



### QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR RUBBER INDUSTRY

### 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

#### Contact Us:

PHD House (4th Floor), Opp. Asian Games Village, Siri Fort Institutional Area, New Delhi -110016 PH: 011-41009347/48 E-mail: info@rsdcindia.in





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### Introduction

### **Qualifications Pack- Rubber Calendering Operator**

SECTOR: RUBBER INDUSTRY

SUB-SECTOR: Tyre, Non Tyre

**OCCUPATION:** Calendering

**REFERENCE ID:** RSC/Q2701

ALIGNED TO: NCO-2015/8141.0101

**Brief Job Description:** The Rubber Calendering Operator is responsible for feeding the correct quantity of compound to the Calender rolls and performing gum sheeting and cord fabric coating operation.

**Personal Attributes:** This job requires the individual to have an eye for detail. He must have a positive attitude and be open to learning. The individual must be result oriented. He should be able to work in factory environment. He should be very careful and attentive while performing his job and good at coordinating with other team members.





**Qualifications Pack Code** RSC/Q2701 Job Role **Rubber Calendering Operator** Job Details Credits(NSQF) TBD **Version number** 2.0 04/06/2013 Sector **Rubber Industry Drafted on** Sub-sector Tyre Last reviewed on 23/08/2017 Calendering Next review date 23/08/2021 Occupation **NSQC Clearance on** 

Job Role	Rubber Calendering operator	
Role Description	The rubber calendering operator is responsible for feeding the correct quantity of compound to the Calender rolls and performing calendering and textile coating operation.	
NSQF level Minimum Educational Qualifications*	4 Class VIII <sup>th</sup> Pass	
Maximum Educational Qualifications*		
Prerequisite License or Training	NA	
Minimum Job Entry Age	18 years	
Experience	Worked as a semi-skilled helper for minimum 12 months in the same or similar process	
Applicable National Occupational Standards (NOS)	<ol> <li>Compulsory:         <ol> <li><u>RSC/N2704 - Perform pre rubber calendering activities</u></li> <li><u>RSC/N2705 - Perform calendering operation using 3 roll/4 roll calender</u></li> <li><u>RSC/N2706 - Perform post rubber calendering activities</u></li> <li><u>RSC/N2706 - Perform post rubber calendering activities</u></li> <li><u>RSC/N5001 - Carry out housekeeping in rubber product manufacturing</u></li> <li><u>RSC/N5002 - Carry out reporting and documentation</u></li> <li><u>RSC/N5003 - Carry out quality checks</u></li> <li><u>RSC/N5004 - Carry out problem identification and escalation</u></li> <li><u>RSC/N5007 - Carry out health and safety</u></li> </ol> </li> </ol>	
Performance Criteria	As described in the relevant OS units	





Keywords	Description
/Terms	Description
Sector	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.
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
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	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.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.
Unit Code	Unit Code is a unique identifier for an Occupational Standard, which is denoted by 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 a 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 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 or 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.





National Occupational Standard



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### **Overview**

This unit is about preparing equipment for calendering operation.



NOS

National Occupational Standards Perform Pre Rubber Calendering Activities



National Occupational Standard

	Unit Code	RSC/N2704		
	Unit Title	Deuteurs Dro Dubber Colondaring Activities		
	(Task)	Perform Pre Rubber Calendering Activities		
	Description	This unit is about preparing equipment for calendering operation		
	Scope	This unit/task covers the following:		
		• Ensuring equipment readiness, housekeeping and safety in the calendering area		
		<ul> <li>Ensuring raw material appropriateness in the calendering area</li> </ul>		
		Setting parameters on the Calender for Health and Safety		
	Performance Criteria (F	PC) w.r.t. the Scope		
	Element	Performance Criteria		
	Equipment readiness	To be competent, the user/individual on the job must be able to		
		PC1. Ensure emergency safety feature of machine is working		
		PC2. Ensure that the bowls /Rolls of the Calender and the heating and cooling		
		cans/rolls are clean		
		PC3. Set parameters for the upstream and downstream equipment as per SOP		
		PC4. Check functioning of calendering temperature control unit (steam/ thermic fluid/		
		cooling water flow circulation)		
		PC5. Switch on the TCU for the system which heats up the rolls		
		PC6. Check nip gaps and temperature are set as per requirement.		
		PC7. Select the liner of appropriate width and length		
		PC8. Ensure the liners are rerolled uniformly before starting the process		
		PC9. Ensure there should not be any spillage of oil / grease on the bowls/rolls of the		
		Calender and the surrounding area		
		PC10. Check fabric tensioner/s are performing OK		
	Raw material	PC11. Ensure that rubber compound to be fed is approved by laboratory		
	appropriateness	PC12. Check the compound, cord fabric/steel cord codes are as per specification issued		
		by plant technical SOP and if it matches with the schedule provided by planning.		
-		Specification /sop is the one to be considered as OK.		
		PC13. Ensure that the guards are provided where manual feeding is done on to the		
		Calender rolls.		
	Health & Safety	PC14. Ensure loose gloves are not worn while feeding rubber to the Calender roll		
		PC15. Adhere to all safety norms (like wearing protective gloves, shoes etc)		
		PC16. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational standards		
	-	Knowledge and Understanding (K)		
	A. Organizational	The user/individual on the job needs to know and understand:		
	Context	KA1. Different types of calender units and their operation as well as control panel		
	(Knowledge of	KA2. Different types of calendering operation		
	the company /	KA3. Implications of poorly prepared equipment, power failure etc		
	organization and	KA4. Importance of identifying non-conforming material and storage of the same		



NOS National Occupational Standards



RIBBER SKILL DEVELOPMENT COUNCIL RSC/N2704	Perform Pre Rubber Calendering Activities Transforming the skill landscape
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its processes)	KA5. Risk and impact of not following defined procedures/work instructions
	KA6. Escalation matrix for reporting identified problems
	KA7. Types of documentation in organization and importance of the same
	KA8. Records to be maintained and implications of non-maintenance of the same
	KA9. Importance of housekeeping & good shop floor practices (e.g. 3S & 5S and /or
	any plant housekeeping systems )
	KA10. Health, Safety and Environment guidelines, legislation and regulations as
	applicable
	KA11. Personal protection( which protective equipment to be used and how)
	KA12. Impact of poor practices on health, safety and environment
	KA13. Potential hazards and actions to minimize the same
	KA14. Escalation matrix and escalation procedure for reporting hazards
	KA15. Importance of FIFO
	KA16. Impact of various practices on cost, quality, productivity, delivery and safety
	KA17. Handover/ Takeover the equipment/ work area as per organisation's SOP
D. Technical	
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. Knowledge of influence of parameters (e.g. time, temperature, pressure) on
	calendering operation
	KB2. Cleanliness and safety requirements for commencing a calendering batch
	operation
	KB3. Effects of continuous direct exposure/contact of the calendered sheet to the skin
	KB4. Type of defects/problems leading to rejections, indicators, reasons and possible
	solutions.
	KB5. Units of measurement
	KB6. Measurement using gauges and balance (for thickness, width and weight)
	KB7. Response to emergencies e.g. Power failures, fire and system failures and
	manual intervention to avoid disaster
	KB8. Knowledge of appropriate batch size with respect to appropriate machinery
	KB9. Usage of different types of fire extinguishers
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to:
Generic Skills	SA1. Construct simple sentences and express ideas clearly through written
	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
	SA3. Write simple letters, mails, etc
	SA4. Perform functional mathematical operations, including apply basic mathematical
	principles, such as numbers and space, and techniques such as estimation and
	approximation, for practical purposes
	Reading Skills







RUBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards / Corporation
RSC/N2704	Perform Pre Rubber Calendering Activities Transforming the skill landscape
	SA5. Read and understand manuals, health and safety instructions, memos, reports,
	job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication
	The user/individual on the job needs to know and understand how to:
	SA8. Express statements, opinions or information clearly so that others can hear and
	understand
	SA9. Respond appropriately to any queries
	SA10. Communicate with supervisor
	SA10. Communicate with supervisor SA11. Communicate with upstream and downstream teams
	Life Skills
	Integrity
	SA12. Practice honesty with respect to company property and time
	SA13. Communicate with people in a form and manner and using language that is open
	and respectful
	SA14. Resolve any difficulties in relationships with colleagues , or get help from an
	appropriate person, in a way that preserves goodwill and trust Motivation
	SA15. Take responsibility for completing one's own work assignment
	SA16. Take initiative to enhance/learn skills in ones's area of work
	SA17. The capacity to learn from experience in a range of settings and scenarios and
	the capacity to reflect on and analyse one's learning.
	SA18. Is open to new ways of doing things
	SA19. The capacity to envisage and articulate personal goals; to develop strategies and
	take action to achieve them.
	Reliability
	SA20. Avoid absenteeism
	SA21. Act objectively, rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA22. Work in disciplined factory environment
	SA23. Be punctual
B. Professional Skills	Decision Making
	The individual needs to know and understand how to:
	SB1. Take a decision for any change/issue based on earlier successes(documented
	previous history)on similar issues
	SB2. Work out changes in case a new improved machine/equipment is added in the
	process or any new material/chemical is developed replacing existing one.
	SB3. Make changes in cycle time due to improved process.
	SB4. Use the standard operating procedure or trouble shooting manuals for trouble
	shooting and other reference documents approved by plant management
	SB5. Consult the peer group and superiors to arrive at a favourable decision.
	SB6. Use of standard available problem solving techniques for decision making
	see. ese of standard available problem solving techniques for decision making







RSC/N2704	Perform Pre Rubber Calendering Activities Transforming the skill landscape
	SB7. Review and analyze the process steps to check on system non adherence and
	non conformity
	SB8. Review the current SOP and other standards for continuous improvement to
	facilitate decision making
	SB9. Take a calculated risk with minimum losses
	Plan and Organize
	SB10. Plan calendering activity in co-ordination with pre and post processes
	SB11. Organize tools and equipments as per the requirement
	SB12. Maximize the output to achieve the set target in timely manner
	Customer Centricity
	SB13. Match customer needs/specification by adjusting the processing conditions
	(interact with customer in case any clarification required)
	SB14. Ensure that performance of his action/operation/activity does not lead to any
	divergence from the specified quality of the final product as required by the
	customer.
	SB15. Complete the assigned task in timely manner so that the final product is
	delivered in the timeline given by the customer.
	SB16. Communicate effectively to the superior/customer for any delay in supplies to
	the clients.
	SB17. Work towards fulfilling the customers requirement as per their demand.
	SB18. In case of any complaint, ensure its timely resolution if the problem is emanating at his level
	SB19. Communicate effectively to the superior/customer for any delay in resolving the problem faced by the customer.
	SB20. Maintain good/cordial relation with customers.
	SB21. Work on the feedback received from customer regarding the product.
	Problem Solving
	SP22 Interpret quality for rubber compound
	SB22. Interpret quality for rubber compound
	SB23. Suggest improvements (if any) in process/product/materials based on results and
	experience
	Analytical Thinking
	SB24. Proper collection of raw material
	SB25. Identify defects in the material and communicate it at the earliest and suggest
	improvements(if any) in process/material based on experience
	Critical Thinking
	SB26. Apply problem-solving approaches in different situations
	SB27. Identify repair and maintenance requirement of calender and get it ready in time





# **NOS Version Control**

NOS Code	RSC/N2704		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	04/06/2013
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021



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The calendering Operations using 5 rolly 4 roll calender

# National Occupational Standard



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**Overview** 

This unit is about performing Calendering operation using 3 roll/ 4 roll calender.







