





QUALIFICATION PACK – OCCUPATIONAL STANDARD FOR APPAREL, MADE-UP'S AND HOME FURNISHING SECTOR

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
- performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the understanding

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Introduction

Qualification Pack - Sewing Machine Operator

SECTOR: APPAREL, MADE-UP'S AND HOME FURNISHING

SUB SECTOR: Apparel / Made-Up's / Home Furnishing

OCCUPATION: Stitching

REFERENCE ID: AMH/Q0301

ALIGNED TO: NCO – 2004 / 8263.10

Sewing Machine Operations involves stitching of components of garments together using a sewing machine. The role of a sewing machine operator is very critical to the industry as it enhances the quality of the product.

Brief Job Description:A Sewing Machine Operator, also called a 'Stitcher or Machinist' is an important job-role associated with Apparel sector. The primary responsibility of a machinist is to stitch/ sew fabric, fur, or synthetic materials to produce apparels.

Personal Attributes:A Sewing Machine Operator should have good eyesight, eyehand-leg coordination, motor skills and vision (including near vision, distance vision, colour vision, peripheral vision, depth perception and ability to change focus).







Qualifications Pack Code	AMH/Q0301			
Job Role	9	Sewing Machine Operato	or	
Credits(NSQF)	TBD Version number 1.0			
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14	
Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14	
Occupation	Stitching	Next review date	01/10/14	
NSQC Clearance On*	18/06/15			

Job Role	Sewing Machine Operator	
Role Description	To sew fabric, fur or synthetic materials to produce apparels in garment industry	
NSQF level	4	
Minimum Educational Qualifications*	Preferably Class V	
Maximum Educational Qualifications*	NA	
Training (Suggested but not mandatory)	Preferably Training on Sewing Operation	
Minimum Job Entry Age	18 years	
Experience	Preferably 2 years of experience in woven &knits operations	
Applicable National Occupational Standards (NOS)	Preferably 2 years of experience in woven &knits operations Compulsory 1. AMH/N0301Carry out stitching activities using machine or by hand 2. AMH/N0302Contribute to achieve product quality in stitching operations 3. AMH/N0102Maintain work area, tools and machines 4. AMH/N0103Maintain health, safety and security at workplace 5. AMH/N0104Comply with industry, regulatory and organizational requirements Optional: N.A.	
Performance Criteria	As described in the relevant OS units	







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.
Vertical	Vertical may exist within a sub-sector representing different domain areas
	or the client industries served by the industry.
Occupation	Occupation is a set of job roles, which perform similar/related set of
	functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector,
	occupation, or area of work, which can be carried out by a person or a
	group of persons. Functions are identified through functional analysis and
	form the basis of OS.
Sub-functions	Sub-functions are sub-activities essential to fulfil achieving the objectives of
	the function.
Job role	Job role defines a unique set of functions that together form a unique
	employment opportunity in an organization.
Occupational Standards	OS specify the standards of performance an individual must achieve when
(OS)	carrying out a function in the workplace, together with the knowledge and
	understanding; he/she needs 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	NOS are Occupational Standards which apply uniquely in the Indian context.
Standards (NOS)	
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a
	qualifications pack.
Qualifications Pack(QP)	Qualifications Pack comprises the set of OS, together with the educational,
	training and other criteria required to perform a job role. A Qualifications
	Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an 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 find the required one.
Scope	Scope is the set of statements specifying the range of variables that an
	individual may have to deal with in carrying out the function which have a
	critical impact on the quality of required performance.
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 up to the required standard.









Organizational	Organizational Context includes the way the organization is structured and
Context	how it operates, including the extent of operative knowledge managers
	have of their relevant areas of responsibility.
Technical	Technical Knowledge is the specific knowledge needed to accomplish
Knowledge	specific designated responsibilities.
Core Skills/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.
Helpdesk	Helpdesk is an entity to which the customers will report their IT problems. IT
	Service Helpdesk Attendant is responsible for managing the helpdesk.

Keywords /Terms	Description
OS	Occupational Standard(s)
NOS	National Occupational Standard(s)
QP	Qualifications Pack
NSQF	National Skill Qualifications Framework
TBD	To Be Determined







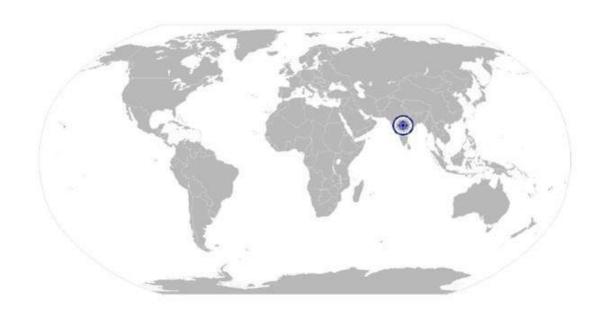




AMH/N0301

Carry out stitching activities using machine or by hand

National Occupational Standard



Overview

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to stitch components using machines or by hand.







National Occupational Standards

AMH/N0301 Carry out stitching activities using machine or by hand

Unit Code	AMH/N0301		
Unit Title (Task)	Carry out stitching activities using machine or by hand		
Description	This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to stitch components using machines or by hand.		
Scope	This unit/task covers the following:		
	 Prepare for stitching operations Stitch components to produce apparels 		
Performance Criteria(Po	C) w.r.t. the Scope		
Element	Performance Criteria		
Prepare for stitching	To be competent, the user/individual on the job must be able to:		
operations	PC1. Make sure the work area is free from hazards		
	PC2. Follow the instructions on the work ticket/ job card in line with the responsibilities of respective job role		
	PC3. Ask questions to obtain more information on tasks when the		
	instructions you have are unclear		
	PC4. Agree and review your agreed upon work targets with your supervisor		
	and check for special instructions, if any		
	PC5. Use the correct tools and equipments		
	PC6. Check that equipment is safe and set up in readiness for use		
	PC7. Select the correct component parts for the style being worked on		
	PC8. Check that the materials to be used are free from faults		
	PC9. Ensure the materials used meet the specification matching		
	Within a product		
	Between a pair of products where applicable		
	PC10. Carry out test sews		
	PC11. Check needles, awls and threads regularly		
	PC12. Check if fabric / Component is correctly marked and pieces cut as required		
	PC13. Fabric pieces and linings are pinned or sewn together as required, and		
	appropriately hung in readiness for assembly.		
	PC14. Report faults in the materials		
	PC15. Conform to company quality standards		
	PC16. Report any damaged work to the responsible person		
	PC17. Follow company reporting procedures about defective tools and		
	machines which affect work and report risks/ problems likely to affect		
	services to the relevant person promptly and accurately		
	PC18. Sort and place work to assist the next stage of production and		
	minimize the risk of damage		
	PC19. Leave work area safe and secure when work is complete		
	PC20. Complete forms, records and other documentation		
Stitch components to	PC21. Examine the specific item to identify what type of stitching is best		
produce apparels	suited		
	PC22. Estimate the expected length of time for the processrole		







