





#### QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR RUBBER INDUSTRY

# What are Occupational Standards(OS)?

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

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#### Introduction

# **Qualifications Pack- Quality Control Inspector - Calendering**

**SECTOR: RUBBER INDUSTRY** 

SUB-SECTOR: 1. Tyre 2. Non Tyre

**OCCUPATION:** Calendering

REFERENCE ID: RSC/Q 0730

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

**Brief Job Description:** The Quality control Inspector- Calendering in this role is responsible for controlling the quality of the product during the calendering process.

**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.



#### Qualifications Pack For Quality control in Calendering





Qualifications Pack Code		RSC/ Q 0730		
Job Role	Quality control Inspector- Calendering			
Credits(NSQF)	TBD	Version number	1.0	
Sector	Rubber	Drafted on	04/06/13	
Sub-sector	Tyre and Non tyre	Last reviewed on	29/12/15	
Occupation	Calendering	Next review date	29/12/17	
NSQC Clearnace on	20/07/2015			

Job Role	Quality control Inspector- Calendering			
Role Description	Quality control Inspector- Calendering in this role is responsible for controlling the quality of the product during the calendering process.			
NSQF level	5			
Minimum Educational Qualifications*	Class XII			
Maximum Educational Qualifications*	Masters in Science			
Training (Suggested but not mandatory)	Internal training by company			
Minimum Job Entry Age	18 years			
Experience	Worked in the operation as a supervisor for 2-3 years			
Applicable National Occupational Standards (NOS)	Compulsory:  1. RSC/ N3001 (Control quality of the product produced by calendaring process)  2. RSC/N5001 (To carry out housekeeping)  3. RSC/ N5002 (To carry out reporting and documentation)  4. RSC/ N5003 (To carry out quality checks quality control)  5. RSC/ N5004 (To carry out problem estimation and escalation)  Optional:  6. NA			
Performance Criteria	As described in the relevant OS units			



#### Qualifications Pack For Quality control in Calendering





Keywords /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.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
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.
NOS	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualifications Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an 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.
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



#### **Overview**

This unit is about controlling quality of the product produced by calendering process







RSC/ N 3001						
Unit Code	RSC / N 3001					
Unit Title (Task)	Control quality of the product produced by calendering process					
Description	This unit is about controlling quality of the product produced by calendering process					
Scope	This unit/task covers the following:					
	Checks to be done before calendering operation					
	Checks to be done during the calendering operation					
	Checks to be done after completion of calendering process					
Performance Criteria (F	PC) w.r.t. the Scope					
Element	Criteria					
	To be competent, the user/individual on the job must be able to					
Prior to Calendering Operation	PC1. Check cleanliness of the upstream/ downstream equipment and the Calender PC2. Check whether correct compound is in place PC3. Check the calendaring parameters e.g speed / roll rpm, temperature, conveyor speed etc. set for calendaring					
	PC4. Visually inspect the liner, calendered rubber sheet for any blemish / surface defect					
During Calendering Operation	<ul> <li>PC5. Check steam / cooling water flow rate ( heating &amp; cooling drums and calender roll temperature control )</li> <li>PC6. Check calendered sheet gauge on the conveyor belt</li> <li>PC7. Check the liner let-off and winding operation</li> </ul>					
Post Calendering Operation	PC8. Check gauge and surface finish of calendered sheet PC9. Check online marking system for product identification PC10. Check if packing condition is appropriate PC11. Check if product is stored properly PC12. Check gauges at different points to find uniformity of coating PC13. Check batch identification for traceability PC14. Check contamination aspect					
Others	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 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 the	KA2. Cleanliness and safety requirements for commencing an extrusion operation					
company /	KA3. Material disposal procedure, importance of appropriate disposal of material and					
organization and	implications of not following the material disposal procedure					















RSC/ N 3001	Control quality of the product produced by calendering processisting of skill development a entrepreneurship
	estimation and approximation, for practical purposes
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	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 (Listening and Speaking skills)
	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
	SA11. Communicate with upstream and downstream teams
	SA12. Work in a team and other behavioral skills required to support the small group activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
	SA13. Practice honesty with respect to company property and time
	SA14. Communicate with people in a form and manner and using language that is open and respectful
	SA15. Resolve any difficulties in relationships with colleagues , or get help from an appropriate person, in a way that preserves goodwill and trust
	SA16. Take responsibility for completing one's own work assignment
	SA17. Take initiative to enhance/learn skills in ones's area of work
	SA18. The capacity to learn from experience in a range of settings and scenarios and the capacity to reflect on and analyse one's learning.
	SA19. Is open to new ways of doing things
	SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them.
	SA21. Avoid absenteeism
	SA22. Act objectively , rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	SA23. Work in disciplined factory environment SA24. Be punctual

**Decision Making** 







#### **B.Professional Skills**

The user/individual on the job needs to know and understand how to:

- SB1. Take appropriate decisions regarding processing steps in view of changing quality and availability of raw materials and finished goods.
- SB2. Laboratory equipment handling
- SB3. Use of chemicals
- SB4. Application of basic sciences, mathematics
- SB5. Application of statistics
- SB6. Use of a computer/application software
- SB7. Handle equipment/apparatus
- SB8. Handle rubber compound
- SB9. Handle chemicals
- SB10. Handle rubber products
- SB11. Complex sample components