National Occupational Standards Perform Calendering Operations using 3 roll/ 4 roll caler

RSC/N2705 Perfo	brm Calendering Operations using 3 roll/ 4 roll calender		
Unit Code	RSC/N2705		
Unit Title (Task)	Perform Calendering operation using 3 roll/ 4 roll calender		
Description	This unit is about performing Calendering operation using 3 roll/ 4 roll calender		
Scope	<ul> <li>This unit/task covers the following:</li> <li>Raw material appropriateness &amp; feeding the compound to the Calender and feeding the compound to the Calender</li> <li>Performing Calendering operation</li> <li>Cord fabric coating</li> <li>Ensuring housekeeping and safety in the calendering area</li> </ul>		
Performance Criteria (F	PC) w.r.t. the Scope		
Element	Performance Criteria		
Raw material	To be competent, the user/individual on the job must be able to:		
appropriateness	<ul> <li>PC1. Handle the rubber compound to avoid contamination</li> <li>PC2. Ensure that batch size of rubber compound is as per company's SOP</li> <li>PC3. Ensure the compound lab OK status before starting of the process</li> <li>PC4. Ensure use of appropriate liner</li> <li>PC5. Ensure the liners are re rolled uniformly before starting of the process</li> <li>PC6. Ensure the t liner which is free of contamination</li> </ul>		
Calendering	PC7. Select the correct compound		
Operations	<ul> <li>PC8. Feed the correct quantity to the Calender rolls</li> <li>PC9. Ensure the film thickness as per specifications</li> <li>PC10. Inspect visually the rubber strip to make sure it is free from defects and meets required specifications for further processing.</li> <li>PC11. Organise compound at feed system (cracker mill/ warm up mill/ feed mill) through overhead conveyor to the nip of 1st &amp; 2nd Rolls of the Calender.</li> <li>PC12. Pass the compound through 2nd nip of the rolls for compound sheet production</li> <li>PC13. Check circular samples from both edges (10 cm. from edge) for proper compound film thickness</li> <li>PC14. Produce product of correct width, thickness and texture</li> <li>PC15. Ensure the functioning of pricker rollers</li> <li>PC16. Ensure that the calendered sheet is free of contamination</li> </ul>		
Cord fabric Coating	<ul> <li>PC17. Plan batch sequence in shifts based on raw material (Compound and cord fabric ) availability/rejection to maximize output</li> <li>PC18. Select the correct compound</li> <li>PC19. Set the feed strip for correct continuous feed to the Calender nip.</li> <li>PC20. Inspect visually the rubber compound to make sure it is free from contamination.</li> <li>PC21. Inspect visually the fabric to make sure it is free from defects &amp; dry</li> <li>PC22. Maintain the temperature of all rolls and the line speed as per SOP</li> <li>PC23. Ensure that the direction of fabric has been changed for both sided coating(In two pass three roll Calender)</li> <li>PC24. Produce sheet of correct width, thickness Ensure that the calendered sheet is free from contamination</li> </ul>		



Safety



ational Standards



National Occ **RSC/N2705** Perform Calendering Operations using 3 roll/ 4 roll calender PC25. Ensure that material wastage is within tolerance limits PC26. Ensure that no rework or rejection is generated. PC27. Match the quality of output to company's product requirements PC28. Meet production quantity targets set for the operation PC29. Follow work instructions as laid down by the company **Housekeeping &** PC30. Maintain safe distance while machine is in operation

PC31.	Ensure housekeeping in Calendering area
PC32.	Ensure that the feed rolls are provided with a guard to protect hand/fingers
	going in between rolls
PC33.	Ensure the functioning of safety button / safety bar in all mills (Cracker/
	Warming and feeding mill)
PC34.	Use the protective gloves to handle the hot rolls/compounds
PC35.	Adhere to all safety norms (like wearing protective gloves, mask, shoes, safety
	goggles etc)
PC36.	Comply with health, safety, environment guidelines, regulations etc in

accordance with international/national standards or organizational SOP

### Knowledge and Understanding (K)

A. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. Different types of Calender units and their operation as well as control panel.		
(Knowledge of the	KA2. Different types of calendering operation.		
company /	KA3. Implications of poorly prepared equipment, power failure etc		
organization and	KA4. Material disposal procedure, importance of appropriate disposal of material		
its processes)	and implications of not following the material disposal procedure		
	KA5. Quality and damage checks to be done and importance of the same		
	KA6. Importance of identifying non-conforming products and storage of the same		
	KA7. Risk and impact of not following defined procedures/work instructions		
	KA8. Escalation matrix for reporting identified issues		
	KA9. Types of documentation in organization and importance of the same		
	KA10. Records to be maintained and implications of non-maintenance of the same		
	KA11. Importance of housekeeping & good shop floor practices (e.g.3S/5S)		
	KA12. Health, Safety and Environment guidelines, legislation and regulations as		
	applicable		
	KA13. Personal protection( Which protective equipment to be used and how)		
	KA14. Impact of poor practices on health, safety and environment		
	KA15. Potential hazards and actions to minimize the same		
	KA16. Escalation matrix and escalation procedure for reporting hazards		
	KA17. Importance of FIFO		
	KA18. Impact of various practices on cost, quality, productivity, delivery and safety		
	KA19. Handover/ Takeover the equipment/ work area as per company's SOP		
B. Technical	The user/individual on the job needs to know and understand:		
Knowledge	KB1. Calendering machine & its operation		
C C	KB2. Influence of cambering, cross –axis, roll bending, roll finish on uniformity of		
	gauge		
	KB3. Importance of process parameters (temperature, pressure, gauge etc)		
	KB4. Importance of maintaining differential speed of the top, middle and bottom		
	12		



National Occupational Standards



Perform Calendering Operations using 3 roll/ 4 roll calender

RSC/N2705	Perform Calendering Operations using 3 roll/ 4 roll calender Transforming the skill landscape
	rolls
	KB5. Troubleshooting- Knowledge of abnormalities and what response to make in
	case of abnormalities in equipment performance
	KB6. The emergency stops procedures for the calendering machine.
	KB7. Measurement procedures using gauges and balance (for thickness, width and
	weight)
	KB8. The process and importance of quality check ,including visual inspection and dimensional checks
	KB9. Effects of continuous direct exposure/contact of the calendered sheet to the skin
	KB10. Effect of improper calendering on properties of product.
	KB10. The procedure for maintaining all the rolls at even speed
	KB12. Importance of changing the direction of the fabric
	KB12. The emergency stops procedures for the calendering machine.
	KB14. Cleanliness and safety requirements for commencing a calendering operation
	KB15. The detrimental effect of inhalation of fumes / particulate containing Carbon
	Black (CB), Silica & rubber chemicals etc.
	KB16. About the detrimental effects of continuous direct exposure of the calendered
	sheet to the skin, exposure of the eye to harmful fumes.
	KB17. Effect of improper calendering on properties of product.
	KB18. Implications of not adhering to sequence of activities and operations
	KB19. Implications of delays in production process
	KB20. Types of defects leading to rejections, indicators, reasons and possible
	solutions.
	KB21. Potential problems in the calendering operation
	KB22. Units of measurement
	KB23. Response to emergencies e.g. Power failures, fire and system failures and
	manual intervention to avoid disaster
	KB24. Knowledge of appropriate batch size with respect to appropriate machinery
	KB25. When and where to use cleaner batches and their disposal
	KB26. Usage of different types of fire extinguishers
	KB27. Provide appropriate solutions to the problems encountered
	Rb27. Howae appropriate solutions to the problems cheountered
Skills (S)	
A. Core Skills/	Writing Skills
Generic Skills	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written
	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
	SA3. Write simple letters, mails, etc
	SA4. Perform functional mathematical operations, including apply basic
	mathematical principles, such as numbers and space, and techniques such as
	estimation and approximation, for practical purposes
	Reading Skills







RUBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards Corporation
RSC/N2705	Perform Calendering Operations using 3 roll/ 4 roll calender Transforming the skill landscape
	SA5. Read and understand manuals, health and safety instructions, memos, reports,
	job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication
	SA8. Express statements, opinions or information clearly so that others can hear
	and understand
	SA9. Respond appropriately to any queries
	SA10. Communicate with supervisor
	SA11. Communicate with upstream and downstream teams
	Life Skills
	Integrity
	SA12. Practice honesty with respect to company property and time
	SA13. Communicate with people in a form and manner and using language that is
	open and respectful
	SA14. Resolve any difficulties in relationships with colleagues , or get help from an
	appropriate person, in a way that preserves goodwill and trust
	Motivation
	SA15. Take responsibility for completing one's own work assignment
	SA16. Take initiative to enhance/learn skills in ones's area of work
	SA17. The capacity to learn from experience in a range of settings and scenarios and
	the capacity to reflect on and analyse one's learning.
	SA18. Is open to new ways of doing things
	SA19. The capacity to envisage and articulate personal goals; to develop strategies
	and take action to achieve them.
	Reliability
	SA20. Avoid absenteeism
	SA21. Act objectively , rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA22. Work in disciplined factory environment
	SA23. Be punctual
B. Professional S	kills Decision Making
	The individual needs to know and understand how to:
	SB1. Take a decision for any change/issue based on earlier successes(documented
	previous history)on similar issues
	SB2. Work out changes in case a new improved machine/equipment is added in the
	process or any new material/chemical is developed replacing existing one.
	SB3. Make changes in cycle time due to improved process.
	SB4. Use the standard operating procedure or trouble shooting manuals for trouble
	shooting and other reference documents approved by plant management
	SB5. Consult the peer group and superiors to arrive at a favourable decision.
	SB6. Use of standard available problem solving techniques for decision making







Perform Calendering Operations using 3 roll/ 4 roll calender **RSC/N2705** Transforming the skill landscape SB7. Review and analyze the process steps to check on system non adherence and non conformity SB8. Review the current SOP and other standards for continuous improvement to facilitate decision making SB9. Take a calculated risk with minimum losses **Plan and Organize** SB10. Inspect the sheets during the process SB11. Produce the maximum output with minimal wastage SB12. Arrange for proper maintenance of calender SB13. Schedule production in case of re-work **Customer Centricity** SB14. Match customer needs/specification by adjusting the processing conditions (interact with customer in case any clarification required) SB15. Ensure that performance of his action/operation/activity does not lead to any divergence from the specified quality of the final product as required by the customer. SB16. Complete the assigned task in timely manner so that the final product is delivered in the timeline given by the customer. SB17. Communicate effectively to the superior/customer for any delay in supplies to the clients. SB18. Work towards fulfilling the customers requirement as per their demand. SB19. In case of any complaint, ensure its timely resolution if the problem is emanating at his level SB20. Communicate effectively to the superior/customer for any delay in resolving the problem faced by the customer. SB21. Maintain good/cordial relation with customers. SB22. Work on the feedback received from customer regarding the product. **Problem Solving** SB23. Interpret quality of sheet and textile coating SB24. Suggest improvements(if any) in process/product/materials based on results and experience **Analytical Thinking** SB25. Proper collection of waste material SB26. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience SB27. Diagnose common problems in the machine based on visual inspection, sound, temperature etc **Critical Thinking** 







Perform Calendering Operations using 3 roll/ 4 roll calender

1.50,112,05	i ente		Transforming the skill landscape
		SB28. Identify any issues affecting the material, equipment	t or surroundings
		SB29. Escalate issues that cannot be solved as per the trou	bleshooting/company
		manual	
		SB30. Seek clarification on problems from others	
		SB31. Apply problem-solving approaches in different situat	tions
		SB32. Handle emergency situations arising during the cale	ndering process

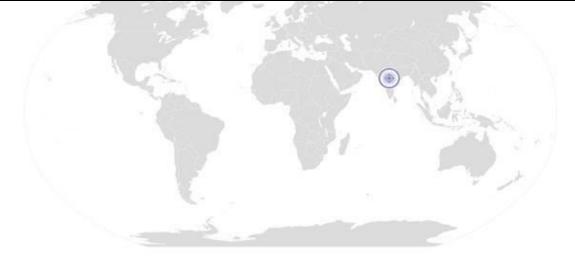






# **NOS Version Control**

NOS Code	RSC/N2705	RSC/N2705		
Credits(NSQF)	TBD	Version number	2.0	
Industry	Rubber Manufacturing	Drafted on	04/06/2013	
Industry Sub-sector	Туге	Last reviewed on	23/08/2017	
Occupation	Calendering	Next review date	23/08/2021	



17





National Occupational Standard



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**Overview** 

This unit is about performing activities after the completion of calendering operation.