National Occupational Standards

AMH/N0301 Carry out stitching activities using machine or by hand

PC23. Set up machine (Apparel Sewing machine) according to
manufacturers' instructions and production requirements
PC24. Set machine controls for the materials being stitched
PC25. Cut the thread appropriately
PC26. Thread the needle in the machine and adjust the needle as per the
requirements
PC27. Perform a test run to ensure machine is operating correctly
PC28. Report defective machines, tools and/or equipment to the
responsible person
PC29. Operate machines safely and in accordance with guidelines
PC30. Optimize the positioning and layout of materials to ensure a
smooth and rapid throughput
PC31. Check the equipment prior to making the stitching, including:
a) Correct tools
b) Correct attachments
c) Changing needles
d) Changing threads
e) Changing awls
f) Correct timing
PC32. Stitch the correct materials in the right sequence as required by
the production specification
PC33. Ensure stitched product conforms to shape and size requirement
PC34. Ensure stitched products meets specification in terms of
labels and trimmings
PC35. Inspect stitched products against specifications Inspect stitched
products against specifications
PC36. Identify mark and place rejects in the designated locations
PC37. Carry out alterations to meet customer requirements
PC38. Pass the stitched item to the next stage in the manufacturing
process after validation
PC39. Respond accordingly where stitched items do not meet production
specification
PC40. Minimise and dispose the waste materials in the approved
manner
PC41. Seek feedback from team mates on work related performance
PC42. Check with in charge /others when unsure of new product details
PC43. Clean and make safe machines after use
PC44. Carry out basic maintenance of own machines
PC45. Report risks/ problems likely to affect services to the relevant
person promptly and accurately
PC46. Carry out Operations at a rate which maintains workflow and
meets production targets

Knowledge and Understanding (K)







National Occupational Standards

AMH/N0301 Carry out stitching activities using machine or by hand

Α.	Organizational	The user/individual on the job needs to know and understand:
	Context	KA1. The organization's policies and procedures
	(Knowledge of the	KA2. Responsibilities under health, safety and environmental legislation
	company /	KA3. Guidelines for storage and disposal of waste materials
	organization and	KA4. Potential hazards associated with the machines and the safety
	its processes)	precautions that must be taken
	its processes;	KA5. Protocol to obtain more information on work related tasks
		KA6. Contact person in case of queries on procedure or products and for
		resolving issues related to defective machines, tools and/or equipment
		KA7. Details of the various job roles and responsibilities
		KA8. Documentation and reporting formats
		KA9. Work target and review mechanism with your supervisor
		KA10. Protocol and format for reporting work related risks/ problems
		KA11. Method of obtaining/ giving feedback related to performance
		KA11. Importance of team work and harmonious working relationships
		KA12. Importance of team work and flarinomous working relationships KA13. Process for offering/ obtaining work related assistance
В.	Technical	The user/individual on the job needs to know and understand:
	Knowledge	KB1. Knowledge of fabrics/apparels and garments and types of
	Kilowieuge	fabrics/apparels that require stitching by hand or machine stitching
		KB2. Use of specification chart
		KB3. Range of techniques most suited to the different types of apparel
		KB4. Different apparels and their parts
		KB5. Sources of updates on apparels and other related areas
		KB6. Common factors affect stitching
		KB7. Different types of needles
		KB8. Broken needle procedure
		KB9. Thread thickness, shade and sizes and parts of needles
		KB10. Setting up and adjusting machine controls
		KB11. Procedures to set the stitch size
		KB12. The importance of machine, needle, foot needle guard and spool
		checks
		KB13. Knowledge about adjusting the top tension
		KB14. Knowledge of attachments used on the M/C
		KB15. Increase and decrease the foot pressure as applicable
		KB16. Knowledge of bobbins and its part and procedures to adjust bobbins
		KB17. Procedures to use bobbin winder
		KB18. Knowledge to use treadle
		KB19. The typical faults of stitching machines and methods to rectify them
		KB20. The actions to take in the event of a machine ceasing to function
		correctly
		KB21. Common hazards in the work area and workplace procedures for
		dealing with them
		KB22. The main pieces of equipment needed to stitch the item and their
		capabilities
		KB23. The characteristics of the materials and how they differ







National Occupational Standards

AMH/N0301 Carry out stitching activities using machine or by hand KB24. Knowledge about garment parts (pockets, fronts, backs, collars, cuffs, sleeves, etc.) KB25. Assembling different garment parts to make the final product KB26. The problems encountered when stitching different types of apparels KB27. Different types of defects KB28. Knowledge of the sewing machine parts and its application KB29. Maintenance, adjustment and replacement of worn parts on the machines required for different types of attachment KB30. The manufacturer's instructions for setting up, adjusting and operating the equipment KB31. The manufacturer's specifications and instructions for maintenance of equipment KB32. Method of sharing domain related information with team members Safety precautions to be taken when stitching Skills (S) A. Core Skills / **Writing Skills Generic Skills** The user/individual on the job needs to know and understand how to: SA1. Write in English/ local language as applicable SA2. Fill up appropriate technical forms, process charts, activity logs in the prescribed format of the company **Reading Skills** The user/individual on the job needs to know and understand how to: SA3. Read English/ local language as applicable Read and understand manuals, health and safety instructions, memos, reports, job cards etc **Oral Communication (Listening and Speaking Skills)** The user/individual on the job needs to know and understand how to: SA5. Listen actively SA6. Communicate effectively with supervisors, managers, etc **B.** Professional Skills **Decision Making** The user/individual on the job needs to know and understand how to:

SB1.	Analyze the defects and the procedure for dealing with it		
SB2.	Take appropriate actions in terms of any deviations from the process		
Plan a	and Organize		
The u	ser/ individual on the job needs to know and understand how to:		
SB3.	Plan and set the targets along with the supervisors and the co workers		
SB4.	Organize tools and equipments to be used		
SB5.	Plan for placing the different components in an organized manner on a		
	daily basis		
SB6.	Set targets to produce requisite batch of stitched		
	components/garments		
Custo	mer Centricity		
The user/ individual on the job needs to know and understand how to:			
SB7.	Ensure all customer needs are assessed and every effort is made to		
	provide satisfactory service		









AMH/N0301 Carry out stitching activities using machine or by hand

SB8.	Evaluate	and stitch com	ponents as	per client	specifications
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Problem Solving

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

- SB9. Clarify instructions given by the supervisors
- SB10. Identify possible defects with the products
- SB11. Review the defects and take appropriate actions to rectify them
- SB12. Report to the authority if problems cannot be rectified

Analytical Thinking

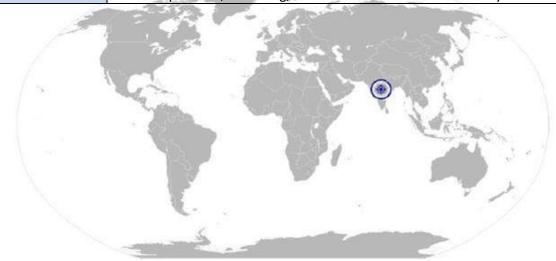
The user/individual on the job needs to know and understand how to:

SB13. Diagnose common problems in the machine based on visual inspection

Critical Thinking

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

- SB14. Assess and control the quality standards of the product as per customer standards
- SB15. Analyze, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently











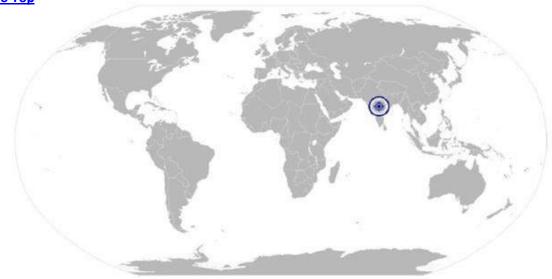


AMH/N0301 Carry out stitching activities using machine or by hand

NOS Version Control

NOS Code	AMH/N0301		
Credits(NSQF)	TBD	Version number	1.0
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14
Industry Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14
Occupation	Stitching	Next review date	18/06/15









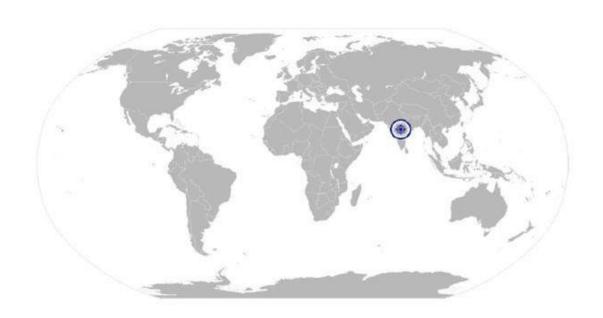






AMH/N0302 Contribute to achieve product quality in stitching operations

National Occupational Standard



Overview

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to monitor the quality of the production while undertaking stitching related activities to ensure products meet specifications.









AMH/N0302 Contribute to achieve product quality in stitching operations

AMH/N0302 Cont	ribute to achieve product quality in stitching operations		
Unit Code	AMH/N0302		
Unit Title (Task)	Contribute to achieve product quality in stitching operations		
Description	This unit provides Performance Criteria, Knowledge & Understanding and Skills		
	& Abilities required to monitor the quality of the production while undertaking		
	stitching related activities to ensure products meet specifications.		
Scope	This unit/task covers the following:		
	 Contribute to achieving the product quality in stitching operations 		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
Contribute to	To be competent, the user/individual on the job must be able to:		
achieving the product	PC1. Identify and use materials required based on the job card/ work ticket		
quality in stitching	PC2. Take the necessary action when materials do not conform to company		
operations	quality standards		
	PC3. Report and replace identified faulty materials and component parts		
	which do not meet specification		
	PC4. Identify modifiable defects and rework on them		
	PC5. Carry out work safely and at a rate which maintains work flow		
	PC6. Report to the responsible person when the work flow of other		
	production areas disrupts work		
	PC7. Test, sort, track feed and examine work in progress		
	PC8. Carry out quality checks at specified intervals according to instructions		
	PC9. Apply the allowed tolerances		
	PC10. Identify faults and take appropriate action for rectification		
	PC11. Make adjustments promptly to return product to specification		
	PC12. Fault-find materials and components for creased, stained, damage and		
	incorrectly made-up component parts		
	PC13. Report faults in other processes to the appropriate person		
	PC14. Maintain the required productivity and quality levels		
	PC15. Complete and maintain documentation		
Knowledge and Unders			
A. Organizational	The user/individual on the job needs to know and understand:		
Context	KA1. Safe working practices and organizational procedures		
(Knowledge of the	KA2. The organization's procedures and guidelines		
company /	KA3. Quality systems and sewing processes practiced in the organization		
organization and	KA4. Equipment operating procedures / manufacturer's instructions		
its processes)	KA5. Types of problems with quality and how to report them to appropriate		
	people		
	KA6. Methods to present any ideas for improvement to line manager		
	KA7. The importance of complying with written instructions		
	KA8. Limits of personal responsibility		
	KA9. Reporting procedure in case of faults in own/ other processes		
D T	KA10. Importance of documentation		
B. Technical	The user/individual on the job needs to know and understand:		
Knowledge	KB1. Different types of faults that are likely to be found and how to put		
	them right		