#### **Plan and Organize**

The user/individual on the job needs to know and understand how to:

- SB12. seek clarification on problems from others
- SB13. apply problem-solving approaches in different situations
- SB14. refer anomalies to the line manager

#### **Customer Centricity**

#### **Problem Solving**

The user/individual on the job needs to know and understand how to:

- SB 15. Interpret quality for sheet
- SB 16. Suggest improvements(if any) in process/product/materials based on results and experience

#### **Analytical Thinking**

The user/individual on the job needs to know and understand how to:

- SB17. Proper collection of waste material
- SB18. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience

#### **Critical Thinking**

The user/individual on the job needs to know and understand how to:

- SB19. Handle equipment/rubber sheet SB6. seek clarification on problems from others
- SB20. apply problem-solving approaches in different situations
- SB21. refer anomalies to the line manager









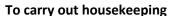
### **NOS Version Control**

NOS Code	RSC / N 3001	RSC / N 3001			
Credits(NSQF)	TBD	Version number	1.0		
Industry	Rubber Manufacturing	Drafted on	04/06/13		
Industry Sub-sector	Rubber Manufacturing	Last reviewed on	29/12/15		
Occupation	Calendering	Next review date	29/12/17		













# National Occupational Standard



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### **Overview**

This unit is about carrying out housekeeping



## National Occupational Standards

#### To carry out housekeeping





Unit Code	RSC / N 5001
Unit Title (Task)	To carry out housekeeping
Description	This unit is about carrying out housekeeping activities
Scope	This unit/task covers the following:  Preparing for housekeeping activities Carry out housekeeping activities Post housekeeping activities

Performance Criter	ia (PC) w.r.t. the Scope
Element	Performance Criteria
Pre housekeeping activities	To be competent, the user/individual on the job must be able to:  PC1. Inspect the area while taking into account various surfaces  PC2. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain  PC3. Ensure that the cleaning equipment is in proper working condition  PC4. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person  PC5. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces  PC6. Inform the affected people about the cleaning activity  PC7. Display the appropriate signage for the work being conducted  PC8. Ensure that there is adequate ventilation for the work being carried out  PC9. Wear the personal protective equipment required for the cleaning method and materials being used
Operations	PC10. Use the correct cleaning method for the work area, type of soiling and surface PC11. Carry out cleaning activity without disturbing others PC12. Deal with accidental damage, if any, caused while carrying out the work PC13. Report to the appropriate person any difficulties in carrying out your work PC14. Identify and report to the appropriate person any additional cleaning required that is outside one's responsibility or skill
Post housekeeping activities	PC15. Ensure that there is no oily substance on the floor to avoid slippage PC16. Ensure that no scrap material is lying around PC17. Maintain and store housekeeping equipment and supplies PC18. Follow workplace procedures to deal with any accidental damage caused during the cleaning process PC19. Ensure that, on completion of the work, the area is left clean and dry and meets









	requirements  PC20. Return the equipment, materials and personal protective equipment that were used to the right places making sure they are clean, safe and securely stored  PC21. Dispose the waste garnered from the activity in an appropriate manner  PC22. Dispose of used and un-used solutions according to manufacturer's instructions, and clean the equipment thoroughly
General	PC23. Maintain schedules and records for housekeeping duty PC24. Replenish any necessary supplies or consumables
Knowledge and Und	derstanding (K)
B. Technical Knowledge	The user/individual on the job needs to know and understand:  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
	<ul> <li>KB12. The importance of applying treatments evenly and the effect of not doing this</li> <li>KB13. Process of cleaning the surfaces without causing injury or damage</li> <li>KB14. The method to check the treated surface and equipment on completion of cleaning</li> <li>KB15. Procedures for reporting any unidentified soiling</li> <li>KB16. Procedures for disposing off waste</li> <li>KB17. Procedures for disposing off or storing personal protective equipment</li> <li>KB18. Escalation procedures for soils or stains that could not be removed</li> </ul>
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	com	pany	/
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- 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

The user/individual on the job needs to know and understand how to:

- 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 (Listening and Speaking skills)

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
- SA11. Communicate with upstream and downstream teams
- SA12. Work in a team and other behavioral skills required to support the small group activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
- SA13. Practice honesty with respect to company property and time
- SA14. Communicate with people in a form and manner and using language that is open and respectful
- SA15. Resolve any difficulties in relationships with colleagues , or get help from an appropriate person, in a way that preserves goodwill and trust
- SA16. Take responsibility for completing one's own work assignment
- SA17. Take initiative to enhance/learn skills in ones's area of work
- SA18. The capacity to learn from experience in a range of settings and scenarios and the capacity to reflect on and analyse one's learning.
- SA19. Is open to new ways of doing things
- SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them.
- SA21. Avoid absenteeism
- SA22. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- SA23. Work in disciplined factory environment
- SA24. Be punctual

#### **Decision Making**









## B.Professional Skills

The user/individual on the job needs to know and understand how to:

- SB1. Take appropriate decisions regarding processing steps in view of changing quality and availability of raw materials and finished goods.
- SB2. Laboratory equipment handling
- SB3. Use of chemicals
- SB4. Application of basic sciences, mathematics
- SB5. Application of statistics
- SB6. Use of a computer/application software
- SB7. Handle equipment/apparatus
- SB8. Handle rubber compound
- SB9. Handle chemicals
- SB10. Handle rubber products
- SB11. Complex sample components

#### **Plan and Organize**

The user/individual on the job needs to know and understand how to:

- SB12. seek clarification on problems from others
- SB13. apply problem-solving approaches in different situations
- SB14. refer anomalies to the line manager



#### **Customer Centricity**

NA

#### **Problem Solving**

The user/individual on the job needs to know and understand how to:

- SB 15. Interpret quality for sheet
- SB 16 . Suggest improvements(if any) in process/product/materials based on results and experience

#### **Analytical Thinking**

The user/individual on the job needs to know and understand how to:

- SB17. Proper collection of waste material
- SB18. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience

#### **Critical Thinking**

The user/individual on the job needs to know and understand how to:

- SB19. Handle equipment/rubber sheet SB6. seek clarification on problems from others
- SB20. apply problem-solving approaches in different situations
- SB21. refer anomalies to the line manager



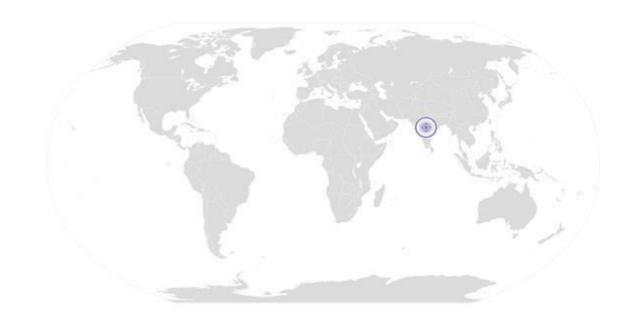






### **NOS Version Control**

NOS Code	RSC / N 5001		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Calendering	Next review date	29/12/17











To carry out reporting and documentation

# National Occupational Standard



#### **Overview**

This unit is about reporting and documentation



# NOS





Unit Code	RSC / N 5002		
Unit Title	To carry out reporting and documentation		
(Task)			
Description	This unit is about carrying out reporting and documentation		
Scope	This unit/task covers the following:		
	Reporting of data/problem/incidents etc		
	Documentation		
	Information Security		
Performance Criter	ia (PC) w.r.t. the Scope		
Element	Performance Criteria		
	To be competent, the user/individual on the job must be able to:		
	PC1. Report data/problems/incidents as applicable in a timely manner		
Reporting	PC2. Report to the appropriate authority as laid down by the company		
	PC3. Follow reporting procedures as prescribed by the company		
	PC4. Identify documentation to be completed relating to one's role		
	PC5. Record details accurately an appropriate format		
	PC6. Complete all documentation within stipulated time according to company		
Recording and	procedure		
Documentation	PC7. Ensure that the final document meets with the requirements of the persons who		
	requested it or make any amendments accordingly		
	PC8. Make sure documents are available to all appropriate authorities to inspect		
	PC9. Respond to requests for information in an appropriate manner whilst following		
Information	organizational procedures		
Security	PC10. Inform the appropriate authority of requests for information received		
Knowledge and Un			
	The user/individual on the job needs to know and understand:		
	KB1. Different methods of recording information		
	KB2. Various documents that need to be maintained		
	KB3. Company procedure for filling/maintaining up the documents		
B. Technical	KB4. Procedures for reporting to the appropriate authority		
Knowledge	KB5. Procedures for recording damage, breakages etc		
	KB6. Reporting incidents where standard operating procedures are not followed		
	KB7. The importance of complete and accurate documentation		
	KB8. How to maintain complete documentation accurately and within agreed		
	timescales		
	KB9. The importance of ensuring that the documents are correct		



# NOS





## National Occupational Standards To carry out reporting and documentation स्वयंभेष ज्ञायने GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

	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		
	KB13. The appropriate method for responding to requests for information		
	KB14. The reporting procedures to followed before disclosing information to any		
	outside party		
	Catalac party		
Skills (S)			
	Writing 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		
	The user/individual on the job needs to know and understand how to:		
	SA5. Read and understand manuals, health and safety instructions, memos, reports,		
	job cards etc		
	SA6. Read images, graphs, diagrams		
A. Core Skills/	SA7. Understand the various coding systems as per company norms		
Generic Skills	Oral Communication (Listening and Speaking skills)		
	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		
	SA11. Communicate with upstream and downstream teams		
	SA12. Work in a team and other behavioral skills required to support the small group		
	activities (Quality Circle, Cross Functional Team, Suggestion Scheme)		
	SA13. Practice honesty with respect to company property and time		
	SA14. Communicate with people in a form and manner and using language that is open and respectful		
	SA15. Resolve any difficulties in relationships with colleagues , or get help from an		
	appropriate person, in a way that preserves goodwill and trust		
	SA16. Take responsibility for completing one's own work assignment		
	SA17. Take initiative to enhance/learn skills in ones's area of work		
	SA18. The capacity to learn from experience in a range of settings and scenarios and the		
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# NOS