R3C/112/00	Transforming the skill landscape
Unit Code	RSC/N2706
Unit Title	Perform post rubber calendering activities
(Task)	
Description	This unit is about performing activities after the completion of Calendering using 3
	roll/ 4 roll calender.
Scope	This unit/task covers the following:
	Operations
	Material disposal
	Batching-off of calendered sheets
	Sampling operation
	Ensuring housekeeping and safety in the calendering area
Performance Criteria	a (PC) w.r.t. the Scope
Element	Performance Criteria
Operations	PC1. Ensure that the correct liner is used and is clean and batched off on right size
	roll
	PC2. Ensure that the liners are ironed and rerolled before starting the process
	PC3. Roll the calendered sheet on the liner at the winding station
	PC4. Ensure that the wind up temperature of the calendered gum /coated fabric
	are as per SOP to avoid loss tack or stuck to libner problems
	PC5. Ensure the storage are free to load the processed fabric
	PC6. Pack the calendered roll properly and store it in the designated area
	PC7. Ensure the storage condition and FIFO while storage of the processed fabric
	PC8. Ensure the provision of proper identification system on the processed fabric rolls at storage
	PC9. Ensure the film thickness as per specifications
	PC10. Operate online marking(coated fabric identification) system for product identification
	PC11. Follow work instructions as laid down by the company
	PC12. Handover the equipment to the next operator in clean and good condition
Material disposal	PC13. Dispose waste material in safe manner as per organizational SOP
Batch Marking	PC14. Carry out batch marking for the right product as per instructions laid down by
	the company (in terms of weight, length, colour etc).
Sampling	PC15. Make the samples as per the sampling frequency as per organizational SOP
	PC16. Send the Calendered fabric full width sample to lab for testing with proper
	identification like Calender roll #, Size code and production date with time.
	PC17. Identify the location in the sample like Panel board side, middle side and rotary joint side for better understanding and ensure the dispersion of the
	material in the product while testing
	PC18. Send the remaining material to the designated storage area
Housekeeping &	PC19. Ensure housekeeping in Calendering area
	PC20. Ensure that the feed rolls are provided with a guard to protect hand/finger
Safety	going in between rolls
	PC21. Ensure that the direct exposure of the calendered sheet to the skin is
	minimized





	National Occupational Standards / Corporation
RSC/N2706	Perform Post Rubber Calendering Activities Transforming the skill landscape
	goggles etc) PC23. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational
Knowledge and Unders	standing (K)
A. Organizational	The user/individual on the job needs to know and understand:
Context	KA1. Implications of poorly prepared equipment, power failure etc
(Knowledge of	KA2. Material disposal procedure, importance of appropriate disposal of material
the company /	and implications of not following the material disposal procedure
organization and	KA3. Significance of batch marking
its processes)	KA4. Importance of identifying non-conforming product and storage of the same
	KA5. Risk and impact of not following defined procedures/work instructions
	KA6. Escalation matrix and procedure for reporting identified problems
	KA7. Types of documentation in organization and importance of the same
	KA8. Records to be maintained and implications of non-maintenance of the same
	KA9. Importance of housekeeping & good shop floor practices (e.g.3S/5S)
	KA10. Health, Safety and Environment guidelines, legislation and regulations as
	applicable
	KA11. Personal protection (Which protective equipment to be used and how)
	KA12. Potential hazards and actions to minimize the same
	KA13. Impact of poor practices on health, safety and environment
	KA14. Escalation matrix and procedure for reporting hazards
	KA15. Handover/Takeover the equipment/ work area as per organisational SOP
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. Batch marking techniques
	KB2. Implications of incorrect batch marking
	KB3. Implications of inappropriate waste disposal
	KB4. Type of defects leading to rejections
	KB5. Units of measurement
	KB6. Coding systems for identification and traceability
	KB7. Knowledge of weighing scales
	KB8. Knowledge of proper wind up temperature .
	KB9. Knowledge of off spec width or length of rolls wound
	KB10. Knowledge of storage life of the compound, knowledge of ambient
	temperature and effect on compound
	KB11. Detrimental effects of inhalation of fumes / particulate containing Carbon
	Black (CB), Silica & rubber chemicals etc.
	KB12. Detrimental effects of continuous direct exposure of the calendered sheet to
	the skin, exposure of the eye to harmful fumes.
	KB13. How to identify surface defects like blooming
	KB14. Usage of different types of fire extinguishers
Skills (S)	







National Occupational Standards Perform Post Rubber Calendering Activities

KSC/NZ/Ub	Perform Post Rubber Calendering Activities Transforming the skill landscape		
Core Skills/ Generic	Oral Communication		
Skills	The user/individual on the job needs to know and understand how to:		
	SA1. Express statements, opinions or information clearly so that others can hear		
	and understand		
	SA2. Respond appropriately to any queries		
	SA3. Communicate with supervisor		
	SA4. Communicate with upstream and downstream teams		
	Life Skills		
	Integrity		
	SA5. Practice honesty with respect to company property and time		
	SA6. Communicate with people in a form and manner and using language that is		
	open and respectful		
	SA7. Resolve any difficulties in relationships with colleagues , or get help from an		
	appropriate person, in a way that preserves goodwill and trust		
	Motivation		
	SA8. Take responsibility for completing one's own work assignment		
	SA9. Take initiative to enhance/learn skills in ones's area of work		
	SA10. The capacity to learn from experience in a range of settings and scenarios and		
	the capacity to reflect on and analyse one's learning.		
	SA11. Is open to new ways of doing things		
	SA12. The capacity to envisage and articulate personal goals; to develop strategies		
	and take action to achieve them.		
	Reliability		
	SA13. Avoid absenteeism SA14. Act objectively, rather than impulsively or emotionally when faced with		
	difficult/stressful or emotional situations		
	SA15. Work in disciplined factory environment		
	SA16. Be punctual		
	Decision Making		
B. Professional Skills	The individual needs to know and understand how to:		
	SB1. Take a decision for any change/issue based on earlier successes(documented		
	previous history)on similar issues		
	SB2. Work out changes in case a new improved machine/equipment is added in the		
	process or any new material/chemical is developed replacing existing one.		
	SB3. Make changes in cycle time due to improved process.		
	SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant management		
	SB7. Review and analyze the process steps to check on system non adherence and		







National Occupational Standards Perform Post Rubber Calendering Activities

RSC/N2706	Perform Post Rubber Calendering Activities Transforming the skill landscape
	non conformity
	SB8. Review the current SOP and other standards for continuous improvement to
	facilitate decision making
	SB9. Take a calculated risk with minimum losses
	Plan and Organize
	SB10. Wind off the calendered sheets properly
	SB11. Co-ordinate for next process effectively
	SB12. Batch marking in systematic way
	Customer Centricity
	SB13. Match customer needs/specification by adjusting the processing conditions (interact with customer in case any clarification required)
	SB14. Ensure that performance of his action/operation/activity does not lead to any divergence from the specified quality of the final product as required by the customer.
	SB15. Complete the assigned task in timely manner so that the final product is delivered in the timeline given by the customer.
	SB16. Communicate effectively to the superior/customer for any delay in supplies to the clients.
	SB17. Work towards fulfilling the customers requirement as per their demand. SB18. In case of any complaint, ensure its timely resolution if the problem is emanating at his level
	SB19. Communicate effectively to the superior/customer for any delay in resolving the problem faced by the customer.
	SB20. Maintain good/cordial relation with customers.
	SB21. Work on the feedback received from customer regarding the product.
	Problem Solving
	SB22. Interpret quality for sheet
	SB23. Suggest improvements(if any) in process/product/materials based on results
	and experience
	Analytical Thinking
	SB24. Proper collection of waste material
	SB25. Identify defects in the material and communicate it at the earliest and suggest
	improvements(if any) in process/material based on experience
	Critical Thinking
	SB26. Apply problem-solving approaches in different situations
	SB27. Modify process as per change in requirement/specification





### **NOS Version Control**

NOS Code	RSC/N2706		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	04/06/2013
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021



Back to QP





# National Occupational Standard



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### **Overview**

This unit is about carrying out housekeeping activities







National Occupational Standards Carry out housekeeping in rubber product manufacturing

K3C/N3001	Transforming the skill landscape
Unit Code	RSC/N5001
Unit Title (Task)	Carry out housekeeping in rubber product manufacturing
Description	This unit is about carrying out housekeeping activities
Scope	<ul> <li>This unit/task covers the following:</li> <li>Preparing for housekeeping activities</li> <li>Carry out housekeeping activities</li> <li>Post housekeeping activities</li> </ul>
Performance Criteria (Po	C) w.r.t. the Scope
Element	Performance Criteria
Pre housekeeping activities	<ul> <li>To be competent, the user/individual on the job must be able to:</li> <li>PC1. Inspect the area while taking into account various surfaces</li> <li>PC2. Ensure NO uncovered fabric is left on the unit</li> <li>PC3. Ensure the calenders and the mills are free of any compound.</li> <li>PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed</li> </ul>

	PC3.	Ensure the calenders and the mills are free of any compound.
	PC4.	Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed
		and placed at appropriate designated bins/skids/pallets
	PC5.	Identify the material requirements for cleaning the areas inspected, by
		considering risk, time, efficiency and type of stain
	PC6.	Ensure that the cleaning equipment is in proper working condition
	PC7.	Select the suitable alternatives for cleaning the areas in case the appropriate
		equipment and materials are not available and inform the appropriate
		person
		Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces
	PC9.	Inform the affected people about the cleaning activity
	PC10.	Display the appropriate signage for the work being conducted
	PC11.	Ensure that there is adequate ventilation for the work being carried out
	PC12.	Wear the personal protective equipment required for the cleaning method
		and materials being used
Housekeeping		Use the correct cleaning method for the work area, type of soiling and
Operations		surface
		Carry out cleaning activity without disturbing others
		Deal with accidental damage, if any, caused while carrying out the work
		Report to the appropriate person any difficulties in carrying out your work
		Identify and report to the appropriate person any additional cleaning
		required that is outside one's responsibility or skill
Post housekeeping		Ensure that there is no oily substance on the floor to avoid slippage
activities		Ensure that no scrap material is lying around
		Maintain and store housekeeping equipment and supplies
		Follow workplace procedures to deal with any accidental damage caused
		during the cleaning process
		Ensure that, on completion of the work, the area is left clean and dry and meets requirements
	PC23.	Return the equipment, materials and personal protective equipment that
		were used to the right places making sure they are clean, safe and securely stored
		Dispose the waste garnered from the activity in an appropriate manner
		Dispose the maste Barnered from the detricy in an appropriate manner







RUBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards
RSC/N5001	Carry out housekeeping in rubber product manufacturing Transforming the skill landscape
	PC25. Dispose of used and un-used solutions according to manufacturer's
	instructions, and clean the equipment thoroughly
General	PC26. Maintain schedules and records for housekeeping duty
	PC27. Replenish any necessary supplies or consumables
Knowledge and Understa	anding (K)
A. Organizational	KA1. Importance of learning proper procedures and techniques
Context (Knowledge of	KA2. Implications of not following the organizational requirement for approval
the company /	for undertaking the specific task
organization and its	KA3. Importance of completing the activities as per the schedule
processes)	KA4. Implications of not following the defined procedures/work instructions
	KA5. Importance of team work
	KA6. Health, Safety and Environment guidelines, legislation and regulations as
	applicable
	KA7. Actions to be taken in case of non-conformity to behavioral standards of
	,
	the organization
	KA8. Impact of poor practices on the individual's and organization's performance
	KA9. Importance of optimal utilization of resources
	KA10. Importance of providing feedback for improvement
	KA11. Importance of indigenous knowledge for evolving/adopting operation
	specific practices
	KA12. Rectification/solution of problems/conflicts for the smooth functioning of
	the organization
	KA13. Importance of documentation/reporting as per guidelines and procedures
	KA14. Knowledge of do's and don'ts (company's HR instructions)
	KA15. Importance of attending trouble shooting
	KA16. Importance of subject learning/ training
	KA17. Importance of Product and its application
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	KB1. The levels of hygiene required by workplace and why it is important to
	maintain them during your work
	KB2. How to inspect a work area to decide what cleaning it needs
	KB3. Methods and materials that used for cleaning variety of surfaces
	KB4. The types of cleansing agents that are not to be mixed together
	KB5. The correct method for cleaning equipment and/or machinery used during your work
	KB6. The importance of personal protective equipment
	KB7. Appropriate personal protective equipment for the work area, cleaning
	equipment, tools, materials and chemicals used
	KB8. The correct sequence for cleaning the work area
	KB9. The time taken by the treatment to work
	KB10. The importance of following manufacturer's instructions on cleaning agents
	KB11. The most appropriate place to carry out test cleans and why this should be
	done before applying treatments
	KB12. The importance of applying treatments evenly and the effect of not doing
	this







