



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR PLUMBING

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
- Solution Of Standards of 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.....1
- 2. Qualifications Pack......2
- 3. <u>OS Units.....2</u>
- 4. Glossary of Key Terms3
- 5. Annexure: Nomenclature for QP & OS.....17

Introduction

Qualifications Pack – Plumber (After Sales Service)

SECTOR: PLUMBING INDUSTRY

SUB-SECTOR: Manufacturer

OCCUPATION: Plumbing

REFERENCE ID: PSC/ Q 0303

ALIGNED TO: NCO-2004/3415.90

Plumber (After Sales Service): Plumber (After Sales Service) is an important job role in 'Manufacturer' segment of plumbing industry. This job role requires the individual to maintain and servicing of the company's products used in plumbing systems of housing, commercial and institutional setups.

Brief Job Description: A Plumber (After Sales Service) is responsible for maintenance and servicing of the company's products used in plumbing systems of housing, commercial and institutional setups.

Personal Attributes: He should be able to work independently on his assignment. He should have problems solving skills through creative and innovative thinking. He should be a good team leader. He should be result oriented and positive in attitude.





Job Details

Qualifications Pack Code	PSC/ Q 0303		
Job Role	Plumber (After Sales Service)		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	0.1
Sector	Plumbing	Drafted on	01/09/13
Sub-sector	Manufacturer	Last reviewed on	30/10/13
Occupation	Plumbing	Next review date	30/04/14

Job Role	Plumber (After Sales Service)	
Role Description	Responsible for maintenance and servicing of the company's products used in plumbing systems of housing, commercial and institutional setups.	
NVEQF/NVQF level	3	
Minimum Educational Qualifications*	8th	
Maximum Educational Qualifications*	N.A.	
Training (Suggested but not mandatory)	On-the-job training.	
Experience	In lieu of minimum qualification the employee has worked for minimum 2 year in the same role.	
Applicable National Occupational Standards (NOS)	Compulsory: 1. PSC/ N 0303 (Maintenance and servicing of the company's products) 2. PSC/ N 0211 (Work effectively with colleagues) 3. PSC/ N 0212 (Maintain a healthy, safe and secure working environment) Optional: 4. 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.
Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
Job Role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
OS	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
NOS	NOS are Occupational Standards which apply uniquely in the Indian context.
Qualifications Pack Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
Qualifications Pack	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
Unit Code	Unit Code is a unique identifier for an Occupational Standard , which is denoted by an 'N'.
Unit Title	Unit Title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills or Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.



Qualifications Pack For Plumber (After Sales Service)



Acronyms

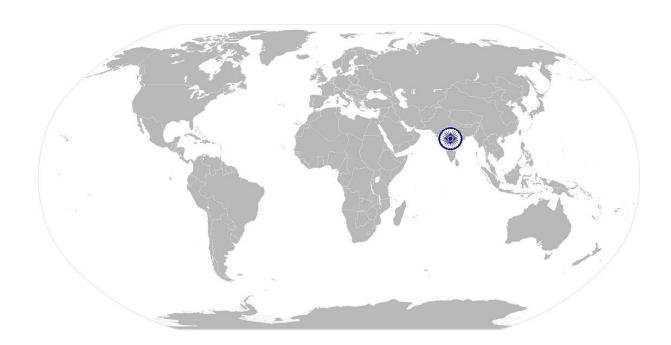
Keywords /Terms	Description
IPSC	Indian Plumbing Skills council
NOS	National Occupational Standards
NSQF	National Skills Qualification Framework
NVEQF	National Vocational Educational Qualification Framework
NVQF	National Vocational Qualification Framework
OS	Occupational Standards
PC	Performance Criteria
QP	Qualification Pack
SSC	Sector Skills Council







National Occupational Standard



Overview

This unit is about maintenance and servicing of the company's products used in plumbing systems of housing/commercial and institutional setups.







