



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 the understanding when with specifications of the understanding

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Introduction

Qualifications Pack - Plumber (Pumps & E/M Mechanic)

SECTOR: PLUMBING INDUSTRY

SUB-SECTOR: Contractors

OCCUPATION: Plumbing

REFERENCE ID: PSC/Q0111

ALIGNED TO: NCO-2004/7233.40

Plumber (Pumps & E/M Mechanic): Plumber (Pumps & E/M Mechanic) is an important job role in carrying out installation and repair of pumps and E/M equipments in 'contractors' segment.

Brief Job Description: A Plumber (Pumps & E/M Mechanic) is responsible for installation and repair of Pumps and E/M equipment used for different plumbing applications of housing, commercial and institutional setups.

Personal Attributes: He should be able to work independently on his assignment. He should be comfortable in performing laborious work. He should be a good listener. He should be good at taking and following instructions. He should be a good team player. He should be result oriented and positive in attitude.





| Qualifications Pack Code | PSC/Q0111 | | |
|-------------------------------------|--------------------------------|------------------|----------|
| Job Role | Plumber (Pumps & E/M Mechanic) | | |
| Credits(NVEQF/NVQF/NSQF) [OPTIONAL] | TBD | Version number | 0.1 |
| Sector | Plumbing | Drafted on | 15/07/13 |
| Sub-sector | Contractors | Last reviewed on | 30/07/13 |
| Occupation | Plumbing | Next review date | 31/01/14 |

| Job Role | Plumber (Pumps & E/M Mechanic) | |
|--|--|--|
| Role Description | Responsible for installation and repair of Pumps and E/M equipment used for different plumbing applications of housing, commercial and institutional setups. | |
| NVEQF/NVQF level | 4 | |
| Minimum Educational Qualifications* | 12 th | |
| 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 3 year in the same role. | |
| | Compulsory: | |
| | 1. PSC/ N 0117 (Installation and repair of pumps and equipments) | |
| | 2. PSC/ N 0126 (Installation and repair of E/M equipments) | |
| Applicable National Occupational | 3. PSC/ N 0108 (Coordinating with the senior and other | |
| Standards (NOS) | working team) | |
| | 4. PSC/ N 0109 (Maintain a healthy, safe and secure | |
| | working environment) | |
| | Optional: | |
| | 5. 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 | Performance Criteria are statements that together specify the standard of |
| Criteria | 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, |
| Qualifications Pack | 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 |
| Omit code | denoted by an 'N'. |
| Unit Title | Unit Title gives a clear overall statement about what the incumbent should be |
| | able to do. |
| Description | Description gives a short summary of the unit content. This would be helpful |
| | to anyone searching on a database to verify that this is the appropriate OS |
| | they are looking for. |
| Knowledge and | Knowledge and Understanding are statements which together specify the |
| Understanding | technical, generic, professional and organizational specific knowledge that an |
| | individual needs in order to perform to the required standard. |
| Organizational | Organizational Context includes the way the organization is structured and |
| Context | how it operates, including the extent of operative knowledge managers have |
| Tankaissi | of their relevant areas of responsibility. |
| Technical | Technical Knowledge is the specific knowledge needed to accomplish specific |
| Knowledge | designated responsibilities. |
| Core Skills or Generic Skills | Core Skills or Generic Skills are a group of skills that are key to learning and |
| Generic Skiiis | 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. |
| | Skins that are applicable to most job roles. |



Qualifications Pack For Plumber (Pumps & E/M Mechanic)



Acronyms

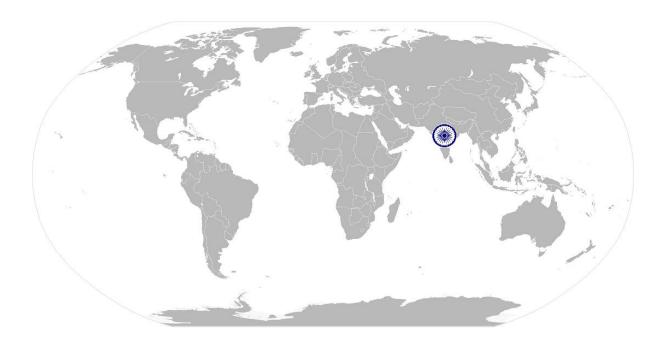
| Keywords /Terms | Description |
|-----------------|---|
| IPSC | Indian Plumbing Skills council |
| NOS | National Occupational Standards |
| NSQF | National Skills Qualification Framework |
| NVEQF | National Vocational Educational Qualification Framework |
| NVQF | National Vocational Qualification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







