





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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. OS Units.....

Introduction

Qualifications Pack-Latex Compounding Supervisor

SECTOR: RUBBER INDUSTRY

SUB-SECTOR: Latex

OCCUPATION: Latex Compounding/Mixing

REFERENCE ID: RSC/ Q 1703

ALIGNED TO: NCO-2004/NIL

Brief Job Description: A Latex Compounding Supervisor is responsible to

supervise all the processes involved in preparation of latex compound.

Personal Attributes: This job requires the individual to be authoritative in delivering the commands for work implementation. He must be able to delegate task appropriately considering the ability and availability of manpower in his team. He should demonstrate good leadership qualities and effective human resource management. He is required to focus on behavioural skills of the team required to support the group activities maintaining the integrity and harmony in factory environment.







Qualifications Pack For Latex Compounding Supervisor AMNSTRY OF SKLL DEVELOPMENT & ENTPEPRENEURSHIP

Qualifications Pack Code	RSC/ Q 1703		
Job Role	Latex Compounding Supervisor		
Credits(NSQF)	TBD	Version number	1.0
Sector	Rubber Manufacturing	Drafted on	02/12/14
Sub-sector	Latex	Last reviewed on	02/12/14
Occupation	Latex Compounding/Mixing	Next review date	02/12/15
NSQC Clearnace on	20/07/2015		

Job Role	Latex Compounding Supervisor		
	The Latex Compounding Supervisor is responsible to supervise		
Role Description	all the processes involved in preparation of latex compound.		
NSQF level	5		
Minimum Educational Qualifications*	XII/Diploma/ITI/Graduate in Science		
Maximum Educational Qualifications*	Post Graduate in Science		
Training	Training on latest product/technological developments		
(Suggested but not mandatory)	Training on latest product/technological developments		
Minimum Job Entry Age	18 years		
Experience	Worked as a latex compounder for 3-4 years in the same role		
	Compulsory:		
	1. RSC/ N 1707 (Supervise the preparation of Latex		
	Compounds)		
	2. RSC/ N 5001 (To carry out housekeeping)		
Applicable National Occupational	3. RSC/ N 5002 (<u>To carry out reporting and documentation</u>)		
Standards (NOS)	4. RSC/ N 5003 (To carry out quality checks)		
	5. RSC/ N 5004 (<u>To carry out problem identification and</u>		
	<u>escalation</u>)		
	Optional:		
	NA		
Performance Criteria	As described in the relevant OS units		







Qualifications Pack For Latex Compounding Supervisor

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	Qualifications Pack Code is a unique reference code that identifies a
Code	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	Knowledge and Understanding are statements which together specify the
Understanding	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	Core Skills or Generic Skills are a group of skills that are key to learning and
Skills	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 supervising the processes involved in the preparation of latex compound.



NOS Netional Occupational Standards





Unit Code	RSC / N 1707
Unit Title (Task)	Supervise the preparation of latex compound
Description	This unit is about supervising the processes involved in the preparation of latex compound.
Scope	 This unit/task covers the following: Ensure housekeeping and safety in compounding area Monitor and manage the compound preparation area w.r.t machines, equipments, workers, material and procedures Get compounding dispersions, emulsions and solutions prepared as per formulation Record full details of batches produced Arrange to reschedule the mixing of the affected compound urgently to keep the plant process on for smooth running Ensure that maintenance programme of the machine/s are carried out on regular basis
Performance Criteria (F	PC) w.r.t. the Scope
Element	Performance Criteria
	To be competent, the user/individual on the job must be able to PC1. Ensure that the compounding vessels are clean and ready to use.

