

Automotive Skills Development Council



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR AUTOMOTIVE 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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Contents

Introduction and Contacts	P.1
Qualifications Pack	P.2
Glossary of Key Terms	P.3
NOS Units	P.5

Introduction

Qualifications Pack – Lathe Operator

SECTOR: AUTOMOTIVE

SUB-SECTOR: NON FORMAL

OCCUPATION: AUTO COMPONENTS / AGGREGATES REPAIR

JOB ROLE: LATHE OPERATOR

REFERENCE ID: ASC/Q 1901

ALIGNED TO: NCO-2004/ 8211.20

Lathe Operator is also known as a Lathe Machinist

Brief Job Description: A **Lathe Operator** is responsible for setting up, operating and monitoring lathe or turning machines, shaping or threading wire, rod or bar stock. A lathe operator studies blueprints and tooling instructions to determine the correct procedure for machining the component in such a manner that facilitates maximum efficiency in tool usage and time. The operator also performs machine maintenance and checks tools for signs of wear.

Personal Attributes: The job requires an individual to work long hours. The individual should have good understanding of the Lathe machine including technical aspects, associated tools and equipment. The individual should have proper knowledge of the service related activities, schedules and preventive maintenance of the Lathe machine. The individual should be hard working and should have manual dexterity.





Qualifications Pack Code	ASC/Q 1901		
Job Role	Lathe Operator		
Credits(NSQF)	TBD	Version number	1
Industry	Automotive	Drafted on	20/07/13
Sub-sector	Non Formal	Last reviewed on	20/07/13
Occupation	Auto Components / Aggregates Repair	Next review date	20/07/15

Job Role	Lathe Operator	
Role Description	Maintain and operate all types of Lathes & do related work.	
NVEQF/NVQF level	4	
Minimum Educational Qualifications	Class VIII	
Maximum Educational Qualifications	Graduate degree or diploma in any discipline	
Training (Suggested but not mandatory)	 On the job training Desirable for ASDC Lathe operator certificate or graduate degree / diploma in any discipline Compulsory for all other qualifications 	
Experience	Not applicable	
	Compulsory:	
	ASC/ N 1901: Perform and finish machining jobs on Lathe machine	
	ASC/ N 0001: Plan and organise work to meet expected	
National Occupational Standards (NOS)	outcomes	
(1005)	ASC/ N 0002: Work effectively in a team ASC/ N 0003: Maintain a healthy, safe and secure working	
	environment	
	Optional: N.A.	
Performance Criteria	As described in the relevant NOS units	





Keywords /Terms	Description
Core Skills/Generic Skills	Core skills or generic skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the NOS, these include communication related skills that are applicable to most job roles.
Dealership	A business established or operated under an authorisation to sell or distribute an automotive company's goods and services
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 NOS they are looking for.
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 NOS.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
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.
National Occupational Standards (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
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.
Performance Criteria	Performance criteria are statements that together specify the standard of performance required when carrying out a task.
Qualifications Pack(QP)	Qualifications pack comprises the set of NOS, together with the educational, training and other criteria required to perform a job role. A qualifications pack is assigned a unique qualification pack code.
Qualifications Pack Code	Qualifications pack code is a unique reference code that identifies a qualifications pack.
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 performance required.
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 is derived from a further breakdown based on the
characteristics and interests of its components.
Sub-functions are sub-activities essential to fulfil the achieving the
objectives of the function.
Technical knowledge is the specific knowledge needed to accomplish
specific designated responsibilities.
Unit code is a unique identifier for a NOS unit, which can be denoted with
an ' N'
Unit title gives a clear overall statement about what the incumbent
should be able to do.
Mode of personal transport including 2-wheelers, 3-wheelers and 4-
wheelers (including passenger vehicles and commercial vehicles). This
includes gasoline, petrol, CNG, electrical and hybrid vehicles
Vertical may exist within a sub-sector representing different domain
areas or the client industries served by the industry.
Description
National Occupational Standard(s)
National Vocational Education Qualifications Framework
National Vocational Qualifications Framework
Original Equipment Manufacturer
Occupational Standard(s)







National Occupational Standards



Overview

This Occupational Standard describes the knowledge, understanding and skills required of an individual to perform and finish all assigned jobs on a Lathe machine.