AMH/N0302 Contribute to achieve product quality in stitching operations

AMH/N0302 Cont	ribute to achieve product quality in stitching operations		
	KB2. Different techniques and methods used to detect faults		
	KB3. Consequences of stitching components out of sequence and how to		
	prevent it occurring		
	KB4. Types of seams/hems/finish used and purposes they serve		
	KB5. Effect of seams/hems not sewn to specifications		
	KB6. Types of faults which may occur, how they are identified and methods		
	to deal with it		
	KB7. Different types of defects		
	KB8. Reasons for keeping stitched items out of contamination		
	KB9. The importance of marking and segregating rejects		
	KB10. Inspect stitched products against specifications		
	KB11. Identify mark and place rejects in the designated locations		
	KB12. Carry out alterations to meet customer requirements		
	KB13. Appropriate inspection methods that can be used		
	KB14. Acceptable solutions for particular faults		
	KB15. The consequences of not rectifying problems		
	KB16. The types of adjustments suitable for specific types of faults		
	KB17. Own responsibilities at work during production		
	KB18. Own quality and production targets and the effect of not meeting		
	these on self and/or the team manufacturer's instructions		
Skills (S)			
A. Core Skills /	Writing Skills		
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. Write in English/ local language as applicable		
	SA2. Fill up appropriate technical forms, process charts, activity logs in the		
	prescribed format of the company		
	Reading Skills		
	The user/ individual on the job needs to know and understand how to:		
	SA3. Read English/ local language as applicable		
	SA4. Read and understand manuals, health and safety instructions, memos,		
	reports, job cards etc.		
	Oral Communication (Listening and Speaking Skills)		
	The user/ individual on the job needs to know and understand how to:		
	SA5. Listen actively		
	SA6. Communicate effectively with supervisors, managers, etc.		
B. Professional Skills	Decision Making		
	The user/ individual on the job needs to know and understand how to:		
	SB1. Analyze the defects and the procedure for dealing with it		
	SB2. Take appropriate actions in terms of any deviations from the process		
	Plan and Organize		
	The user/ individual on the job needs to know and understand how to:		
	SB3. Plan and set the targets along with the supervisors and the co workers		
	SB4. Organize tools and equipments to be used		
	SB5. Plan for placing the different components in an organized manner on a		
	daily basis		
	SB6. Set targets to produce requisite batch of stitched components/		









AMH/N0302 Co	MH/N0302 Contribute to achieve product quality in stitching operations	
	garments	
	Customer Centricity	
	The user/ individual on the job needs to know and understand how to:	
	SB7. Ensure all customer needs are assessed and every effort is made to	
	provide satisfactory service	
	SB8. Evaluate and stitch components as per client specifications	
	Problem Solving	
	The user/ individual on the job needs to know and understand how to:	
	SB9. Clarify instructions given by the supervisors	
	SB10. Identify possible defects with the products	
	SB11. Review the defects and take appropriate actions to rectify them	
	SB12. Report to the authority if problems cannot be rectified	
	Analytical Thinking	
	The user/ individual on the job needs to know and understand how to:	
	SB13. Diagnose common problems in the machine based on visual inspection	
	Critical Thinking	
	The user/individual on the job needs to know and understand how to:	
	SB14. Assess and control the quality standards of the product as per customer standards	
	SB15. Analyze, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently	







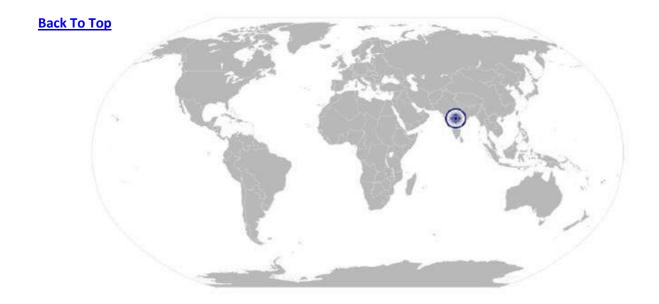




AMH/N0302 Contribute to achieve product quality in stitching operations

NOS Version Control

NOS Code		AMH/N0302	
Credits(NSQF)	TBD	Version number	1.0
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14
Industry Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14
Occupation	Stitching	Next review date	18/06/15





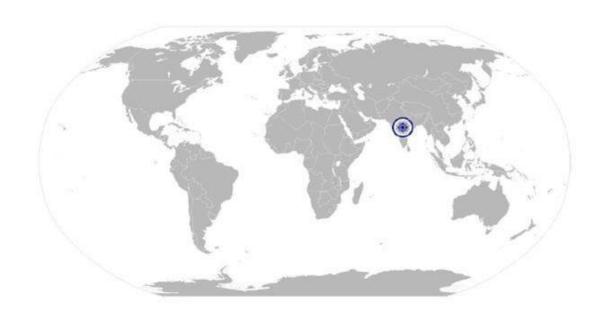






AMH/N0102 Maintain work area, tools and machines

National Occupational Standard



Overview

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to organize/ maintain work areas and activities to ensure tools and machines are maintained as per norms



AMH/N0102

NOS

Maintain work area, tools and machines





National Occupational Standards

Unit Code	AMIL (NO102		
Unit Title (Task)	AMH/N0102 Maintain work area, tools and machines		
Description	This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to organize/ maintain work areas and activities to ensure tools and machines are maintained as per norms		
Scope	Maintain the work area, tools and machines		
Performance Criteria(P	C) w.r.t. the Scope		
Element	Performance Criteria		
Maintain the work area, tools and machines	To be competent, the user/individual on the job must be able to: PC1. Handle materials, machinery, equipment and tools safely and correctly PC2. Use correct lifting and handling procedures PC3. Use materials to minimize waste PC4. Maintain a clean and hazard free working area PC5. Maintain tools and equipment PC6. Carry out running maintenance within agreed schedules PC7. Carry out maintenance and/or cleaning within one's responsibility PC8. Report unsafe equipment and other dangerous occurrences PC9. Ensure that the correct machine guards are in place PC10. Work in a comfortable position with the correct posture PC11. Use cleaning equipment and methods appropriate for the work to be carried out PC12. Dispose of waste safely in the designated location PC13. Store cleaning equipment safely after use PC14. Carry out cleaning according to schedules and limits of responsibility		
Knowledge and Unders			
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. Personal hygiene and duty of care KA2. Safe working practices and organizational procedures KA3. Limits of your own responsibility KA4. Ways of resolving with problems within the work area KA5. The production process and the specific work activities that relate to the whole process KA6. The importance of effective communication with colleagues KA7. The lines of communication, authority and reporting procedures KA8. The organization's rules, codes and guidelines (including timekeeping) KA9. The company's quality standards KA10. The importance of complying with written instructions KA11. Equipment operating procedures / manufacturer's instructions		
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. Work instructions and specifications and interpret them accurately KB2. Method to make use of the information detailed in specifications and instructions		