RUBBER SKILL DEVELOPMENT COUNCIL RSC/N5001	Carry out housekeeping in rubber product manufacturing
-	KB13. Process of cleaning the surfaces without causing injury or damage
	KB14. The method to check the treated surface and equipment on completion of cleaning
	KB15. Procedures for reporting any unidentified soiling
	KB16. Procedures for disposing off waste
	KB17. Procedures for disposing off or storing personal protective equipment
	KB18. Escalation procedures for soils or stains that could not be removed
Skills (S)	
A. Core Skills/ Generic	Writing Skills
Skills	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company
	SA3. Write simple letters, mails, etc
	Reading Skills
	SA4. Read and understand manuals, health and safety instructions, memos, reports etc
	SA5. Read images, graphs, diagrams
	SAG. Understand the various color codes, as per company nomenclature
	Oral Communication
	SA7. Express statements, opinions or information clearly so that others can hear and understand
	SA8. Respond appropriately to any queries
	SA9. Communicate with supervisor
	SA10. Communicate with upstream and downstream teams
	Life Skills
	Integrity
	SA11. Practice honesty with respect to company property and time
	SA12. Communicate with people in a form and manner and using language that is
	open and respectful
	SA13. Resolve any difficulties in relationships with colleagues, or get help from an
	appropriate person, in a way that preserves goodwill and trust
	Motivation
	SA14. Take responsibility for completing one's own work assignment
	SA15. Take initiative to enhance/learn skills in ones's area of work SA16. The capacity to learn from experience in a range of settings and scenarios
	and the capacity to reflect on and analyse one's learning.
	SA17. Is open to new ways of doing things
	SA18. The capacity to envisage and articulate personal goals; to develop strategies
	and take action to achieve them.
	Reliability
	SA19. Avoid absenteeism
	SA20. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	SA21. Work in disciplined factory environment





National Occupational Standards Carry out housekeeping in rubber product manufacturing



RSC/N5001	Carry out housekeeping in rubber product manufacturing Transforming the skill landscape
	SA22. Be punctual
B. Professional Skills	Decision Making
	The individual needs to know and understand how to:
	SB1. Take a decision for any change/issue based on earlier
	successes(documented previous history)on similar issues
	SB2. Work out changes in case a new improved machine/equipment is added in
	the process or any new material/chemical is developed replacing existing
	one.
	SB3. Make changes in cycle time due to improved process.
	SB4. Use the standard operating procedure or trouble shooting manuals for
	trouble shooting and other reference documents approved by plant
	management
	SB5. Consult the peer group and superiors to arrive at a favourable decision.
	SB6. Use of standard available problem solving techniques for decision making
	SB7. Review and analyze the process steps to check on system non adherence
	and non conformity
	SB8. Review the current SOP and other standards for continuous improvement to
	facilitate decision making
	SB9. Take a calculated risk with minimum losses
	Plan and Organize
	SB10. Plan and organize the factors of production to execute the business plan
	SB11. Fix up tasks and allotment of the same
	SB12. Assign tasks to suitable persons
	SB13. Motivate them for better output and time bound completion of tasks
	Customer Centricity
	SB14. Match customer needs/specification by adjusting the processing conditions
	(interact with customer in case any clarification required)
	SB15. Ensure that performance of his action/operation/activity does not lead to
	any divergence from the specified quality of the final product as required by
	the customer.
	SB16. Complete the assigned task in timely manner so that the final product is
	delivered in the timeline given by the customer.
	SB17. Communicate effectively to the superior/customer for any delay in supplies
	to the clients.
	SB18. Work towards fulfilling the customers requirement as per their demand.
	SB19. In case of any complaint, ensure its timely resolution if the problem is
	emanating at his level
	SB20. Communicate effectively to the superior/customer for any delay in resolving
	the problem faced by the customer.
	SB21. Maintain good/cordial relation with customers.







National Occupational Standards Carry out housekeeping in rubber product manufacturing

 Transforming the skill landscape		
SB22. Work on the feedback received from customer regarding the product.		
Problem Solving		
SB23. Interpret quality for sheet		
SB24. Suggest improvements (if any) in process/product/materials based on results		
and experience		
Analytical Thinking		
SB25. Proper collection of waste material		
SB26. Identify defects in the material and communicate it at the earliest and		
suggest improvements(if any) in process/material based on experience		
Critical Thinking		
SB27. Seek clarification on problems from others		
SB28. Apply problem-solving approaches in different situations		
SB29. Refer anomalies to the line manager		







### **NOS Version Control**

NOS Code	RSC/N5001		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	04/06/2013
Industry Sub-sector	Туге	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021







National Occupational Standard



**Overview** 

This unit is about reporting and documentation





National Occupational Standards **Carry Out Reporting And Documentation** 



RSC/N5002

	Transforming the skill landscape		
Unit Code	RSC/N5002		
Unit Title (Task)	Carry out reporting and documentation		
Description	This unit is about carrying out reporting and documentation		
Scope	<ul> <li>This unit/task covers the following:</li> <li>Reporting of data/problem/incidents etc</li> <li>Documentation</li> <li>Information Security</li> </ul>		
Performance Criteria (PC)	) w.r.t. the Scope		
Element	Performance Criteria		
Reporting	<ul> <li>To be competent, the user/individual on the job must be able to:</li> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> </ul>		
Recording and	PC4. Identify documentation to be completed relating to one's role		
Documentation	<ul> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> </ul>		
	<ul> <li>PC7. Ensure that the final document meets with the requirements of the person who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> </ul>		
Information Security	<ul> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> </ul>		
Knowledge and Understa	inding (K)		
<b>A. Organizational</b> <b>Context</b> (Knowledge of the company / organization and its processes)	<ul> <li>KA1. Importance of learning proper procedures and techniques</li> <li>KA2. Implications of not following the organizational requirement for approval for undertaking the specific task</li> <li>KA3. Importance of completing the activities as per the schedule</li> <li>KA4. Implications of not following the defined procedures/work instructions</li> <li>KA5. Importance of team work</li> <li>KA6. Health, Safety and Environment guidelines, legislation and regulations as applicable</li> <li>KA7. Actions to be taken in case of non-conformity to behavioral standards of the organization</li> <li>KA8. Impact of poor practices on the individual's and organization's performance</li> <li>KA9. Importance of optimal utilization of resources</li> <li>KA10. Importance of providing feedback for improvement</li> <li>KA11. Importance of indigenous knowledge for evolving/adopting operation specific practices</li> <li>KA12. Rectification/solution of problems/conflicts for the smooth functioning of the organization</li> </ul>		







	ι.	
National Occupational Standards         Skill Development Corporation           Carry Out Reporting And Documentation         Transforming the skill landscape		
KB1. Different methods of recording information		
KB2. Various documents that need to be maintained		
KB3. Company procedure for filling/maintaining up the documents		
KB4. Procedures for reporting to the appropriate authority		
	t	
KB10. The actions to be taken if the documents are not correct		
KB11. The importance of maintaining the security and confidentiality of recorded		
information		
KB12. Procedures to maintain confidentiality of information		
outside party		
Writing Chills		
Writing Skills		
The user/ individual on the job needs to know and understand how to:		
The user/ individual on the job needs to know and understand how to: SA1. Construct simple sentences and express ideas clearly through written		
The user/ individual on the job needs to know and understand how to: SA1. Construct simple sentences and express ideas clearly through written communication		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such</li> </ul>		
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<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such as estimation and approximation, for practical purposes</li> <li>Reading Skills</li> <li>SA5. Read and understand manuals, health and safety instructions, memos,</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such as estimation and approximation, for practical purposes</li> <li>Reading Skills</li> <li>SA5. Read and understand manuals, health and safety instructions, memos, reports, job cards etc</li> </ul>		
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<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such as estimation and approximation, for practical purposes</li> <li>Reading Skills</li> <li>SA5. Read and understand manuals, health and safety instructions, memos, reports, job cards etc</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such as estimation and approximation, for practical purposes</li> <li>Reading Skills</li> <li>SA5. Read and understand manuals, health and safety instructions, memos, reports, job cards etc</li> <li>SA6. Read images, graphs, diagrams</li> <li>SA7. Understand the various coding systems as per company norms</li> <li>Oral Communication</li> </ul>		
<ul> <li>The user/ individual on the job needs to know and understand how to:</li> <li>SA1. Construct simple sentences and express ideas clearly through written communication</li> <li>SA2. Fill up appropriate technical forms, process charts, activity logs in required format of the company</li> <li>SA3. Write simple letters, mails, etc</li> <li>SA4. Perform functional mathematical operations, including apply basic mathematical principles, such as numbers and space, and techniques such as estimation and approximation, for practical purposes</li> <li>Reading Skills</li> <li>SA5. Read and understand manuals, health and safety instructions, memos, reports, job cards etc</li> <li>SA6. Read images, graphs, diagrams</li> <li>SA7. Understand the various coding systems as per company norms</li> </ul>		
	<ul> <li>KA15. Importance of attending trouble shooting</li> <li>KA16. Importance of subject learning/ training</li> <li>KA17. Importance of Product and its application</li> <li>The user/individual on the job needs to know and understand:</li> <li>KB1. Different methods of recording information</li> <li>KB2. Various documents that need to be maintained</li> <li>KB3. Company procedure for filling/maintaining up the documents</li> <li>KB4. Procedures for reporting to the appropriate authority</li> <li>KB5. Procedures for recording damage, breakages etc</li> <li>KB6. Reporting incidents where standard operating procedures are not followed</li> <li>KB7. The importance of complete and accurate documentation</li> <li>KB8. How to maintain complete documentation accurately and within agreed timescales</li> <li>KB9. The importance of ensuring that the documents are correct</li> <li>KB10. The actions to be taken if the documents are not correct</li> <li>KB11. The importance of maintaining the security and confidentiality of recorded information</li> </ul>	

- SA9. Respond appropriately to any queries
- SA10. Communicate with supervisor





National Occupational Standards Carry Out Reporting And Documentation



	SA11. Communicate with upstream and downstream teams			
	Life Skills			
	Integrity			
	SA12. Practice honesty with respect to company property and time			
	SA13. Communicate with people in a form and manner and using language that is			
	open and respectful			
	SA14. Resolve any difficulties in relationships with colleagues , or get help from an			
	appropriate person, in a way that preserves goodwill and trust			
	Motivation			
	SA15. Take responsibility for completing one's own work assignment			
	SA16. Take initiative to enhance/learn skills in ones's area of work			
	SA17. The capacity to learn from experience in a range of settings and scenarios			
	and the capacity to reflect on and analyse one's learning.			
	SA18. Is open to new ways of doing things			
	SA19. The capacity to envisage and articulate personal goals; to develop strategies			
	and take action to achieve them.			
	Reliability			
	SA20. Avoid absenteeism			
	SA21. Act objectively , rather than impulsively or emotionally when faced with			
	difficult/stressful or emotional situations			
	SA22. Work in disciplined factory environment			
	SA23. Be punctual			
B. Professional Skills	Decision Making			
	The individual needs to know and understand how to:			
	SB1. Take a decision for any change/issue based on earlier			
	successes (documented previous history) on similar issues			
	SB2. Work out changes in case a new improved machine/equipment is added in the process or any new material/shamical is developed replacing existing			
	the process or any new material/chemical is developed replacing existing one.			
	SB3. Make changes in cycle time due to improved process.			
	JDJ. IVIANE LIIAIIRES III LVLIE LIITIE UUE LU IITIDI UVEU DI ULESS.			
	SB4. Use the standard operating procedure or trouble shooting manuals for			
	SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant			
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	<ul> <li>SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant management</li> <li>SB5. Consult the peer group and superiors to arrive at a favourable decision.</li> </ul>			
	<ul> <li>SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant management</li> <li>SB5. Consult the peer group and superiors to arrive at a favourable decision.</li> <li>SB6. Use of standard available problem solving techniques for decision making</li> </ul>			
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	<ul> <li>SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant management</li> <li>SB5. Consult the peer group and superiors to arrive at a favourable decision.</li> <li>SB6. Use of standard available problem solving techniques for decision making</li> <li>SB7. Review and analyze the process steps to check on system non adherence and non conformity</li> </ul>			
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	<ul> <li>SB4. Use the standard operating procedure or trouble shooting manuals for trouble shooting and other reference documents approved by plant management</li> <li>SB5. Consult the peer group and superiors to arrive at a favourable decision.</li> <li>SB6. Use of standard available problem solving techniques for decision making</li> <li>SB7. Review and analyze the process steps to check on system non adherence and non conformity</li> <li>SB8. Review the current SOP and other standards for continuous improvement to</li> </ul>			