Element	Performance Criteria		
Equipment readiness	 To be competent, the user/individual on the job must be able to PC1. Ensure that the compounding vessels are clean and ready to use. PC2. Ensure that the tools required for compound preparations are ready. PC3. Ensure proper control of utilities, viz, water, electricity, compressed air, weighing scale etc. PC4. Arrange to provide tools like masks, gloves, containers etc. for workers before starting the operation PC5. Ensure that maintenance programme of the machine/s are carried out on regular basis 		
Raw material /Formulation appropriateness	 PC1. Check the material coming from storage house and confirm that it is as per the scheduler PC2. Ensure the receiving of correct material in compounding area i.e. the material has lab release ID tags or code marking PC3. Receive the formulation from the technical and guide the operator for compound preparation as per the schedule and specification 		
Health & Safety	PC4. Ensure that team members adhere to all safety norms (such as wearing protective gloves ,mask and safety shoes). PC5. Ensure fumigations of compounding vessels to prevent bacteria formations and		



NOS National Occupational Standards





	 build up PC6. Arrange for hospitalization in case of accident; for first aid, general medication etc. of the team members PC7. Avoid spillage and in case of spillage occur, follow safety measures as laid down by safety department PC8. Comply with health, safety, environment guidelines and regulations in accordance with international/national standards or the organizational standards.
Operation	PC9. Ensure that operator follow the standard operating procedures of each operations with respect to latex compounding PC10. Get compounding dispersions, emulsions and solutions prepared as per formulation PC11. Ensure batch preparation as per the daily production needs PC12. Ensure that compounding and maturing is done well before production to have a proper maturity of the latex for smooth and trouble free production PC13. Ensure that the operator follows the sequence of addition of ingredients and mixing instructions as per the mixing instructions issued by technical (manually/through automated operations) PC14. Supervise colour mixing for latex compound if required PC15. Ensure all laid out procedures/guidelines are in compliance PC16. Keep a check on cycle time (between one batch to another) to attain efficiency PC17. Ensure that the mixed compound is stored in designated containers with proper ID tags and hold until release tags in the allotted storage area . PC18. Reschedule the preparation of defected/rejected compound PC19. Maintain efficiency and attain scheduled target shift wise PC20. Requirement of the other departments are met on timely manner
Quality Assurance	PC21. Ensure to send sample of the prepared compound in the specified sample size and method as directed by the company PC22. Liaise with QA and QC labs to get results of the compounding done and instruct the team to modify the compounds to required parameters to have a trouble free production
Disposal	PC23. Ensure that waste material is disposed off safely, as per organizational SOP. PC24. Ensure the held up compound is disposed off by technical at the earliest.
Batch Marking	PC25. Ensure identification and traceability by batch marking/coding for the right product as per the instructions laid down by the company (in terms of batch number, weight, color and date stamp).









Record Maintenance	PC26. Record full details of batches produced against schedule, down time, reasons for down time, quality issues, other delays and corrective actions taken.
Knowledge and Unders	tanding (K)
A. Organizational Context (Knowledge of the company / organization and its processes)	 The user/individual on the job needs to know and understand: KA1. Implications of poorly prepared machines, tools and equipments. KA2. Importance of identifying non-conforming materials and their storage. KA3. Risk and impact of not following defined procedures/work instructions. KA4. Escalation matrix for reporting identified problems. KA5. Types of documentation in organization and importance of the same. KA6. Records to be maintained and the implications of their non-maintenance. KA7. Importance of housekeeping activities. KA8. Health, safety and environment guidelines, legislation and regulations as applicable. KA9. Personal and Personnel protection (which protective equipment to be used and how). KA10. Impact of poor practices on health, safety and environment. KA11.Potential hazards and actions to minimize them. KA12.The escalation matrix and procedures for reporting hazards. KA13. Importance of FIFO and good shop floor practices (for example, 5S). KA14.Impact of various practices on cost, quality, productivity, delivery and safety. KA15.Handover/Takeover of the equipment/work area as per the organizational SOP. KA16.Importance of optimal utilization of material, machine and manpower.
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. Importance of proper weighing of rubber latex ingredients KB2. Processing latex compound with different types of machines KB3. Effect of wrong weighing of ingredients for compounding KB4. Various latex applications and its compounding KB5. Methods of proper compound mixing & preparation of dispersion and solutions KB6. Product weight and dimensional controls KB7. Knowledge of quality certified product KB8. Knowledge to calibrate weighing scales, and compounding vessels KB9. Determine cure characteristics as per swelling index method and by Chloroform numbers KB10. Tolerance levels for various parameters (such as water hardness ,pH). KB11. Various abnormalities and suitable response for abnormalities in equipment performance. KB12. Implications of delays in the preparation process. KB13. Types of defects leading to rejections and their indicators, reasons and possible