National Occupational Standard



Overview

This unit is about installing and repairing pumps and equipments used for different plumbing applications in housing, commercial and institutional setups.







| Unit Code | PSC/N0117 | |
|--------------------------|--|--|
| Unit Title (Task) | Installation and repair of pumps and equipments | |
| Description | This OS unit is about installing and repairing pumps and equipments used for different | |
| | plumbing applications in housing, commercial and institutional setups | |
| Scope | This unit/task covers the following: | |
| | | |
| | Pre-installation | |
| | pre-installation related activities involving understanding of the task, | |
| | assembling pumps components, material preparation and marking the | |
| | positions for connection of inlet and outlet supply | |
| | Installation | |
| | installation related activities of the pumps and equipments | |
| | following manufacturer's Standard Installation and Operating Procedures | |
| | Tollowing manufacturer's Standard installation and Operating Procedures | |
| | Post-installation Post-installation | |
| | basic quality check of the installed system | |
| | Sasie quality creek of the instance of | |
| | Service and repair | |
| | diagnosis related activities like understanding the installed pump and | |
| | equipment systems, basic inspection and identification of the fault in pumps | |
| | and equipments | |
| | 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 | |
| | Performance Criteria | |
| Element Pre-installation | To be competent, the user/individual on the job must be able to: | |
| Pre-installation | PC1. understand the pump assembly to be installed as per manufacturer's | |
| | specifications | |
| | PC2. identify standard operating procedures and quality assurance requirements | |
| | PC3. assemble pump components and prepare material for the task | |
| | PC4. establish sequence of pump and equipment installations | |
| | PC5. locate and mark position for inlet and outlet supply connections of pump | |
| Installation | PC6. fix the pump at the designated location as per instruction | |
| | PC7. connect the hoses of inlet and outlet supply to the pump | |
| | PC8. make provisions for electrical and other required connections | |
| | PC9. ensure prevention of any contact of water and electrical connections with | |







| each other PC10. install and connect pump components without any damage to pump, fixture, pipe work, the surrounding environment, or to other services PC11. adjust pressure/flow as per required supply and demand PC12. understand the installed pump system PC13. inspect and identify problem/fault in the installed pump system such as inlet & outlet connection, electrical connection, motor, etc. PC14. establish the sequence of repair/ servicing PC15. assemble tools and prepare material required for the task PC16. prepare material for the repair/ service work as per the requirement PC17. disassemble pump components for the repair/ service work as per correct procedure PC18. carry out the overhaul to the agreed level, using the correct tools and techniques and without damaging other pump system components Productivity & Quality of output PC19. check installed pump systems for correct functioning and compliance with specifications PC20. clear the work area and dispose the waste appropriately PC21. achieve quality finishing in repair/ scoring of pump systems PC22. test repaired/ serviced pump system for proper functioning Knowledge and Understanding (K) A. Organizational Context The user/individual on the job needs to know and understand: KA1. company's policies on: quality and delivery standards, safety and hazards, integrity, dress code, etc. KA2. importance of the individual's role in the work flow KA3. risk and impact of not following defined procedures/work instructions KA4. how to handover/ takeover of the equipment/ fixture / work area as per the instructions B. Technical Knowledge The user/individual on the job needs to know and understand: KB1. equipment and workplace safety specifications KB2. terminologies used in pump systems KB3. types of water supply and its implication on pumping system KB4. performance measures, applications and properties of water pumps |
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| KB5. manufacturers' specifications related to the installation and fitting of pumps |
| KB6. units of measurements |
| KB7. how to calculate material requirements |
| KB8. procedure of installing water pumps |
| KB9. levelling and alignment procedures |
| KB10. material disposal procedure and its importance |