National Occupational Standards

RSC/N5002	Carry Out Reporting And Documentation Transforming the skill landscape
	SB10. Plan and organize the factors of production to execute the business plan
	SB11. Fix up tasks and allotment of the same
	SB12. Assign tasks to suitable persons
	SB13. Motivate them for better output and time bound completion of tasks
	Customer Centricity
	SB14. Match customer needs/specification by adjusting the processing conditions
	(interact with customer in case any clarification required)
	SB15. Ensure that performance of his action/operation/activity does not lead to
	any divergence from the specified quality of the final product as required by the customer.
	SB16. Complete the assigned task in timely manner so that the final product is delivered in the timeline given by the customer.
	SB17. Communicate effectively to the superior/customer for any delay in supplies to the clients.
	SB18. Work towards fulfilling the customers requirement as per their demand.
	SB19. In case of any complaint, ensure its timely resolution if the problem is emanating at his level
	SB20. Communicate effectively to the superior/customer for any delay in resolving
	the problem faced by the customer.
	SB21. Maintain good/cordial relation with customers.
	SB22. Work on the feedback received from customer regarding the product.
	Problem Solving
	SB23. Interpret quality for sheet
	SB24. Suggest improvements(if any) in process/product/materials based on results and experience
	Analytical Thinking
	SB25. Proper collection of waste material
	SB26. Identify defects in the material and communicate it at the earliest and
	suggest improvements(if any) in process/material based on experience
	Critical Thinking
	SB27. Seek clarification on problems from others
	SB28. Apply problem-solving approaches in different situations
	SB29. Refer anomalies to the line manager





# **NOS Version Control**

NOS Code	RSC/N5002		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	04/06/2013
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021



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## National Occupational Standard



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### <u>Overview</u>

This unit is about carrying out quality checks





National Occupational Standards Carry Out Quality Checks



National Occupational Standard

Unit Code	RSC/N5003	
Unit Title		
(Task)	Carry out quality checks	
Description	This unit is about carrying out quality control activities	
Scope	This unit/task covers the following:	
	Carrying out quality checks to identify problems	
	Take corrective actions	
	Reporting the results	
Performance Criteria (I	PC) w.r.t. the Scope	
Element	Performance Criteria	
Inspection	To be competent, the user/individual on the job must be able to:	
	PC1. Ensure that total range of checks are regularly and consistently performed	
	PC2. Use appropriate measuring instruments, equipment, tools, accessories etc ,as	
	required	
Analysis	PC3. Identify non-conformities to quality assurance standards	
	<ul><li>PC4. Identify potential causes of non-conformities to quality assurance standards</li><li>PC5. Identify impact on final product due to non-conformance to company</li></ul>	
	standards	
	PC6. Evaluating the need for action to ensure that problems do not recur	
	PC7. Suggest corrective action to address problem	
	PC8. Review effectiveness of corrective action	
Reporting	PC9. Interpret the results of the quality check correctly	
	PC10. Take up results of the findings with QC in charge/appropriate authority.	
	PC11. Take up the results of the findings within stipulated time	
	PC12. Record of results of action taken PC13. Record adjustments not covered by established procedures for future	
	reference	
	PC14. Review effectiveness of action taken	
	PC15. Follow reporting procedures where the cause of defect cannot be identified	
Knowledge and Unders		
A. Organizational	KA1. Importance of learning proper procedures and techniques	
Context	KA2. Implications of not following the organizational requirement for approval for	
(Knowledge of the	undertaking the specific task	
company /	KA3. Importance of completing the activities as per the schedule	
organization and	KA4. Implications of not following the defined procedures/work instructions	
its processes)	KA5. Importance of team work	
	KA6. Health, Safety and Environment guidelines, legislation and regulations as	
	applicable	
	KA7. Actions to be taken in case of non-conformity to behavioral standards of the	
	organization	
	KA8. Impact of poor practices on the individual's and organization's performance	
	KA9. Importance of optimal utilization of resources	
	KA10. Importance of providing feedback for improvement	
	KA10. Importance of providing feedback for improvement KA11. Importance of indigenous knowledge for evolving/adopting operation specific	







National Occupational Standards Carry Out Quality Checks

RSC/N5003	Carry Out Quality Checks Transforming the skill landscap	e
	practices KA12. Rectification/solution of problems/conflicts for the smooth functioning of the organization	e
	KA13. Importance of documentation/reporting as per guidelines and procedures	
	KA14. Knowledge of do's and don'ts (company's HR instructions)	
	KA15. Importance of attending trouble shooting	
	KA16. Importance of subject learning/training	
	KA17. Importance of Product and its application	
B. Technical	The user/individual on the job needs to know and understand:	
Knowledge	<ul> <li>KB1. The importance of quality control procedures</li> <li>KB2. Relevance and importance of activities and how they contribute to the achievement of the quality objectives,</li> <li>KB3. Proper procedure for selecting the material/product and performing quality</li> </ul>	
	checks without affecting the material	
	KB4. Availability of work instructions, as necessary,	
	KB5. Characteristics of the product/material	
	KB6. Use of suitable equipment	
	KB7. Availability and use of monitoring and measuring devices,	
	KB8. Requirements of records	
	KB9. Importance of maintaining accurate up-to-date records KB10. The need to report within the stipulated time	
	KB10. Implications of inaccurate measuring and testing instruments and equipmer	nt
	KB12. The cost of non-conformance to quality standards	it.
	KB13. Implications (impact on internal/external customers) of defective products,	
	materials or components	
Skills (S)		
A. Core Skills/	Writing Skills	
Generic Skills	The user/ individual on the job needs to know and understand how to:	
	SA1. Construct simple sentences and express ideas clearly through written	
	communication	
	SA2. Fill up appropriate technical forms, process charts, activity logs in required	
	format of the company	
	SA3. Write simple letters, mails, etc	
	SA4. Perform functional mathematical operations, including apply basic	
	mathematical principles, such as numbers and space, and techniques such as	c
	estimation and approximation, for practical purposes	2
	Reading Skills	
	SA5. Read and understand manuals, health and safety instructions, memos, repor	rts,
	job cards etc	
	SA6. Read images, graphs, diagrams	
	SA7. Understand the various coding systems as per company norms	
	Oral Communication	







SA8. Express statements, opinions or information clearly so that others can hear and understand
and understand
SA9. Respond appropriately to any queries
SA10. Communicate with supervisor
SA11. Communicate with upstream and downstream teams
Life Skills
Integrity
SA12. Practice honesty with respect to company property and time
SA13. Communicate with people in a form and manner and using language that is open and respectful
SA14. Resolve any difficulties in relationships with colleagues , or get help from a
appropriate person, in a way that preserves goodwill and trust
Motivation
SA15. Take responsibility for completing one's own work assignment
SA16. Take initiative to enhance/learn skills in ones's area of work
SA17. The capacity to learn from experience in a range of settings and scenarios a
the capacity to reflect on and analyse one's learning.
SA18. Is open to new ways of doing things
SA19. The capacity to envisage and articulate personal goals; to develop strategie
and take action to achieve them.
Reliability
SA20. Avoid absenteeism
SA21. Act objectively, rather than impulsively or emotionally when faced with
difficult/stressful or emotional situations
SA22. Work in disciplined factory environment
SA23. Be punctual
SA25. De punctual
Professional Skills Decision Making
The individual needs to know and understand how to:
SB1. Take a decision for any change/issue based on earlier successes(documente
previous history)on similar issues
SB2. Work out changes in case a new improved machine/equipment is added in
process or any new material/chemical is developed replacing existing one.
SB3. Make changes in cycle time due to improved process.
SB4. Use the standard operating procedure or trouble shooting manuals for trou
shooting and other reference documents approved by plant management
SB5. Consult the peer group and superiors to arrive at a favourable decision.
SB6. Use of standard available problem solving techniques for decision making
SB7. Review and analyze the process steps to check on system non adherence a
non conformity
SB8. Review the current SOP and other standards for continuous improvement t







RSC/N5003	Carry Out Quality Checks	Transforming the skill landscape
	facilitate decision making	
	SB9. Take a calculated risk with minimum losses	
	Plan and Organize	
	SB10. Plan and organize the factors of production to exect	ute the business plan
	SB11. Fix up tasks and allotment of the same	
	SB12. Assign tasks to suitable persons	
	SB13. Motivate them for better output and time bound co	ompletion of tasks
	Customer Centricity	
	SB14. Match customer needs/specification by adjusting th (interact with customer in case any clarification req	
	SB15. Ensure that performance of his action/operation/ac divergence from the specified quality of the final pr	ctivity does not lead to any
	customer. SB16. Complete the assigned task in timely manner so tha delivered in the timeline given by the customer.	at the final product is
	SB17. Communicate effectively to the superior/customer the clients.	for any delay in supplies to
	SB18. Work towards fulfilling the customers requirement SB19. In case of any complaint, ensure its timely resolutio	
	emanating at his level	10.2
	SB20. Communicate effectively to the superior/customer the problem faced by the customer.	for any delay in resolving
	SB21. Maintain good/cordial relation with customers.	1. m. /
	SB22. Work on the feedback received from customer rega	arding the product.
	Problem Solving	
	SB23. Interpret quality for sheet	
	SB24. Suggest improvements(if any) in process/product/n	naterials based on results
	and experience	
	Analytical Thinking	
	SB25. Proper collection of waste material	
	SB26. Identify defects in the material and communicate it	at the earliest and suggest
	improvements(if any) in process/material based on	experience
	Critical Thinking	
	SB27. Seek clarification on problems from others	
	SB28. Apply problem-solving approaches in different situa	ations
	SB29. Refer anomalies to the line manager	





## **NOS Version Control**

NOS Code	RSC/N5003		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	24/02/13
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021



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## National Occupational Standard