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	KB14. Cleanliness and safety requirements for commencing a compounding
	operation.
	KB15. Units of measurement.
	KB16. Response to emergencies, for example, power failures, fire, system failures,
	spillages and manual intervention to avoid disasters.
	KB17. Knowledge of appropriate batch sizes with respect to appropriate material.
Skills (S)	
	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Express the ideas, lodge complaints and give suggestions through effective
	written communication.
	SA2. Fill up appropriate 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
	SA5. Prepare and fill up schedules
	SA6. Maintain records in specified format in books and using computers
	Reading and Understanding Skills
	The user/individual on the job needs to know and understand how to:
	SA7. Read and understand manuals, health and safety instructions, memos, reports,
A. Core Skills/	job cards etc
Generic Skills	SA8. Read images, graphs, diagrams
	SA9. Understand the various coding systems as per company norms
	SA10. Understand procedural guidelines
	SA11. Interpret and understand lab testing reports
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA12. Express statements, opinions or information clearly so that others can hear
	and understand
	SA13. Respond appropriately to any queries
	SA14. Communicate with operators and labourers
	SA15. Communicate with other job owners like compound storage / transport
	person, lab chemist, maintenance manager etc.
	SA16. Instruct the team in the local language and encourage the team to adapt
	behavioral skills required to support the group activities.
	Integrity









	The user/individual on the job needs to know and understand how to:
	SA17. Practice honesty with respect to company property and time
	SA18. Communicate with people in a form and manner and using language that is open and respectful
	SA19. Resolve any difficulties in relationships with colleagues , or get help from an
	appropriate person, in a way that preserves goodwill and trust
	Motivation
	Wiotivation
	The user/individual on the job needs to know and understand how to:
	SA20. Take responsibility for completing one's own work assignment and the work under supervision
	SA21. Take initiative to enhance/learn skills in ones's area of work
	SA22. The capacity to learn from experience in a range of settings and scenarios and
	the capacity to reflect on and analyse one's learning.
	SA23. Is open to new ways of doing things
	SA24. The capacity to envisage and articulate personal goals; to develop strategies
	and take action to achieve them.
	Reliability
	The user/individual on the job needs to know and understand how to:
	SA25. Avoid absenteeism
	SA26. Act objectively , rather than impulsively or emotionally when faced with
	difficult/stressful or emotional situations
	SA27. Work in disciplined factory environment
	SA28. Be punctual
	Material, Equipment and Manpower Handling
	The user/individual on the job needs to know and understand how to:
	SB1. Handle compounding vessels .
	SB2. Handling different types of machines used for processing latex compound
	SB3. Handle the ingredients used for latex compound preparation.
	SB4. Handling water treatment plants for the production of compounding water
6 1 101111	SB5. Handling of various types of material handling equipment
B. Professional Skills	SB6. The capacity to apply technology, combining the physical and sensory skills
	needed to operate equipment with the understanding of scientific and
	technological principles needed to explore and adapt systems.
	SB7. Handling the coordination among team members
	SB8. Develop multi tasking among team members to smoothen out operations in
	case of absenteeism or any health issue.
	SB9. Report team members issues to HR department that is beyond his control
	Subject Knowledge and Analytical Thinking









The user/individual on the job needs to have:

SB10. Basic Mechanical and Electrical knowledge

SB11. Excellent performance in Science and arithmetic

SB12. Knowledge of GMPs, SOPs and quality standards

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

SB13. Diagnose common problems in the material, machine and compound based on visual inspection and quality checks

