N4111

**Operating the Warp Knitting Machine**

National Occupational Standard	<b>Unit Code</b>	TSC/ N 4111
	<b>Unit Title (Task)</b>	Operating the warp knitting machine
	<b>Description</b>	This unit is about carrying out procedure for operating the sequence of warp knitting machine
	<b>Scope</b>	<p><b>This unit/task covers the following:</b></p> <ul style="list-style-type: none"> <li>▪ operating the knitting machine</li> <li>▪ repair yarn-related faults at the knitting head and fabric press-offs</li> <li>▪ carryout maintenance activities</li> <li>▪ material handling and safety at workplace</li> <li>▪ other responsibilities</li> </ul>
	<b>Elements</b>	<b>Performance Criteria</b>
Operating the knitting machine	<p>to be competent, you must be able to:</p> <p>PC1. start the machine</p> <p>PC2. operate the control switches for starting and stopping the warp knitting machine.</p> <p>PC3. follow the signal lamps used in machines.</p> <p>PC4. ensure proper functioning of the knitting machine by verifying in the display panel.</p> <p>PC5. operate the warping machine in accordance with workplace procedures to produce beams of lengths specified in work instructions.</p> <p>PC6. Produce beams through reed and traverse-mechanism adjustments during warp build-up, free of yarn collars and/or winding collapses in accordance with workplace procedures.</p> <p>PC7. Produce beams of exact levelness throughout by means of critical setting and adjustment of yarn tensions in accordance with workplace procedures.</p> <p>PC8. reset broken ends in accordance with workplace procedures.</p> <p>PC9. Thread completed beams are prepared ready into warp-knitting machines in accordance with workplace procedures.</p> <p>PC10. Identify completed beams, doff, and store in accordance with workplace procedures or as directed by the supervisor.</p> <p>PC11. Ensure yarn paths, eyelets, tension devices, and reeds are clean and free of contamination and build-up of residues from the yarns in accordance with workplace procedures.</p> <p>PC12. Ensure the warping environment is clean and free of contaminants in accordance with workplace procedures.</p> <p>PC13. ensure the machines are monitored for continuous functioning of all systems, and variations notified, in accordance with workplace procedures.</p> <p>PC14. ensure the documentation of production is completed in accordance with workplace procedures.</p> <p>PC15. ensure the machines are lubricated as directed in accordance with workplace procedures.</p> <p>PC16. check whether the yarns are properly fed in the knitting machine</p>	

**TSC/ N4111**

**Operating the Warp Knitting Machine**

	<p>PC17. knot the yarn during breakage</p> <p>PC18. view the display panel or signal and identify the reasons for machine stoppages if any</p> <p>PC19. ensure the knitting machine is running in the set speed by viewing the display panel</p> <p>PC20. ensure the working area is clean</p> <p>PC21. ensure proper functioning of machine</p>
Repair yarn-related faults at the knitting head and fabric press-offs	<p>PC22. to ensure incorrectly-positioned yarns are rethreaded</p> <p>PC23. to ensure the broken yarns or new ends are joined</p> <p>PC24. fabric press-offs are fixed in accordance with machine-type and workplace procedures.</p> <p>PC25. machines are reset for restart in accordance with workplace procedures.</p> <p>PC26. range after fault correction, style changes, and pattern changes.</p>
Carryout maintenance activities	<p>PC27. to support the fitter for carrying out maintenance activities</p> <p>PC28. ensure the gsm, loop length variation is within the limits and if it's abnormal report it to superiors.</p> <p>PC29. inform the supervisor and maintenance in- charge in case of a jam</p> <p>PC30. to support the fitter during minor breakdown</p> <p>PC31. ancillary process machines are operated in accordance with machine-builder's instructions and workplace procedures</p> <p>PC32. safety precautions that comply with workplace procedures are observed.</p> <p>PC33. Ensure the working environment is kept clean and free of contamination.</p>
Material handling and safety at workplace	<p>PC34. ensure proper material handling of yarn, beam and fabric roll</p> <p>PC35. ensure using proper material handling of tools and equipments</p> <p>PC36. ensure safety while operating the card</p> <p>PC37. use safety gadgets like caps, masks and shoes and verifying the safety stop motions</p>
Other responsibilities	<p>PC38. ensure the fabric produced is free from outside damages</p> <p>PC39. collect usable waste to be weighed at shift end and to be placed in the specified area</p> <p>PC40. inform superiors immediately, if any break down or fault in the machine is noticed</p> <p>PC41. ensure the proper functioning of signal lamps</p> <p>PC42. ensure that machine is always working properly, if any deviations inform superiors immediately</p> <p>PC43. yarn wastes are identified by fibre content and sorted according to workplace procedures.</p> <p>PC44. Ensure fabric wastes are identified and sorted according to workplace procedures.</p> <p>PC45. provide all relevant information's of the current working process to the next shift operator before relieving.</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b>	<p>You need to know and understand:</p> <p>KA1. standard operating procedures (SOP)and regulations in a spinning mill</p>



**TSC/ N4111**

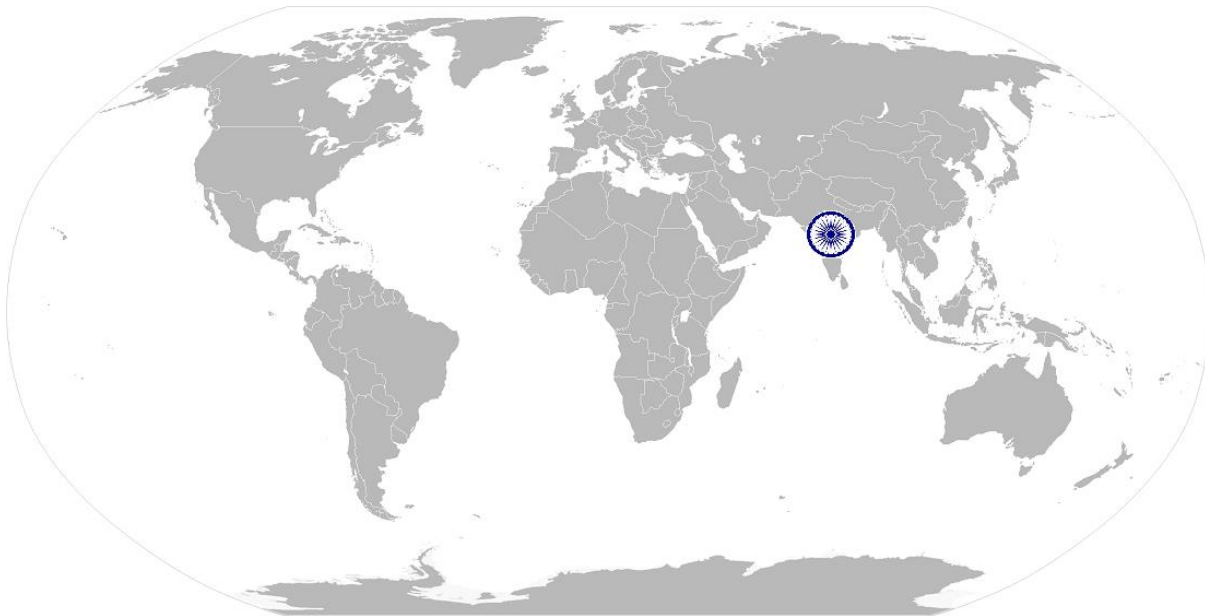
**Operating the Warp Knitting Machine**

(Knowledge of the company/ organization and its processes)	<p>KA2. safe working practices to be adopted in spinning mill</p> <p>KA3. quality systems and other processes practiced in the spinning mill</p> <p>KA4. reporting to the supervisor or higher authority in case of emergency</p> <p>KA5. color coding adopted for different counts in the spinning mill</p>
<b>B. Technical Knowledge</b>	<p>You need to know and understand:</p> <p>KB1. process and material flow in a knitting machine</p> <p>KB2. understanding the importance of yarn, types of yarn, yarn count, types of fabric, loop length, gsm, importance of yarn and fabric quality</p> <p>KB3. importance of weft knitting machine, various parts in a knitting machine and their functions</p> <p>KB4. function of positive feeder</p> <p>KB5. importance &amp; functions of signal lamps</p> <p>KB6. different control buttons in knitting machine</p> <p>KB7. knowledge of different functions in display panel and procedure to operate the knitting machine</p> <p>KB8. types of wastes</p> <p>KB9. procedure for collecting wastes</p> <p>KB10. guidelines for operating the material handling tools and equipments</p> <p>KB11. importance of cleanliness at work place</p> <p>KB12. procedure to identify the normal defects in fabric and actions needed to correct them</p> <p>KB13. guidelines for carrying out cleaning activities</p> <p>KB14. guidelines for carrying out maintenance activities</p> <p>KB15. importance of material handling</p> <p>KB16. types of material handling equipments used</p> <p>KB17. functions and methodology for operating different material handling equipments.</p> <p>KB18. safety gadgets used in a knitting department.</p>
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	<p>You need to know and understand how to:</p> <p>SA1. write clear and short sentences</p>
	<b>Reading Skills</b>
	<p>You need to know and understand how to:</p> <p>SA2. read and comprehend written instructions</p>
<b>B. Professional Skills</b>	<b>Oral Communication (Listening and Speaking skills)</b>
	<p>You need to know and understand how to:</p> <p>SA3. communicate with supervisor appropriately</p> <p>SA4. talk to others to convey information effectively</p>
	<b>Problem Solving</b>
	<p>You need to know and understand how to:</p> <p>SB1. apply problem-solving approaches in different situations</p> <p>SB2. refer anomalies to the supervisor</p> <p>SB3. seek clarification on problems from others</p>

**TSC/ N4111**

**Operating the Warp Knitting Machine**

	<p><b>Attention to Detail</b></p> <p>You need to know and understand how to:</p> <p>SB4. apply good attention to detail</p> <p>SB5. check your work is complete and free from errors</p>
<p><b>C. Technical Skills</b></p>	<p>You need to know and understand how to :</p> <p>SC1. procedure to identify and remove the defects in fabric</p> <p>SC2. procedure for cleaning the wastes and waste segregation</p> <p>SC3. procedure to carryout cleaning activities in knitting machine</p> <p>SC4. procedure for cleaning the knitting machine area.</p> <p>SC5. procedure to carryout basic maintenance activities in knitting machine</p> <p>SC6. maintain cleanliness at work place</p>

