





QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR ELECTRONICS INDUSTRY

What are Occupational Standards(OS)?

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

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Introduction

Qualifications Pack-Wireman - Control panel

SECTOR: ELECTRONICS

SUB-SECTOR: INDUSTRIAL ELECTRONICS

OCCUPATION: MANUFACTURING

REFERENCE ID: ELE/Q7302

ALIGNED TO: NCO-2004/7137.20

Wireman – Control Panel: The Control Panel Wireman reads the wiring diagram and routes and wires various components within the panel in accordance to the diagram

Brief Job Description: The individual at work is responsible for wiring all components present within the panel as per specifications provided by the design engineering team.

Personal Attributes: The individual must have the ability to work in high-decibel noise environment and in a standing position for long hours.

Qualifications Pack Code	ELE/Q7302		
Job Role	Wireman – Control Panel		
Credits	TBD	Version number	1.0
Sector	Electronics	Drafted on	17/02/14
Sub-sector	Industrial Electronics	Last reviewed on	24/03/15
Occupation	Manufacturing	Next review date	24/03/16
NSQC Clearance on		18/05/15	

Job Role	Wireman – Control Panel
Role Description	Route cables and connect to various components in the panel in accordance with the wiring diagram developed by the design team
NSQF level	3
Minimum Educational Qualifications	10 th standard passed
Maximum Educational Qualifications	ITI/Diploma (Electronics/Electrical)
Prerequisite License or Training	NA
Training	Not applicable
Minimum Job Entry Age	18 years
Experience	Not applicable
Applicable National Occupational Standards (NOS)	Compulsory: 1. ELE/N7302 Wire control panel 2. ELE/N9962 Interact with co-workers 3. ELE/N9963 Maintain safe work surroundings Optional: NA
Performance Criteria	As described in the relevant OS units



Skilling India in Electronics







Keywords /Terms	Description
Sector	Sector is a conglomeration of different business operations having similar business 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 an area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Sub-function	Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance criteria are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications 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.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding	Knowledge and understanding are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.



Core Skills/ Generic

Qualifications Pack for Wireman – Control Panel





Acronyms

Skills	and working in today's world. These skills are typically needed in any work environment 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.
Keywords /Terms	Description
NOS	National Occupational Standard(s)
NVQF	National Vocational Qualifications Framework
NSQF	National Skills Qualifications Framework
NVEQF	National Vocational Education Qualifications Framework
QP	Qualifications Pack

Core skills or generic skills are a group of skills that are the key to learning









Wire Control Panel

National Occupational Standard



Overview

This unit is about routing and wiring electrical and electronic components in a control panel as per the wiring diagram.









Wire Control Panel

1	Unit Code	ELE/N7302
	Unit Title (Task)	Wire Control Panel
	Description	This OS unit is about routing and wiring electrical and electronic components in a control panel as per the wiring diagram
	Scope	This unit/ task covers the following: Identify work requirement from the supervisor
		Wire the control panel
		Report problems to supervisor
		Achieve productivity, quality and safety standards as per company's norms
I	Performance Criteria(P	C) w.r.t. the Scope
ı	Element	Performance Criteria
	Identify work	To be competent, the user/ individual must be able to:
	requirement	PC1. interact with the supervisor in order to identify the production
		schedule PC2. plan the day's production activities based on the supervisor's
		instructions
		PC3. use wiring drawings, job instructions work manuals
		PC4. check availability of materials required for wiring
	Wiring the control	To be competent, the user/individual must be able to:
	panel	PC5. collect wire or cables to carry out the wiring process PC6. ensure that the panel is positioned as prescribed, following safety norms
		PC6. ensure that the panel is positioned as prescribed, following safety norms PC7. ensure that tools and equipment used in the wiring process are in safe and
		usable condition
		PC8. install the feeder pipe in the panel
		PC9. pull the feeder wires into the panel through the feeder pipe installed
		PC10. ensure that there is enough wire to get to the opposite end of the control
		panel
		PC11. connect the neutral wire to the neutral bus of the panel
		PC12. strip the wire just enough before making any connections PC13. follow the wiring diagram in order to install the branch circuit wires
		PC13. follow the wiring diagram in order to install the branch circuit wires PC14. ensure that the outer sheathing is stripped in order to expose the conductor
		PC15. connect all the bare copper wires to the ground bus
		PC16. make sure that wires used for installation are of appropriate size
		PC17. use the wiring diagram accurately to meet the specifications
		PC18. ensure that approved components or modules are available in good condition
		PC19. bend the wires so that the wiring has a neat appearance after completion
		PC20. follow applicable local electrical codes and standards
	Danautina ta assault	PC21. return all tools and equipment to stores at the end of each day's activities
	Reporting to superior	To be competent, the user/individual must be able to: PC22. highlight any errors in previous step of the assembly process identified
		PC23. report defective or inadequate number of components in time
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ELE/N7302	Wire Control Panel