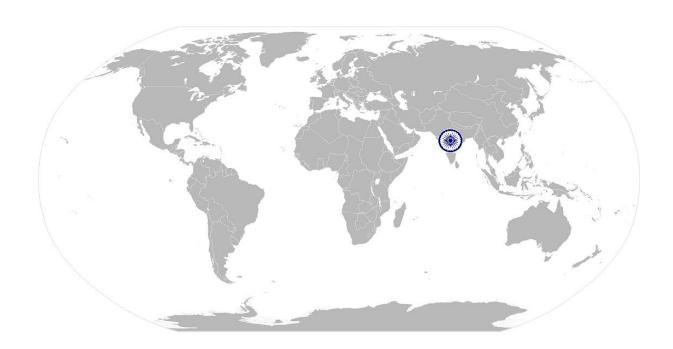
| | | KB11. types of faults generally occurring with pump systems | |
|----|---------------------|---|--|
| | | KB12. the extent to which the equipment is to be dismantled for overhaul | |
| | | KB13. sequence to be adopted for the dismantling/reassembling of the pump | |
| | | assembly | |
| | | KB14. techniques used to dismantle the pump assembly, without damage to the | |
| | | components or surrounding structure | |
| | | KB15. methods of reassembling the pump, using new or previously overhauled | |
| | | components | |
| Sk | ills (S) | | |
| A. | Core Skills/ | Communication and reading skills | |
| | Generic Skills | The user/individual on the job needs to know and understand how to: | |
| | | SA1. communicate in Hindi / regional language | |
| | | SA2. read manufacturer's manual about water pumps and its components | |
| | | Measurement/positioning skills | |
| | | SA3. perform simple mathematical calculations | |
| | | SA4. measure and mark positions as per instructions/specifications | |
| | | Teamwork | |
| | | SA5. share work load as required | |
| | | SA6. accept and interpret instructions and requirements correctly | |
| | | SA7. co-ordinate with co-workers and sub-ordinates | |
| В. | Professional Skills | Use of tools and machines | |
| | | The user/individual on the job needs to know and understand how to: | |
| | | SB1. identify and use tools, accessories and equipment like steel rule, hammer, | |
| | | files, fasteners, wrench, screw drivers, etc. for installation and repair of pump | |
| | | and equipment systems | |
| | | SB2. maintain and repair tools and equipment | |
| | | Installation techniques | |
| | | SB3. carry out pre-installation preparation as per requirement | |
| | | SB4. align and join water pump as per requirement/ manufacturer's specifications | |
| | | SB5. plan and organise activities associated with installing of water pumps, | |
| | | including the scheduling and use of equipment, materials and tools to avoid | |
| | | backtracking and rework | |
| | | SB6. estimate flow/ pressure suitable for the pump system being installed | |
| | | SB7. calculate material requirements for installation of water pumps | |
| | | SB8. stack and store materials and equipment appropriately at the task site | |
| | | SB9. test installed pump system for proper functioning | |
| | | Repair and Servicing techniques | |
| | | | |







| SB10. carry out diagnosis work as per requirement/ procedure SB11. plan and organise activities associated with repair/ service of installed water pumps, including the scheduling and use of equipment, materials and tools to avoid backtracking and rework |
|---|
| SB12. stack and store materials and equipment appropriately at the task site |
| SB13. disassemble pump components for the repair/ service work |
| SB14. repair, replace components and reassemble the system |
| SB15. test repaired/ serviced pump system for proper functioning |



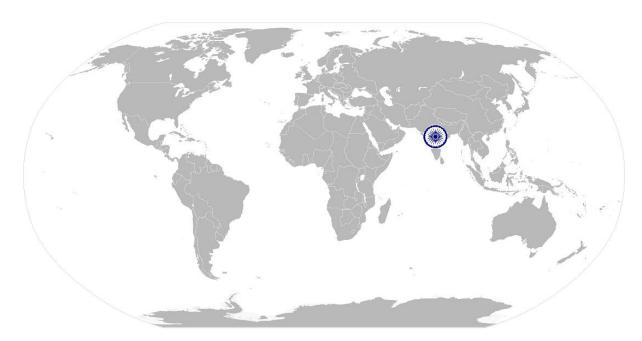






NOS Version Control

| NOS Code | PSC/N0117 | | |
|-------------------------------------|-------------|------------------|----------|
| Credits(NVEQF/NVQF/NSQF) [OPTIONAL] | TBD | Version number | 0.1 |
| Industry | Plumbing | Drafted on | 01/09/13 |
| Industry Sub-sector | Contractors | Last reviewed on | 30/10/13 |
| | | Next review date | 30/04/14 |