## National Occupational Standards To carry out reporting and documentation स्वयंभेष ज्ञायने GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

	capacity to reflect on and analyse one's learning.
	SA19. Is open to new ways of doing things
	SA20. The capacity to envisage and articulate personal goals; to develop strategies and
	take action to achieve them.
	SA21. Avoid absenteeism
	SA22. Act objectively , rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA23. Work in disciplined factory environment
	SA24. Be punctual
	SA24. De pulletual
	Decision Making
B.Professional	
Skills	The user/individual on the job needs to know and understand how to:
3Kiii3	
	SB1. Take appropriate decisions regarding processing steps in view of changing quality
	and availability of raw materials and finished goods.
	SB2. Laboratory equipment handling
	SB3. Use of chemicals
	SB4. Application of basic sciences, mathematics
	SB5. Application of statistics
	SB6. Use of a computer/ application software
	SB7. Handle equipment/apparatus
	SB8. Handle rubber compound
	SB9. Handle chemicals
	SB10. Handle rubber products
	SB11. Complex sample components
	Plan and Organize
	Tiun und Organize
	The user/individual on the job needs to know and understand how to:
	SB12. seek clarification on problems from others
	SB13. apply problem-solving approaches in different situations
	SB14. refer anomalies to the line manager
	3D14. Telef allothalies to the line manager
	Customer Centricity
	NA
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	SB 15. Interpret quality for sheet
	SB 16 . Suggest improvements(if any) in process/product/materials based on results and
	experience









## To carry out reporting and documentation GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

#### **Analytical Thinking**

The user/individual on the job needs to know and understand how to:

SB17. Proper collection of waste material

SB18. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience

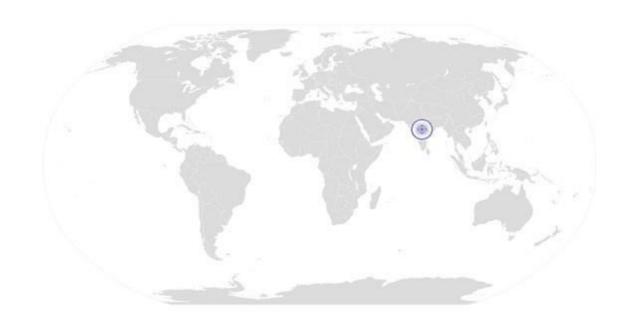
#### **Critical Thinking**

The user/individual on the job needs to know and understand how to:

SB19. Handle equipment/rubber sheet SB6. seek clarification on problems from others

SB20. apply problem-solving approaches in different situations

SB21. refer anomalies to the line manager



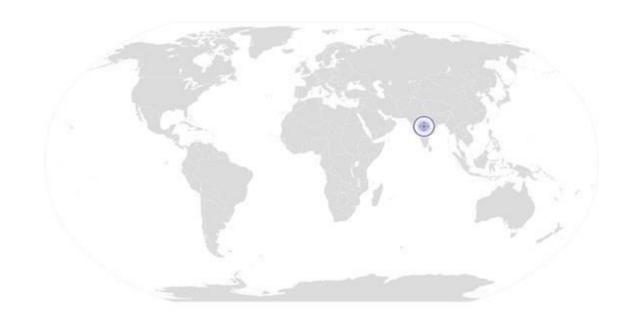






### **NOS Version Control**

NOS Code	RSC / N 5002		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Calendering	Next review date	29/12/17











# National Occupational Standard



**Overview** 

This unit is about carrying out quality checks



# To carry out quality checks





Unit Code	RSC / N 5003
Unit Title (Task)	To 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

	Carrying out quality checks to identify problems		
	Take corrective actions		
	Reporting the results		
Performance Criteria (	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 PC4. Identify potential causes of non-conformities to quality assurance standards PC5. Identify impact on final product due to non-conformance to company 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 Under	standing (K)		
Technical Knowledge	The user/individual on the job needs to know and understand:  KB1. The importance of quality control procedures  KB2. Relevance and importance of activities and how they contribute to the achievement of the quality objectives,		

# achievement of the quality objectives,









#### To carry out quality checks

	KB3. Proper procedure for selecting the material/product and performing quality
	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
	KB11. Implications of inaccurate measuring and testing instruments and equipment
	KB12. The cost of non-conformance to quality standards
	KB13. Implications (impact on internal/external customers) of defective products,
	materials or components
	materials of components
Skills (S)	
	Writing 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 and Understanding Skills
	The user/individual on the job needs to know and understand how to:
A. Core Skills/	SA5. Read and understand manuals, health and safety instructions, memos, reports,
Generic Skills	job cards etc
	SA6. Read images, graphs, diagrams
	SA7. Understand the various coding systems as per company norms
	Oral Communication (Listening and Speaking skills)
	Crair Communities (Listening and Speaking State)
	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
	SA11. Communicate with upstream and downstream teams
	SA12. Work in a team and other behavioral skills required to support the small group
	activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
	SA13. Practice honesty with respect to company property and time