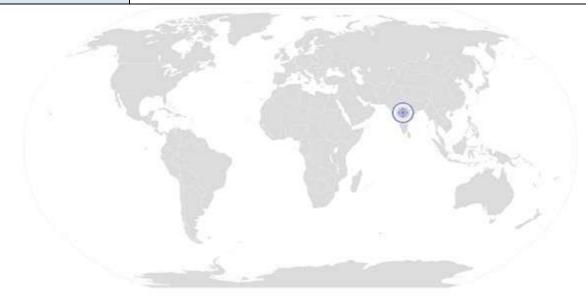
SB14. Suggest improvements(if any) in process based on experience

SB15. Carry out suitable modifications in compound as and when required

SB16. Manage time and human resource effectively

SB17. Arrange to reschedule the mixing of the affected compound urgently

SB18. Take decision to release or hold or dispose off the prepared compound under his/her supervision





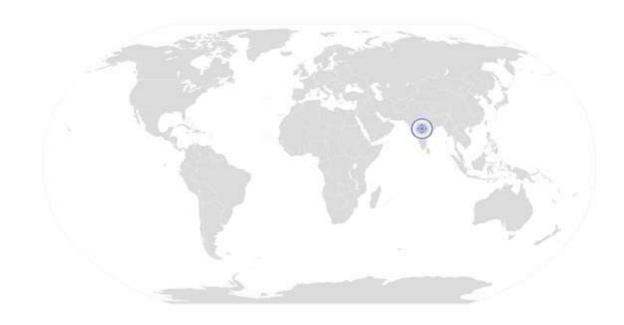






NOS Version Control

NOS Code	RSC / N 1707		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	02/12/14
Industry Sub-sector	Latex	Last reviewed on	02/12/14
Occupation	Latex Compounding/Mixing	Next review date	02/12/15



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National Occupational Standard



Overview

This unit is about carrying out housekeeping



MOG





RSC / N 5001	Netional Occupational Standards Carry Out Housekeeping Activities Transforming the sk
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 Criteria (PC) w.r.t. the Scope
Element	Performance Criteria
	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

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	









Carry Out Housekeeping Activities

Carry Out Housekeeping Activities
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
PC23. Maintain schedules and records for housekeeping duty
PC24. Replenish any necessary supplies or consumables
ing (K)
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
11.7.5
KB12. The importance of applying treatments evenly and the effect of not doing this
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









Carry Out Housekeeping Activities

RSC / N 5001	Carry Out Housekeeping Activities
Skills (S)	
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 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: 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 upstream and downstream teams 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) Integrity The user/individual on the job needs to know and understand how to: 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 Motivation The user/individual on the job needs to know and understand how to: 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 ana









Carry Out Housekeeping Activities

RSC / N 5001	Carry Out Housekeeping Activities
	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.
	Reliability
	The user/individual on the job needs to know and understand how to:
	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



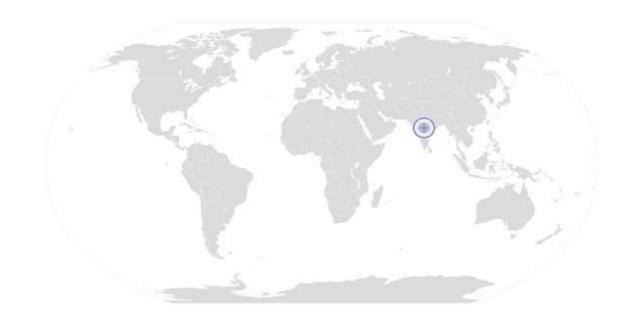








NOS Code	RSC / N 5001		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/14
Industry Sub-sector	Latex	Last reviewed on	14/06/14
Occupation	Latex Compounding/Mixing	Next review date	14/06/15