	Unit Code	ASC/N 1901
rd	Unit Title (Task)	Perform and finish all assigned jobs on Lathe machine
Inda	Description	This NOS unit is about an individual who performs and finishes all machining jobs to be done using a Lathe machine
Occupational Standard	Scope	 This unit/task covers the following: set up, and operate a lathe machine machine various components / aggregates on a Lathe Machine
atio	Performance Criteria (F	PC) w.r.t. the Scope
cup	Element	Performance Criteria
National Oc	Machine various aggregates through a Lathe Machine	 To be competent, the user/individual on the job must be able to: PC1. set up and operate numerically controlled horizontal lathe to perform machining operations, such as turning, boring, facing, and threading parts, such as castings, forgings and bar stock PC2. understand machine operation and adjust controls to ensure conformance with specified tolerances PC3. set tools before positioning them in lathe, using precision gauges and instruments PC4. mount work piece between centres, in chuck, or to faceplate, manually or using hoist PC5. select and install pre-set tooling in tool posts, turrets or indexing heads, and automatic-tool-change magazine, in sequence specified on process sheet PC6. depresses buttons, toggles, or sets tape and starts machining operation PC7. set cutting specifications and position cutting tool and work piece in relation to each other, and start machine PC8. select cutting speed, feed rate, and depth of cut PC9 move cutter or material manually or by turning hand wheel to mill work piece to specifications PC10. observe numerical displays on control panel and compares with data on process sheet to verify dimensional adjustments, feed rates, and speeds of machining cuts. PC11. verify alignment of work piece on machine, using measuring instruments, such as rules, gauges, or callipers PC12. mount, install, align & secure tools, attachments, fixtures & work pieces on machines, using hand tools & precision measuring instruments PC14. inspects first-run piece and spot-checks succeeding pieces for conformance to specifications, using micrometers and precision dial gauges. PC15. studies job packet and organizes materials for next run during automatic tape-controlled cycles to shorten changeover time. PC16. ensure that the piece meets specifications after completing finishing works







	DC17 report all machine malfunctions to supervisor
	PC17. report all machine malfunctions to supervisor
	PC18. change worn tools and perform routine maintenance
Knowledge and Unders	tanding (K) w.r.t. the scope
Element	Knowledge and Understanding
A. Organisational	The user/individual on the job needs to know and understand:
Context	
(Knowledge of the	KA1. standard operating procedures for performing operations related to lathe
Company/	machine
Organisation and	KA2. process flow of lathe operations performed
its processes)	KA3. organisational and professional code of ethics and standards of practice
	KA4. safety and health policies and regulations for the workplace
B. Technical	The user/individual on the job needs to know and understand:
Knowledge	
	KB1. how to operate and control machining operations related to lathe machine such
	as :
	 turning operations
	drilling
	milling (peripheral and facing milling)
	boring
	shaping and planning
	broaching
	sawing
	cutting operations
	knurling
	taper turning
	KB2. how to adjust a rotating speed, a cutting depth and a sending speed of lathe
	machine
	KB3. how to use and handle tools related with operating lathe machine including :
	• chuck
	face plate
	collate
	engine lathe
	chucking machine
	bar machine
	drill press
	 vice, jig and fixture
	milling cutters
	pallet shuttles
	swarfs
	• spindle
	morse taper
	KB4. how to handle loading and unloading of lathe parts
	KB5. how to protect lathe parts from damage during loading and set up
	KB6. how to operates a forklift or lifting devices for movement of parts
	KB6. how to operates a forklift or lifting devices for movement of parts KB7. how to position, secure, and align cutting tools in tool holders on machines, using hand tools, and verify their positions with measuring instruments