**Overview** 

This unit is about problem identification and escalation







Unit Code RSC/N5004

Unit Code	RSC/N5004			
Unit Title	Correction identification and occulation			
(Task)	Carry out problem identification and escalation			
Description	This unit is about problem identification and escalation			
Scope	<ul> <li>This unit/task covers the following:</li> <li>Identify problems across: <ul> <li>Raw materials</li> <li>Compounds</li> <li>Product</li> <li>Equipment</li> <li>Others</li> </ul> </li> <li>Identify solutions to problems and take corrective action</li> <li>Escalation of unresolved identified problems</li> </ul>			
Performance Criteria (F	PC) w.r.t. the Scope			
Element	Performance Criteria			
Problem Identification	<ul> <li>To be competent, the user/individual on the job must be able to:</li> <li>PC1. Identify defects/indicators of problems</li> <li>PC2. Identify any wrong practices that may lead to problems</li> <li>PC3. Identify practices that may impact the final product quality</li> <li>PC4. Identify if the problem has occurred before</li> <li>PC5. Identify other operations that might be impacted by the problem</li> <li>PC6. Ensure that no delays are caused as a result of failure to escalate problems</li> </ul>			
Necessary Action	<ul> <li>PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)</li> <li>PC8. Consider possible reasons for identification of problems</li> <li>PC9. Consider applicable corrections and formulate corrective action</li> <li>PC10. Formulate action in a timely manner</li> <li>PC11. Communicate problem/remedial action to appropriate parties</li> <li>PC12. Take corrective action for problems identified according to the company procedure</li> <li>PC14. Report/document problem and corrective action in an appropriate manner</li> <li>PC15. Monitor corrective action</li> <li>PC16. Evaluate implementation of corrective action taken to determine if the problem has been resolved</li> <li>PC17. Ensure that correct solution is identified to an identified problem</li> <li>PC18. Ensure that correct solution is identified to an identified problem</li> <li>PC19. Take corrective action for problems identified according to the company procedure</li> <li>PC16. Evaluate implementation of corrective action taken to determine if the problem has been resolved</li> <li>PC17. Ensure that correct solution is identified to an identified problem</li> <li>PC19. Take corrective action for problems identified according to the company procedures</li> <li>PC20. Ensure that no delays are caused as a result of failure to take necessary action</li> </ul>			
Problem Escalation Knowledge and Unders	<ul> <li>PC21. Escalate problem as per laid down escalation matrix</li> <li>PC22. Escalate the problem within stipulated time</li> <li>PC23. Escalate the problem in an appropriate manner</li> <li>PC24. Ensure that no delays are caused as a result of failure to escalate problems</li> <li>standing (K)</li> </ul>			







	-	
A. Organizational	KA1. Importance of learning proper procedures and techniques	
Context	KA2. Implications of not following the organizational requirement for approval for	
(Knowledge of the	undertaking the specific task	
company /	KA3. Importance of completing the activities as per the schedule	
organization and	KA4. Implications of not following the defined procedures/work instructions	
its processes)	KA5. Importance of team work	
	KA6. Health, Safety and Environment guidelines, legislation and regulations as	
	applicable	
	KA7. Actions to be taken in case of non-conformity to behavioral standards of the	
	organization	
	KA8. Impact of poor practices on the individual's and organization's performance	
	KA9. Importance of optimal utilization of resources	
	KA10. Importance of providing feedback for improvement	
	KA11. Importance of indigenous knowledge for evolving/adopting operation specific	
	practices	
	KA12. Rectification/solution of problems/conflicts for the smooth functioning of the	
	organization	
	KA13. Importance of documentation/reporting as per guidelines and procedures	
	KA14. Knowledge of do's and don'ts (company's HR instructions)	
	KA15. Importance of attending trouble shooting	
	KA16. Importance of subject learning/ training	
	KA17. Importance of Product and its application	
B. Technical	The user/individual on the job needs to know and understand:	
Knowledge	KB1. Indicators of problems	
Knowledge	KB2. The working of the equipment and accessories( if applicable)	
	KB3. The impact of operations on the user and equipment( if applicable)	
	KB4. The impact of operations on the final product ( if applicable)	
	KB5. The effect of not rectifying the problems identified	
	KB6. The reason for the occurrence of previous problems	
	<ul><li>KB7. Measures and steps that have been taken to address the previous problems</li><li>KB8. Possible solutions for various problems</li></ul>	
	KB9. The correct method for carrying out corrective actions outlined for each	
	problem	
	KB10. The impact of not carrying out the corrective actions	
	KB11. The documentation procedure for recording such problems, as per company	
	norms	
	KB12. The escalation matrix for reporting problems	
	KB13. Escalation matrix for reporting unresolved problems	
	KB14. The time frame within which in which each problem needs to be escalated KB15. Manner in which each problem needs to be escalated	
Skills (S)		
	Writing Skills	
A. Core Skills/		
Generic Skills	The user/individual on the job needs to know and understand how to:	
	SA1. Construct simple sentences and express ideas clearly through written	







	communication
	SA2. Fill up appropriate technical forms, process charts, activity logs in required
	format of the company
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	SA8. Express statements, opinions or information clearly so that others can hear
	and understand
	SA9. Respond appropriately to any queries
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	SA11. Communicate with upstream and downstream teams
	Life Skills
	Integrity
	SA12. Practice honesty with respect to company property and time
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	open and respectful
	SA14. Resolve any difficulties in relationships with colleagues , or get help from an
	appropriate person, in a way that preserves goodwill and trust
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	the capacity to reflect on and analyse one's learning.
	SA18. Is open to new ways of doing things
	SA19. The capacity to envisage and articulate personal goals; to develop strategies
	and take action to achieve them.
	Reliability
	SA20. Avoid absenteeism
	SA21. Act objectively , rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA22. Work in disciplined factory environment
	SA23. Be punctual
B. Professional Skills	Decision Making







The indi	vidual needs to know and understand how to:
	Take a decision for any change/issue based on earlier successes(documented
	previous history)on similar issues
	Work out changes in case a new improved machine/equipment is added in the
	process or any new material/chemical is developed replacing existing one.
	Make changes in cycle time due to improved process.
	Use the standard operating procedure or trouble shooting manuals for trouble
	shooting and other reference documents approved by plant management
	Consult the peer group and superiors to arrive at a favourable decision.
	Use of standard available problem solving techniques for decision making
	Review and analyze the process steps to check on system non adherence and
	non conformity
	Review the current SOP and other standards for continuous improvement to
	facilitate decision making
SB9.	Take a calculated risk with minimum losses
Plan an	d Organize
	Plan and organize the factors of production to execute the business plan
	Fix up tasks and allotment of the same
	Assign tasks to suitable persons
SB13.	Motivate them for better output and time bound completion of tasks
Custom	er Centricity
SB14.	Match customer needs/specification by adjusting the processing conditions
	(interact with customer in case any clarification required)
SB15.	Ensure that performance of his action/operation/activity does not lead to any
	divergence from the specified quality of the final product as required by the
	customer.
	Complete the assigned task in timely manner so that the final product is
	delivered in the timeline given by the customer.
	Communicate effectively to the superior/customer for any delay in supplies to
	the clients.
	Work towards fulfilling the customers requirement as per their demand.
	In case of any complaint, ensure its timely resolution if the problem is
	emanating at his level
	Communicate effectively to the superior/customer for any delay in resolving
	the problem faced by the customer.
	Maintain good/cordial relation with customers.
	Work on the feedback received from customer regarding the product.
ropien	n Solving







	SB23. Interpret quality for sheet
	SB24. Suggest improvements(if any) in process/product/materials based on results
and experience	
	Analytical Thinking
	SB25. Proper collection of waste material
	SB26. Identify defects in the material and communicate it at the earliest and suggest
	improvements(if any) in process/material based on experience
	Critical Thinking
	SB27. Seek clarification on problems from others
	SB28. Apply problem-solving approaches in different situations
	SB29. Refer anomalies to the line manager









## **NOS Version Control**

NOS Code	RSC/N5004		
Credits(NSQF)	TBD	Version number	2.0
Industry	Rubber Manufacturing	Drafted on	04/06/2013
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021



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## National Occupational Standard



**Overview** 

This unit is about health & safety





Carry Out Health & Safety



Unit Code	RSC/N5007	
Unit Title	Carry Out Health & Safety	
(Task) Description	This unit is about maintaining health and safety of self and others at workplace.	
Scope	This unit/task covers the following:	
	Maintain a clean and efficient workplace	
	Render appropriate emergency procedures	
	Maintain standard safety procedures at the workplace	
	Participate in safety awareness campaigns	
	Understand potential sources of accidents	
	<ul> <li>Use safety gears to avoid accidents</li> </ul>	
Performance Criteria (P	C)	
Maintain a clean and	To be competent, the individual on the job must be able to:	
efficient workplace		
	PC1. Undertake basic safety checks before operation of all machinery and	
	equipment and report hazards to the appropriate supervisor	
	PC2. Identify the work for which protective clothing or equipment is required and	
	the appropriate protective clothing or equipment is used in performing these	
	duties in accordance with workplace policy.	
	PC3. Read and understand the hazards of use and contamination mentioned on the	
	labels of chemicals, utilities etc	
	PC4. Assess the risk prior to performing manual handling jobs and work is carried	
	out according to currently recommended safe practices.	
	PC5. Use equipment and materials safely and correctly and return the same to designated storage when not in use	
	PC6. Dispose off waste safely and correctly in a designated area	
	PC7. Recognize the risk to bystanders and take action to reduce risk associated with	
	jobs in the workplace	
	PC8. Perform work in a manner which minimizes environmental damage	
	PC9. Monitor closely all procedures and work instructions for controlling risk	
	PC10. Report any accidents, incidents or problems without delay to an appropriate	
	person and take immediate necessary action to reduce further danger.	
	PC11. Follow procedures for dealing with accidents, fires and emergencies, including	
	communicating location and directions to emergency.	
	PC12. Follow emergency procedures as per company standards and workplace	
Render appropriate	requirements.	
emergency	PC13. Use Emergency equipment in accordance with manufacturers' specifications	
procedures	and workplace requirements.	
	PC14. Provide treatment appropriate to the patient's injuries in accordance with	
	recognized first aid techniques.	
	PC15. Recover (if practical), clean, inspect/test, refurbish, replace and store the first	







# Instant Decupational Standards SC/N5007 Carry Out Health & Safety aid equipment as appropriate PC16. Dispose off medical waste in a

	aid equipment as appropriate
	PC16. Dispose off medical waste in accordance with workplace requirements
	PC17. Report details of first aid administered in accordance with work place
	procedures.
Maintain standard	PC18. Comply with general safety procedures
safety procedures at	PC19. Follow standard safety procedures while handling equipment, hazardous
the workplace	material or tool
	PC20. Check parts of the workplace and take preventive actions like spraying and
	other steps to protect from leakages, water logging, pests, fire, pollution, etc.
	PC21. Ensure no accidents and damages at the workplace, reporting of any breach of
	company safety procedure
	PC22. Keep the workplace organized, swept, clean and hazard free
Participate in safety	PC23. Attend fire drills and other safety related workshops organized at the
awareness campaigns	workplace
	PC24. Awareness about first aid, evacuation and emergency procedures
	PC25. Ensuring all safety procedures are followed without neglecting any event
Understand potential	PC26. Avoid accidents while using hazardous chemicals, machines, sharp tools and
sources of accidents	equipment
Use safety gears to	PC27. Use safety materials such as protective gear, goggles, caps, shoes, etc. (as
avoid accidents	applicable with workplace)
	PC28. Handle heavy and hazardous materials with care and using appropriate
	tools and handling equipment such as trolleys, ladders
Knowledge and Underst	tanding (K)
	The individual on the job needs to know and understand:
A. Organizational	
context	KA1. Policies on incentives, delivery standards, and personnel management.
	KA2. Occupational safety and health policy followed
	KA3. Emergency evacuation procedure
	KA4. Medical Policy
	KA5. Company laws and acts
	The individual on the job needs to know and understand:
	KB1. The risks to health and safety and the measures to be taken to control those
B. Technical	risks in the area of work
knowledge	KB2. Workplace procedures and requirements for the handling of workplace
knowledge	KB2. Workplace procedures and requirements for the handling of workplace injuries/illnesses.
ĸnowiedge	
knowiedge	injuries/illnesses.
ĸnowiedge	injuries/illnesses. KB3. Basic emergency first aid procedure
ĸnowiedge	injuries/illnesses. KB3. Basic emergency first aid procedure KB4. Local emergency services