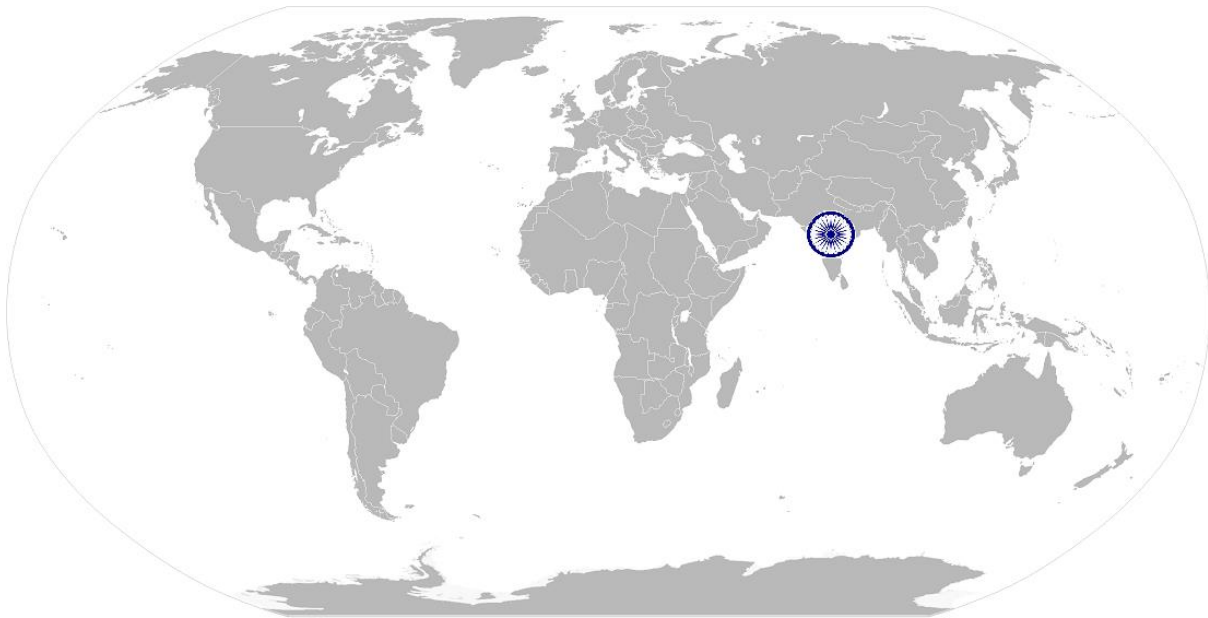


**TSC/ N4111**

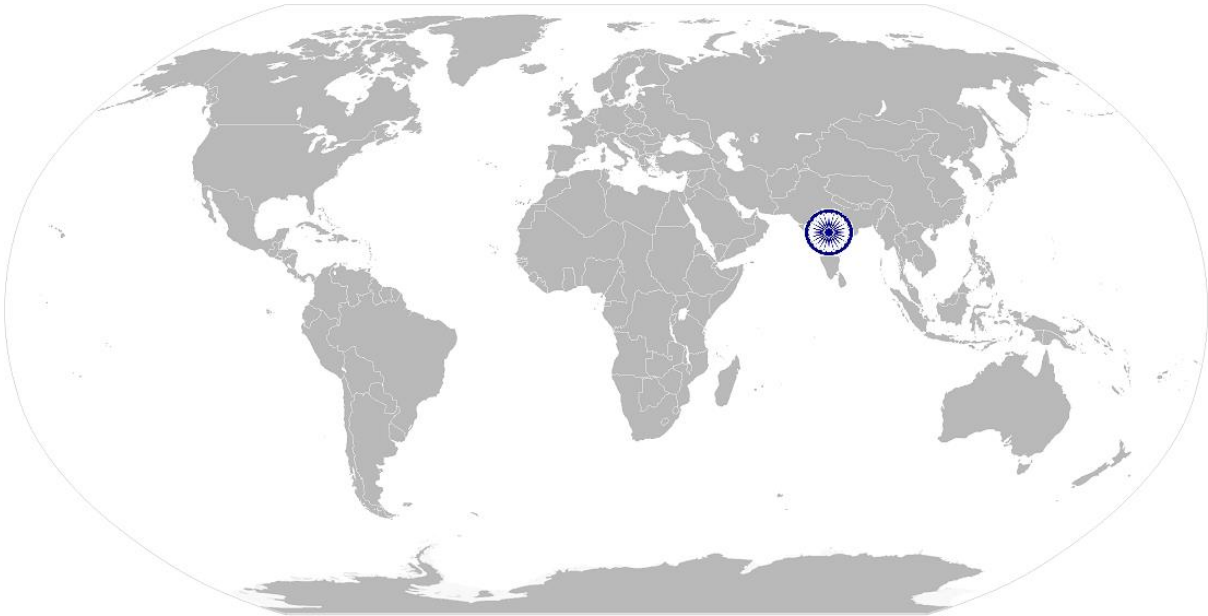
**Operating the Warp Knitting Machine**

**NOS Version Control**

<b>NOS Code</b>	<b>TSC/ N 4111</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>



# National Occupational Standard



## Overview

**This unit is about knotting the yarn and fabric take off**

TSC/ N4112

**Knitting the Yarn & Fabric Take-off**

National Occupational Standard	<b>Unit Code</b>	TSC/ N 4112
	<b>Unit Title (Task)</b>	<b>Knitting the yarn and fabric take off</b>
	<b>Description</b>	This unit is about carrying out knotting, cleaning and maintenance activities in knitting department
	<b>Scope</b>	<p><b>This unit/task covers the following:</b></p> <ul style="list-style-type: none"> <li>▪ attending the machine on yarn breakage</li> <li>▪ knotting the yarn</li> <li>▪ checking the quality of knotting</li> <li>▪ carryout doffing</li> <li>▪ post fabric take off responsibilities</li> </ul>
	<b>Elements</b>	<b>Performance Criteria</b>
	Attending the machine on yarn breakage	<p>To be competent, you must be able to:</p> <p>PC1. identify whether the machine stoppage by viewing the signal lamps and in display panel</p> <p>PC2. identify the reasons for yarn breakage</p> <p>PC3. ensure minimum time is taken for attending the yarn breakage in carding department</p>
	Knitting the yarn	<p>PC4. unwind the yarn from beam</p> <p>PC5. ensure proper knotting</p> <p>PC6. draw the yarn through the guide, guide rollers and pass it through the stop motion ,guide in delivery zone</p> <p>PC7. ensure proper functioning of knitting machine post knotting</p> <p>PC8. collect the wastes collected during knotting and store the waste at respective waste box</p> <p>PC9. segregate the reusable wastes and weigh and record them in a register</p> <p>PC10. ensure standard knotting procedure is adopted and quality of knotting is as per standards</p> <p>PC11. ensure minimum time is taken for knotting the yarn.</p> <p>PC12. ensure safety while carrying out knotting activity</p>
	Checking the quality of knotting	<p>PC13. verify the quality of knotting done in the yarn</p> <p>PC14. ensure yarn tension in the creeling section is appropriate</p> <p>PC15. ensure proper functioning of the machine</p>
Carrying out doffing	<p>PC16. collect the empty cones from creel and replace with full cone.</p> <p>PC17. ensure whether the fabric roll is ready for fabric take off by viewing the details in display panel or by manual</p> <p>PC18. keep the empty fabric roller ready for replacement</p> <p>PC19. keep the empty fabric roll near the knitting machine in manual take-off</p> <p>PC20. doff the full fabric roll in case of manual take-off.</p> <p>PC21. ensure proper fabric take off procedure is followed</p> <p>PC22. ensure fabric take off is carried out properly.</p> <p>PC23. move the fabric roll to storage area</p>	

**TSC/ N4112**

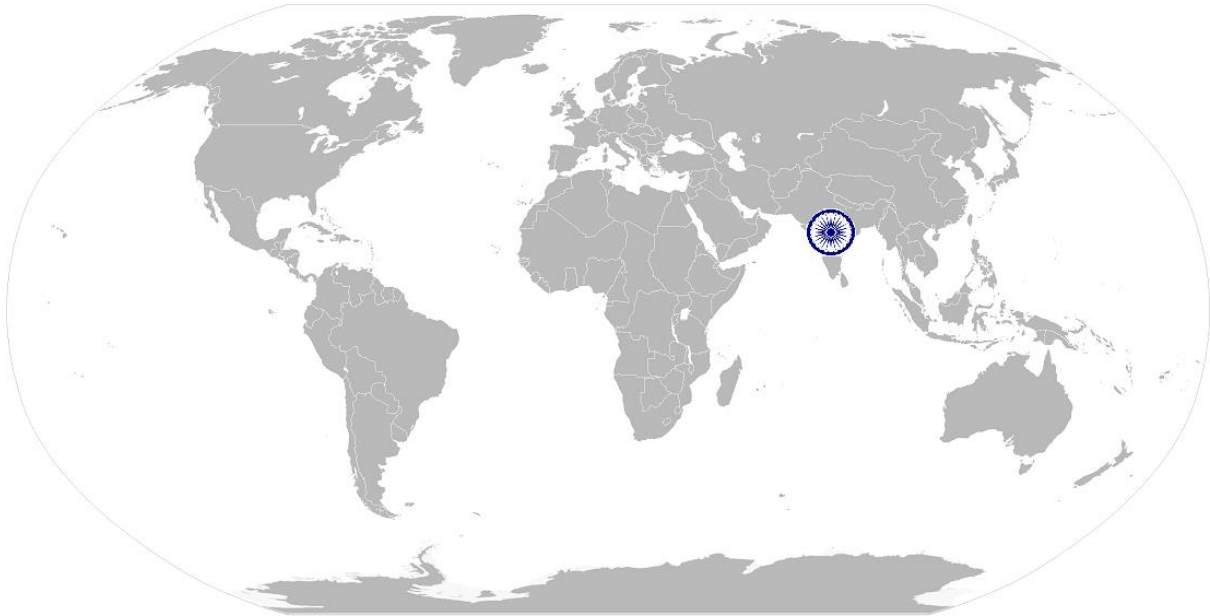
**Knotting the Yarn & Fabric Take-off**

	PC24. ensure the knitting machine is properly restarted after doffing
Post fabric take off responsibilities	PC25. ensure proper functioning of knitting machine post fabric take off PC26. ensure proper material handling of yarn, beam and fabric PC27. ensure proper material handling of tools and equipments
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	You need to know and understand: KA1. standard operating procedures (SOP) and regulations in a spinning mill KA2. safe working practices to be adopted in spinning mill KA3. quality systems and other processes practiced in the spinning mill KA4. reporting to the supervisor or higher authority in case of emergency KA5. color coding adopted for different counts in the spinning mill
<b>B. Technical Knowledge</b>	You need to know and understand: KB1. process flow and material flow in knitting industry KB2. functions of knitting machine KB3. functions of control switches and signal lamps in knitting machine KB4. importance of knotting KB5. importance of fabric take-off KB6. importance of fabric quality KB7. guidelines for knotting the yarn KB8. guidelines for carrying out fabric take off activity KB9. functions of different control switches in knitting machine KA1. knowledge of different functions in display panel and procedure to operate the knitting machine KB10. functions of different signal lamps in knitting machine. KB11. importance of cleanliness and safety at work place
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	You need to know and understand how to: SA1. write clear and short sentences
	<b>Reading Skills</b>
	You need to know and understand how to: SA2. comprehend written instructions
<b>B. Professional Skills</b>	<b>Oral Communication (Listening and Speaking skills)</b>
	You need to know and understand how to: SA3. communicate with supervisor appropriately SA4. talk to others to convey information effectively
	<b>Problem Solving</b>
	You need to know and understand how to: SB1. apply problem-solving approaches in different situations SB2. refer anomalies to the supervisor SB3. seek clarification on problems from others
<b>B. Professional Skills</b>	<b>Attention to Detail</b>
	You need to know and understand how to: SB4. apply good attention to detail