	ASC/ N	1901: Perform and finish all machining jobs on Lathe machine	
Skill	s (S) w.r.t. the scop	 KB8. select and set cutting speed, feed rate, and depth of cut KB9. compute unspecified dimensions and machine settings, using knowledge of metal properties and shop mathematics KB10. how to replace worn tools, and sharpen dull cutting tools and dies using bench grinders or cutter-grinding machines KB11. how to retest and modify the lathe machine program to enhance efficiency 	
	nent	Skills	
Α.	Core Skills/	Writing skills	
	Generic Skills	 The user/individual on the job needs to know and understand how to: SA1. complete and maintain workplace records on inspection, diagnosis and repair activities SA2. maintain all office records required on the job (e.g. stock records, job cards, repair quotations, personnel records, time sheets, meeting notes etc.) SA3. record all diagnostic inspections and tests carried out on a vehicle 	
		SA4. write in at least one language Reading skills	
		 The user/individual on the job needs to know and understand how to: SA5. read process sheets, blueprints, and sketches of part to determine machining to be done, dimensional specifications, set up, and operating requirements SA6. read and interpret geometric dimensions and tolerances in the job to be done involving the lathe machine Oral Communication (Listening and Speaking skills) 	
		 The user/individual on the job needs to know and understand how to: SA7. interact with superiors and other support staff SA8. communicate with supervisor, engineers, production control, quality and other shop personnel for assignments and to resolve lathe machining or quality issues 	
В.	Professional Skills	Decision making	
		 The user/individual on the job needs to know and understand how to: SB1. determine the nature and objective of the analysis and evaluation required and decide on the diagnostic techniques to be applied Plan and Organise The user/individual on the job needs to know and understand how to: 	
		 SB2. plan work according to the pendency's as reported for repair / machining of the various components on a daily basis and provide estimates of time required for each piece of work (e.g. by evaluating work assigned on a job card and providing time estimates for each service/ repair activity) SB3. prioritise actions to achieve required outcomes to quality machining of the components within the given tolerance levels 	







Customer centricity
The user/individual on the job needs to know and understand how to:
SB4. ensure that customer's requirements are assessed and satisfactory service is provided
Problem solving
The user/individual on the job needs to know and understand how to:
SB5. recognise a workplace problem or a potential problem and take action SB6. determine problems needing priority action
 SB7. refer problems outside area of responsibility to concerned person (e.g. unavailability of required spare parts or materials in the workshop) SB8. gather information and provide assistance as required to solve problems
Analytical thinking
The user/individual on the job needs to know and understand how to:
SB9. analyse the complexity of work to determine if it can be successfully carried out
Critical thinking
The user/individual on the job needs to know and understand how to:
SB10. analyse, evaluate and apply the information gathered from observation, experience, reasoning, or communication to act efficiently
Real Proventies







NOS Version Control

NOS Code	ASC/ N 1901		
Credits(NSQF)	TBD	Version number	1
Industry	Automotive	Drafted on	20/07/13
Industry Sub-sector	Non Formal	Last reviewed on	20/07/13
		Next review date	20/07/15









National Occupational Standards



Overview

This unit is about planning and organising an individual's work in order to complete it to the required standards, on time and within budget in terms of cost and material.