RUBBER SKILL DEVELOPMENT COUNCIL	National Occupational Standards	/ Corporation
RSC/N5007	Carry Out Health & Safety	Transforming the skill landscape
	KB8. Use of hazardous materials, tools and equipments	
	KB9. Emergency evacuation and first aid procedures to	o be followed
	KB10. Personal hygiene and fitness requirements	
	KB11. General duties under the relevant health and safe	ty legislation
	KB12. What personal protective equipment and clothing	should be worn and how it
	is cared for	
	KB13. The correct and safe way to use materials and equ	uipment required for work
	KB14. The importance of good housekeeping in the work	kplace
	KB15. Safe disposal methods for waste	
	KB16. Methods for minimizing environmental damage d	uring work
Skills (S)		
A. Core Skills/ Generic	Writing Skills	
Skills	The individual on the job needs to know and understand h	now to:
	SA1. Record data which are required for record keeping	g purpose
	SA2. Report problems to the appropriate person in a til	mely manner
	SA3. Write descriptions and details about incidents in r	reports
	Reading Skills	
	SA4. Read instruction manuals for hand tools and equip	oment
	SA5. Read instructions on work orders and procedures	
	Oral Communication	
	SA6. Receive instructions and seek advice from superio	irs
	SA7. Communicate clearly and effectively with others	
		1
B. Professional Skills	Decision Making	
	To be competent, the individual must be able to:	
	SB1. Take a decision for any change/issue based on ear	rlier successes(documented
	previous history)on similar issues	
	SB2. Work out changes in case a new improved machin	ne/equipment is added in the
	process or any new material/chemical is develope	ed replacing existing one.
	SB3. Make changes in cycle time due to improved proc	ess.
	SB4. Use the standard operating procedure or trouble s	shooting manuals for trouble
	shooting and other reference documents approve	d by plant management
	SB5. Consult the peer group and superiors to arrive at a	a favourable decision.
	SB6. Use of standard available problem solving techniq	
	SB7. Review and analyze the process steps to check on	-
	non conformity	,
	SB8. Review the current SOP and other standards for co	ontinuous improvement to
	facilitate decision making	
	SB9. Take a calculated risk with minimum losses	
	Plan and Organize	
	SB10. Schedule daily activities and drawing up priorities,	: allocate start times
	3510. Schedule daily activities and drawing up priorities	, anotate start times,





#### Carry Out Health & Safety



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	estimation of completion times and materials, equipment and assistance
	required for completion.
	Customer Centricity
	SB11. Match customer needs/specification by adjusting the processing conditions
	(interact with customer in case any clarification required)
	SB12. Ensure that performance of his action/operation/activity does not lead to any
	divergence from the specified quality of the final product as required by the customer.
	SB13. Complete the assigned task in timely manner so that the final product is delivered in the timeline given by the customer.
	SB14. Communicate effectively to the superior/customer for any delay in supplies to the clients.
	SB15. Work towards fulfilling the customers requirement as per their demand.
	SB16. In case of any complaint, ensure its timely resolution if the problem is
	emanating at his level
	SB17. Communicate effectively to the superior/customer for any delay in resolving
	the problem faced by the customer.
	SB18. Maintain good/cordial relation with customers.
	SB19. Work on the feedback received from customer regarding the product.
	Problem Solving
	SB20. Use first aid treatment in case of any injury/accident.
	Analytical Thinking
	SB21. Monitor and maintain the condition of tools and equipment
	SB22. Assess situation & identify appropriate control measures
	Critical Thinking
	SB23. Act, communicate and report in emergency situation





## **NOS Version Control**

NOS Code	RSC/N5007		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	27/02/17
Industry Sub-sector	Tyre	Last reviewed on	23/08/2017
Occupation	Calendering	Next review date	23/08/2021

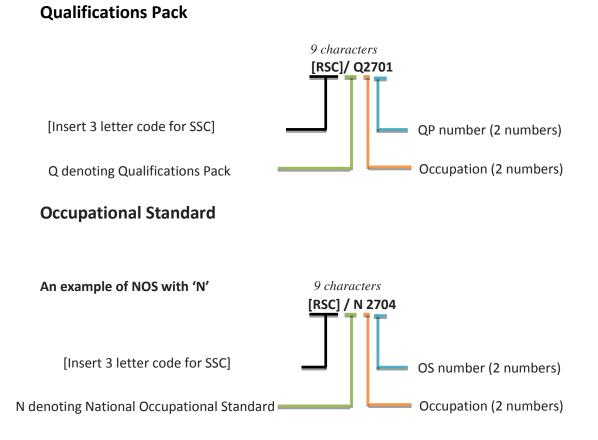






### **Annexure**

#### Nomenclature for QP and NOS



#### Back to top...





The following acronyms/codes have been used in the nomenclature above:

Sub-sector	Range of Occupation numbers
Latex	02-34
Non-tyre	12-12
Rubber Manufacturing	28-28
Туге	02-36
Tyre & Non -Tyre	01-37

Sequence	Description	Example
Three letters	Industry name	[RSC]
Slash	/	/
Next letter	Whether <b>Q</b> P or NOS	N
Next two numbers	Occupation code	27
Next two numbers	OS number	01





#### **Criteria For Assessment Of Trainees**

#### <u>Job Role:</u> Rubber Calendering Operator <u>Qualification Pack Code:</u> RSC/Q2701 <u>Sector Skill Council:</u> Rubber Skill Development 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 and Skills Practical for each PC.

2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.

3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.

4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).

5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.

6. To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.

7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Total Marks: 700	Compulsory NOS			Ma Alloc	rks ation
Assessment outcomes	Assessment Criteria for outcomes	Tota I Mar ks	Out Of	Theor y	Skills Practi cal
	PC1. Ensure emergency safety feature of machine is working		3	0	3
	PC2. Ensure that the bowls /Rolls of the Calender and the heating and cooling cans/rolls are clean		6	3	3
RSC/N2704 Perform Pre	PC3. Set parameters for the upstream and downstream equipment as per SOP		7	5	2
	PC4. Check functioning of calendering temperature control unit (steam/ thermic fluid / cooling water flow circulation)	100	7	4	3
Rubber	PC5. Switch on the TCU for the system which heats up the rolls	100	8	5	3
Calendering	PC6. Check nip gaps and temperature are set as per requirement.		8	5	3
Activities	PC7. Select the liner of appropriate width and length		8	5	3
	PC8. Ensure the liners are rerolled uniformly before starting the process	]	7	4	3
	PC9. Ensure there should not be any spillage of oil / grease on the bowls/rolls of the Calender and the surrounding area		7	4	3
	PC10. Check fabric tensioner/s are performing OK		6	4	2





*	N·S·D·C National Skill Development Corporation
Transform	ing the skill landscape

Qualifications Pack For Rubber Calendering Operator	

	PC11. Ensure that rubber compound to be fed is approved by laboratory		6	2	4
	PC12. Check the compound, cord fabric/steel cord codes are as per specification issued by plant technical SOP and if it matches with the schedule provided by planning. Specification /sop is the one to be considered as OK.		7	5	2
	PC13. Ensure that the guards are provided where manual feeding is done on to the Calender rolls.		6	2	4
	PC14. Ensure loose gloves are not worn while feeding rubber to the Calender roll		6	4	2
	PC15. Adhere to all safety norms (like wearing protective gloves, shoes etc)		4	4	0
	PC16. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational standards		4	4	0
	Total		100	60	40
	PC1. Handle the rubber compound to avoid contamination		4	3	1
	PC2. Ensure that batch size of rubber compound is as per company's SOP		5	4	1
	PC3. Ensure the compound lab OK status before starting of the process		1	0	1
	PC4. Ensure use of appropriate liner		3	2	1
	PC5. Ensure the liners are re rolled uniformly before starting of the process		1	0	1
	PC6. Ensure the t liner which is free of contamination		1	0	1
	PC7. Select the correct compound		4	2	2
	PC8. Feed the correct quantity to the Calender rolls		4	2	2
	PC9. Ensure the film thickness as per specifications		4	2	2
DCC (N2705	PC10. Visually inspect the rubber strip to make sure it is free from defects and meets required specifications for further processing.		3	2	1
RSC/N2705 Perform Calendering Operation Using	PC11. Organize compound at feed system (cracker mill/ warm up mill/ feed mill) through overhead conveyor to the nip of 1st & 2nd Rolls of the Calender.	100	3	1	2
3 Roll/ 4 Roll Calender	PC12. Pass the compound through 2 <sup>nd</sup> nip of the rolls for compound sheet production		4	2	2
calender	PC13. Check circular samples from both edges (10 cm. from edge) for proper compound film thickness		3	2	1
	PC14. Produce product of correct width, thickness and texture		2	1	1
	PC15. Ensure the functioning of pricker rollers		2	0	2
	PC16. Ensure that the calendered sheet is free of contamination		2	0	2
	PC17. Plan batch sequence in shifts based on raw material ( Compound and cord fabric ) availability/rejection to maximize output		3	1	2
	PC18.Select the correct compound		4	1	3
	PC19. Set the feed strip for correct continuous feed to the Calender nip.		4	1	3
	PC20. Visually inspect the rubber compound to make sure it is free from contamination.		3	1	2
	PC21.Visually inspect the fabric to make sure it is free from defects		3	1	2





	Qualifications Fack for Rubber Calendering Operato	//			
	& dry				
	PC22. Maintain the temperature of all rolls and the line speed as per SOP		3	1	2
	PC23. Ensure that the direction of fabric has been changed for both sided coating ( in two pass three roll Calender )		1	0	1
	PC24. Produce sheet of correct width, thickness Ensure that the calendered sheet is free from contamination		1	0	1
	PC25. Ensure that material wastage is within tolerance limits		1	0	1
	PC26. Ensure that no rework or rejection is generated.		4	2	2
	PC27. Match the quality of output to company's product requirements		3	2	1
	PC28. Meet production quantity targets set for the operation		2	1	1
	PC29. Follow work instructions as laid down by the company		2	1	1
	PC30. Maintain safe distance while machine is in operation		4	3	1
	PC31. Ensure housekeeping in Calendering area		4	3	1
	PC32. Ensure that the feed rolls are provided with a guard to protect hand/fingers going in between rolls		1	0	1
	PC33. Ensure the functioning of safety button / safety bar in all mills (Cracker/ Warming and feeding mill)		1	0	1
	PC34. Use the protective gloves to handle the hot rolls/compounds		4	3	1
	PC35. Adhere to all safety norms (like wearing protective gloves, mask, shoes, safety goggles etc)		3	3	0
	PC36. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national standards or organizational SOP		3	3	0
	Total		100	50	50
	PC1.Ensure that the correct liner is used and is clean and batched off on right size roll		5	2	3
	PC2.Ensure that the liners are ironed and rerolled before starting the process		5	2	3
	PC3. Roll the calendered sheet on the liner at the winding station		5	2	3
	PC4. Ensure that the wind up temperature of the calendered gum /coated fabric are as per SOP to avoid loss tack or stuck to libner problems		5	2	3
_	PC5. Ensure the storage are free to load the processed fabric		5	2	3
RSC/N2706 Perform Post	PC6. Pack the calendered roll properly and store it in the designated area	100	5	2	3
Rubber Calendering	PC7. Ensure the storage condition and FIFO while storage of the processed fabric		3	0	3
activities	PC8. Ensure the provision of proper identification system on the processed fabric rolls at storage		3	0	3
	PC9. Ensure the film thickness as per specifications		5	2	3
	PC10. Operate online marking(coated fabric identification) system for product identification		5	2	3
	PC11. Follow work instructions as laid down by the company		5	2	3
	PC12. Handover the equipment to the next operator in clean and good condition		5	2	3
	PC13. Dispose waste material in safe manner as per organizational	1	6	4	2