**TSC/ N4112**

**Knotting the Yarn & Fabric Take-off**

	SB5. check your work is complete and free from errors
<b>C. Technical Skills</b>	<p>You need to know and understand :</p> <p>SC1. procedure for collect the yarn from creel zone and condense through the guides, positive feeders for fabric formation.</p> <p>SC2. standard operating procedure for carrying out knotting activity</p> <p>SC3. standard operating procedure for carrying out fabric take off activity</p> <p>SC4. procedure for segregating the different types of wastes</p> <p>SC5. procedure for storing reusable wastes and weighing them</p> <p>SC6. procedure for material handling of cone, fabric roll .</p> <p>SC7. maintain cleanliness at work</p>

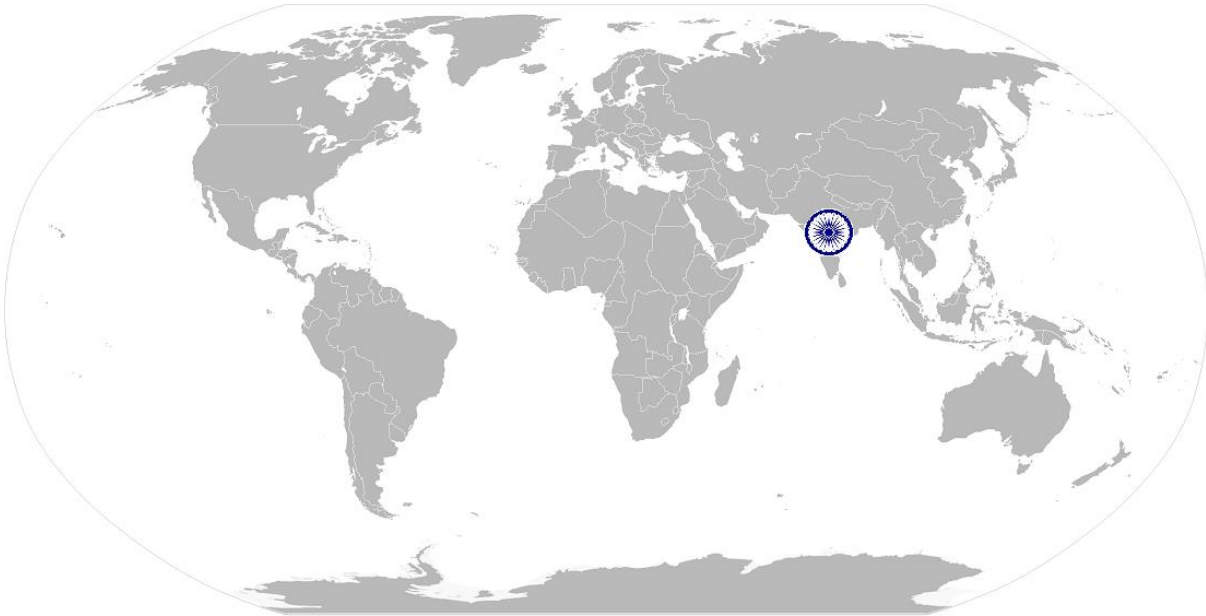


**TSC/ N4112**

**Knotting the Yarn & Fabric Take-off**

**NOS Version Control**

<b>NOS Code</b>	<b>TSC/ N 4112</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>

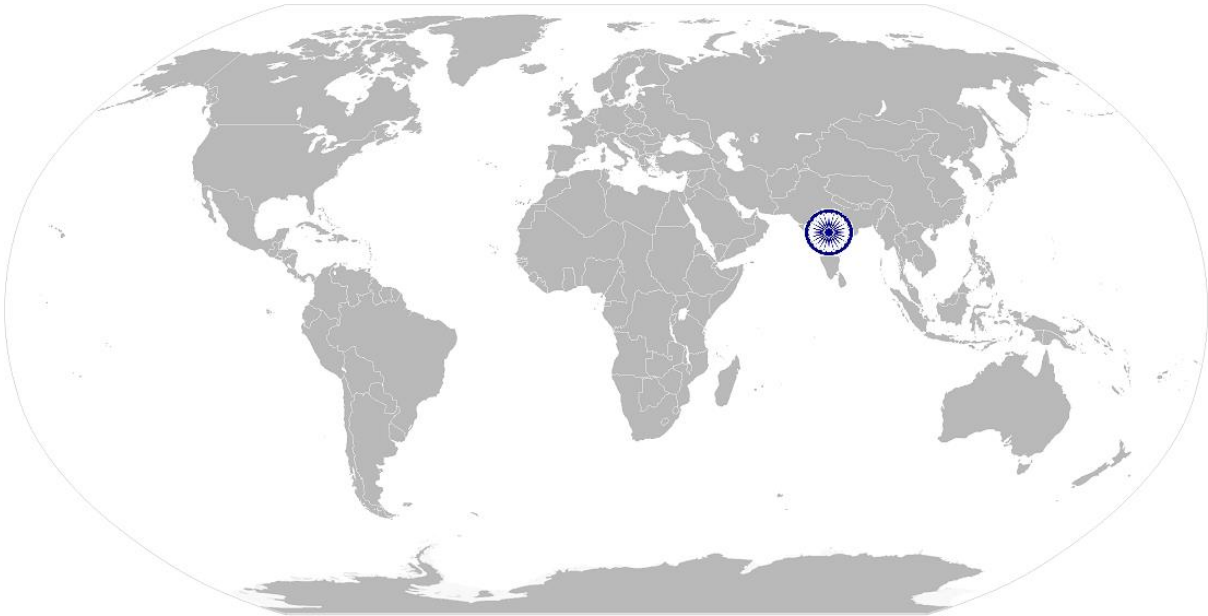




TSC/ N4113

Repair yarn related faults at the knitting head and fabric press off

# National Occupational Standard



## Overview

This unit is about repairing the yarn related faults at the knitting head and fabric press off

TSC/ N4113

Repair yarn related faults at the knitting head and fabric press off

National Occupational Standard	<b>Unit Code</b>	TSC/ N4113
	<b>Unit Title (Task)</b>	Repair yarn related faults at the knitting head and fabric press off
	<b>Description</b>	This unit is about carrying out the Repair yarn-related faults at the knitting head and fabric press-offs
	<b>Scope</b>	<b>This unit/task covers the following:</b> <ul style="list-style-type: none"> <li>▪ attending the yarn-related faults</li> <li>▪ repair fabric press-offs</li> </ul>
	<b>Elements</b>	<b>Performance Criteria</b>
	Attending the yarn-related faults	To be competent, you must be able to: <ul style="list-style-type: none"> <li>PC1. rethread incorrectly-positioned yarns in accordance with workplace procedures</li> <li>PC2. identify the reasons for yarn breakage</li> <li>PC3. join broken yarns or new ends in accordance with workplace procedures.</li> <li>PC4. ensure machines are reset for restart in accordance with workplace procedures Range after fault correction, style changes, and pattern changes.</li> </ul>
	Repair fabric press-offs	<ul style="list-style-type: none"> <li>PC5. ensure fabric press-offs are fixed in accordance with machine-type and workplace procedures.</li> <li>PC6. machines are reset for restart in accordance with workplace procedures range after fault correction, style changes, pattern changes</li> </ul>
	<b>Knowledge and Understanding (K)</b>	
	<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	You need to know and understand: <ul style="list-style-type: none"> <li>KA1. standard operating procedures (SOP) and regulations in a spinning mill</li> <li>KA2. safe working practices to be adopted in spinning mill</li> <li>KA3. quality systems and other processes practiced in the spinning mill</li> <li>KA4. reporting to the supervisor or higher authority in case of emergency</li> <li>KA5. color coding adopted for different counts in the spinning mill</li> </ul>
	<b>B. Technical Knowledge</b>	You need to know and understand: <ul style="list-style-type: none"> <li>KB1. process flow and material flow in knitting industry</li> <li>KB2. functions of knitting machine</li> <li>KB3. functions of control switches and signal lamps in knitting machine</li> <li>KB4. importance of knotting</li> <li>KB5. importance of doffing</li> <li>KB6. importance of fabric quality</li> <li>KB7. guidelines for knotting the yarn</li> <li>KB8. guidelines for carrying out fabric take off activity</li> <li>KB9. functions of different control switches in knitting machine</li> <li>KA2. knowledge of different functions in display panel and procedure to operate the knitting machine</li> <li>KB10. functions of different signal lamps in knitting machine.</li> <li>KB11. importance of cleanliness and safety at work place</li> </ul>
<b>Skills (S)</b>		
<b>A. Core Skills/</b>	<b>Writing Skills</b>	

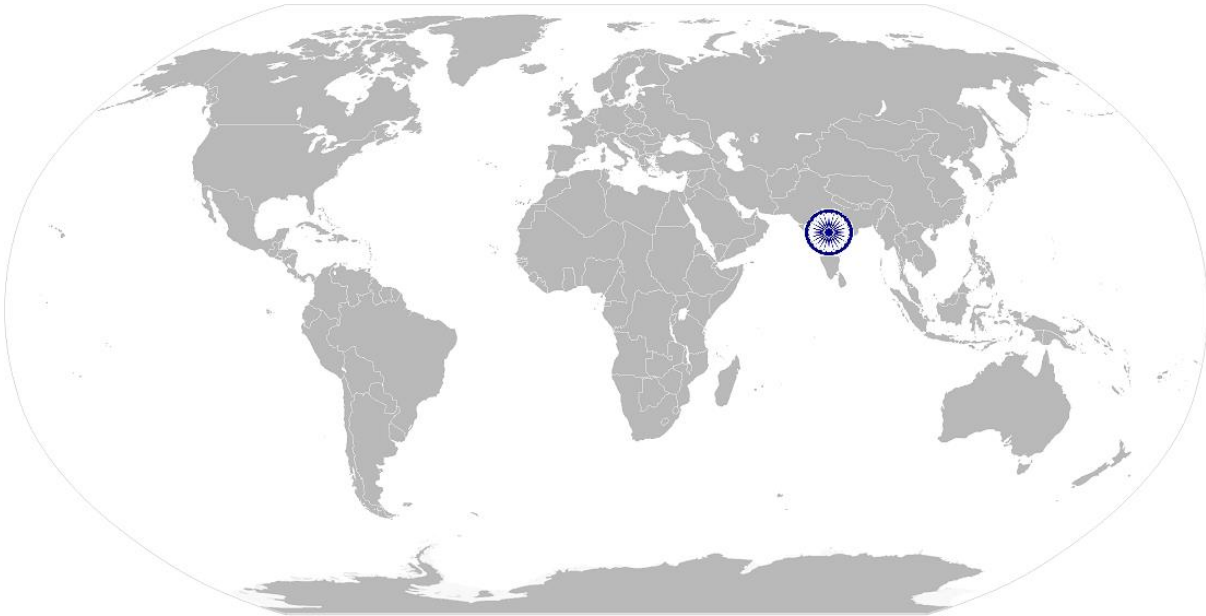
**TSC/ N4113 Repair yarn related faults at the knitting head and fabric press off**