ELE/N7302	Wire Control Panel
	PC24. report about inadequate quantity of consumables such as connectors, screws, nuts, etc.
Achieving productivity, quality and safety standards	To be competent, the user/ individual must be able to: PC25. achieve 100% work schedule as planned for the day PC26. meet 100% daily or monthly target PC27. achieve zero errors in assembling as per company policy PC28. achieve zero component damage PC29. check any repetitive defects during the assembly process PC30. keep work area clean and organised PC31. identify problems on the assembly line and alert in time PC32. achieve 100% compliance with health and safety guidelines and rules
Knowledge and Unders	
A. Organizational Context (Knowledge of the company /organization and its processes)	KA1. The individual on the job needs to understand: KA2. company's policies on: incentives, delivery standards and personnel management KA3. reporting and documentation processions KA4. importance of the individual's role in the workflow reporting structure
B. Technical Knowledge	The individual on the job needs to know and understand: KB1. electro-mechanical assembly and wiring instructions KB2. hazards associated with panel assembly and wiring and how to avoid them KB3. general principles of wiring and assembly KB4. insulation stripping, securing of cables and wires, cable routing, cable forming or bending, colour coding wires and cables KB5. types of cables such as single and multi-core fibre optic cables, etc. KB6. types of components and sub-assemblies used in the panel assembly process KB7. preparations and precautions to be taken on the components and the panel before assembly process KB8. basics of automation and electro mechanical control systems KB9. regulations applicable during selection of wiring/cabling KB10. methods of attaching labels, warning signs on the panel KB11. operation of PLCs, relays, contactors, circuit breakers, solenoids, actuators, controllers, etc. KB12. motors, generators, starters and their controls KB13. safety norms in handling electrical/electronic components and electrostatic discharge KB14. customer safety requirements for all projects being implemented and other applicable safety standards KB15. ISO standards and procedures applicable for assembly activities fundamentals of electricity such as Ohms law, difference between AC and DC, series and parallel connections KB17. components such as diode, transformer, LED, transistor, capacitor, resistor, inductor, thermistor, ICS KB18. how to read values, colour coding, polarity, orientation, tolerance









ELE/N	N7302	Wire Control Panel
		KB19. specific safety precautions while working in an electronic assembly unit
		KB20. protective gear such as goggles, gloves, rubber shoes, etc.
		KB21. selection and maintenance of various tools used during the assembly process
		KB22. frequently occurring errors, causes and preventive measures
		KB23. work place norms such as 5S and Kaizen
Skills ((S)	
	ore Skills/	Writing Skills
Ge	eneric Skills	The individual on the job needs to know and understand how to:
		SA1. read drawings and job sheets or work orders
		SA2. use computers for documentation or record keeping
		SA3. complete forms such as work orders, invoices, maintenance records
		Reading Skills
		The individual on the job needs to know and understand how to:
		SA4. read warnings, instructions and other text material on product labels,
		components, etc.
		Oral Communication (Listening and Speaking skills)
		The individual on the job needs to know and understand how to:
		SA5. Interact with supervisor to achieve the daily production target
		SA6. Interact with co-workers in order to share and learn
B. Pr	rofessional Skills	Decision Making
		The user/individual on the job needs to know and understand how to:
		SB1. apply colour codes, labels and specifications
		SB2. apply packaging standards and product delivery modes
		SB3. apply quality standards and pricing of product
		Plan and Organize
		The user/individual on the job needs to know and understand how to:
		SB4. deliver work on time to the next process
		SB5. share work load with other operators
		Customer Centricity
		Nil
		Problem Solving
		The user/individual on the job needs to know and understand how to:
		SB6. create a hazard-free work environment
,		Analytical Thinking
		The user/ individual on the job needs to know and understand how to:
		SB7. interpret accurately drawings, wiring and job specifications/instructions
		Critical Thinking
		The user/ individual on the job needs to know and understand how to:
		SB8. improve work processes