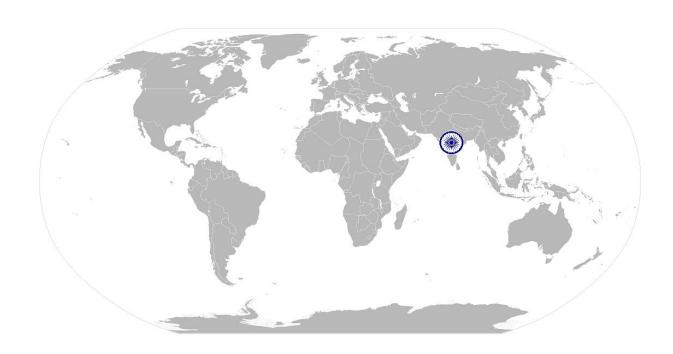








National Occupational Standard



Overview

This unit is about installing and repairing E/M equipment such as water heaters, water and waste water treatment equipments, etc. used for different plumbing applications in housing, commercial and institutional setups.







| Unit Code | PSC/N0126 | | |
|------------------------|---|--|--|
| Unit Title (Task) | Installation and repair of E/M equipments | | |
| Description | This OS unit is about installing and repairing E/M equipment such as water heaters, water and waste water treatment equipments, etc. used for different plumbing applications in housing, commercial and institutional setups | | |
| Scope | This unit/task covers the following: | | |
| | Pre-installation • pre-installation related activities involving understanding of the task, assembling E/M equipment components (e.g., filtration, softening, Reverse Osmosis, Sewerage, ETP, etc.), material preparation and marking the positions for connection Installation • installation • basic quality check of the installed system Service and repair • diagnosis related activities like understanding the installed E/M equipment systems, basic inspection and identification of the fault in the system • repair related activities like dismantling, replacement of components, | | |
| | reassembly, etc. with minimal damage to other systems/ components | | |
| Performance Criteria(P | C) w.r.t. the Scope | | |
| Element | Performance Criteria | | |
| Pre-installation | To be competent, the user/individual on the job must be able to: PC1. understand the E/M equipment assembly to be installed as per manufacturer's specifications PC2. identify standard operating procedures and quality assurance requirements PC3. assemble E/M equipment components and prepare material for the task PC4. establish sequence of installations PC5. locate and mark position for any inlet and outlet supply connections of E/M equipment | | |
| Installation | PC6. fix the E/M equipment at the designated location as per instruction PC7. make provisions for electrical and other required connections PC8. ensure prevention of any contact of water and electrical connections with | | |







| each other | | |
|--|--|--|
| PC9. install and connect E/M equipment components without any damage | to the | |
| equipment, fixture, pipe work, the surrounding environment, or to of | her | |
| services | | |
| PC10. adjust pressure/flow as per required supply and demand | | |
| Diagnosis and Repair PC11. understand the installed E/M equipment system | | |
| PC12. inspect and identify problem/fault in the installed E/M equipment sys | stem | |
| such as inlet & outlet connection, electrical connection, motor, etc. | | |
| PC13. establish the sequence of repair/ servicing | | |
| PC14. assemble tools and prepare material required for the task | | |
| PC15. prepare material for the repair/ service work as per the requirement | | |
| PC16. disassemble E/M equipment components for the repair/ service worl | c as per | |
| correct procedure | | |
| PC17. carry out the overhaul to the agreed level, using the correct tools and | I | |
| techniques and without damaging other E/M equipment system com | ponents | |
| Productivity & PC18. check installed E/M equipment systems for correct functioning and | | |
| Quality of output compliance with specifications | | |
| PC19. achieve quality finishing in repair/ sericing of E/M equipment systems | | |
| PC20. test repaired/ serviced E/M equipment system for proper functioning | 5 | |
| PC21. clear the work area and dispose the waste appropriately | | |
| Knowledge and Understanding (K) | | |
| 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 haz | ards, | |
| integrity, dress code, etc. | | |
| KA2. importance of the individual's role in the work flow | | |
| KA3. risk and impact of not following defined procedures/work instruction | s | |
| KA4. how to handover/ takeover of the equipment/ fixture / work area as | per the | |
| instructions | | |
| B. Technical The user/individual on the job needs to know and understand: | The user/individual on the job needs to know and understand: | |
| Knowledge KB1. equipment and workplace safety specifications | | |
| KB2. basic electrical knowledge | | |
| KB3. basic terminologies used in E/M equipment system | | |
| KB4. performance measures, applications and properties of E/M equipme | ent | |
| KB5. manufacturers' specifications related to the installation and fitting of | E/M | |
| equipment | | |
| KB6. types of faults generally occurring with E/M equipment systems | | |
| KB7. the extent to which the equipment is to be dismantled for overhaul | | |