<b>Generic Skills</b>	You need to know and understand how to: SA1. write clear and short sentences
	<b>Reading Skills</b>
	You need to know and understand how to: SA2. comprehend written instructions
	<b>Oral Communication (Listening and Speaking skills)</b>
<b>B. Professional Skills</b>	You need to know and understand how to: SA3. communicate with supervisor appropriately SA4. talk to others to convey information effectively
	<b>Problem Solving</b>
	You need to know and understand how to: SB1. apply problem-solving approaches in different situations SB2. refer anomalies to the supervisor SB3. seek clarification on problems from others
	<b>Attention to Detail</b>
<b>C. Technical Skills</b>	You need to know and understand how to: SB4. apply good attention to detail SB5. check your work is complete and free from errors
	You need to know and understand : SC1. procedure for collect the yarn from reel zone and condense through the guides, positive feeders for fabric formation. SC2. standard operating procedure for carrying out knotting activity SC3. standard operating procedure for carrying out fabric take off activity SC4. procedure for segregating the different types of wastes SC5. procedure for storing reusable wastes and weighing them SC6. procedure for material handling of cone, fabric roll SC7. maintain cleanliness at work

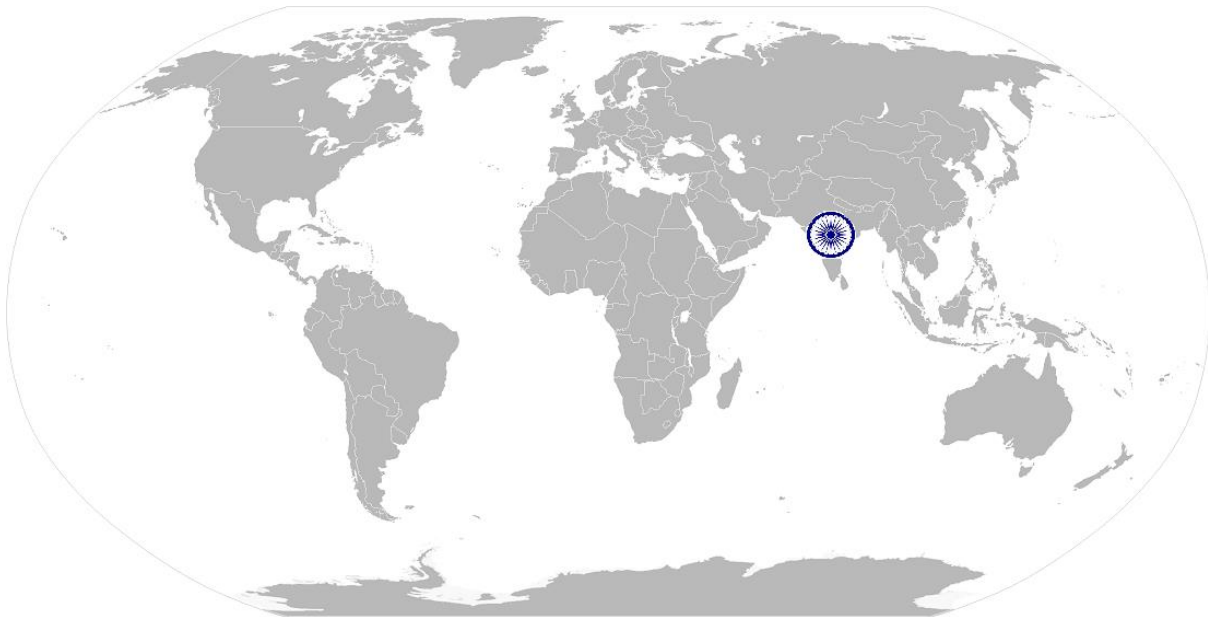
**TSC/ N4113      Repair yarn related faults at the knitting head and fabric press off**

**NOS Version Control**

<b>NOS Code</b>	<b>TSC/ N 4113</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>



# National Occupational Standard



## Overview

This unit is about maintaining work areas and activities to ensure tools and machines are maintained as per norms.

**TSC/ N9001**

**Maintaining work area, tools and machine**

<b>Unit Code</b>	<b>TSC/ N9001</b>
<b>Unit Title (Task)</b>	<b>Maintaining work area, tools and machines</b>
<b>Description</b>	This unit provides performance criteria, knowledge & understanding and skills & abilities required to organise/ maintain work areas and activities to ensure tools and machines are maintained as per norms
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>▪ maintain the work area, tools and machines</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Elements</b>	<b>Performance Criteria</b>
Maintain the work area, tools and machines	<p>To be competent, you must be able to:</p> <p>PC1. handle materials, machinery, equipment and tools with care and use them in the correct way</p> <p>PC2. use correct lifting and handling procedures</p> <p>PC3. use materials to minimize waste</p> <p>PC4. maintain a clean and hazard free working area</p> <p>PC5. maintain tools and equipment</p> <p>PC6. carry out running maintenance within agreed schedules</p> <p>PC7. carry out maintenance and/or cleaning within one's responsibility</p> <p>PC8. report unsafe equipment and other dangerous occurrences</p> <p>PC9. ensure that the correct machine guards are in place</p> <p>PC10. work in a comfortable position with the correct posture</p> <p>PC11. use cleaning equipment and methods appropriate for the work to be carried out</p> <p>PC12. dispose of waste safely in the designated location</p> <p>PC13. store cleaning equipment safely after use</p> <p>PC14. carry out cleaning according to schedules and limits of responsibility</p>
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. personal hygiene and duty of care</p> <p>KA2. safe working practices and organizational standard operating procedures</p> <p>KA3. limits of your own responsibility</p> <p>KA4. ways of resolving with problems within the work area</p> <p>KA5. the production process and the specific work activities that relate to the whole process</p> <p>KA6. the importance of effective communication with supervisors</p> <p>KA7. the lines of communication, authority and reporting procedures</p> <p>KA8. the organisation's rules, codes and guidelines (including timekeeping)</p> <p>KA9. the company's quality standards</p> <p>KA10. the importance of complying with written instructions</p> <p>KA11. equipment operating procedures / supervisor's instructions</p>
<b>B. Technical Knowledge</b>	<p>You need to know and understand:</p> <p>KB1. work instructions and specifications and interpret them accurately</p> <p>KB2. relation between work role and the overall manufacturing process</p> <p>KB3. hazards likely to be encountered when conducting routine maintenance</p>

**TSC/ N9001**

**Maintaining work area, tools and machine**

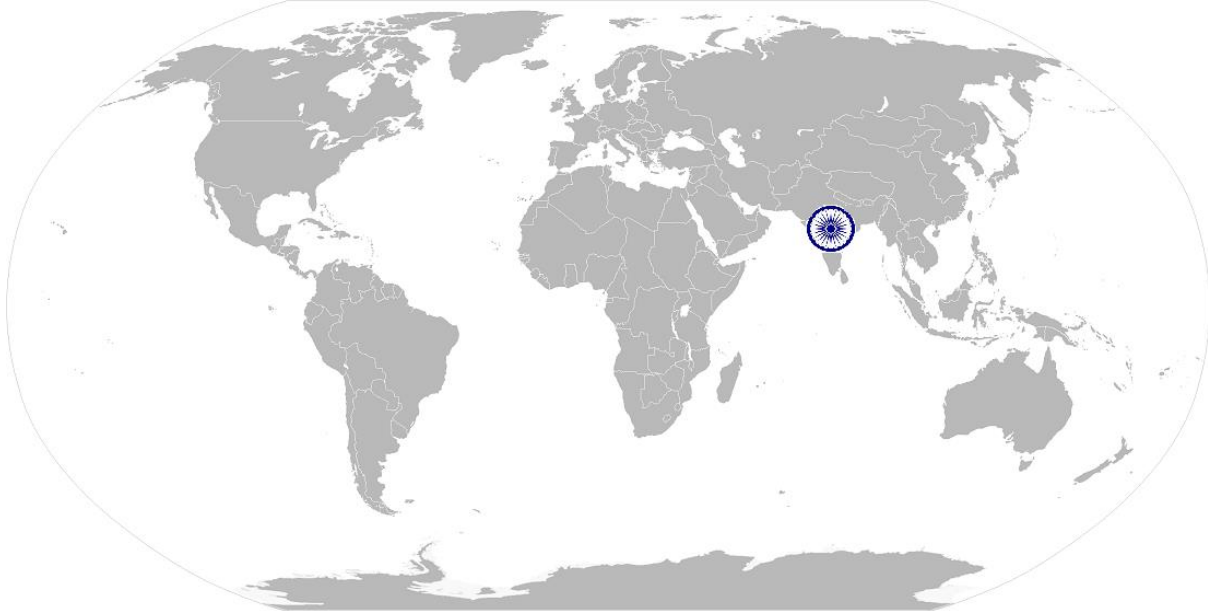
	<p>KB4. the importance of taking action when problems are identified          KB5. different ways of minimising waste          KB6. the importance of running maintenance and regular cleaning          KB7. effects of contamination on products i.e. machine oil, dirt, foreign materials          KB8. common faults with equipment and the method to rectify          KB9. maintenance procedures          KB10. different types of cleaning equipment and substances and their use          KB11. safe working practices for cleaning and the method of carrying them out</p>
<b>Skills (S)</b>	
<p><b>A. Core Skills/          Generic Skills</b></p>	<p><b>Writing Skills</b></p>
	<p>You need to know and understand how to:  <b>SA1.</b> Write clear and short sentences</p>
	<p><b>Reading Skills</b></p>
	<p>You need to know and understand how to:  <b>SA2.</b> comprehend written instructions  <b>SA3.</b> read any application sent by other colleagues</p>
	<p><b>Oral Communication (Listening and Speaking skills)</b></p>
	<p>You need to know and understand how to:  <b>SA4.</b> Communicate effectively in local language  <b>SA5.</b> communicate with supervisor appropriately  <b>SA6.</b> talk to others to convey information effectively</p>
<p><b>B. Professional Skills</b></p>	<p><b>Problem Solving</b></p>
	<p>You need to know and understand how to:  <b>SB1.</b> identify the real reason of problem faced  <b>SB2.</b> apply problem-solving approaches in different situations  <b>SB3.</b> refer anomalies to the supervisor  <b>SB4.</b> seek clarification on problems from others</p>
	<p><b>Attention to Detail</b></p>
	<p>You need to know and understand how to:  <b>SB5.</b> apply good attention to detail  <b>SB6.</b> check your work is complete and free from errors  <b>SB7.</b> make sure every kind of communication is error free</p>
<p><b>C. Technical Skills</b></p>	<p>You need to know and understand :  <b>SC1.</b> communicate effectively  <b>SC2.</b> apply leadership skills wherever required  <b>SC3.</b> take initiative at the right place  <b>SC4.</b> understand the requirement to be creative</p>