Unit Code	PSC/N0303	
Unit Title (Task)	Maintenance and servicing of the company's products	
Description	This OS unit is about maintenance and servicing of the company's products used in	
	plumbing systems of housing/ commercial and institutional setups	
Scope	This unit/task covers the following:	
	 Maintenance and Servicing It covers diagnose problems and/or failures in plumbing products for the purpose of identifying activities necessary to maintain the products It covers repair related activities like dismantling, replacement of components, reassembly, etc. with minimal damage to other systems/ components 	
Performance Criteria(P	PC) w.r.t. the Scope	
Element	Performance Criteria	
Maintenance and	To be competent, the user/individual on the job must be able to:	
Servicing	PC1. understand the products and their specifications	
	PC2. diagnose problems and/or failures in products for the purpose of identifying activities necessary to service/repair them PC3. decide whether the product requires onsite repairing or needs to be taken to factory shop based on complexity of problems PC1. establish the sequence of repair/ servicing PC2. prepare material for the repair/ service work as per the requirement PC3. disassemble components for the repair/ service work as per correct procedure PC4. carry out the overhaul to the agreed level, using the correct tools and techniques and without damaging other components PC5. respond to emergency situations for the purpose of resolving immediate safety concerns	
Quality of output	PC6. deliver the task in time PC7. ensure minimal wastage of material PC8. ensure minimal damage to the products and other systems PC4. clear the work area and dispose the waste appropriately PC5. achieve quality finishing in repair/ servicing of product PC9. test repaired/ serviced product for proper functioning	
Knowledge and Understanding (K)		







		1		
A.	Organizational	The user/individual on the job needs to know and understand:		
	Context	KA1.	company's policies on: quality and delivery standards, safety and hazards,	
			integrity, dress code, etc.	
		KA2.	risk and impact of not following defined procedures/work instructions	
		KA3.	how to handover/ takeover of the equipment / product / work area as per the instructions	
В.	Technical	The use	er/individual on the job needs to know and understand:	
	Knowledge	KB1.	set of plumbing products manufactured by the Company along with their	
		functions, specifications and components		
		KB2.	product and workplace safety specifications	
		KB3.	terminologies used in products and components	
		KB4.	assembling and dismantling procedure of components for different products	
		KB5.	various types of defects such as leakages, improper alignment, etc.	
		KB6.	relevant hand and power tools such as wrenches, pliers, screwdriver, power	
			drill, pipe cutter, crimping tool, pipe bender, threading tool, metal file, etc.	
		KB7.	units of measurement	
		KB8.	material disposal procedure, importance of appropriate disposal of material	
Ski	ills (S)			
A.	Core Skills/	Commu	unication skills	
	Generic Skills	The user/individual on the job needs to know and understand how to:		
		SA1. communicate in Hindi / regional language		
		Teamwork		
		SA2. share work load as required		
		SA3.	.3. accept and interpret instructions and requirements correctly	
		SA4.	co-ordinate with co-workers and sub-ordinates	
В.	Professional Skills	Use of t	tools and machines	
		The use	er/individual on the job needs to know and understand how to:	
		SB1.	use relevant tools, equipment and consumables for maintenance of piping	
			fixtures and fittings	
		SB2.	operate, maintain and repair tools	
		Maintenance and servicing techniques		
		SB3. carry out diagnosis and identify faulty components in the product		
		SB4.	, , , , , , , , , , , , , , , , , , , ,	
		SB5.	stack and store materials and equipment appropriately at the task site	
		SB6.	test run of repaired products	
		Decisio	n making	
		SB7.	when and how to respond to any emergency situations	
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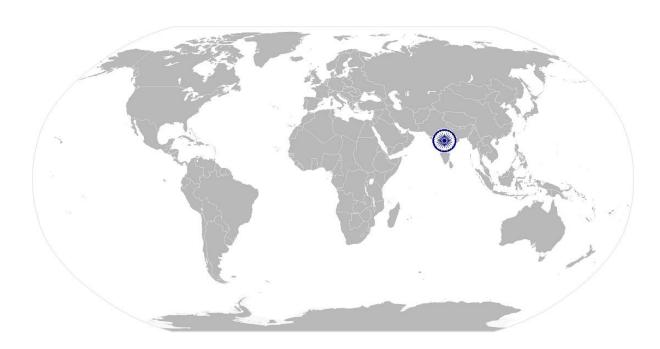