	SOP			
	PC14. Carry out batch marking for the right product as per instructions laid down by the company (in terms of weight, length, colour etc).		5	4
	PC15. Make the samples as per the sampling frequency as per organizational SOP		5	3
	PC16. Send the Calendered fabric full width sample to lab for testing with proper identification like Calender roll #, Size code and production date with time.		5	3
	PC17. Identify the location in the sample like Panel board side, middle side and rotary joint side for better understanding and ensure the dispersion of the material in the product while testing		5	3
	PC18. Send the remaining material to the designated storage area		5	3
	PC19. Ensure housekeeping in Calendering area		3	2
	PC20. Ensure that the feed rolls are provided with a guard to protect hand/finger going in between rolls		3	2
	PC21. Ensure that the direct exposure of the calendered sheet to the skin is minimized		3	2
	PC22. Adhere to all safety norms (like wearing protective gloves, mask, shoes, safety goggles etc)		2	2
	PC23. Comply with health, safety, environment guidelines, regulations etc in accordance with international/national		2	2
	standards or organizational Total		100	50
	PC1. Inspect the area while taking into account various surfaces		3	3
	PC2. Ensure NO uncovered fabric is left on the unit		0	0
			-	
	PC3. Ensure the calenders and the mills are free of any compound.		0	0
			0	0
	compound. PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated			
RSC/N5001	compound. PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets PC5. Identify the material requirements for cleaning the areas		0	0
Carry out housekeeping in rubber product	compound. PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain PC6. Ensure that the cleaning equipment is in proper working	100	0	0
Carry out housekeeping in	compound. PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain PC6. Ensure that the cleaning equipment is in proper working condition PC7. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and	100	0 3 3	0 3 3
Carry out housekeeping in rubber product	<ul> <li>compound.</li> <li>PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets</li> <li>PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain</li> <li>PC6. Ensure that the cleaning equipment is in proper working condition</li> <li>PC7. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person</li> <li>PC8. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces</li> </ul>	100	0 3 3 3	0 3 3 3 3
Carry out housekeeping in rubber product	<ul> <li>compound.</li> <li>PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets</li> <li>PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain</li> <li>PC6. Ensure that the cleaning equipment is in proper working condition</li> <li>PC7. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person</li> <li>PC8. Plan the sequence for cleaning the area to avoid re-soiling</li> </ul>	100	0 3 3 3 3 3	0 3 3 3 3 3
Carry out housekeeping in rubber product	<ul> <li>compound.</li> <li>PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets</li> <li>PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain</li> <li>PC6. Ensure that the cleaning equipment is in proper working condition</li> <li>PC7. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person</li> <li>PC8. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces</li> <li>PC9. Inform the affected people about the cleaning activity</li> <li>PC10. Display the appropriate signage for the work being</li> </ul>	100	0 3 3 3 3 3 2	0 3 3 3 3 3 2
Carry out housekeeping in rubber product	<ul> <li>compound.</li> <li>PC4. Ensure all rubber tailings on mills /mill guides/ Calender rolls are removed and placed at appropriate designated bins/skids/pallets</li> <li>PC5. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain</li> <li>PC6. Ensure that the cleaning equipment is in proper working condition</li> <li>PC7. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person</li> <li>PC8. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces</li> <li>PC9. Inform the affected people about the cleaning activity</li> <li>PC10. Display the appropriate signage for the work being conducted</li> <li>PC11. Ensure that there is adequate ventilation for the work being</li> </ul>	100	0 3 3 3 3 3 2 3	0 3 3 3 3 2 3





1		1	l .	1	1
	PC14. Carry out cleaning activity without disturbing others		3	3	0
	PC15. Deal with accidental damage, if any, caused while carrying out the work		3	3	0
	PC16. Report to the appropriate person any difficulties in carrying out your work		3	3	0
	PC17. Identify and report to the appropriate person any additional cleaning required that is outside one's responsibility or skill		3	3	0
	PC18. Ensure that there is no oily substance on the floor to avoid		9	3	6
	slippage PC19. Ensure that no scrap material is lying around		9	3	6
	· · · · ·		3	3	0
	PC20. Maintain and store housekeeping equipment and supplies PC21. Follow workplace procedures to deal with any accidental		5	5	0
	damage caused during the cleaning process		3	3	0
	PC22. Ensure that, on completion of the work, the area is left clean and dry and meets requirements		8	2	6
	PC23. Return the equipment, materials and personal protective equipment that were used to the right places making sure they are clean, safe and securely stored		3	3	0
	PC24. Dispose the waste garnered from the activity in an appropriate manner		9	3	6
	PC25. Dispose of used and un-used solutions according to manufacturer's instructions, and clean the equipment thoroughly		9	3	6
	PC26. Maintain schedules and records for housekeeping duty		3	3	0
	PC27. Replenish any necessary supplies or consumables		3	3	0
	Total		100	70	30
	PC1. Report data/problems/incidents as applicable in a timely manner		12	8	4
	PC1. Report data/problems/incidents as applicable in a timely				
	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> </ul>		12	8	4
	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> </ul>		12 12	8 8	4
	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> </ul>		12 12 12 10	8 8 8 6	4 4 4 4
RSC/N5002 Carry Out	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according</li> </ul>	100	12 12 12	8 8 8	4 4 4
	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments</li> </ul>	100	12 12 12 10 16	8 8 8 6 6	4 4 4 4 10
Carry Out Reporting And	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate</li> </ul>	100	12 12 12 10 16 14	8 8 8 6 6 4	4 4 4 4 10 10
Carry Out Reporting And	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate</li> </ul>	100	12 12 10 16 14 6	8 8 6 6 4 4	4 4 4 10 10 2
Carry Out Reporting And	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information</li> </ul>	100	12 12 10 16 14 6 6	8 8 6 6 4 4 4	4 4 4 10 10 2 2
Carry Out Reporting And	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> </ul>	100	12 12 10 16 14 6 6 6 6	8 8 6 6 4 4 4 4 6 6	4 4 4 10 10 2 2 0 0
Carry Out Reporting And	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> <li>Total</li> </ul>	100	12 12 10 16 14 6 6 6 6 100	8 8 6 6 4 4 4 6	4 4 4 10 10 2 2 0 0 0 40
Carry Out Reporting And Documentation	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> <li>PC1. Ensure that total range of checks are regularly and</li> </ul>		12 12 10 16 14 6 6 6 6	8 8 6 6 4 4 4 4 6 6	4 4 4 10 10 2 2 0 0
Carry Out Reporting And Documentation RSC/N5003 Carry Out Quality	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC1. Inform the appropriate authority of requests for information received</li> <li>Total</li> <li>PC2. Use appropriate measuring instruments, equipment, tools,</li> </ul>	100	12 12 10 16 14 6 6 6 6 100	8 8 6 6 4 4 4 4 6 6 6 6	4 4 4 10 10 2 2 0 0 0 40
Carry Out Reporting And Documentation	<ul> <li>PC1. Report data/problems/incidents as applicable in a timely manner</li> <li>PC2. Report to the appropriate authority as laid down by the company</li> <li>PC3. Follow reporting procedures as prescribed by the company</li> <li>PC4. Identify documentation to be completed relating to one's role</li> <li>PC5. Record details accurately an appropriate format</li> <li>PC6. Complete all documentation within stipulated time according to company procedure</li> <li>PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly</li> <li>PC8. Make sure documents are available to all appropriate authorities to inspect</li> <li>PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures</li> <li>PC10. Inform the appropriate authority of requests for information received</li> <li>Total</li> <li>PC1. Ensure that total range of checks are regularly and consistently performed</li> </ul>		12 12 10 16 14 6 6 6 6 6 100 24	8 8 6 6 4 4 4 4 6 6 6 6 6 0 10	4 4 4 10 10 2 2 2 0 0 0 40 14





	PC4. Identify potential causes of non-conformities to quality assurance standards		5	3	2
	PC5. Identify impact on final product due to non-conformance to company standards		5	3	2
	PC6. Evaluating the need for action to ensure that problems do not recur		6	4	2
	PC7. Suggest corrective action to address problem		5	3	2
	PC8. Review effectiveness of corrective action		5	3	2
	PC9. Interpret the results of the quality check correctly		4	4	0
	PC10. Take up results of the findings with QC in charge/appropriate authority.		3	3	0
	PC11. Take up the results of the findings within stipulated time		3	3	0
	PC12. Record of results of action taken		3	3	0
	PC13. Record adjustments not covered by established procedures for future reference		3	3	0
	PC14. Review effectiveness of action taken		2	2	0
	PC15. Follow reporting procedures where the cause of defect cannot be identified		2	2	0
	Total		100	60	40
	PC1. Identify defects/indicators of problems		7	4	3
	PC2. Identify any wrong practices that may lead to problems		6	3	3
	PC3. Identify practices that may impact the final product quality		6	3	3
	PC4. Identify if the problem has occurred before	100	5	3	2
	PC5. Identify other operations that might be impacted by the problem		6	4	2
	PC6. Ensure that no delays are caused as a result of failure to escalate problems		5	3	2
	PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)		8	5	3
	PC8. Consider possible reasons for identification of problems		8	5	3
RSC/N5004 Carry Out Problem	PC9. Consider applicable corrections and formulate corrective action		3	3	0
Identification	PC10. Formulate action in a timely manner		3	3	0
And Escalation	PC11. Communicate problem/remedial action to appropriate parties		7	5	2
	PC12. Take corrective action in a timely manner		2	2	0
	PC13. Take corrective action for problems identified according to the company procedures		2	2	0
	PC14. Report/document problem and corrective action in an appropriate manner		8	5	3
	PC15. Monitor corrective action		2	2	0
	PC16. Evaluate implementation of corrective action taken to determine if the problem has been resolved	-	2	2	0
	PC17. Ensure that corrective action selected is viable and practical		2	2	0
	PC18. Ensure that correct solution is identified to an identified problem		2	2	0





	Qualifications rack for habber calendering operate				
	PC19. Take corrective action for problems identified according to the company procedures		1	1	0
	PC20. Ensure that no delays are caused as a result of failure to take necessary action		1	1	0
	PC21. Escalate problem as per laid down escalation matrix		4	3	1
	PC22. Escalate the problem within stipulated time		4	3	1
	PC23. Escalate the problem in an appropriate manner		3	2	1
	PC24. Ensure that no delays are caused as a result of failure to			2	
	escalate problems		3	2	1
	Total		100	70	30
	PC1. Undertake basic safety checks before operation of all machinery and equipment and report hazards to the appropriate supervisor		6	4	2
	PC2. Work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy.		6	4	2
	PC3. Read and understand the hazards of use and contamination mentioned on the labels of chemicals, utilities etc		0	0	0
	PC4. Prior to performing manual handling jobs, risk is assessed and work is carried out according to currently recommended safe practices.		6	4	2
	PC5. Use equipment and materials safely and correctly and return the same to designated storage when not in use		3	2	1
	PC6.Dispose off waste safely and correctly in a designated area		6	4	2
	PC7. Risks to bystanders are recognized and action taken to reduce risk associated with jobs in the workplace		0	0	0
	PC8. Perform work in a manner which minimizes environmental damage		0	0	0
	PC9. All procedures and work instructions for controlling risk are followed closely.	100	0	0	0
	PC10. Report any accidents, incidents or problems without delay to an appropriate person and take immediate necessary action to reduce further danger.		0	0	0
	PC11.Follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency.		6	4	2
	PC12.Follow emergency procedures as per company standards and workplace requirements.		8	5	3
	PC13.Use Emergency equipment in accordance with manufacturers' specifications and workplace requirements.		8	5	3
	PC14. Provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques.		0	0	0
	PC15. Recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate		0	0	0
	PC16. Dispose off medical waste in accordance with workplace requirements	]	0	0	0
RSC/N5007 Carry out health	PC17.Report details of first aid administered in accordance with work place procedures.	]	7	4	3
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Total	100	60	40
PC28. Handle heavy and hazardous materials with care and using appropriate tools and handling equipment such as trolleys, ladders	4	2	2
PC27.Use safety materials such as protective gear, goggles, caps, shoes, etc.(as applicable with workplace)	4	2	2
PC26. Avoid accidents while using hazardous chemicals, machines, sharp tools and equipment	4	2	2
PC25. Be alert of any events and do not be negligent to any safety procedures to be followed	0	0	0
PC24. Be aware of first aid, evacuation and emergency procedures	4	2	2
PC23. Attend fire drills and other safety related workshops organized at the workplace	4	2	2
PC22. Keep the workplace organized, swept, clean and hazard free	8	5	3
PC21. Ensure no accidents and damages at the workplace, reporting of any breach of company safety procedure	0	0	0
PC20. Check parts of the workplace and take preventive actions like spraying and other steps to protect from leakages, water logging, pests, fire, pollution, etc.	8	5	3
PC 19. Follow standard safety procedures while handling equipment, hazardous material or tool	0	0	0