Unit Code	ASC/ N 0001	
Unit Title	Plan and organise work to meet expected outcomes	
(Task)		
Description	This NOS unit is about planning and organising an individual's work in order to complete it to the required standards on time.	
Scope	 This unit/task covers the following: work requirements including various activities, deliverables or work output required in the given time, maintain set quality standards appropriate use of resources (both material / equipment's and manpower) 	
Performance Criteria (PC) w.r	.t. the Scope	
Element	Performance Criteria	
Work requirements including various activities within the given time and	To be competent, the user/individual on the job ust be able to: PC1. keep immediate work area clean and tidy	
set quality standards	 PC2. treat confidential information as per the organisation's guidelines PC3. work in line with organisation's policies and procedures PC4. work within the limits of job role PC5. obtain guidance from appropriate people, where necessary PC6. ensure work meets the agreed requirements 	
Appropriate use of		
resources	 PC7. establish and agree on work requirements with appropriate people PC8. manage time, materials and cost effectively PC9. use resources in a responsible manner 	
Knowledge and Understandin	ng (K) w.r.t. the scope	
Element	Knowledge and Understanding	
A. Organisational Context (Knowledge of the	The user/individual on the job needs to know and understand:	
Company/Organisation and its processes)	 KA1. the organisation's policies, procedures and priorities for area of work, role and responsibilities in carrying out that work KA2. the limits of responsibilities and when to involve others KA3. specific work requirements and who these must be agreed with KA4. the importance of having a tidy work area and how to do this KA5. how to prioritize workload according to urgency and importance and the benefits of this KA6. the organisation's policies and procedures for dealing with confidential information and the importance of complying with these KA7. the purpose of keeping others updated with the progress of work KA8. who to obtain guidance from and the typical circumstances when this may be required KA9. the purpose and value of being flexible and adapting work plans 	







	to reflect change	
B. Technical Knowledge	The user/individual on the job needs to know and understand:	
b. recinical Knowledge	The user/individual of the job freeds to know and understand.	
	KB1. how to complete tasks accurately by following standard	
	procedures	
	KB2. technical resources needed for work and how to obtain and use	
	these	
Skills (S) w.r.t. the scope		
Element	Skills	
A. Core Skills/ Generic	Writing Skills	
Skills	The user/individual on the job needs to know and understand how to:	
	SA1. write in at least one language	
	Reading Skills	
	The user/individual on the job needs to know and understand how to:	
	SA2. read instructions, guidelines/procedures	
	Oral Communication (Listening and Speaking skills)	
	The user/individual on the job needs to know and understand how to:	
	The usery maintain the job freeds to know and understand now to.	
	SA3. ask for clarification and advice from appropriate persons	
	SA4. communicate orally with colleagues	
B. Professional Skills		
B. Professional Skills	Decision Making	
	The user/individual on the job needs to know and understand how to:	
	SB1. make a decision on a suitable course of action appropriate for	
	accurately completing the task within resources	
	Plan and Organise	
	The user/individual on the job needs to know and understand how to:	
	SB2. agree objectives and work requirements	
	SB3. plan and organise work to achieve targets and deadlines	
	Customer Centricity	
	The user/individual on the job needs to know and understand how to:	
	The user/individual on the job freeds to know and understand how to.	
	CD4 deliver consistent and reliable convice to systematic	
	SB4. deliver consistent and reliable service to customers	
	SB5. check own work and ensure it meets customer requirements	
	Ducklass Californ	
	Problem Solving	
	Problem Solving The user/individual on the job needs to know and understand how to:	
	The user/individual on the job needs to know and understand how to:	
	The user/individual on the job needs to know and understand how to: SB6. refer anomalies to the concerned persons	
	The user/individual on the job needs to know and understand how to: SB6. refer anomalies to the concerned persons Analytical Thinking	







concerned persons where required
Critical Thinking
The user/individual on the job needs to know and understand how to:
SB8. apply own judgement to identify solutions in different situations









NOS Version Control

NOS Code	ASC/ N 0001		
Credits(NSQF)	TBD	Version number	1
Industry	Automotive	Drafted on	10/06/13
Industry Sub-sector	NA	Last reviewed on	10/06/13
	2.5	Next review date	10/06/15









National Occupational Standards



This unit is about working effectively with colleagues, either in own work group or in other work groups within organisation.