AMH/N0102

National Occupational Standards Maintain work area, tools and machines

	KB3. Relation between work role and the overall manufacturing process		
	KB4. The importance of taking action when problems are identified		
	KB5. Different ways of minimizing waste		
	KB6. The importance of running maintenance and regular cleaning		
	KB7. Effects of contamination on products i.e. Machine oil, dirt		
	KB8. Common faults with equipment and the method to rectify		
	KB9. Maintenance procedures		
	KB10. Hazards likely to be encountered when conducting routine		
	,		
	maintenance		
	KB11. Different types of cleaning equipment and substances and their use		
	KB12. Safe working practices for cleaning and the method of carrying them		
	out		
Skills (S)			
A. Core Skills /	Writing Skills		
Generic Skills	The user/ individual on the job needs to know and understand how to:		
	SA1. Write and document appropriate technical forms, job cards, inspection		
	sheets as required format of the company		
	Reading Skills		
	The user/ individual on the job needs to know and understand how to:		
	SA2. Read and comprehend basic English to read and interpret indicators in		
	the machine and operating manuals to cards, visual cards		
	SA3. Read and understand manuals, health and safety instructions, memos,		
	reports, job cards etc.		
	Oral Communication (Listening and Speaking Skills)		
	The user/ individual on the job needs to know and understand how to:		
	Table 1 Table 1		
	SA5. Give clear instructions to co-workers, subordinates others		
	SA6. Use correct technical term while interacting with supervisor		
B. Professional Skills	Decision Making		
	The user/individual on the job needs to know and understand how to:		
	SB1. Take appropriate decisions regarding to responsibilities		
	SB2. Assess for any damage/faulty component in the concerned machinery		
	and take action accordingly		
	SB3. Evaluate the decision and conduct basic trouble shooting		
	Plan and Organize		
	The user/individual on the job needs to know and understand how to:		
	SB4. Plan and manage work routine based on company procedure		
	SB5. Work with supervisors/ team mates to carry out work related tasks		
	SB6. Plan for cleaning and lubricating the concerned machinery daily		
	SB7. Plan for cleaning the concerned tools and workplace daily before and		
	after operations		
	Customer Centricity		
	-		
	The user/ individual on the job needs to know and understand how to:		
	·		









AMH/N0102

Maintain work area, tools and machines

Problem Solving

The user/ individual on the job needs to know and understand how to: SB9. Solve operational role related issues

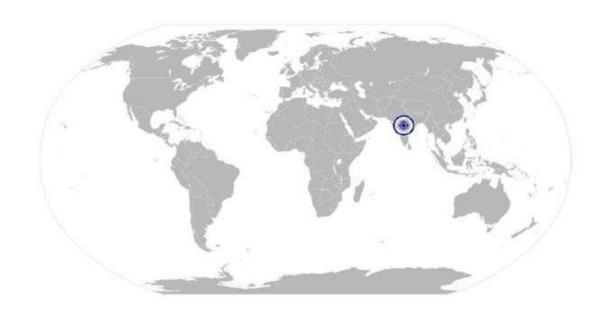
Analytical Thinking

The user/ individual on the job needs to know and understand how to: SB10. Diagnose common problems in the machine based on visual inspection, sound, temperature etc.

Critical Thinking

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

SB11. Analyze, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently









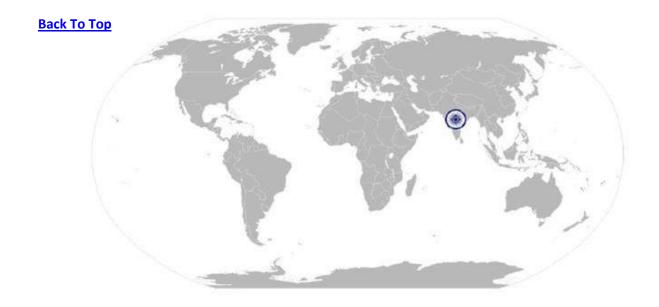


AMH/N0102

Maintain work area, tools and machines

NOS Version Control

NOS Code		AMH/N0102	
Credits(NSQF)	TBD	Version number	1.0
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14
Industry Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14
Occupation	Stitching	Next review date	18/06/15







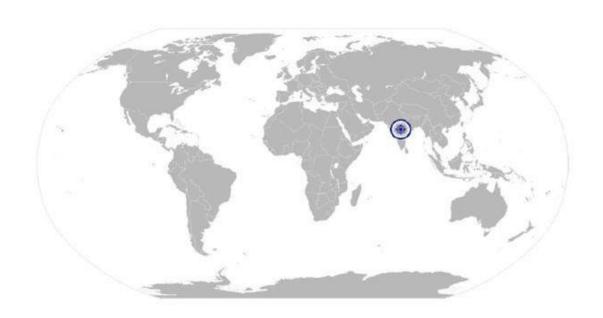




AMH/N0103

Maintain health, safety and security at workplace

National Occupational Standard



Overview

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others.