#### To carry out quality checks

KSC / N 5003	To carry out quality cnecks		
	SA14. Communicate with people in a form and manner and using language that is		
	open and respectful		
	SA15. Resolve any difficulties in relationships with colleagues, or get help from an		
	appropriate person, in a way that preserves goodwill and trust		
	SA16. Take responsibility for completing one's own work assignment		
	SA17. Take initiative to enhance/learn skills in ones's area of work		
	SA18. The capacity to learn from experience in a range of settings and scenarios and		
	the capacity to reflect on and analyse one's learning.		
	SA19. Is open to new ways of doing things		
	SA20. The capacity to envisage and articulate personal goals; to develop strategies		
	and take action to achieve them.		
	SA21. Avoid absenteeism		
	SA22. Act objectively , rather than impulsively or emotionally when faced with		
	difficult/stressful or emotional situations		
	SA23. Work in disciplined factory environment		
	SA24. Be punctual		
	Decision Making		
<b>B.Professional Skills</b>			
	The user/individual on the job needs to know and understand how to:		
	SB1. Take appropriate decisions regarding processing steps in view of changing		
	quality and availability of raw materials and finished goods.		
	SB2. Laboratory equipment handling		
	SB3. Use of chemicals		
	SB4. Application of basic sciences, mathematics		
	SB5. Application of statistics		
	SB6. Use of a computer/ application software		
	SB7. Handle equipment/apparatus		
	SB8. Handle rubber compound		
	SB9. Handle chemicals		
	SB10. Handle rubber products		
	SB11. Complex sample components		
	Plan and Organize		
	The user/individual on the job needs to know and understand how to:		
	SB12. seek clarification on problems from others		
	SB13. apply problem-solving approaches in different situations		
	SB14. refer anomalies to the line manager		
	Customer Centricity		
	NA NA		









#### **Problem Solving**

The user/individual on the job needs to know and understand how to:

SB 15. Interpret quality for sheet

SB 16 . Suggest improvements(if any) in process/product/materials based on results and experience

#### **Analytical Thinking**

The user/individual on the job needs to know and understand how to:

SB17. Proper collection of waste material

SB18. Identify defects in the material and communicate it at the earliest and suggest improvements(if any) in process/material based on experience

#### **Critical Thinking**

The user/individual on the job needs to know and understand how to:

SB19. Handle equipment/rubber sheet SB6. seek clarification on problems from others

SB20. apply problem-solving approaches in different situations

SB21. refer anomalies to the line manager











### **NOS Version Control**

NOS Code	RSC / N 5003		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/13
Industry Sub-sector	Tyre and Non- tyre	Last reviewed on	29/12/15
Occupation	Calendering	Next review date	29/12/17





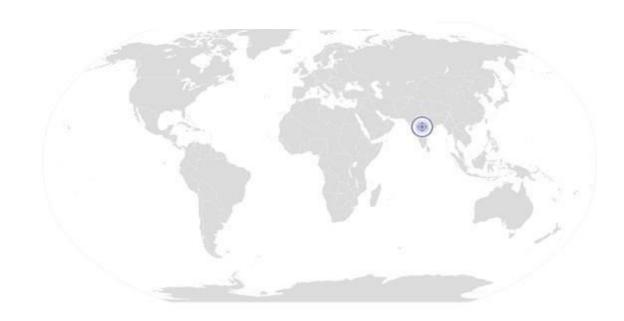






To carry out problem estimation and escalation

# National Occupational Standard



#### **Overview**

This unit is about problem identification and escalation



# NOS ational Occupational Standards





#### To carry out problem estimation and escalation

Unit Code	RSC / N 5004	
Unit Title (Task)	To carry out problem identification and escalation	
Description	This unit is about problem identification and escalation	
Scope	This unit/task covers the following:	
	Identify problems across:	
	- Raw materials	
	- Compounds	
	- Product	
	- Equipment	
	- Others	
	Identify solutions to problems	
	Take corrective action	
	Escalation of unresolved identified problems	

#### Performance Criteria (PC) w.r.t. the Scope

Element	Performance Criteria		
Problem Identification	To be competent, the user/individual on the job must be able to:  PC1. Identify defects/indicators of problems  PC2. Identify any wrong practices that may lead to problems  PC3. Identify practices that may impact the final product quality  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  PC6. Ensure that no delays are caused as a result of failure to escalate problems		
Necessary Action	PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)  PC8. Consider possible reasons for identification of problems  PC9. Consider applicable corrections and formulate corrective action  PC10. Formulate action in a timely manner  PC11. Communicate problem/remedial action to appropriate parties  PC12. Take corrective action in a timely manner  PC13. Take corrective action for problems identified according to the company procedures  PC14. Report/document problem and corrective action in an appropriate manner  PC15. Monitor corrective action  PC16. Evaluate implementation of corrective action taken to determine if the		









RSC / N 0504	To carry out problem estimation and escalation
	problem has been resolved
	PC17. Ensure that corrective action selected is viable and practical
	PC18. Ensure that correct solution is identified to an identified problem
	PC19. Take corrective action for problems identified according to the company
	procedures
	PC20. Ensure that no delays are caused as a result of failure to take necessary action
	PC21. Escalate problem as per laid down escalation matrix
Problem Escalation	PC22. Escalate the problem within stipulated time
Problem Escalation	PC23. Escalate the problem in an appropriate manner
	PC24. Ensure that no delays are caused as a result of failure to escalate problems
Knowledge and Unders	standing (K)
	The user/individual on the job needs to know and understand:
	KB1. Indicators of problems
	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
	KB7. Measures and steps that have been taken to address the previous problems
B. Technical	KB8. Possible solutions for various problems
Knowledge	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
	The user/ individual on the job needs to know and understand how to:
	SA1. Construct simple sentences and express ideas clearly through written
A. Core Skills/	communication
Generic Skills	SA2. Fill up appropriate technical forms, process charts, activity logs in required
Control online	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
	1