NOS Version Control

NOS Code	PSC /N0303		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	0.1
Industry	Plumbing	Drafted on	06/12/13
Industry Sub-sector	Manufacturers	Last reviewed on	20/12/13
		Next review date	30/06/14

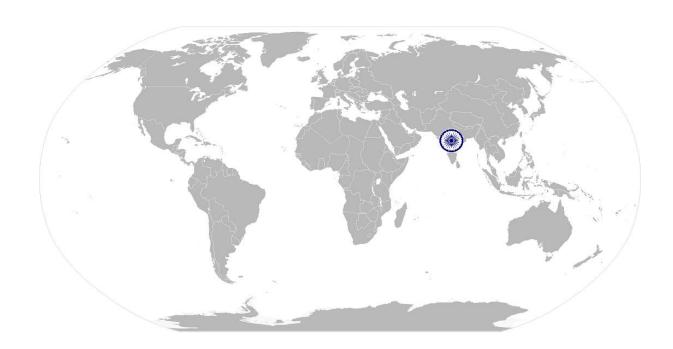








National Occupational Standard



Overview

This unit is about working effectively with colleagues, either within team or in other working teams for a plumbing project.







Unit Code	PSC/N0211	
Unit Title (Task)	Work effectively with colleagues	
Description	This OS unit is about working effectively with colleagues, either within team or in other working teams for a plumbing project	
Scope	This unit/task covers the following:	
	Interact with seniors	
	receive work instructions, discuss task status and receive feedback	
	Interact with colleagues within and outside the team	
	communicate and discuss work flow, problems faced, possible solutions and communicate and discuss work flow, problems faced, possible solutions and communicate and discuss work flow, problems faced, possible solutions and	
	pass on the learning within and outside the team	
Performance Criteria(P	C) w.r.t. the Scope	
Element	Performance Criteria	
Interaction with	To be competent, the user/individual on the job must be able to:	
seniors	PC1. receive work instructions and discuss the project/design with seniors	
	PC2. communicate to reporting senior about task status, repairs and maintenance	
	of tools and equipment as required	
	PC3. communicate any potential hazards and expected process disruptions	
	PC4. get the work reviewed and handover completed task to seniors	
	PC5. receive feedback from reporting senior	
	PC6. report any anticipated reasons for delays	
Interact with	To be competent, the user/individual on the job must be able to:	
colleagues within and	PC7. work as a team with colleagues and share work as per the work load and skills	
outside the team	PC8. work with colleagues of other teams	
	PC9. communicate and discuss work flow related difficulties in order to find	
	solution with mutual agreement	
	PC10. put team over individual goals	
	PC11. resolve conflicts	
Knowledge and Unders	standing (K)	
A. Organizational	The user/individual on the job needs to know and understand:	
Context	KA1. company's policies on: preferred language of communication, quality delivery	
	standards and personnel management	
	KA2. reporting structure	







В.	Technical	The use	er/individual on the job needs to know and understand:	
	Knowledge	KB1.	effective ways of communication	
		KB2.	building team co-ordination	
Ski	ills (S)			
C.	Core Skills/	Commi	unication skills	
	Generic Skills	The use	er/individual on the job needs to know and understand how to:	
		SA1.	communicate in Hindi, English and/or regional language	
		Teamw	vork	
		SA2.	share work load as required	
		SA3. accept and interpret instructions and requirements correctly		
		SA4.	co-ordinate with co-workers and sub-ordinates	
D.	Professional Skills	Decision making		
		The user/individual on the job needs to know and understand:		
		SB1. how to spot and communicate potential areas of disruptions to work process		
		and report the same		
		SB2. when to report to supervisor and when to deal with a colleague individually,		
		6	depending on the type of concern	
		Reflect	ive thinking	
		SB3.	improve work processes by interacting with others and adopting best	
			practices	







NOS Version Control

NOS Code	PSC/N0211		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	ТВD	Version number	0.1
Industry	Plumbing	Drafted on	01/09/13
Industry Sub-sector	Consultants / Manufacturers	Last reviewed on	30/10/13
		Next review date	30/04/14