AMH/N0103

Maintain health, safety and security at workplace

Unit Code	AMH/N0103
Unit Title (Task)	Maintain health, safety and security at workplace
Description	This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others.
Scope	This unit/task covers the following:
	Comply with health, safety and security requirements at work
Performance Criteria(Po	
Element	Performance Criteria
Comply with health, safety and security requirements at work	To be competent, the user/individual on the job must be able to: PC1. Comply with health and safety related instructions applicable to the workplace
	 PC2. Use and maintain personal protective equipment as per protocol PC3. Carry out own activities in line with approved guidelines and procedures PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants
	PC5. Follow environment management system related procedures PC6. Identify and correct (if possible) malfunctions in machinery and equipment PC7. Report any service malfunctions that cannot be rectified
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements PC9. Safely handle and move waste and debris
	PC10. Minimize health and safety risks to self and others due to own actions PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks
	PC12. Monitor the workplace and work processes for potential risks and threats
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so
	PC17. Take action based on instructions in the event of fire, emergencies or accidents
	PC18. Follow organization procedures for shutdown and evacuation when required
Knowledge and Unders	tanding (K)



National Occupational Standards





AMH/N0103

Maintain health, safety and security at workplace

A. Organizat	ional The us	er/individual on the job needs to know and understand:
Context	KA1.	Health and safety related practices applicable at the workplace
(Knowled		Potential hazards, risks and threats based on nature of operations
company		Organizational procedures for safe handling of equipment and machine
organizati		operations
its proces		Potential risks due to own actions and methods to minimize these
its proces	KA5.	Environmental management system related procedures at the
	10.13.	workplace
	KA6.	Layout of the plant and details of emergency exits, escape routes,
	10.10.	emergency equipment and assembly points
	KA7.	Potential accidents and emergencies and response to these scenarios
	KA8.	Reporting protocol and documentation required
	KA9.	Details of personnel trained in first aid, fire-fighting and emergency
	10.15.	response
	KA10.	Actions to take in the event of a mock drills/ evacuation procedures or
	KA10.	actual accident, emergency or fire
B. Technical	The us	er/individual on the job needs to know and understand:
Knowledg		Occupational health and safety risks and methods
Kilowicas	KB1.	Personal protective equipment and method of use
	KB3.	Identification, handling and storage of hazardous substances
	KB4.	Proper disposal system for waste and by-products
	KB5.	Signage related to health and safety and their meaning
	KB6.	Importance of sound health, hygiene and good habits
	KB7.	Ill-effects of alcohol, tobacco and drugs
Skills (S)		
A. Core Skills	s / Writin	g Skills
Generic S		er/ individual on the job needs to know and understand how to:
	SA1.	Document and report any health and safety related incidents/
		accidents
	Readir	ng Skills
	The us	er/ individual on the job needs to know and understand how to:
	SA2.	Read and comprehend manuals of operations
	SA3.	Read all organizational and equipment related health and safety
		manuals and documents
	SA4.	Read instructions, guidelines/procedures/rules related to the worksite
		and machine operations
	Oral Co	ommunication (Listening and Speaking Skills)
	The us	er/ individual on the job needs to know and understand how to:
	SA5.	Give clear instructions to co-workers, subordinates and other personnel
	SA6.	Use correct technical terms while interacting with supervisor
B. Profession	nal Skills Decision	on Making
	The us	er/ individual on the job needs to know and understand how to:
	SB1.	Make an appropriate timely decision in responding to
		emergencies/accidents in line with organization



National Occupational Standards





AMH/N0103

Maintain health, safety and security at workplace

	•
	workplace
Pla	n and Organize
The	e user/individual on the job needs to know and understand how to:
SB3	3. Work with supervisors/ team mates to carry out work related tasks
SB4	I. Plan work according to the required schedule
SB!	5. Keep work area free from potential hazards
Cus	stomer Centricity
The	e user/individual on the job needs to know and understand how to:
SB6	6
	safety are followed
Pro	blem Solving
The	e user/ individual on the job needs to know and understand how to:
SB	7. Take appropriate actions during emergencies, accidents or fire at the workplace
SB	3. Resolve issues pertaining to malfunctions in machineries and report if
	required
An	alytical Thinking
The	e user/individual on the job needs to know and understand how to:
SBS	9. Identify emergency situations
SB	O. Identify cause effect relationship for the emergencies
Cri	tical Thinking
The	e user/ individual on the job needs to know and understand how to:
SB:	1. Analyze, evaluate and apply the information gathered from observation,
	experience, reasoning, or communication to act efficiently







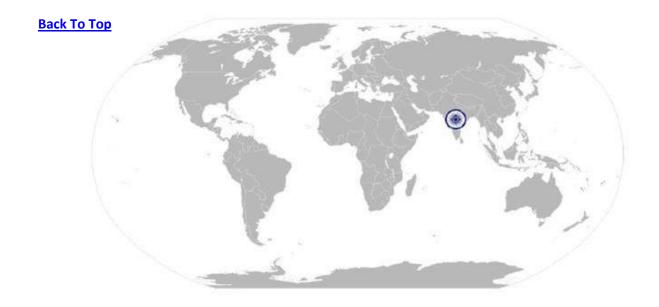


AMH/N0103

Maintain health, safety and security at workplace

NOS Version Control

NOS Code		AMH/N0103	
Credits(NSQF)	TBD	Version number	1.0
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14
Industry Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14
Occupation	Stitching	Next review date	18/06/15











AMH/N0104 Comply with industry, regulatory and organizational requirements

National Occupational Standard



Overview

This unit provides Performance Criteria, Knowledge & Understanding and Skills & Abilities required for complying with legal and ethical requirements at the workplace.