#### To carry out problem estimation and escalation

estimation and approximation, for practical purposes

#### **Reading and Understanding Skills**

The user/individual on the job needs to know and understand how to:

- 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 (Listening and Speaking skills)

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
- SA11. Communicate with upstream and downstream teams
- SA12. Work in a team and other behavioral skills required to support the small group activities (Quality Circle, Cross Functional Team, Suggestion Scheme)
- SA13. Practice honesty with respect to company property and time
- SA14. Communicate with people in a form and manner and using language that is open and respectful
- SA15. Resolve any difficulties in relationships with colleagues, or get help from an appropriate person, in a way that preserves goodwill and trust
- SA16. Take responsibility for completing one's own work assignment
- SA17. Take initiative to enhance/learn skills in ones's area of work
- SA18. The capacity to learn from experience in a range of settings and scenarios and the capacity to reflect on and analyse one's learning.
- SA19. Is open to new ways of doing things
- SA20. The capacity to envisage and articulate personal goals; to develop strategies and take action to achieve them.
- SA21. Avoid absenteeism
- SA22. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- SA23. Work in disciplined factory environment
- SA24. Be punctual





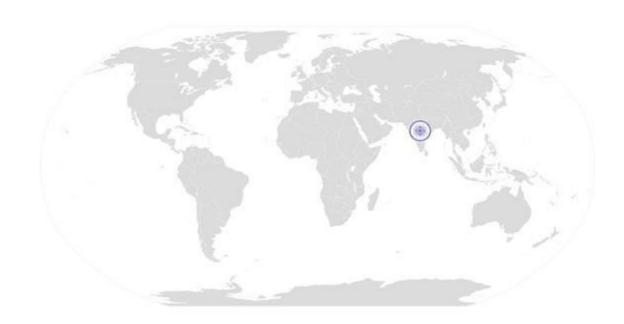




#### To carry out problem estimation and escalation

## **NOS Version Control**

NOS Code	RSC / N 5004		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	24/02/13
Industry Sub-sector	Tyre and NonTyre	Last reviewed on	29/12/15
Occupation	Calendering	Next review date	29/12/17



Back to QP

#### **CRITERIA FOR ASSESSMENT OF TRAINEES**

Job Role: Quality Control Inspector Calendering

**Qualification Pack Code:** RSC/ Q 0730

Sector Skill Council: 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. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
- 4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
- 5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
- 6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessment Strategy			Marks Allocation		
NOS	Elements	Performance Criteria	Total	Theory	Practical
	Prior to Calendering Operation	PC1. Check cleanliness of the upstream/ downstream equipment and the Calender	4	0	4
		PC2. Check whether correct compound is in place	4	0	4
		PC3. Check the calendaring parameters e.g speed / roll rpm, temperature, conveyor speed etc. set for calendering	10	4	6
1.		PC4. Visually inspect the liner, calendered rubber sheet for any blemish / surface defect	10	4	6
RSC/N300 1 Control quality of the product	During Calendering Operation	PC5. Check steam / cooling water flow rate ( heating & cooling drums and calender roll temperature control)	10	4	6
		PC6. Check calendered sheet gauge on the conveyor belt	6	0	6
produced by		PC7. Check the liner let-off and winding operation	6	0	6
calenderin g process		PC8. Check gauge and surface finish of calendered sheet	10	4	6
	Post Calendering Operation	PC9. Check online marking system for product identification	4	4	0
		PC10. Check if packing condition is appropriate	4	0	4
		PC11. Check if product is stored properly	4	4	0
		PC12. Check gauges at different points to find uniformity of coating	8	4	4

		PC13. Check batch identification for traceability	4	4	0
		PC14. Check contamination aspect	4	0	4
		PC15. Adhere to all safety norms (like	8	4	4
		wearing protective gloves, shoes etc)	0	4	4
		PC16. Comply with health, safety,			
		environment guidelines, regulations etc in	4	4	0
	_	accordance with international/national	7	-	
	Others	standards or organizational standards			
			100	40	60
		PC1. Inspect the area while taking into	3		
		account various surfaces		3	0
		PC2. Identify the material requirements for	_		
		cleaning the areas inspected, by considering	3	•	
		risk, time, efficiency and type of stain		3	0
		PC3. Ensure that the cleaning equipment is in	3	2	
		proper working condition		3	0
		PC4. Select the suitable alternatives for			
	D	cleaning the areas in case the appropriate	3		
	Pre housekeepin g activities	equipment and materials are not available		2	0
		and inform the appropriate person		3	0
		PC5. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces	3	3	0
		PC6. Inform the affected people about the		3	U
		cleaning activity	2	2	0
		PC7. Display the appropriate signage for the			U
2.		work being conducted	3	3	0
RSC/N500		PC8. Ensure that there is adequate			U
1 To Carry		ventilation for the work being carried out	3	3	0
Out		PC9. Wear the personal protective equipment			
Housekee		required for the cleaning method and	3		
ping		materials being used		3	0
		PC10. Use the correct cleaning method for	2		
		the work area, type of soiling and surface	3	3	0
	Operations	PC11. Carry out cleaning activity without	3		
		disturbing others	3	3	0
		PC12. Deal with accidental damage, if any,	3		
		caused while carrying out the work	3	3	0
		PC13. Report to the appropriate person any	3	_	
		difficulties in carrying out your work	ر	3	0
		PC14. Identify and report to the appropriate			
		person any additional cleaning required that	3		
		is outside one's responsibility or skill		3	0
	Post	PC15. Ensure that there is no oily substance	9		
	housekeepin	on the floor to avoid slippage		3	6
	. g	PC16. Ensure that no scrap material is lying	9	_	_
	activities	around	_	3	6