**TSC/ N9001**

**Maintaining work area, tools and machine**

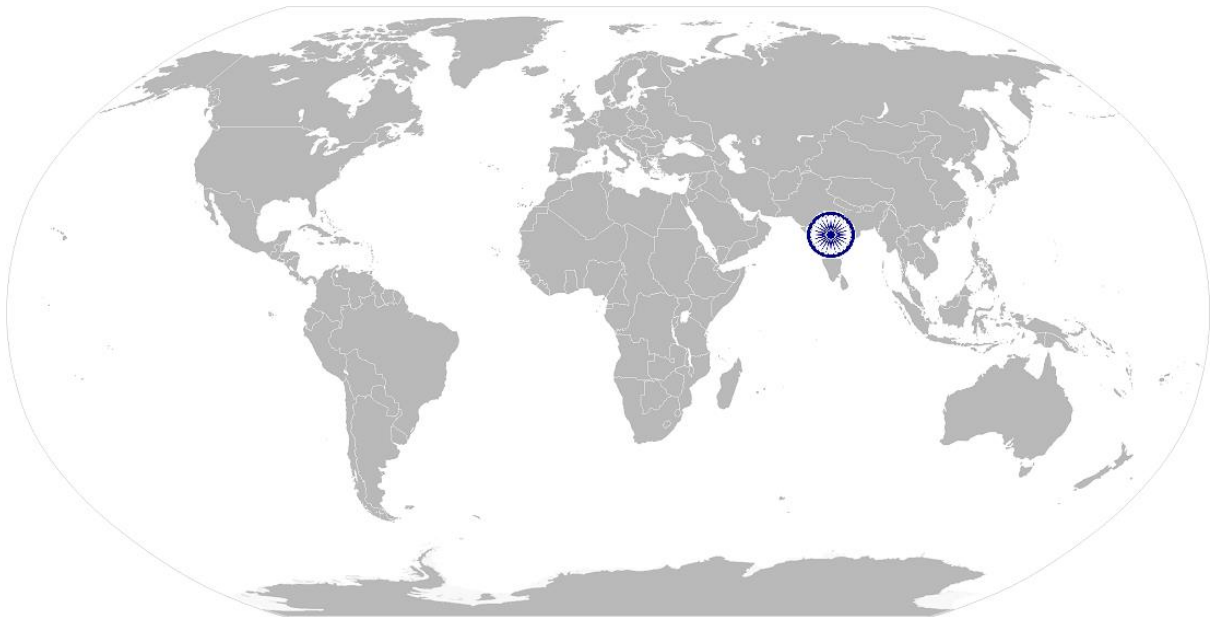
NOS Version Control

<b>NOS Code</b>	<b>TSC/ N9001</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>





# National Occupational Standard



## Overview

This unit is about working as part of a team in the textile industry.

TSC/ N9002

Working in a team

<b>Unit Code</b>	TSC/ N9002
<b>Unit Title (Task)</b>	Working in a team
<b>Description</b>	This unit is about working as a team member in the textile industry
<b>Scope</b>	This unit/task covers the following: <ul style="list-style-type: none"> <li>▪ commitment and trust</li> <li>▪ communication</li> <li>▪ adaptability</li> <li>▪ creative freedom</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Elements</b>	<b>Performance Criteria</b>
Commitment and trust	To be competent, you must be able to: PC1. be accountable to the own role in whole process PC2. perform all roles with full responsibility PC3. be effective and efficient at workplace
Communication	PC4. properly communicate about company policies PC5. report all problems faced during the process PC6. talk politely with other team members and colleagues PC7. submit daily report of own performance
Adaptability	PC8. adjust in different work situations PC9. give due importance to others' point of view PC10. avoid conflicting situations
Creative freedom	PC11. develop new ideas for work procedures PC12. improve upon the existing techniques to increase process efficiency
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b>	You need to know and understand: KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. procedure followed to get the final output in the mill KA3. safe working practices to be adopted in textile mill KA4. reporting to the supervisor or higher authority about any grievances faced
<b>B. Technical Knowledge</b>	KB1. the importance of the previous and next step of the process KB2. process flow in a textile mill and the concerned workers KB3. material flow in a textile mill and the required person KB4. functions of different parts of the machine KB5. tools and equipments used KB6. guidelines for operating the machine KB7. safety procedures to be followed in the machine
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	You need to know and understand how to: SA1. write clear and short sentences SA2. write daily work report SA3. write grievance complaint application
	<b>Reading Skills</b>

**TSC/ N9002**

**Working in a team**

	SA4. comprehend written instructions SA5. read any application sent by other colleagues
	<b>Oral Communication (Listening and Speaking skills)</b>
	SA6. communicate with supervisor appropriately SA7. talk to co-workers to convey information effectively
<b>B. Professional Skills</b>	<b>Problem Solving</b>
	You need to know and understand how to: SB1. identify the real reason of problem faced SB2. be able to find the most effective solution to the problems faced
	<b>Attention to Detail</b>
	SB3. apply good attention to detail SB4. ensure every kind of communication is error free
<b>C. Technical Skills</b>	You need to know and understand how to: SC1. communicate effectively SC2. apply leadership skills wherever required SC3. take initiative at the right place SC4. understand the requirement to be creative

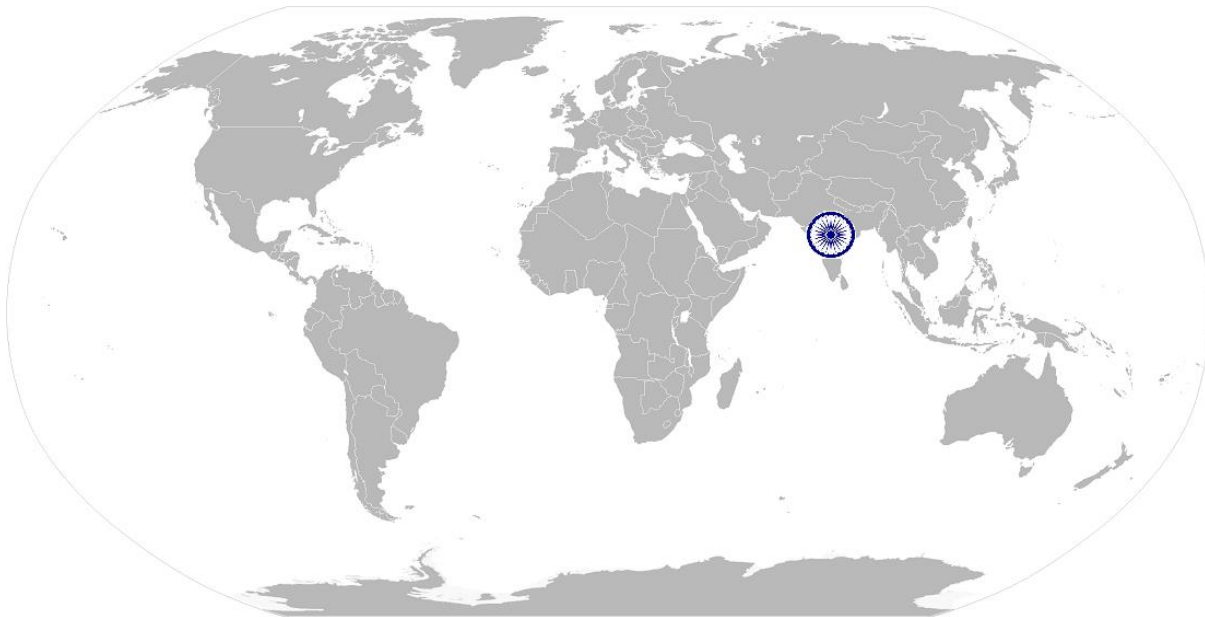


**TSC/ N9002**

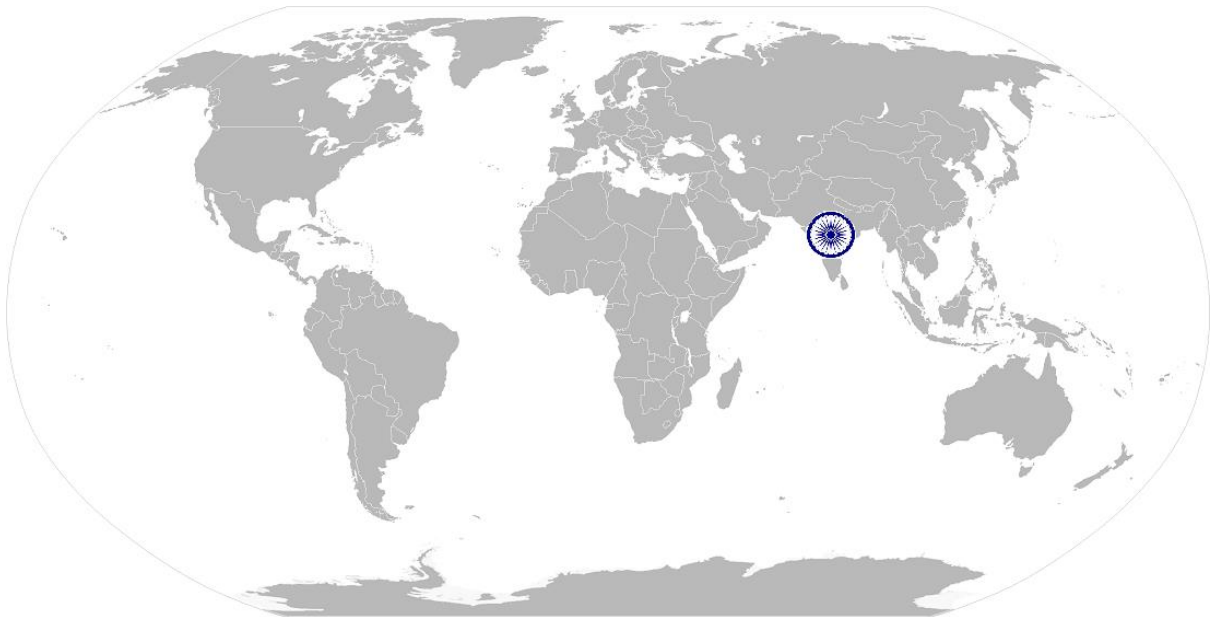
**Working in a team**

**NOS Version Control**

<b>NOS Code</b>	<b>TSC/ N9002</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>



# National Occupational Standard



## Overview

This unit is about maintaining health, safety, and security standards at workplace.

**TSC/ N9003**

**Maintain health, safety and security at work place**

<b>Unit Code</b>	<b>TSC/ N9003</b>
<b>Unit Title (Task)</b>	<b>Maintain health, safety and security at work place</b>
<b>Description</b>	This unit provides performance criteria, knowledge & understanding and skills & abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others.
<b>Scope</b>	<p>This unit/task covers the following:</p> <ul style="list-style-type: none"> <li>▪ Comply with health, Safety and security requirements at work</li> <li>▪ Recognizing the hazards</li> <li>▪ planning safety techniques</li> <li>▪ implementing the programs</li> </ul>
<b>Performance Criteria (PC) w.r.t. the Scope</b>	
<b>Elements</b>	<b>Performance Criteria</b>
Comply with health, Safety and security requirements at work	<p>To be competent, operator must be able to:</p> <p>PC1. comply with health and safety related instructions applicable to the workplace</p> <p>PC2. use and maintain personal protective equipment such as “ear plug”, “ nose mask “, “ head cap” etc., as per protocol</p> <p>PC3. carry out own activities in line with approved guidelines and procedures</p> <p>PC4. maintain a healthy lifestyle and guard against dependency on intoxicants</p> <p>PC5. follow environment management system related procedures</p> <p>PC6. identify and correct (if possible) malfunctions in machinery and equipment</p> <p>PC7. report any service malfunctions that cannot be rectified</p> <p>PC8. store materials and equipment in line with organisational requirements</p> <p>PC9. safely handle and remove waste</p> <p>PC10. minimize health and safety risks to self and others due to own actions</p> <p>PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks</p> <p>PC12. monitor the workplace and work processes for potential risks and threat</p> <p>PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned</p> <p>PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel</p> <p>PC15. participate in mock drills/ evacuation procedures organized at the workplace</p> <p>PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so</p> <p>PC17. take action based on instructions in the event of fire, emergencies or accidents</p> <p>PC18. follow organisation procedures for shutdown and evacuation when required</p>
Recognizing the hazards	<p>To be competent, you must be able to:</p> <p>PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry</p> <p>PC20. recognise other possible security issues existing in the workplace</p>
Planning the safety	PC21. recognise different measures to curb the hazards