National Occupational Standards





AMH/N0104 Comply with industry, regulatory and organizational requirements

Unit Code AMH/N0104	
Unit Title (Task) Comply with industry, regulatory and organizational requirements	Lalu
Description This unit provides Performance Criteria, Knowledge & Understanding	
& Abilities required for complying with legal and ethical requirement	ents at the
workplace.	
Scope This unit/task covers the following:	
Comply with industry and organizational requirements	
Comply with industry and organizational requirements	
Performance Criteria(PC) w.r.t. the Scope	
Element Performance Criteria	
Comply with industry To be competent, the user/individual on the job must be able to:	
and organizational PC1. Carry out work functions in accordance with legisla	ation and
requirements regulations, organizational guidelines and procedures	
PC2. Seek and obtain clarifications on policies and procedures,	from your
supervisor or other authorized personnel	,
PC3. Apply and follow these policies and procedures within	your work
practices	
PC4. Provide support to your supervisor and team members in	enforcing
these considerations	4
PC5. Identify and report any possible deviation to these requirement	ents
Knowledge and Understanding (K)	
A. Organizational The user/individual on the job needs to know and understand:	
Context KA1. The importance of having an ethical and value-based ap	proach to
(Knowledge of the governance	· //
company / KA2. Benefits to your company and yourself due to practice	of these
organization and procedures	
its processes) KA3. The importance of punctuality and attendance	
KA4. Specific to the industry/sector, know and understand:	
Legal and ethical requirements	
Procedures to follow if someone does not meet the requirement of the control	
KA5. Customer specific requirements mandated as a part of	your work
B. Technical The user/individual on the job needs to know and understand:	
Knowledge KB1. Country / customer specific regulations for your sector	and their
importance	and then
KB2. Reporting procedure in case of deviations	
KB3. Limits of personal responsibility	
Skills (S)	
A. Core Skills / Writing Skills	
Generic Skills The user/ individual on the job needs to know and understand how to	:0:
SA1. Write and document appropriate technical forms, job cards,	
	'
sheets as required format of the company	
sheets as required format of the company Reading Skills	







National Occupational Standards

AMH/N0104 Comply with industry, regulatory and organizational requirements

	SA2. Read and comprehend the organizational documents pertaining to rules and procedures SA3. Read and comprehend basic English to read and interpret indicators in the machine and operating manuals, job cards, visual cards, etc.		
	SA4. Read in the local language as applicable		
	SA5. Read and understand manuals, health and safety instructions, memos,		
	reports, job cards etc.		
	Oral Communication (Listening and Speaking Skills)		
	The user/ individual on the job needs to know and understand how to:		
	SA6. Positively influence the team members into following procedures		
B. Professional Skills	Decision Making		
	The user/ individual on the job needs to know and understand how to:		
	SB1. Take appropriate decisions related to responsibilities		
	Plan and Organize		
	The user/ individual on the job needs to know and understand how to:		
	SB2. Plan and manage work routine based on company procedure		
	Customer Centricity		
	The user/ individual on the job needs to know and understand how to:		
	SB3. Ensure and follow organizational procedures and policies		
	Problem Solving		
	The user/ individual on the job needs to know and understand how to:		
	SB4. Evaluate and seek and obtain clarification from the superiors		
	Analytical Thinking		
	The user/ individual on the job needs to know and understand how to:		
	SB5. Apply balanced judgment to different situations		
	Critical Thinking		
	The user/ individual on the job needs to know and understand how to:		
	SB6. Analyze, evaluate and apply the information gathered from observation,		
	experience, reasoning, or communication to act efficiently		





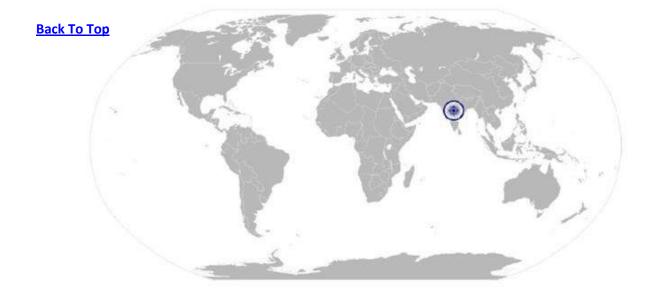




AMH/N0104 Comply with industry, regulatory and organizational requirements

NOS Version Control

NOS Code	AMH/N0104					
Credits(NSQF)	TBD	Version number	1.0			
Sector	Apparel, Made-Up's and Home Furnishing	Drafted on	01/03/14			
Industry Sub-sector	Apparel / Made-Up's / Home Furnishing	Last reviewed on	11/07/14			
Occupation	Stitching	Next review date	18/06/15			









CRITERIA FOR ASSESSMENT OF TRAINEES

Sewing Machine Operator (AMH/Q0301)

AMHSSC

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% aggregate in QP
- 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

				M	n	
		Total Marks 400	Out Of	Theory	Skills Practical	Viva
1. AMH/N0301 (Carryout Stitching activities using machine or by hand)	PC1. Make sure the work area is free from hazards		3	1	1	1
	PC2. Follow the instructions on the work ticket/ job card in line with the responsibilities of respective job role		3	1	1	1
	PC3. Ask questions to obtain more information on tasks when the instructions you have are unclear	210	3	1	1	1
	PC4. Agree and review your agreed upon work targets with your supervisor and check for special instructions, if any		3	1	1	1
	PC5. Use the correct tools and equipments		3	1	1	1







PC6. Check that equipment is safe and set up in readiness for use		3	1	1	1
PC7. Select the correct component	-			_	_
parts for the style being worked on		3	1	1	1
PC8. Check that the materials to be		5	1	3	1
used are free from faults	-				
PC9. Ensure the materials used meet the specification matching		3	1	1	1
a. Within a product		4	1	2	1
b. Between a pair of products	-	4	1		т
where applicable		4	1	2	1
PC10. Carry out test sews		4	1	2	1
PC11. Check needles, awls and threads		4	1	2	1
regularly		7	т		1
PC12. Check if fabric / Component is correctly marked and pieces cut as required		4	1	2	1
PC13. Fabric pieces and linings are pinned or sewn together as required, and appropriately hung in readiness for assembly		4	1	2	1
PC14. Report faults in the materials		3	1	1	1
PC15. Conform to company quality standards		3	1	1	1
PC16. Report any damaged work to	-				
the responsible person		3	1	1	1
PC17. Follow company reporting procedures about defective tools and machines which affect work and report risks/ problems likely to affect services to the relevant person promptly and accurately		4	1	2	1
PC18. Sort and place work to assist the next stage of production and minimise the risk of damage		3	1	1	1
PC19. Leave work area safe and secure when work is complete		4	1	2	1
PC20. Complete forms, records and other documentation		4	2	1	1
PC21. Examine the specific item to identify what type of stitching is best suited		4	1	2	1
PC22. Estimate the expected length of time for the process		4	1	1	2