National Occupational Standard



Overview

This unit is about reporting and documentation







To Carry Out Reporting And Documention MINISTRY OF SOLL DEVELOPMENT & ENTREPRENEURSHIP		
RSC / N 5002		
To carry out reporting and documentation		
This unit is about carrying out reporting and documentation		
This unit/task covers the following:		
Reporting of data/problem/incidents etc		
Documentation		
Information Security		
PC) w.r.t. the Scope		
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		
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 procedure		
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 organizational procedures		
PC10. Inform the appropriate authority of requests for information received		
standing (K)		
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		
KB4. Procedures for reporting to the appropriate authority 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		







RSC / N 5002	To Carry Out Reporting And Documention	MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP	Transforming the skill
	KB10. The actions to be taken if the documents are no	t correct	
	KB11. The importance of maintaining the security and confidentiality of recorded		
	information		
	KB12. Procedures to maintain confidentiality of inform	nation	
	KB13. The appropriate method for responding to requ	ests for information	
	KB14. The reporting procedures to followed before dis	sclosing information to	o any
	outside party		
Chille (C)			
Skills (S)			
	Writing Skills		
	The user/individual on the job needs to know and ur		
	SA1. Construct simple sentences and express ideas of	clearly through writter	n
	communication		_
	SA2. Fill up appropriate technical forms, process cha	rts, activity logs in req	Juired
	format of the company		
	SA3. Write simple letters, mails, etc		
	SA4. Perform functional mathematical operations, in		
	mathematical principles, such as numbers and s		such as
	estimation and approximation, for practical pur	poses	
	Reading and Understanding Skills		
	The user/individual on the job needs to know and un	derstand how to:	
	SA5. Read and understand manuals, health and safe	ty instructions, memo	s, reports,
	job cards etc	- 10 Miles	
	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 un	derstand how to:	
	SA8. Express statements, opinions or information cle	early so that others ca	n 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 requ	ired to support the sn	nall group
	activities (Quality Circle, Cross Functional Team	, Suggestion Scheme)	
	Integrity		
	The user/individual on the job needs to know and un	derstand how to:	
	SA13. Practice honesty with respect to company prop	erty and time	
	SA14. Communicate with people in a form and manne	er and using language	that is
	open and respectful		
	SA15. Resolve any difficulties in relationships with co	lleagues , or get help f	from an
	appropriate person, in a way that preserves goo	odwill and trust	









RSC / N 5002	To Carry Out Reporting And Documention
	Motivation
	The user/individual on the job needs to know and understand how to:
	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.
	Reliability
	The user/individual on the job needs to know and understand how to:
	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









NOS Version Control

NOS Code	RSC / N 5002		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/14
Industry Sub-sector	Latex	Last reviewed on	14/06/14
Occupation	Latex Compounding/Mixing	Next review date	14/06/15



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National Occupational Standard



Overview

This unit is about carrying out quality checks



NOS Nectoral Cooperformal Standards 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
Performance Criteria (PC) w.r.t. the Scope	
Element	Performance Criteria

	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 Unders	standing (K)
B. 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









To Carry Out Quality Checks

RSC / N 5003	To Carry Out Quality Checks
	achievement of the quality objectives,
	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
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
A. Core Skills/	The user/individual on the job needs to know and understand how to:
Generic Skills	SA5. Read and understand manuals, health and safety instructions, memos, reports,
Generic Skiiis	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)









To Carry Out Quality Checks

Integrity		nt	e	g	ri	ty	y
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The user/individual on the job needs to know and understand how to:

- 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

Motivation

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

- 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.