V Unit Code	ASC/ N 0002
Unit Title (Task)	Work effectively in a team
Description	This NOS unit is about working effectively within a team, either in individual's own work group or in other work groups outside the organisation.
Scope	 This unit/task covers the following: Colleagues: Interact & communicate effectively with colleagues including member in the own group as well as other groups
Performance Criteria (PC) w.	r.t. the Scope
Element	Performance Criteria
Interact & communicate effectively with colleagues including member in the own group as well as other groups	 To be competent, the user/individual on the job must be able to: PC1. maintain clear communication with colleagues (by all means including face-to-face, telephonic as well as written) PC2. work with colleagues to integrate work PC3. pass on information to colleagues in line with organisational requirements both through verbal as well as non-verbal means PC4. work in ways that show respect for colleagues PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons PC7. identify problems in working with colleagues and take the initiative to solve these problems PC8. follow the organisation's policies and procedures for working with colleagues
Knowledge and Understandi	
Element A. Organisational Context (Knowledge of the Company/Organisation and its processes)	 Knowledge and Understanding The user/individual on the job needs to know and understand: KA1. the organisation's policies and procedures for working with colleagues, role and responsibilities in relation to this KA2. the importance of effective communication and establishing good working relationships with colleagues KA3. different methods of communication and the circumstances in which it is appropriate to use these KA4. the importance of creating an environment of trust and mutual respect KA5. the implications of own work on the work and schedule of others
B. Technical Knowledge	The user/individual on the job needs to know and understand:







	KB1. different types of information that colleagues might need and the importance of providing this information when it is required		
	KB2. the importance of helping colleagues with problems, in order to		
	meet quality and time standards as a team		
Skills (S) w.r.t. the scope			
Element	Skills		
A. Core Skills/	Writing Skills		
Generic Skills	The user/individual on the job needs to know and understand how to:		
	SA1. complete written work with attention to detail		
	Reading Skills		
	The user/individual on the job needs to know and understand how to:		
	SA2. read instructions, guidelines/procedures		
	Oral Communication (Listening and Speaking skills)		
	The user/individual on the job needs to know and understand how to:		
	SA3. listen effectively and orally communicate information		
	SA4. ask for clarification and advice from the concerned person		
B. Professional Skills	Decision Making		
	 The user/individual on the job needs to know and understand how to: SB1. make decisions on a suitable course of action or response keeping in view resource utilization while meeting commitments 		
	Plan and Organise		
	The user/individual on the job needs to know and understand how to:		
	SB2. plan and organise work to achieve targets and deadlines		
	Customer Centricity		
	The user/individual on the job needs to know and understand how to:		
	SB3. check that the work meets customer requirements		
	SB4. deliver consistent and reliable service to customers		
	Problem Solving		
	The user/individual on the job needs to know and understand how to:		
	SB5. apply problem solving approaches in different situations		
	Critical Thinking		
	The user/individual on the job needs to know and understand how to:		
	,		
	SB6. apply balanced judgements to different situations		







NOS Version Control

NOS Code	ASC/ N 0002		
Credits(NSQF)	TBD	Version number	1
Industry	Automotive	Drafted on	10/06/13
Industry Sub-sector	NA	Last reviewed on	10/06/13
	74-	Next review date	10/06/15







National Occupational Standards



Overview

This unit is about monitoring work place practices and making sure they meet requirements for health, safety, security and environmental concerns.







Unit Code	ASC/ N 0003
Unit Title	Maintain a healthy, safe and secure working environment
(Task)	
Description	This NOS unit is about monitoring the working environment and making
	sure it meets requirements for health, safety and security.
Scope	This unit/task covers the following:
	Resources (both material & manpower) needed to maintain a safe
	working environment as per the prevalent norms & government
	policies including emergency procedures for Illness, accidents, fires
Doutouron Critoria (DC)	or any other reason which may involve evacuation of the premises
Performance Criteria (PC) w.	
Element	Performance Criteria
Resources needed to maintain a safe, secure	To be competent, the user/individual on the job must be able to:
working environment	PC1. comply with organisation's current health, safety and security
	policies and procedures
	PC2. report any identified breaches in health, safety, and security
	policies and procedures to the designated person
	PC3. Coordinate with other resources at the workplace to achieve the
	healthy, safe and secure environment for all incorporating all
	government norms esp. for emergency situations like fires,
	earthquakes etc.
	PC4. identify and correct any hazards like illness, accidents, fires or any
	other natural calamity safely and within the limits of individual's
	authority
	PC5. report any hazards outside the individual's authority to the
	relevant person in line with organisational procedures and warn
	other people who may be affected
	PC6. follow organisation's emergency procedures for accidents, fires
	or any other natural calamity
	PC7. identify and recommend opportunities for improving health, safety, and security to the designated person
	PC8. complete all health and safety records are updates and
	procedures well defined
Knowledge and Understandi	
Element	Knowledge and Understanding
A. Organisational Context	The user/individual on the job needs to know and understand:
(Knowledge of the	
Company/Organisation	KA1. legislative requirements and organisation's procedures for
and its processes)	health, safety and security and individual's role and
	responsibilities in relation to this
	KA2. what is meant by a hazard, including the different types of
	health and safety hazards that can be found in the workplace
	KA3. how and when to report hazards