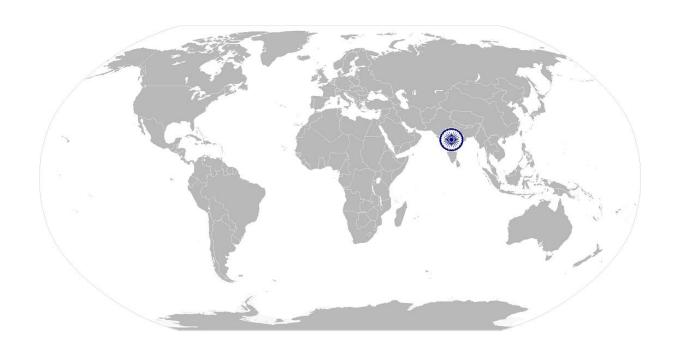








National Occupational Standard



Overview

This unit is about being aware of, communicating and taking steps towards minimizing potential hazards and dangers of accidents on the job and maintaining occupational health and safety.







Unit Code	PSC/N0212
Unit Title	Maintain a healthy, safe and secure working environment
(Task)	
Description	This OS unit is about monitoring your working environment and making sure it meets
	requirements for health and safety
Scope	This unit/task covers the following:
	Emergency procedures to be followed in case of
	accidents
	• fires
	• illness
	breach of security
	other reasons to evacuate the premises
Performance Criteria(I	PC) w.r.t. the Scope
Element	Performance Criteria
Emergency	To be competent, the user/individual on the job must be able to:
procedures	PC1. comply with organization'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. identify and remove any hazards that can be dealt safely, competently and
	within the limits of individual's authority
	PC4. report hazards to the relevant person in line with organizational procedures
	and warn other people who may be affected
	PC5. follow organization's emergency procedures promptly, calmly, and efficiently
	PC6. identify and recommend opportunities for improving health, safety, and
	security to the designated person
	PC7. complete any health and safety records legibly and accurately
Knowledge and Under	standing (K)
A. Organizational	The user/individual on the job needs to know and understand:
Context	KA1. company's policy on: safety and hazards, personnel management, role and
	responsibilities
	KA2. reporting structure
	KA3. what is meant by a hazard, including the different types of health and safety
	hazards that can be found in the workplace
	KA4. organization's emergency procedures for different emergency situations and







		the importance of following these		
		KA5. importance of maintaining high standards of health, safety and security		
		KA6. implications that any non-compliance with health, safety and security may		
		have on individuals and the organization		
В.	Technical	The user/individual on the job needs to know and understand:		
	Knowledge	KB1. different types of breaches in health, safety and security and how and when		
		to report these		
		KB2. evacuation procedures for workers and visitors		
Ski	lls (S)			
A.	Core Skills/	Communication skills		
	Generic Skills	The user/individual on the job needs to know and understand how to:		
		SA1. effectively communicate the danger		
		Organising skills		
		SA2. keep the work environment safe and clean		
В.	Professional Skills	Decision making		
		The user/individual on the job needs to know and understand how to:		
		SB1. report potential sources of danger		
		SB2. follow prescribed procedure in the event of an accident		
		SB3. plan and organize your work to meet health, safety and security requirements		
		Reflective thinking		
		SB4. learn from past mistakes and apply balanced judgments to different		
		situations		







NOS Version Control

NOS Code	PSC /N0212		
Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	0.1
Industry	Plumbing	Drafted on	15/07/13
Industry Sub-sector	Consultants / Manufacturers	Last reviewed on	30/07/13
		Next review date	31/01/14



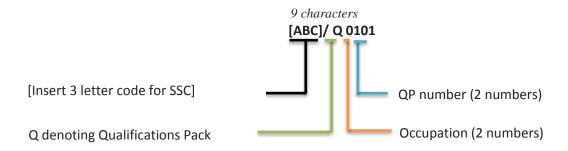




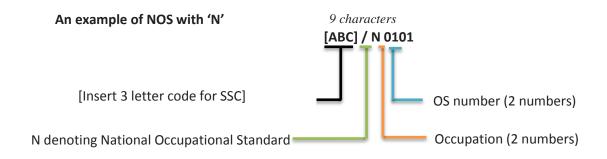
Annexure

Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard









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

Sub-sector	Range of Occupation numbers
Contractors	01-30
Consultants	30-60
Manufacturers	60-90

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