Reliability

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

- 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

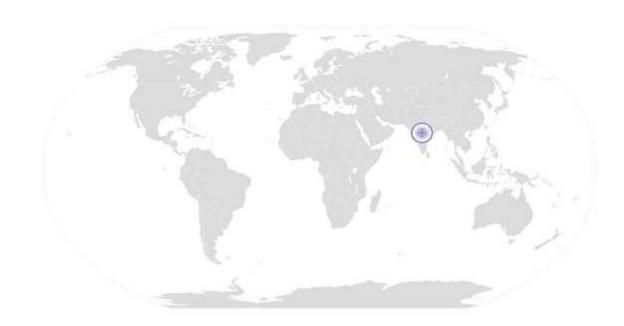








NOS Code	RSC / N 5003					
Credits(NSQF)	TBD	Version number	1.0			
Industry	Rubber Manufacturing	Drafted on	04/06/14			
Industry Sub-sector	Latex	Last reviewed on	14/06/14			
Occupation	Latex Compounding/Mixing	Next review date	14/06/15			











National Occupational Standard



Overview

This unit is about problem identification 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 Crite	eria (PC) w.r.t. the Scope
Element	Performance Criteria
Problem	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 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 identification of problems PC9. Consider applicable corrections and formulate corrective action PC10. Formulate action in a timely manner **Necessary Action** 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 5004 To Carry Out Problem Identification 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 compa	ny
procedures	
PC20. Ensure that no delays are caused as a result of failure to take necessar	ry action
PC21. Escalate problem as per laid down escalation matrix	
PC22. Escalate the problem within stipulated time	
PC23. Escalate the problem in an appropriate manner	
PC24. Ensure that no delays are caused as a result of failure to escalate prob	lems
Knowledge and Understanding (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	
105	bloms
B. Technical KB7. Measures and steps that have been taken to address the previous pro	bieiris
Knowledge KB8. Possible solutions for various problems	
KB9. The correct method for carrying out corrective actions outlined for each	icn
problem	
KB10. The impact of not carrying out the corrective actions	
KB11. The documentation procedure for recording such problems, as per co	mpany
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 escal	ated
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 writter	1
A. Core Skills/ communication	
Generic Skills SA2. Fill up appropriate technical forms, process charts, activity logs in requ	uired
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









To Carry Out Problem Identification 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)

Integrity

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

- SA13. Practice honesty with respect to company property and time
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- SA21. Avoid absenteeism
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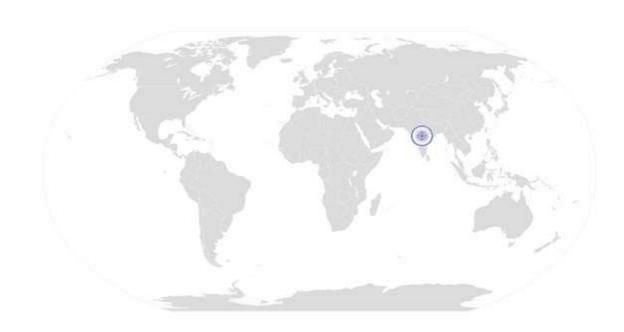




To Carry Out Problem Identification And Escalation

NOS Version Control

NOS Code	RSC / N 5004		
Credits(NSQF)	TBD	Version number	1.0
Industry	Rubber Manufacturing	Drafted on	04/06/14
Industry Sub-sector	Latex	Last reviewed on	14/06/14
Occupation	Latex Compounding/Mixing	Next review date	14/06/15



CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Latex Compounding Supervisor

Qualification Pack RSC/ Q 1703

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

					Marks Allocation		
NOS	Elements	Performance Criteria	Total	Theory	Practical		
RSC / N		PC1. Ensure that the compounding vessels are clean and ready to use.	1	0	1		
1707	Equipment	PC2. Ensure that the tools required for compound preparations are ready.	1	0	1		
Supervise the	Equipment readiness	PC3. Ensure proper control of utilities, viz, water, electricity, compressed air, weighing scale etc.	2	0	2		
preparatio		PC4. Arrange to provide tools like masks, gloves, containers etc. for workers before	2	0	2		