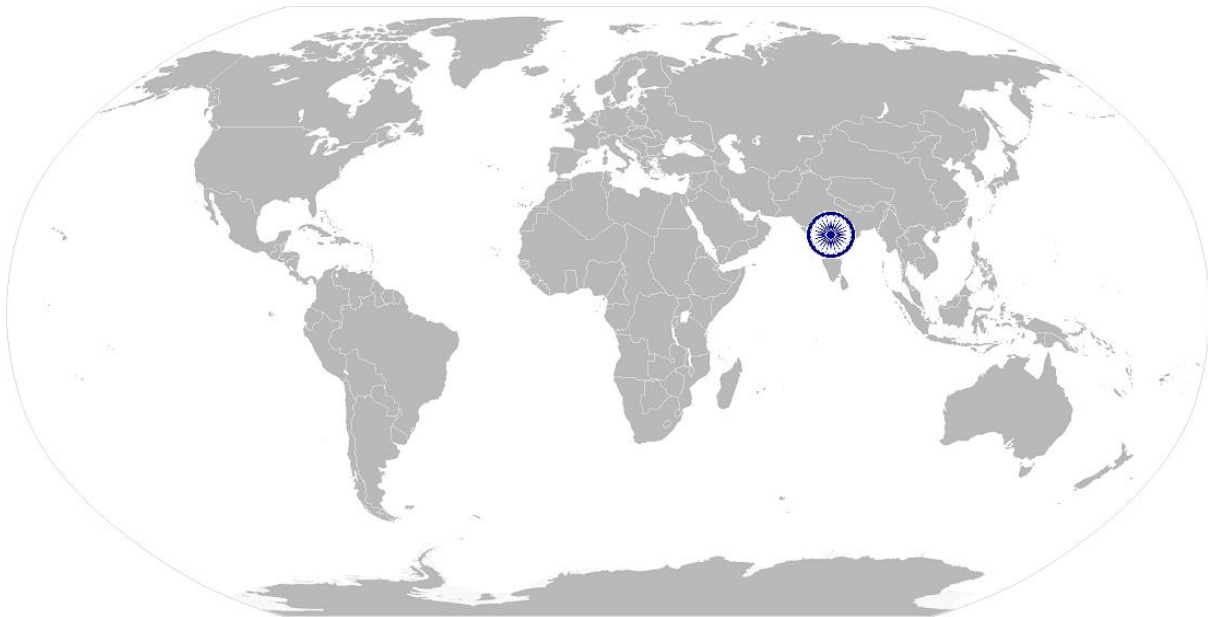
**TSC/ N9003 Maintain health, safety and security at work place**

techniques	
Implementing the programs	PC22. communicate the safety plan to everyone PC23. attach disciplinary rules with the implementation
<b>Knowledge and Understanding (K)</b>	
<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	You need to know and understand: KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. safe working practices to be adopted in textile mill KA3. quality systems and other processes practiced in the textile mill KA4. health and safety related practices applicable at the workplace KA5. potential hazards, risks and threats based on nature of operations KA6. organizational procedures for safe handling of equipment and machine operations KA7. potential risks due to own actions and methods to minimize these KA8. environmental management system related procedures at the workplace KA9. layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points KA10. potential accidents and emergencies and response to these scenarios KA11. reporting protocol and documentation required KA12. details of personnel trained in first aid, fire-fighting and emergency response KA13. actions to take in the event of a mock drills/ evacuation procedures or actual accident, emergency or fire
<b>B. Technical Knowledge</b>	You need to know and understand: KB1. occupational health and safety risks and methods KB2. personal protective equipment and method of use KB3. identification, handling and storage of hazardous substances KB4. proper disposal system for waste and by-products KB5. signage related to health and safety and their meaning KB6. importance of sound health, hygiene and good habits KB7. ill-effects of alcohol, tobacco and drugs
<b>Skills (S)</b>	
<b>A. Core Skills/ Generic Skills</b>	<b>Writing Skills</b>
	You need to know and understand how to: SA1. write clear and short sentences
	<b>Reading Skills</b>
	SA2. read and understand the company instructions SA3. read and understand work instructions SA4. read and understand the safety guidelines
	<b>Oral Communication (Listening and Speaking skills)</b>
	SA1. listen to others attentively SA2. respond to emergencies, accidents or fire at the workplace SA3. evacuate the premises and help others in need while doing so SA4. the value of physical fitness, personal hygiene and good habits SA5. talk with others politely
<b>B. Professional Skills</b>	<b>Decision Making</b>
	SB1. identify correct safety measure for particular hazard

**TSC/ N9003**

**Maintain health, safety and security at work place**

	SB2. make required safety plans as and when required
	SB3. raise alarm in case of emergency
	<b>Analytical Thinking</b>
	SB4. know the use of correct safety measure whenever required
	<b>Attention to Detail</b>
	SB5. be attentive to details SB6. be careful to avoid occurrence of hazards
<b>C. Technical Skills</b>	You need to know and understand : SC1. maintainance of neatness at work SC2. procedure for reporting unwanted behavior



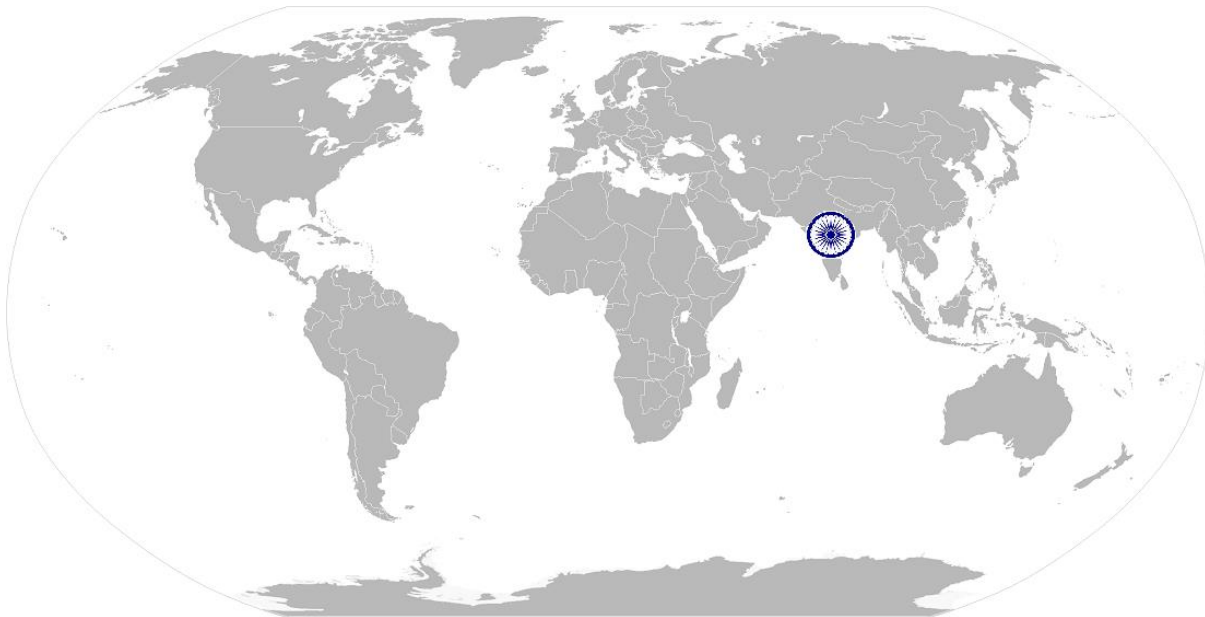


**TSC/ N9003**

**Maintain health, safety and security at work place**

NOS Version Control

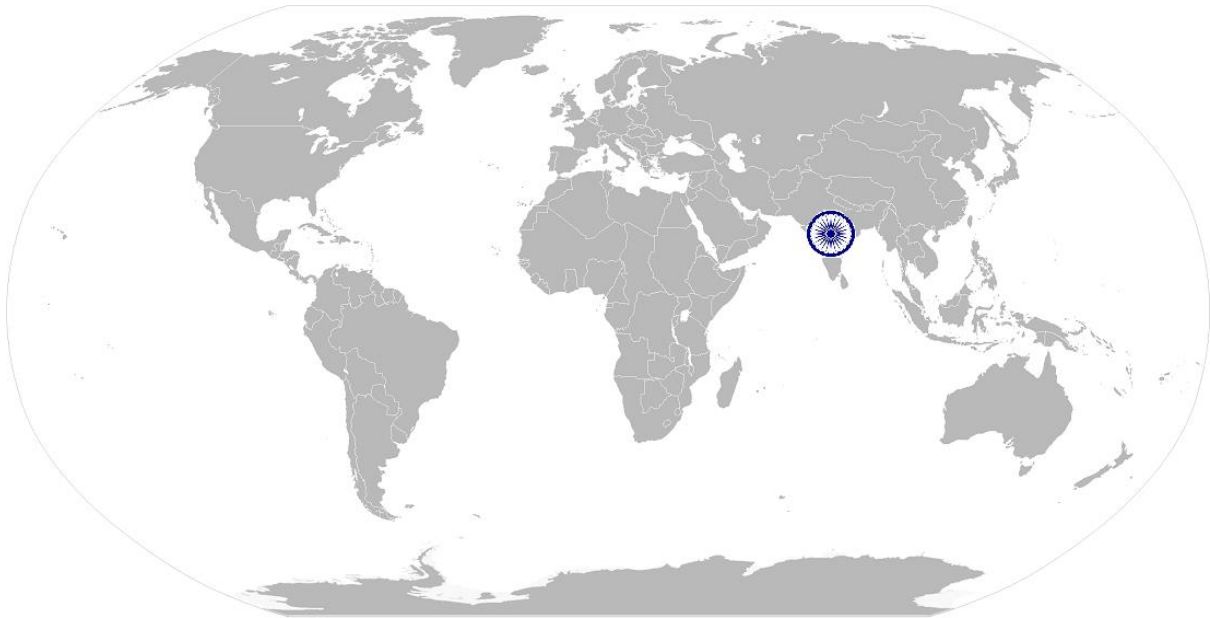
<b>NOS Code</b>	<b>TSC/ N9003</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>



**TSC/ N9004**

**Comply with industry and organizational requirements**

# National Occupational Standard



## Overview

This unit is about knowing, understanding, and complying with the requirements of the organization and the textile industry.