Wire Control Panel

NOS Version Control

NOS Code		ELE/N7302		
Credits	TBD	Version number	1.0	
Industry	Electronics	Drafted on	17/02/14	
Industry Sub-sector	Industrial Electronics	Last reviewed on	24/03/15	
Occupation	Manufacturing	Next review date	24/03/16	





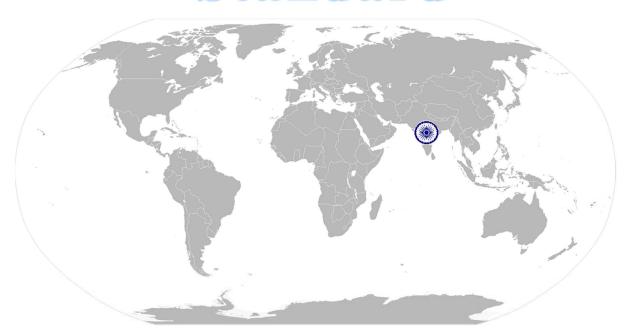






Interact with Co-Workers

National Occupational Standard



Overview

This unit is about the individual's level of communication with co-workers and other departments within the organisation. It determines the ability to work as a team member to achieve the required deliverables on schedule.









Interact with Co-Workers

Unit Code	ELE/N9962
Unit Title (Task)	Interact with co workers
Description	This OS unit is about communicating with colleagues and seniors in order to achieve smooth work flow
Scope	 This unit/ task covers the following: Interact with supervisor or superior Coordinate with colleagues
Performance Criteria	(PC) w.r.t. the Scope
Element	Performance Criteria
Interacting with supervisor Interacting with colleagues	To be competent, the user/ individual must be able to: PC1. identify work requirements, targets and incentives PC2. learn about new product models, their features and functions PC3. report problems identified in the field PC4. escalate customer concerns that conot be handled on field PC5. resolve personnel issues PC6. receive feedback on work standards and customer satisfaction PC7. communicate any potential hazards at a particular location PC8. meet given targets PC9. deliver work of expected quality despite constraints PC10. have feedback from a happy and satisfied customer To be competent, the user/ individual must be able to: PC11. resolve inter-personnel conflicts and achieve smooth workflow PC12. receive spares from tool room or stores PC13. deposit faulty modules and tools to stores PC14. pass on customer complaints to colleagues in a respective geographical area PC15. assist colleagues with resolving field problems PC16. share knowledge and experience gained through every day work PC17. clearly demarcate roles of each team member
Knowledge and Unde	erstanding (K)
A. Organizational Context (Knowledge of the company /organization and its processes)	KA2. importance of the individual's role in the workflow KA3. reporting structure
B. Technical Knowledge	The individual on the job needs to know and understand: KB1. how to communicate effectively KB2. how to build team coordination









Interact with Co-Workers

interact with Co-workers		
Skills (S)		
A. Core Skills/	Writing Skills	
Generic Skills	The user/ individual on the job needs to know and understand how to:	
	SA1. document the completed work on computer and paper	
	SA2. note problems on job sheet and details of work done	
	Reading Skills	
	The user/ individual on the job needs to know and understand how to:	
	SA3. read the standard operating procedures	
	Oral Communication (Listening and Speaking skills)	
	The user/ individual on the job needs to know and understand how to: SA4. receive and ask for clarifications from supervisor on the job requirement	
	SA4. Teceive and ask for clarifications from supervisor of the job requirement	
B. Professional Skills	Decision Making	
	The user/individual on the job needs to know and understand how to: SB1. how to report potential areas of disruptions to work process SB2. when to report to supervisor and when to deal with a colleague depending on the type of concern	
	Plan and Organize	
	The user/individual on the job needs to know and understand how to: SB3. to deliver product to next work process on time	
	Customer Centricity	
	Nil	
	Problem Solving	
	Nil	
	Analytical Thinking	
	The user/ individual on the job needs to know and understand how to:	
	SB4. how to improve work process	
	Critical Thinking	
	The user/ individual on the job needs to know and understand how to: SB5. how to spot process disruptions and delays	