n of latex		starting the operation			
compound		PC5. Ensure that maintenance programme of the machine/s are carried out on regular basis	1	1	0
	Raw material	PC6. Check the material coming from storage house and confirm that it is as per the scheduler	1	1	0
	/Formulation appropriatene	PC7. Ensure the receiving of correct material in compounding area i.e. the material has lab release ID tags or code marking	4	2	2
	SS	PC8. Receive the formulation from the technical and guide the operator for compound preparation as per the schedule and specification	1	1	0
		PC9. Ensure that team members adhere to all safety norms (such as wearing protective gloves ,mask and safety shoes).	6	2	4
		PC10. Ensure fumigations of compounding vessels to prevent bacteria formations and build up	7	3	4
	Health & Safety	PC11. Arrange for hospitalization in case of accident; for first aid, general medication etc. of the team members	1	1	0
		PC12. Avoid spillage and in case of spillage occur, follow safety measures as laid down by safety department	6	2	4
		PC13. Comply with health, safety, environment guidelines and regulations in accordance with international/national standards or the organizational standards.	1	1	0
		PC14. Ensure that operator follow the standard operating procedures of each operations with respect to latex compounding	10	3	7
		PC15. Get compounding dispersions, emulsions and solutions prepared as per formulation	10	3	7
		PC16. Ensure batch preparation as per the daily production needs	7	2	5
	Operation	PC17. Ensure that compounding and maturing is done well before production to have a proper maturity of the latex for smooth and trouble free production	2	2	0
	·	PC18. Ensure that the operator follows the sequence of addition of ingredients and mixing instructions as per the mixing instructions issued by technical (manually/through automated operations)	9	2	7
		PC19. Supervise colour mixing for latex compound if required	3	0	3
		PC20. Ensure all laid out procedures/guidelines are in compliance	6	0	6
		PC21. Keep a check on cycle time (between one batch to another) to attain efficiency	4	2	2

		PC22. Ensure that the mixed compound is stored in designated containers with proper ID tags and hold until release tags in the allotted storage area.	2	2	0
		PC23. Reschedule the preparation of defected/rejected compound	1	1	0
		PC24. Maintain efficiency and attain scheduled target shift wise	1	1	0
		PC25. Requirement of the other departments are met on timely manner	1	1	0
	0	PC26. Ensure to send sample of the prepared compound in the specified sample size and method as directed by the company	3	1	2
	Quality Assurance	PC27. Liaise with QA and QC labs to get results of the compounding done and instruct the team to modify the compounds to required parameters to have a trouble free production	1	1	0
	Diamagal	PC28. Ensure that waste material is disposed off safely, as per organizational SOP.	1	0	1
	Disposal	PC29. Ensure the held up compound is disposed off by technical at the earliest.	1	1	0
	Batch Marking	PC30. Ensure identification and traceability by batch marking/coding for the right product as per the instructions laid down by the company (in terms of batch number, weight, color and date stamp).	2	2	0
	Record Maintenance	PC31. Record full details of batches produced against schedule, down time, reasons for down time, quality issues, other delays and corrective actions taken.	2	2	0
			100	40	60
		PC1. Inspect the area while taking into account various surfaces	3	3	0
		PC2. Identify the material requirements for cleaning the areas inspected, by considering risk, time, efficiency and type of stain	3	3	0
		PC3. Ensure that the cleaning equipment is in proper working condition	3	3	0
RSC/N5001	Pre	PC4. Select the suitable alternatives for cleaning the areas in case the appropriate equipment and materials are not available and inform the appropriate person	3	3	0
To Carry Out	housekeeping activities	PC5. Plan the sequence for cleaning the area to avoid re-soiling clean areas and surfaces	3	3	0
Housekeepi		PC6. Inform the affected people about the cleaning activity	2	2	0
ng		PC7. Display the appropriate signage for the work being conducted	3	3	0
		PC8. Ensure that there is adequate ventilation for the work being carried out	3	3	0
		PC9. Wear the personal protective equipment required for the cleaning method and materials being used	3	3	0