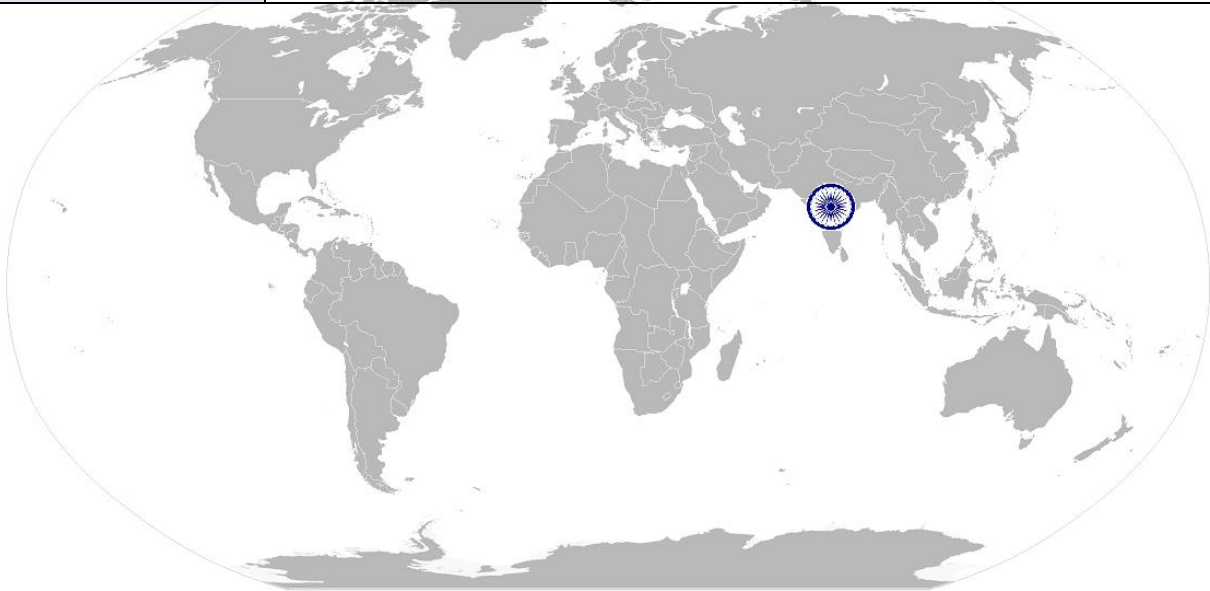
**TSC/ N9004**

**Comply with industry and organizational requirements**

National Occupational Standard	<b>Unit Code</b>	TSC/ N9004
	<b>Unit Title (Task)</b>	Comply with industry and organizational requirements
	<b>Description</b>	This unit is about knowing, understanding, and complying with the requirements of the organization and the textile industry
	<b>Scope</b>	<p><b>This unit/task covers the following:</b></p> <ul style="list-style-type: none"> <li>▪ self development</li> <li>▪ team work</li> <li>▪ organizational standards</li> <li>▪ industry standards</li> </ul>
	<b>Performance Criteria (PC) w.r.t. the Scope</b>	
	<b>Elements</b>	<b>PerformanceCriteria</b>
	Self- development	<p>To be competent, you must be able to:</p> <p>PC1. perform own duties effectively</p> <p>PC2. take responsibility for own actions</p> <p>PC3. be accountable towards the job role and assigned duties</p> <p>PC4. take initiative and innovate the existing methods</p> <p>PC5. focus on self-learning and improvement</p>
	Team work	<p>PC6. co-ordinate with all the team members and colleagues</p> <p>PC7. communicate politely</p> <p>PC8. avoid conflicts and miscommunication</p>
	Organisational standards	<p>PC9. know the organisational standards</p> <p>PC10. implement them in your performance</p> <p>PC11. motivate others to follow them</p>
	Industry standards	<p>PC12. know the industry standards</p> <p>PC13. align them with organisation standards</p>
<b>Knowledge and Understanding (K)</b>		
<b>A. Organizational Context</b> (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. standard operating procedures (SOP)and regulations in a textile mill</p> <p>KA2. reporting to the supervisor or higher authority</p> <p>KA3. knowledge of organisational standards</p> <p>KA4. knowledge of industry standards</p>	
<b>B. Technical Knowledge</b>	<p>You need to know and understand:</p> <p>KB1. process and material flow in a textile mill</p> <p>KB2. importance of complying with the standards</p> <p>KB3. guidelines for cleaning the various parts of machine</p>	
<b>Skills (S)</b>		
<b>A. Core Skills/</b>	<b>Writing Skills</b>	
	You need to know and understand how to:	

**TSC/ N9004 Comply with industry and organizational requirements**

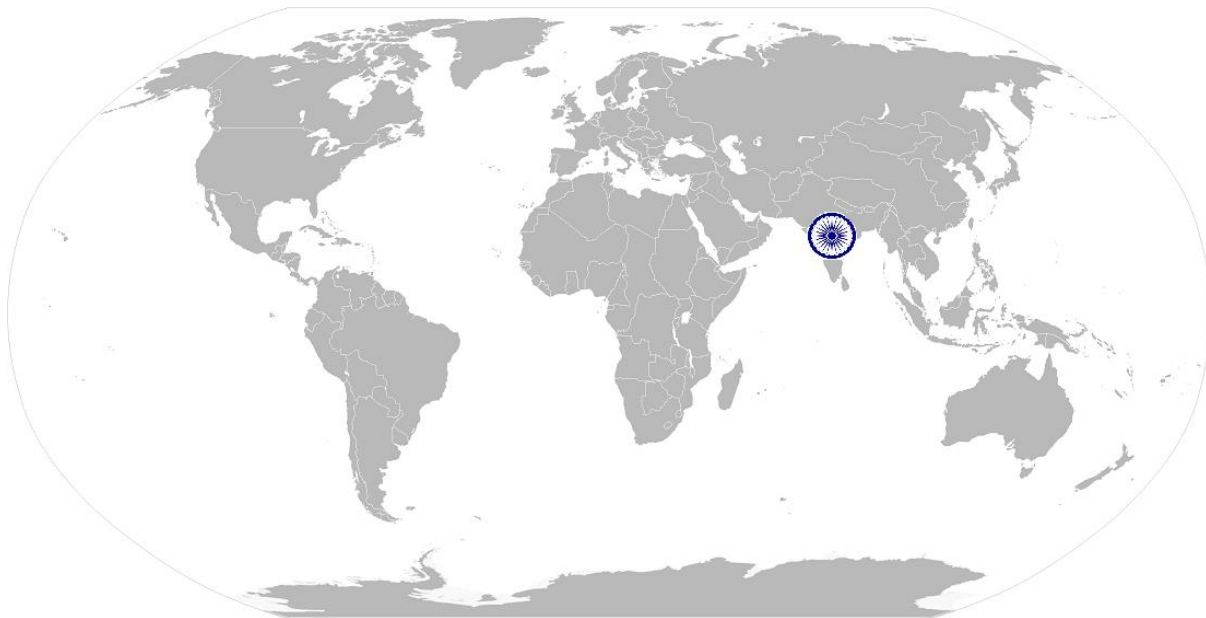
<b>Generic Skills</b>	SA1. write clear and short sentences
	<b>Reading Skills</b>
	You need to know and understand how to: SA2. read the given instructions SA3. comprehend written instructions
	<b>Oral Communication (Listening and Speaking skills)</b>
	SA4. talk effectively with others SA5. put forward your point SA6. listen to others
<b>B. Technical skills</b>	you need to know and understand : SC1. Organizational requirements SC2. your responsibilities at the workplace SC3. procedure to comply with the industry standards



**TSC/ N9004 Comply with industry and organizational requirements**

**NOS Version Control**

<b>NOS Code</b>	<b>TSC/N 9004</b>		
<b>Credits (NSQF)</b>	<b>TBD</b>	<b>Version number</b>	<b>1.0</b>
<b>Industry</b>	<b>Textile</b>	<b>Drafted on</b>	<b>15/12/14</b>
<b>Industry Sub-sector</b>	<b>Knitting</b>	<b>Last reviewed on</b>	<b>21/01/15</b>
<b>Occupation</b>	<b>Knitting</b>	<b>Next review date</b>	<b>01/03/16</b>



### Assessment Criteria

**Job Role: Knitting Machine Operator - Warp Knitting**  
**Qualification Pack: Knitting Machine Operator - Warp Knitting**  
**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 evaluations for skill practical for every student at each examination/training centre (as per assessment criteria below).
4. To pass the qualification pack, every trainee should score a minimum of 80%.

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. TSC/N4109 (Taking charge of shift and handing over shift to operator )	PC1. reach at least 10 - 15 minutes early to the work place	75	4	1	2	1
	PC2. bring the necessary operational tools to the department		4	1	2	1
	PC3. meet the previous shift operator and collect the information regarding the count, process, issues faced in quality, current beam production followed in the knitting department.		6	2	2	2
	PC4. be updated on information regarding the current order such as it is for which company and other details.		4	1	2	1
	PC5. ensure proper functioning of machine and problems if any should be reported to the supervisor and maintenance in-charge.		4	1	2	1
	PC6. understand and be informed about the current order quantity and balance quantity.		4	1	2	1

### Assessment Criteria

	PC7. be updated on the new order fabric details and quantity.		4	1	2	1
	PC8. clean the machine and department before handing over the shift.		4	1	2	1
	PC9. hand over the necessary operational tools if any.		5	1	2	2
	PC10. meet the next shift operator and give the information regarding the count, GSM, loop length, process, issues faced in quality, and current fabric production followed in the knitting department.		8	2	4	2
	PC11. note the production details for the current shift		8	2	4	2
	PC12. ensure proper functioning of the machine and problems if any, should be reported to the supervisor and maintenance in-charge.		8	2	4	2
	PC13. give details to the next shift operator about the current order quality, quantity and balance quantity.		6	2	2	2
	PC14. convey information regarding new order fabric details and quantity.		6	2	2	2
			75	20	34	21
	<b>Total</b>	<b>Weightage %</b>		<b>27%</b>	<b>45%</b>	<b>28%</b>
<b>2. TSC/N4110 (Repair yarn related faults )</b>	PC1. Identify incorrectly-positioned yarns and are rethread them in accordance with workplace procedures	25	6	2	3	1
	PC2. Identify the reasons for yarn breakage		7	3	3	1
	PC3. Join broken yarns or new ends in accordance with workplace procedures.		6	1	3	2
	PC4. Reset machines for restart in accordance with workplace procedures Range after fault correction, style changes, and		6	2	2	2

### Assessment Criteria

pattern changes						
			25	8	11	6
	<b>Total</b>	<b>Weightage %</b>		<b>32%</b>	<b>44%</b>	<b>24%</b>
<b>3. TSC/N4111 (Operating the warp knitting machine)</b>	<b>PC1. To start the machine</b>	<b>160</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC2. To operate the control switches for starting and stopping the warp knitting machine.</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC3. Following the signal lamps used in machines.</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC4. To ensure proper functioning of the knitting machine by verifying in the display panel.</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC5. The warping machine is operated in accordance with workplace procedures to produce beams of lengths specified in work instructions.</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC6. Beams are produced through reed and traverse-mechanism adjustments during warp build-up, free of yarn collars and/or winding collapses in accordance with workplace procedures.</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC7. Beams of exact levelness throughout are produced by means of critical setting and adjustment of yarn tensions in accordance with workplace procedures.</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC8. Broken ends are reset in accordance with workplace procedures.</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC9. Completed beams are prepared ready for threading into warp-knitting machines in accordance with workplace procedures.</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC10. Completed beams are identified, doffed, and stored in accordance with workplace</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>