		PC17. Maintain and store housekeeping	3	2	
		equipment and supplies PC18. Follow workplace procedures to deal		3	0
		with any accidental damage caused during the cleaning process	3	3	0
		PC19. Ensure that, on completion of the			<u> </u>
		work, the area is left clean and dry and meets requirements	8	2	6
		PC20. Return the equipment, materials and			
		personal protective equipment that were	3		
		used to the right places making sure they are clean, safe and securely stored		3	0
		PC21. Dispose the waste garnered from the	9		•
		activity in an appropriate manner	9	3	6
		PC22. Dispose of used and un-used solutions according to manufacturer's instructions, and	9		
		clean the equipment thoroughly		3	6
		PC23. Maintain schedules and records for	3	2	0
	General	housekeeping duty PC24. Replenish any necessary supplies or		3	0
		consumables	3	3	0
			100	70	30
	Reporting	PC1. Report data/problems/incidents as applicable in a timely manner	12	8	4
		PC2. Report to the appropriate authority as	12		
		laid down by the company	12	8	4
		PC3. Follow reporting procedures as prescribed by the company	12	8	4
		PC4. Identify documentation to be completed	10		
_	Recording and Documentati on	relating to one's role	10	6	4
3. RSC/N500		PC5. Record details accurately an appropriate format	16	6	10
2 To Carry		PC6. Complete all documentation within			
Out Reporting		stipulated time according to company procedure	14	4	10
And		PC7. Ensure that the final document meets		•	10
Document		with the requirements of the persons who	6		
ation		requested it or make any amendments accordingly		4	2
		PC8. Make sure documents are available to	6	•	
		all appropriate authorities to inspect	6	4	2
	Information Security	PC9. Respond to requests for information in an appropriate manner whilst following	6		
		organizational procedures		6	0
		PC10. Inform the appropriate authority of	6		
		requests for information received		6	0
			100	60	40