machine)	t up machine (Apparel Sewing according to curers' instructions and		4	1	2	1
	on requirements					
	t machine controls for the		-	1	2	1
materials	being stitched		5	1	3	1
PC25. Cu	t the thread appropriately		4	1	2	1
	ead the needle in the					
	and adjust the needle as per		4	1	2	1
the requi						
	rform a test run to ensure		4	1	2	1
	is operating correctly					
	port defective machines, /or equipment to the		4	1	2	1
	ole person		4	1	2	1
	perate machines safely and in		_		_	_
1	ce with guidelines		5	1	3	1
	timize the positioning and					
layout of	materials to ensure a		6	1	4	1
smooth a	nd rapid throughput					
PC31. Ch	eck the equipment prior to		3	1	1	1
making th	ne stitching, including:			_	_	-
a) Corre	ct controls		4	1	2	1
b) Corre	ct attachments		4	1	2	1
c) Chang	ing needles		4	1	2	1
d) Chang	ging threads		4	1	2	1
e) Chang	ging awls		4	1	2	1
f) Correc	•		4	1	2	1
the right	ch the correct materials in sequence as required by action specification		6	1	4	1
	sure stitched product to shape and size ent		4	1	2	1
PC34. En meets spo	sure stitched products ecification in terms of d trimmings		4	1	2	1
PC35. Ins	spect stitched products pecifications		4	1	2	1
PC36. Ide	entify mark and place rejects signated locations		4	1	2	1







	PC37. Carry out alterations to meet customer requirements		4	1	2	1
	PC38. Pass the stitched item to the					
			4	1	2	1
	next stage in the manufacturing process after validation		4	1		1
	•					
	PC39. Respond accordingly where		4	4	1	1
	stitched items do not meet production		4	1	2	1
	specification					
	PC40. Minimize and dispose the waste		4	1	,	1
	materials in the approved		4	1	2	1
	manner					
	PC41. Seek feedback from team mates		3	1	1	1
	on work related performance					
	PC42. Check with in charge /others		4	1	2	1
	when unsure of new product details			_	_	_
	PC43. Clean and make safe machines		5	1	3	1
	after use		J	±	3	1
	PC44. Carry out basic maintenance of		4	1	2	1
	own machines		4	1		1
	PC45. Report risks/ problems likely to					
	affect services to the relevant		4	1	2	1
	person promptly and accurately					
	PC46. Carry out Operations at a rate					
	which maintains workflow and		4	1	2	1
	meets production targets					
		Total	210	55	100	55
2. AMH/N0302						
(Contribute to						
achieve			4	2	1	1
product quality	PC1. Identify and use materials		4	2		1
in stitching	required based on the job card/ work					
operations)	ticket					
	PC2. Take the necessary action when					
	materials do not conform to	65	4	1	2	1
	company quality standards	65				
	PC3. Report and replace identified					
	faulty materials and component parts		4	1	2	1
	which do not meet specification					
	PC4. Identify modifiable defects and		5	1	3	1
	rework on them		3	1	5	1
	PC5. Carry out work safely and at a rate		4	1	2	1







	PC6. Report to the responsible person when the work flow of other production areas disrupts work		4	1	2	1
	PC7. Test, sort, track feed and examine work in progress		5	1	3	1
	PC8. Carry out quality checks at specified intervals according to instructions		5	1	3	1
	PC9. Apply the allowed tolerances		4	1	2	1
	PC10. Identify faults and take appropriate action for rectification		5	1	3	1
	PC11. Make adjustments promptly to return product to specification		4	1	2	1
	PC12. Fault-find materials and components for creased, stained, damage and incorrectly made-up component parts		4	1	2	1
	PC13. Report faults in other processes to the appropriate person		4	1	2	1
	PC14. Maintain the required productivity and quality levels		5	1	3	1
	PC15. Complete and maintain documentation		4	1	2	1
		Total	65	16	34	15
3. AMH/N0102 Maintain work area, tools and machines	PC1. Handle materials, machinery, equipment and tools safely and correctly		3	1	1	1
	PC2. Use correct lifting and handling procedures		3	1	1	1
	PC3. Use materials to minimize waste		3	1	1	1
	PC4. Maintain a clean and hazard free working area	50	4	1	2	1
	PC5. Maintain tools and equipment	1	4	1	2	1
	PC6. Carry out running maintenance within agreed schedules		4	1	2	1
	PC7. Carry out maintenance and/or cleaning within one's responsibility		4	1	2	1
	PC8. Report unsafe equipment and other dangerous occurrences		3	1	1	1
	PC9. Ensure that the correct machine guards are in place		3	1	1	1







	PC10. Work in a comfortable position with the correct posture		4	1	2	1
	PC11. Use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1
	PC12. Dispose of waste safely in the designated location		4	1	2	1
	PC13. Store cleaning equipment safely after use		4	1	2	1
	PC14. Carry out cleaning according to schedules and limits of responsibility		4	1	2	1
		Total	50	14	22	14
4. AMH/N0103 Maintain health, safety and security at workplace	PC1. Comply with health and safety related instructions applicable to the workplace		3	1	1	1
	PC2. Use and maintain personal protective equipment as per protocol		4	1	2	1
	PC3. Carry out own activities in line with approved guidelines and procedures		4	1	2	1
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		3	1	1	1
	PC5. Follow environment management system related procedures		3	1	1	1
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment	60	4	1	2	1
	PC7. Report any service malfunctions that cannot be rectified		3	1	1	1
	PC8. Store materials and equipment in line with manufacturer's and organisational requirements		4	1	2	1
	PC9. Safely handle and move waste and debris		3	1	1	1
	PC10. Minimize health and safety risks to self and others due to own actions		3	1	1	1
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		3	1	1	1







						_
	PC12. Monitor the workplace and work processes for potential risks and threats		3	1	1	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		3	1	1	1
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		3	1	1	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		4	1.5	2	0.5
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		4	1.5	2	0.5
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		3	1.5	1	0.5
	PC18. Follow organization procedures for shutdown and evacuation when required		3	1.5	1	0.5
		Total	60	20	24	16
AMH/N0104 - Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures		3	1	1	1
	PC2. Seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel	15	3	1	1	1
	PC3. Apply and follow these policies and procedures within your work practices		3	1	1	1
	PC4. Provide support to your supervisor and team members in enforcing these considerations		3	1	1	1
	PC5. Identify and report any possible deviation to these requirements		3	1	1	1
		Total	15	5	5	5