### Assessment Criteria

	procedures or as directed by the supervisor.					
	PC11. Yarn paths, eyelets, tension devices, and reeds are clean and free of contamination and build-up of residues from the yarns in accordance with workplace procedures.		3	1	1	1
	PC12. The warping environment is clean and free of contaminants in accordance with workplace procedures.		4	1	2	1
	PC13. To ensure the Machines are monitored for continuous functioning of all systems, and variations notified, in accordance with workplace procedures.		3	1	1	1
	PC14. To ensure the Documentation of production is completed in accordance with workplace procedures.		3	1	1	1
	PC15. To ensure the Machines are lubricated as directed in accordance with workplace procedures.		3	1	1	1
	PC16. To check whether the yarns are properly fed in the knitting machine		4	2	1	1
	PC17. To knot the yarn during breakage		4	1	2	1
	PC18. To view the display panel or signal and identify the reasons for machine stoppages if any		4	1	2	1
	PC19. Ensure the knitting machine is running in the set speed by viewing the display panel		4	1	2	1
	PC20. To ensure the working area is clean		3	1	1	1
	PC21. To ensure proper functioning of machine		3	1	1	1
	PC22. To ensure Incorrectly-positioned yarns are rethreaded		3	1	1	1
	PC23. To ensure the Broken yarns or new ends are joined		4	1	2	1
	PC24. Fabric press-offs are fixed in accordance with machine-type and		3	1	1	1

### Assessment Criteria

	workplace procedures.				
	PC25. Machines are reset for restart in accordance with workplace procedures.	3	1	1	1
	PC26. Range after fault correction, style changes, and pattern changes.	3	1	1	1
	PC27. To support the fitter for carrying out maintenance activities	4	2	1	1
	PC28. Ensure the GSM, loop length variation is within the limits and if it's abnormal report it to Superiors.	4	1	2	1
	PC29. To inform the supervisor and maintenance in- charge incase of a jam	4	1	2	1
	PC30. To support the fitter during minor breakdown	4	1	2	1
	PC31. Ancillary process machines are operated in accordance with machine-builder's instructions and workplace procedures.	4	1	2	1
	PC32. Safety precautions that comply with workplace procedures are observed.	4	1	2	1
	PC33. The working environment is kept clean and free of contamination.	4	1	2	1
	PC34. To ensure proper material handling of yarn, beam and fabric roll	4	1	2	1
	PC35. To ensure using proper material handling of tools and equipments	3	1	1	1
	PC36. To ensure safety while operating the card	3	1	1	1
	PC37. Using of safety gadgets like caps, masks and shoes and verifying the safety stop motions	3	1	1	1
	PC38. To ensure the fabric produced is free from outside damages	4	2	1	1
	PC39. Collected usable waste to be weighed at shift end and to be placed in the specified area	4	1	2	1
	PC40. Inform superiors immediately, if any break down or	4	1	2	1

### Assessment Criteria

	fault in the machine is noticed					
	PC41. Ensure the proper functioning of signal lamps		4	1	2	1
	PC42. Ensure that machine is always working properly, if any deviations inform superiors immediately		3	1	1	1
	PC43. Yarn wastes are identified by fibre content and sorted according to workplace procedures.		3	1	1	1
	PC44. Fabric wastes are identified and sorted according to workplace procedures.		3	1	1	1
	PC45. To provide all relevant information's of the current working process to the next shift operator before relieving.		4	1	2	1
			160	49	66	45
	<b>Total</b>	<b>Weightage %</b>		<b>31%</b>	<b>41%</b>	<b>28%</b>
<b>4. .TSC/N4112 (Knotting the yarn and fabric take off)</b>	PC1. identity whether the machine stoppage by viewing the signal lamps and in display panel	<b>98</b>	4	1	2	1
	PC2. identify the reasons for yarn breakage		4	1	2	1
	PC3. ensure minimum time is taken for attending the yarn breakage in carding department		3	1	1	1
	PC4. unwind the yarn from beam		3	1	1	1
	PC5. ensure proper knotting		4	2	1	1
	PC6. draw the yarn through the guide, guide rollers and pass it through the stop motion ,guide in delivery zone		4	1	2	1
	PC7. ensure proper functioning of knitting machine post knotting		4	1	2	1
	PC8. collect the wastes collected during knotting and store the waste at respective waste box		4	1	2	1
	PC9. segregate the reusable wastes and weigh and record them in a register		3	1	1	1
	PC10. ensure standard knotting		3	1	1	1

### Assessment Criteria

	procedure is adopted and quality of knotting is as per standards					
	PC11. ensure minimum time is taken for knotting the yarn.	3	1	1	1	
	PC12. ensure safety while carrying out knotting activity	4	1	2	1	
	PC13. verify the quality of knotting done in the yarn	3	1	1	1	
	PC14. ensure yarn tension in the creeling section is appropriate	3	1	1	1	
	PC15. ensure proper functioning of the machine	3	1	1	1	
	PC16. collect the empty cones from creel and replace with full cone.	4	2	1	1	
	PC17. ensure whether the fabric roll is ready for fabric take off by viewing the details in display panel or by manual	4	1	2	1	
	PC18. keep the empty fabric roller ready for replacement	4	1	2	1	
	PC19. keep the empty fabric roll near the knitting machine in manual take-off	5	2	2	1	
	PC20. doff the full fabric roll in case of manual take-off.	4	1	2	1	
	PC21. ensure proper fabric take off procedure is followed	4	1	2	1	
	PC22. ensure fabric take off is carried out properly.	4	1	1	2	
	PC23. move the fabric roll to storage area	4	1	2	1	
	PC24. ensure the knitting machine is properly restarted after doffing	3	1	1	1	
	PC25. ensure proper functioning of knitting machine post fabric take off	3	1	1	1	
	PC26. ensure proper material handling of yarn, beam and fabric	3	1	1	1	
	PC27. ensure proper material handling of tools and equipments	4	2	1	1	
		<b>98</b>	<b>31</b>	<b>39</b>	<b>28</b>	

### Assessment Criteria

	Total	Weightage %	32%	40%	29%	
<b>5. TSC/N4113 (Repair yarn related faults at the knitting head and fabric press off)</b>	<b>PC1. Incorrectly-positioned yarns are rethreaded in accordance with workplace procedures</b>	<b>22</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC2. Identify the reasons for yarn breakage</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC3. Broken yarns or new ends are joined in accordance with workplace procedures.</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC4. Machines are reset for restart in accordance with workplace procedures Range after fault correction, style changes, and pattern changes.</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC5. Fabric press-offs are fixed in accordance with machine-type and workplace procedures.</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC6. Machines are reset for restart in accordance with workplace procedures Range after fault correction, style changes, pattern changes</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
			<b>22</b>	<b>7</b>	<b>9</b>	<b>6</b>
	<b>Total</b>	<b>Weightage %</b>		<b>32%</b>	<b>41%</b>	<b>27%</b>
<b>6.TSC/N9001 (Maintaining work area, tools and machines)</b>	<b>PC1. handle materials, machinery, equipment and tools with care and use them in the correct way</b>	<b>50</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC2. use correct lifting and handling procedures</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC3. use materials to minimize waste</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC4. maintain a clean and hazard free working area</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC5. maintain tools and equipment</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC6. carry out running maintenance within agreed schedules</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC7. carry out maintenance and/or cleaning within one's responsibility</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC8. report unsafe equipment and</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>

### Assessment Criteria

	other dangerous occurrences					
	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	1	2	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	1	2	1
			50	15	21	14
	<b>Total</b>	<b>Weightage %</b>		<b>30%</b>	<b>42%</b>	<b>28%</b>
<b>7.TSC/N9002 (Working in a team)</b>	PC1. be accountable to the own role in whole process	<b>50</b>	4	2	1	1
	PC2. perform all roles with full responsibility		4	2	1	1
	PC3. be effective and efficient at workplace		4	1	2	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		5	1	3	1
	PC10. avoid conflicting situations		4	1	2	1
	PC11. develop new ideas for work procedures		4	1	2	1
	PC12. improve upon the existing techniques to increase process efficiency		4	1	2	1

### Assessment Criteria

			50	15	20	15
Total		Weightage %		30%	40%	30%
<b>8.TSC/N9003 (Maintain health, safety and security at work place)</b>	<b>PC1. comply with health and safety related instructions applicable to the workplace</b>	<b>100</b>	5	2	2	1
	<b>PC2. use and maintain personal protective equipment such as “ ear plug” “ nose mask “ “ head cap” etc., as per protocol</b>		5	2	2	1
	<b>PC3. carry out own activities in line with approved guidelines and procedures</b>		4	2	1	1
	<b>PC4. maintain a healthy lifestyle and guard against dependency on intoxicants</b>		4	2	1	1
	<b>PC5. follow environment management system related procedures</b>		4	2	1	1
	<b>PC6. identify and correct (if possible) malfunctions in machinery and equipment</b>		5	2	2	1
	<b>PC7. report any service malfunctions that cannot be rectified</b>		4	2	1	1
	<b>PC8. store materials and equipment in line with organisational requirements</b>		4	1	2	1
	<b>PC9. safely handle and remove waste</b>		4	1	2	1
	<b>PC10. minimize health and safety risks to self and others due to own actions</b>		5	2	2	1
	<b>PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks</b>		4	2	0	2
	<b>PC12. monitor the workplace and work processes for potential risks and threat</b>		5	2	2	1
	<b>PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned</b>		5	2	2	1

### Assessment Criteria

	<b>PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC15. participate in mock drills/ evacuation procedures organized at the workplace</b>		<b>4</b>	<b>2</b>	<b>2</b>	<b>0</b>
	<b>PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so</b>		<b>5</b>	<b>2</b>	<b>2</b>	<b>1</b>
	<b>PC17. take action based on instructions in the event of fire, emergencies or accidents</b>		<b>5</b>	<b>2</b>	<b>2</b>	<b>1</b>
	<b>PC18. follow organisation procedures for shutdown and evacuation when required</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC20. recognise other possible security issues existing in the workplace</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC21. recognise different measures to curb the hazards</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC22. communicate the safety plan to everyone</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC23. attach disciplinary rules with the implementation</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
			<b>100</b>	<b>43</b>	<b>34</b>	<b>23</b>
	<b>Total</b>	<b>Weightage %</b>		<b>43%</b>	<b>34%</b>	<b>23%</b>
<b>9.TSC/N9004 (Comply with industry and organizational requirements)</b>	<b>PC1. perform own duties effectively</b>	<b>50</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC2. take responsibility for own actions</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC3. be accountable towards the job role and assigned duties</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC4. take initiative and innovate the existing methods</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC5. focus on self-learning and improvement</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC6. co-ordinate with all the team members and colleagues</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC7. communicate politely</b>		<b>4</b>	<b>1</b>	<b>1</b>	<b>2</b>



**Assessment Criteria**

	<b>PC8. avoid conflicts and miscommunication</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC9. know the organisational standards</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
	<b>PC10. implement them in your performance</b>		<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>
	<b>PC11. motivate others to follow them</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>
	<b>PC12. know the industry standards</b>		<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>
	<b>PC13. align them with organisation standards</b>		<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>
			<b>50</b>	<b>18</b>	<b>19</b>	<b>13</b>
	<b>Total</b>	<b>Weightage %</b>		<b>36%</b>	<b>38%</b>	<b>26%</b>
	<b>Total</b>		<b>630</b>	<b>253</b>	<b>206</b>	<b>171</b>
<b>Grand Total-1 (Subject Domain)</b>			<b>630</b>			