A3C/ N 0003.	Maintain a healthy, safe and secure working environment
	KA4. the limits of responsibility for dealing with hazards
	KA5. the organisation's emergency procedures for different
	emergency situations and the importance of following these
	KA6. the importance of maintaining high standards of health, safety
	and security
	· · · · · · · · · · · · · · · · · · ·
	KA7. implications that any non-compliance with health, safety and
	security may have on individuals and the organisation
B. Technical Knowledge	The user/individual on the job needs to know and understand:
	KB1. different types of breaches in health, safety and security and how
	and when to report these
	KB2. evacuation procedures for workers and visitors
	KB3. how to summon medical assistance and the emergency
	services, where necessary
	KB4. how to use the health, safety and accident reporting
	Procedures and the importance of these
Skills (S) w.r.t. the scope	
Element	Skills
A. Core Skills/ Generic	Writing Skills
Skills	The user/individual on the job needs to know and understand how to:
	SA1. complete accurate, well written work with attention to detail
	Reading Skills
	The user/individual on the job needs to know and understand how to:
	SA2. read instructions, guidelines/procedures/rules
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA3. listen to and orally communicate information with all concerned
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to:
	SB1. make decisions on a suitable course of action or response
	Plan and Organise
	The user/individual on the job needs to know and understand how to:
	SB2. plan and organise work to achieve targets and deadlines
	Customer Centricity
	The user/individual on the job needs to know and understand how to:
	SB3. build and maintain positive and effective relationships with
	colleagues and customers
	Problem Solving
	The user/individual on the job needs to know and understand how to:
	1







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SB4. apply problem solving approaches in different situations
Analytical Thinking
The user/individual on the job needs to know and understand how to:
SB5. analyse data and activities
Critical Thinking
The user/individual on the job needs to know and understand how to:
SB6. apply balanced judgements to different situations









NOS Version Control

NOS Code	ASC/ N 0003		
Credits(NSQF)	TBD	Version number	1
Industry	Automotive	Drafted on	10/06/13
Industry Sub-sector	NA	Last reviewed on	10/06/13
	72-15	Next review date	10/06/15





Qualification Pack for Lathe Operator

Criteria for assessment of Trainees

JOB ROLE	Lathe Operator L 4
Qualification Pack	ASC/Q 1901
No. Of NOS	1 Role specific ,3 generic

NOS Title/ NOS Elements	NOS & Performance Criterion Description		Marks ocation
ASC/N 1901	Perform & finish machining jobs on Lathe machine	Viva	Practical
Machine various aggregates through a Lathe Machine	To be competent, the user/individual on the job must be able to:	2	
	PC1. set up and operate numerically controlled horizontal lathe to perform machining operations, such as turning, boring, facing, and threading parts, such as castings, forgings and bar stock	5	15
	 PC2. understand machine operation and adjust controls to ensure conformance with specified tolerances PC3. set tools before positioning them in lathe, using precision 	57	
	gauges and instruments PC4. mount work piece between centres, in chuck, or to	×	
	 faceplate, manually or using hoist PC5. select and install pre-set tooling in tool posts, turrets or indexing heads, and automatic-tool-change magazine, in sequence specified on process sheet PC6. depresses buttons, toggles, or sets tape and starts 	25	50
	 machining operation PC7. set cutting specifications and position cutting tool and work piece in relation to each other, and start machine PC8. select cutting speed, feed rate, and depth of cut PC9. move cutter or material manually or by turning hand wheel to mill work piece to specifications 		
	 PC10. observe numerical displays on control panel and compares with data on process sheet to verify dimensional adjustments, feed rates, and speeds of machining cuts. PC11. verify alignment of work piece on machine, using measuring instruments, such as rules, gauges, or callipers 	10	20
	PC12. mount, install, align & secure tools, attachments, fixtures & work pieces on machines, using hand tools & precision measuring instruments	10	20
	 PC13. turns dials and switches to override tape control and correct machine performance, applying practical knowledge of lathe operation PC14. inspects first-run piece and spot-checks succeeding pieces for conformance to specifications, using micrometers and precision dial gauges. 		