Interact with Co-Workers

NOS Version Control

NOS Code		ELE/N9962				
Credits	TBD	Version number	1.0			
Industry	Electronics	Drafted on	17/02/14			
Industry Sub-sector	Industrial Electronics	Last reviewed on	24/03/15			
Occupation	Manufacturing	Next review date	24/03/16			





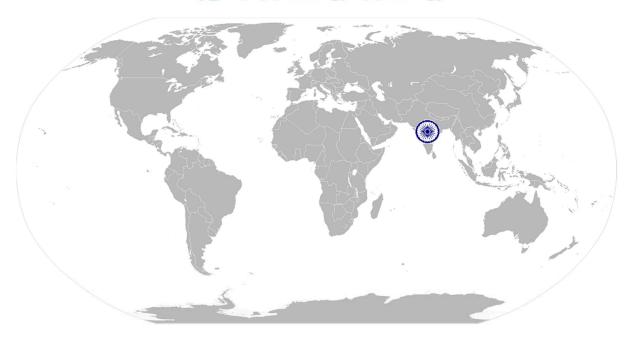






Maintain Safe Work Surroundings

National Occupational Standard



Overview

This unit is about the individual's effort to maintain a safe, healthy and secure working environment









Maintain Safe Work Surroundings

Unit Code	ELE/N9963
Unit Title (Task)	Miantain safe work surroundings
Description	This OS unit is about following adequate safety procedures to make work environment safe
Scope	This unit/ task covers the following:
	Follow standard safety procedures of the company
	Participate in company's safety and fire drills
	Maintain good posture at work for long term health
Performance Criteria(P	C) w.r.t. the Scope
Element	Performance Criteria
Following safety measures and standards	To be competent, the user/ individual must be able to: PC1. comply with general safety procedures followed in the company follow standard safety procedures while handling an equipment, hazardous material or tool PC3. remove rings or any other metal objects before working on the unit PC4. use of safety materials such as goggles, gloves, ear plugs, caps, ESD pins, covers, shoes, etc. PC5. escalate about any hazardous materials or things found in the premises PC6. report about any breach of safety procedure in the company PC7. ensure zero accidents at work PC8. avoid damage of components due to negligence in ESD procedures PC9. regularly participate in fire drills or other safety related workshops organised by the company PC10. ensure no loss for company due to safety negligence
Maintaining good health and posture	To be competent, the user/ individual must be able to: PC11. maintain appropriate posture, especially in long hours of sitting or standing position and in handling heavy materials PC12. participate in company organised health sessions such as yoga, physiotherapy or games PC13. handle heavy and hazardous materials with care and using appropriate tools and handling equipment such as trolleys, jacks and ladders
Knowledge and Unders	
A. Organizational Context (Knowledge of the company /organization and its processes)	The individual on the job needs to know and understand: KA1. company's policies on: incentives, delivery standards, and personnel management KA2. company occupational safety and health policy followed KA3. company emergency evacuation procedure KA4. company's medical policy