		PC10. Use the correct cleaning method for the work area, type of soiling and surface	3	3	0
		PC11. Carry out cleaning activity without disturbing others	3	3	0
	Operations	PC12. Deal with accidental damage, if any, caused while carrying out the work	3	3	0
	Operations	PC13. Report to the appropriate person any difficulties in carrying out your work	3	3	0
		PC14. Identify and report to the appropriate person any additional cleaning required that is outside one's responsibility or skill	3	3	0
		PC15. Ensure that there is no oily substance on the floor to avoid slippage	9	3	6
		PC16. Ensure that no scrap material is lying around	9	3	6
		PC17. Maintain and store housekeeping equipment and supplies	3	3	0
	Post	PC18. Follow workplace procedures to deal with any accidental damage caused during the cleaning process	3	3	0
	housekeeping	PC19. Ensure that, on completion of the work, the area is left clean and dry and meets requirements	8	2	6
	activities	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	3	3	0
		PC21. Dispose the waste garnered from the activity in an appropriate manner	9	3	6
		PC22. Dispose of used and un-used solutions according to manufacturer's instructions, and clean the equipment thoroughly	9	3	6
		PC23. Maintain schedules and records for housekeeping duty	3	3	0
	General	PC24. Replenish any necessary supplies or consumables	3	3	0
			100	70	30
		PC1. Report data/problems/incidents as applicable in a timely manner	12	8	4
	Reporting	PC2. Report to the appropriate authority as laid down by the company	12	8	4
RSC/N5002 To Carry Out	. 5	PC3. Follow reporting procedures as prescribed by the company	12	8	4
		PC4. Identify documentation to be completed relating to one's role	10	6	4
Reporting	Recording and	PC5. Record details accurately an appropriate format	16	6	10
And Documenta	Documentatio n	PC6. Complete all documentation within stipulated time according to company procedure	14	4	10
tion	11	PC7. Ensure that the final document meets with the requirements of the persons who requested it or make any amendments accordingly	6	4	2

		PC8. Make sure documents are available to all appropriate authorities to inspect	6	4	2
	Information	PC9. Respond to requests for information in an appropriate manner whilst following organizational procedures	6	6	0
	Security	PC10. Inform the appropriate authority of requests for information received	6	6	0
			100	60	40
		PC1. Ensure that total range of checks are regularly and consistently performed	24	10	14
	Inspection	PC2. Use appropriate measuring instruments, equipment, tools, accessories etc ,as required	24	10	14
		PC3. Identify non-conformities to quality assurance standards	6	4	2
		PC4. Identify potential causes of non-conformities to quality assurance standards	5	3	2
	Analysis	PC5. Identify impact on final product due to non-conformance to company standards	5	3	2
RSC/N5003 To Carry Out Quality Checks	Analysis	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
	Reporting	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
			100	60	40
		PC1. Identify defects/indicators of problems	7	4	3
RSC/N5004 To Carry Out		PC2. Identify any wrong practices that may lead to problems	6	3	3
	Problem	PC3. Identify practices that may impact the final product quality	6	3	3
Out Problem	Identification	PC4. Identify if the problem has occurred before	5	3	2
Problem Identificati		PC5. Identify other operations that might be impacted by the problem	6	4	2
on And		PC6. Ensure that no delays are caused as a result of failure to escalate problems	5	3	2
Escalation	Necessary	PC7. Take appropriate materials and sample, conduct tests and evaluate results to	8	5	3

Action	establish reasons to confirm suspected reasons for non-conformance (where required)			
	PC8. Consider possible reasons for identification of problems	8	5	3
	PC9. Consider applicable corrections and formulate corrective action	3	3	0
	PC10. Formulate action in a timely manner	3	3	0
	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
	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
Problem	PC22. Escalate the problem within stipulated time	4	3	1
Escalation	PC23. Escalate the problem in an appropriate manner	3	2	1
	PC24. Ensure that no delays are caused as a result of failure to escalate problems	3	2	1
		100	70	30