PC2. Use appropriate measuring instruments, equipment, tools, accessories etc., as required p. PC3. Identify non-conformities to quality assurance standards		Inspection	PC1. Ensure that total range of checks are regularly and consistently performed	24	10	14
Analysis			, , ,	24	10	14
Analysis  PCS. Identify inpact on final product due to non-conformance (where required)  PCS. Identify possible reasons for  PCS. Identify osposible reasons for  PCS. Identify osposible reasons for  Analysis  Analysis  Analysis  PCS. Identify of possible reasons for  Analysis  Analysis  Analysis  PCS. Identify of possible reasons for  Analysis  Analysis  PCS. Identify osposible reasons for  Analysis  Analysis  Analysis  PCS. Identify of possible reasons for  Analysis  Analysis  Analysis  PCS. Identify osposible reasons for  Analysis  Analysis  Analysis  PCS. Identify of ther operations that might be impacted by the problem  PCS. Take appropriate authority.  PCS. Take up results of the findings with QC in charge/appropriate authority.  PCS. Identify of ther operations that might be escalate problems  PCS. Identify of ther operations that might be impacted by the problem  PCS. Take appropriate authority to escalate problems  PCS. Take appropriate authority.  PCS. Take appropriate authority.  PCS. Consider possible reasons for  Analysis  Analy			, , ,	6	4	2
Analysis  Analys			conformities to quality assurance standards	5	3	2
4. RSC/N500 A 1 C 2 Reporting PC1. Recylar of recults of action taken PC1. Recylar of defect cannot be identification PC2. Identify any wrong practices that may lead to problems PC3. Identify other operations that might be impacted by the problem lentification PC4. Identify other operations to confirm suspected reasons for on-conformance (where results to feed and problem suspected reasons for non-conformance (where required) PC3. Corsolider possible reasons for PC3. Records of results of action taken PC1. Record adjustments not covered by established procedures for future reference PC1. Identify defects/indicators of problems PC2. Identify any wrong practices that may lead to problems PC3. Identify practices that may lead to problems PC3. Identify practices that may impact the final product quality PC4. Identify if the problem has occurred before PC5. Identify other operations that might be impacted by the problem PC6. Ensure that no delays are caused as a result of failure to escalate problems PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required) PC8. Consider possible reasons for		Analysis	non-conformance to company standards	5	3	2
The state of the state of the state action to actions of the state of			that problems do not recur	6	4	2
PCB. Review effectiveness of corrective action   5   3   2	3 To Carry		problem			
Checks  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 with QC in charge/appropriate authority.  PC11. Take up the results of the findings with QC in charge/appropriate authority.  PC11. Take up the results of the findings with in 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  PC15. Follow reporting procedures where the cause of defect cannot be identified  PC2. Identify defects/indicators of problems  PC3. Identify any wrong practices that may lead to problems  PC3. Identify practices that may impact the final product quality  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  PC6. Ensure that no delays are caused as a result of failure to escalate problems  PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected  PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected  PC8. Consider possible reasons for				5	3	2
Reporting  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  PC16. Identify defects/indicators of problems  PC2. Identify any wrong practices that may lead to problems  PC3. Identify practices that may impact the final product quality  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  Reporting  Reporting  Record of results of action taken  3 3 0  Record adjustments not covered by establish reporting procedures where the cause of defect cannot be identified  2 2 0  ROUTH OF TAKEN OF TAKE	· · · · · · · · · · · · · · · · · · ·			4	4	0
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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  PC15. Follow reporting procedures where the cause of defect cannot be identified  PC1. Identify defects/indicators of problems  PC2. Identify any wrong practices that may lead to problems  PC3. Identify practices that may impact the final product quality  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  Identification  Necessary Action  Necessary Action  Necessary Action  PC1. Record of results of action taken  3 3 0  0 2  2 0  100 60 40  4 3  3 3  9 22  4 3  9 2. Identify any wrong practices that may impact the final product quality  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  PC6. Ensure that no delays are caused as a result of failure to escalate problems  PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)  PC8. Consider possible reasons for		Reporting	,	3	3	0
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Problem Identification  Problem Identification  Problem Identification  Necessary Action  Problem Identification  Necessary Action  Problem Identification  Problem Identifica			PC1. Identify defects/indicators of problems	7	4	3
Froblem Identification  Problem Identification  RSC/N500  4 To Carry Out Problem Identification  PC4. Identify if the problem has occurred before  PC5. Identify other operations that might be impacted by the problem  PC6. Ensure that no delays are caused as a result of failure to escalate problems  PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)  PC8. Consider possible reasons for			PC2. Identify any wrong practices that may	6		
RSC/N500 4 To Carry Out Problem Identification On And Escalation  Necessary Action    A To Carry Out Problem   PC4. Identify if the problem has occurred before   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)   5   3   2     PC8. Consider possible reasons for   8   8     PC8. Consider possible reasons for   8   8     PC9. Identify if the problem has occurred before   5   3   2     PC9. 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 for non-conformance (where required)   5   3     PC8. Consider possible reasons for   8				6	3	3
Out Problem Identificati on And Escalation  Necessary Action  Impacted by the problem PC6. Ensure that no delays are caused as a result of failure to escalate problems PC7. Take appropriate materials and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required) PC8. Consider possible reasons for	RSC/N500 4 To Carry Out Problem Identificati on And		· · · · · · · · · · · · · · · · · · ·	5	3	2
Identificati on And Escalation  Necessary Action  Necessary Results of failure to escalate problems  Solution States and sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)  Necessary Result of failure to escalate problems  Solution States and States and Sample, conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where required)  Solution States and Sample, conduct tests and evaluate results to establish reasons for non-conformance (where required)  Solution States and Sample, conduct tests and evaluate results to establish reasons for non-conformance (where required)  Solution States and Sample, conduct tests and evaluate results to establish reasons for non-conformance (where required)  Solution States and Sample, conduct tests and evaluate results to establish reasons for non-conformance (where required)  Solution States and Sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample, conduct tests and evaluate results to establish reasons for sample results and evaluate results an			impacted by the problem	6	4	2
Escalation  Necessary Action  Necessary Reasons for non-conformance (where required)  PC8. Consider possible reasons for			•	5	3	2
PC8. Consider possible reasons for			conduct tests and evaluate results to establish reasons to confirm suspected reasons for non-conformance (where	8	5	2
			PC8. Consider possible reasons for	8		

PC9. Consider applicable corrections and	3		
formulate corrective action	5	3	0
PC10. Formulate action in a timely manner	3	3	0
PC11. Communicate problem/remedial action	7		
to appropriate parties	7	5	2
PC12. Take corrective action in a timely	2		
manner	2	2	0
PC13. Take corrective action for problems			
identified according to the company	2		
procedures		2	0
PC14. Report/document problem and	8		
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	2		
been resolved		2	0
PC17. Ensure that corrective action selected	2		
is viable and practical	2	2	0
PC18. Ensure that correct solution is	2		
identified to an identified problem	2	2	0
PC19. Take corrective action for problems			
identified according to the company	1		
procedures		1	0
PC20. Ensure that no delays are caused as a	1		
result of failure to take necessary action		1	0
PC21. Escalate problem as per laid down	4		
escalation matrix	4	3	1
PC22. Escalate the problem within stipulated	4		
Problem time	4	3	1
Escalation PC23. Escalate the problem in an appropriate	3		
manner	3	2	1
PC24. Ensure that no delays are caused as a	3		
result of failure to escalate problems	3	2	1
	100	70	30