Maintain Safe Work Surroundings

EEE/1 (35 CC	Maintain Safe Work Surroundings			
B. Technical	The individual on the job needs to know and understand:			
Knowledge	KB1. how to maintain the work area safe and secure			
	KB2. how to handle hazardous materials, tools and equipment			
	KB3. emergency procedures to be followed such as fire accidents, etc.			
	KB4. long term value of good posture and use of appropriate handling equipment			
Skills (S)				
A. Core Skills/	Writing Skills			
Generic Skills	The user/ individual on the job needs to know and understand how to:			
	SA1. document the incidents			
	SAI. document the incidents			
	Reading Skills			
	The user/individual on the job needs to know and understand how to:			
	SA2. read the labels and standard operating procedure manual for different safety			
	equipment			
	Oral Communication (Listening and Speaking skills)			
	The user/ individual on the job needs to know and understand how to:			
	SA3. communicate with supervisor or authority about hazard or emergency			
	SA4. communicate in local language			
	374. Communicate in local language			
B. Professional Skills	Decision Making			
	NA NA			
,	Plan and Organize			
,	NA S			
	Customer Centricity			
	NA			
	Problem Solving			
	-NA			
	Analytical Thinking			
	NA NA			
	Critical Thinking			
	The user/ individual on the job needs to know and understand how to:			
	SB1. spot and report potential hazards			
				









Maintain Safe Work Surroundings

NOS Version Control

NOS Code		ELE/N9963				
Credits	TBD	Version number	1.0			
Industry	Electronics	Drafted on	17/02/14			
Industry Sub-sector	Industrial Electronics	Last reviewed on	24/03/15			
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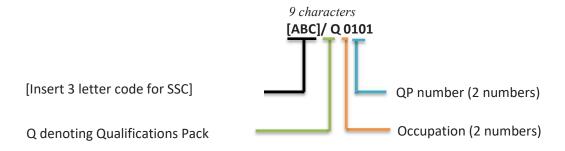




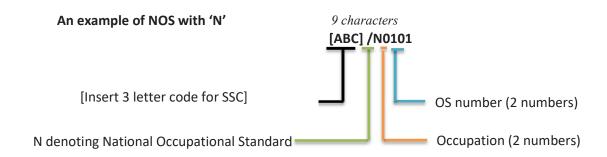
Annexure

Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard



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

Sub-sector	Range of Occupation numbers
Passive Components	01 - 10
Semiconductors	11 - 20
PCB Manufacturing	21 - 30
Consumer Electronics	31 - 40
IT Hardware	41 - 50
PCB Assembly	51 - 55
Solar Electronics	56 - 60
Strategic Electronics	61 - 65
Automotive Electronics	66 - 70
Industrial Electronics	71 - 75
Medical Electronics	76 - 80
Communication Electronics	81 - 85
PCB Design	86 - 90
LED	91 - 95

Sequence	Description	Example
Three letters	Electronics	ELE
Slash	/	/
Next letter	Whether Q P or N OS	Q
Next two numbers	Occupation code	01
Next two numbers	OS number	01







CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role: Wireman – Control Panel

Qualification Pack: ELE/Q7302

Sector Skill Council: Electronics Sector Skill Council of India

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

				Marks A	Allocation
Element	Performance Criteria	Total Marks (400)	Out Of	Theory	Skills Practical
	ELE/N7302 Wire control panel				
	PC1. interact with the supervisor in order to identify the production schedule	100	4	2	2
Interacting with customer prior to visit	PC2. plan the day's production activities based on the supervisor's instructions		4	1	3
	PC3. use wiring drawings, job instructions or work manuals		4	2	2
	PC4. check availability of materials required for wiring		4	1	3
Wiring the control panel	PC5. collect wire or cables to carry out the wiring process		3	1	2
	PC6. ensure that the panel is positioned as prescribed, following safety norms		4	2	2
	PC7. ensure that tools and equipment used in the wiring process are in safe and usable condition		3	1	2
	PC8. install the feeder pipe in the panel		3	1	2
	PC9. pull the feeder wires into the panel through the feeder pipe installed		4	2	2