	Qualification Pack for Lathe Operator	1	
	 PC15. studies job packet and organizes materials for next run during automatic tape-controlled cycles to shorten changeover time. PC16. ensure that the piece meets specifications after 	10	25
	completing finishing works PC17. report all machine malfunctions to supervisor PC18. change worn tools and perform routine maintenance		
	subtotal	50	110
ASC/N 0001	Plan & organize work to meet expected outcome	Viva	Practical
Work requirements	To be competent, the user/individual on the job must be able	-	
including various activities	to:	24	
within the given time and	PC1. keep immediate work area clean and tidy		
set quality standards	PC2. treat confidential information as per the organisation's guidelines		
	PC3. work in line with organisation's policies and procedures		
	PC4. work within the limits of job role	10	20
	PC5. obtain guidance from appropriate people, where necessary		
	PC6. ensure work meets the agreed requirements		
Appropriate use of		N.	
resources	PC7. establish and agree on work requirements with	20	50
	appropriate people	20	50
	PC8. manage time, materials and cost effectively		
	PC9. use resources in a responsible manner subtotal	30	70
ASC/N 0002	Work effectively in a team	Viva	Practica
Interact & communicate	To be competent, the user/individual on the job must be able	viva	Theened
effectively with colleagues	to:		
including member in the	PC1. maintain clear communication with colleagues (by all		
own group as well as other groups	means including face-to-face, telephonic as well as written)		
	PC2. work with colleagues to integrate work		
	PC3. pass on information to colleagues in line with		
	organisational requirements both through verbal as well		
	as non-verbal means		
	PC4. work in ways that show respect for colleagues	20	70
			70
	PC5. carry out commitments made to colleagues	30	_
	PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out	30	
	PC5. carry out commitments made to colleaguesPC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons	30	
	 PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons PC7. identify problems in working with colleagues and take 	30	
	 PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons PC7. identify problems in working with colleagues and take the initiative to solve these problems 	30	
	 PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons PC7. identify problems in working with colleagues and take the initiative to solve these problems PC8. follow the organisation's policies and procedures for 	30	
	 PC5. carry out commitments made to colleagues PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons PC7. identify problems in working with colleagues and take the initiative to solve these problems 	30	70





Qualification	Pack for	Lathe	Operator
Quanjication	i uck joi	Lutine	Operator

Resources needed to maintain a safe, secure working environment	To be competent, the user/individual on the job must be able to: PC1. comply with organisation's current health, safety and security policies and procedures PC2. report any identified breaches in health, safety, and security policies and procedures to the designated person PC3. Coordinate with other resources at the workplace to achieve the healthy, safe and secure environment for all incorporating all government norms esp. for emergency cituations like first parthquakes atc		
	situations like fires, earthquakes etc. PC4. identify and correct any hazards like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority	40	100
	PC5. report any hazards outside the individual's authority to the relevant person in line with organisational procedures and warn other people who may be affected		
	PC6. follow organisation's emergency procedures for accidents, fires or any other natural calamity	19	
	PC7. identify and recommend opportunities for improving health, safety, and security to the designated person	1	
	PC8. complete all health and safety records are updates and procedures well defined		
	subtotal	40	100
	Total	150	350