				Marks A	Allocation
Element	Performance Criteria	Total Marks (400)	Out Of	Theory	Skills Practical
	PC10. ensure that there is enough wire to get to the opposite end of the control panel		3	1	2
	PC11. connect the neutral wire to the neutral bus of the panel		3	1	2
	PC12. strip the wire just enough before making any connections		3	1	2
	PC13. follow the wiring diagram in order to install the branch circuit wires		3	1	2
	PC14. ensure that the outer sheathing is stripped in order to expose the conductor		3	1	2
	PC15. connect all the bare copper wires to the ground bus		3	1	2
	PC16. make sure that wires used for installation are of appropriate size		3	1	2
	PC17. use the wiring diagram accurately to meet the specifications		4	2	2
	PC18. ensure that approved components or modules are available in good condition		3	1	2
	PC19. bend the wires so that the wiring has a neat appearance after completion		3	1	2
	PC20. follow applicable local electrical codes and standards		3	1	2
	PC21. return all tools and equipment to stores at the end of each day's activities		3	1	2
	PC22. highlight any errors in previous step of the assembly process identified		4	2	2
Reporting to superior	PC23. report defective or inadequate number of components in time		4	2	2
	PC24. report about inadequate quantity of consumables such as connectors, screws, nuts, etc.		4	2	2







				Marks A	Allocation
Element	Performance Criteria	Total Marks (400)	Out Of	Theory	Skills Practical
	PC25. achieve 100% work schedule as planned for the day		2	1	1
	PC26. meet 100% daily or monthly target]	2	1	1
Achieving	PC27. achieve zero errors in assembling as per company policy		2	1	1
productivity,	PC28. achieve zero component damage		2	1	1
quality and safety	PC29. check any repetitive defects during the assembly process		3	1	2
standards	PC30. keep work area clean and organized		3	1	2
	PC31. identify problems on the assembly line and alert in time		2	1	1
	PC32. achieve 100% compliance with health and safety guidelines and rules		2	1	1
	, , , ,	TOTAL	100	40	60
	ELE/N9962 Interact with co-worke	ers			
	PC1. Identify work requirements, targets and		_	2	2
	incentives		5	2	3
	PC2. learn about new product models, their features and functions		5	2	3
	PC3. report problems identified in the field		5	2	3
	PC4. escalate customer concerns that cannot be handled on field		5	2	3
Interacting with	PC5. resolve personnel issues		5	2	3
supervisor	PC6. receive feedback on work standards and customer satisfaction		5	2	3
	PC7. communicate any potential hazards at a particular location	100	5	2	3
	PC8. meet given targets	100	5	2	3
	PC9. deliver work of expected quality despite constraints		5	2	3
	PC10. have feedback from a happy and satisfied customer		5	2	3
	PC11. resolve inter-personnel conflicts and achieve smooth workflow		8	3	5
Internative 101	PC12. receive spares from tool room or stores]	7	2	5
Interacting with colleagues	PC13. deposit faulty modules and tools to stores]	7	3	4
coneagues	PC14. pass on customer complaints to colleagues in a respective geographical area		7	3	4
	PC15. assist colleagues with resolving field problems]	7	3	4







				Marks A	Allocation
Element	Performance Criteria	Total Marks (400)	Out Of	Theory	Skills Practical
	PC16. share knowledge and experience gained through every day work		7	3	4
	PC17. clearly demarcate roles of each team member		7	3	4
		TOTAL	100	40	60
	ELE/N9963 Maintain safe work Surrou	ndings			
	PC1. comply with general safety procedures followed in the company		6	3	3
	PC2. follow standard safety procedures while handling an equipment, hazardous material or tool		6	3	3
	PC3. remove rings or any other metal objects before working on the unit	100	6	2	4
	PC4. use of safety materials such as goggles, gloves, ear plugs, caps, ESD pins, covers, shoes, etc.		6	2	4
Following safety measures and	PC5. escalate about any hazardous materials or things found in the premises		6	2	4
standards	PC6. report about any breach of safety procedure in the company		6	2	4
	PC7. ensure zero accidents at work		6	2	4
	PC8. avoid damage of components due to negligence in ESD procedures		6	3	3
	PC9. regularly participate in fire drills or other safety related workshops organized by the company		6	3	3
	PC10. ensure no loss for company due to safety negligence		6	3	3
Maintaining good health and posture	PC11. maintain appropriate posture, especially in long hours of sitting or standing position and in handling heavy materials		15	5	10
	PC12. participate in company organized health sessions such as yoga, physiotherapy or games		10	5	5
	PC13. handle heavy and hazardous materials with care and using appropriate tools and handling equipment such as trolleys, jacks and ladders		15	5	10
		TOTAL	100	40	60