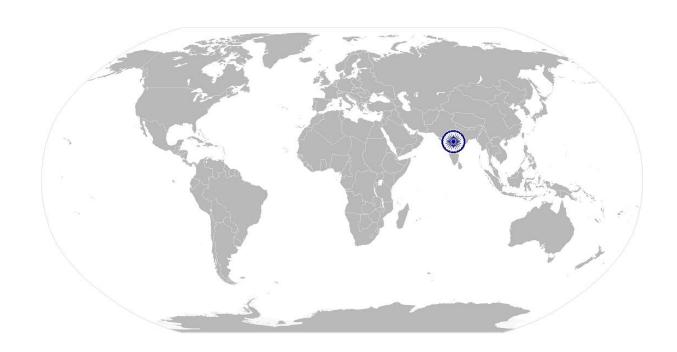
| | KB8. sequence to be adopted for the dismantling/reassembling of theE/M | | |
|------------------------|---|--|--|
| | equipment | | |
| | KB9. techniques used to dismantle the E/M equipment assembly, without damage | | |
| | to the components or surrounding structure | | |
| | KB10. methods of reassembling the E/M equipment, using new or previously | | |
| | overhauled components | | |
| | KB11. units of measurements | | |
| | KB12. how to calculate material requirements | | |
| | KB13. procedure of installing E/M equipment | | |
| | KB14. material disposal procedure and its importance | | |
| Skills (S) | | | |
| A. Core Skills/ | Communication and readingskills | | |
| Generic Skills | The user/individual on the job needs to know and understand how to: | | |
| | SA1. communicate in Hindi / regional language | | |
| | SA2. read manufacturer's manual about E/M equipmentand its components | | |
| | Measurement/positioning skills | | |
| | SA3. perform simple mathematical calculations | | |
| | SA4. measure and mark positions as per instructions/specifications | | |
| | Teamwork | | |
| | SA5. share work load as required | | |
| | SA6. accept and interpret instructions and requirements correctly | | |
| | SA7. co-ordinate with co-workers and sub-ordinates | | |
| B. Professional Skills | | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB1. identify and use tools, accessories and equipment like steel rule, hammer, | | |
| | files, fasteners, wrench, screw drivers, etc. for installation of E/M equipment | | |
| | SB2. maintain and repair tools and equipment | | |
| | Installation techniques | | |
| | SB3. carry out pre-installation preparation as per requirement | | |
| | SB4. align and join E/M equipment as per requirement/ manufacturer's | | |
| | specifications | | |
| | SB5. plan and organise activities associated with installing of E/M equipment, | | |
| | including the scheduling and use of equipment, materials and tools to avoid | | |
| | backtracking and rework | | |
| | SB6. calculate material requirements for installation of E/M equipment | | |
| | SB7. stack and store materials and equipment appropriately at the task site | | |
| | SB8. test installed E/M equipment system for proper functioning | | |
| | · · · · · · · · · · · · · · · · · · · | | |







| Repair and services techniques | | |
|---|--|--|
| SB9. carry out diagnosis work as per requirement/ procedure | | |
| SB10. plan and organise activities associated with repair/ service of installed E/M | | |
| equipment, including the scheduling and use of equipment, materials and | | |
| tools to avoid backtracking and rework | | |
| SB11. stack and store materials and equipment appropriately at the task site | | |
| SB12. disassemble E/M equipment components for the repair/ service work | | |
| SB13. repair, replace components and reassemble the system | | |
| SB14. test repaired/ serviced E/M equipment system for proper functioning | | |



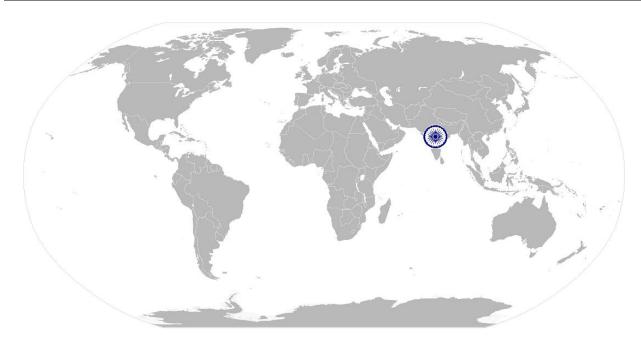






NOS Version Control

| NOS Code | PSC/N0126 | | |
|-------------------------------------|-------------|------------------|----------|
| Credits(NVEQF/NVQF/NSQF) [OPTIONAL] | TBD | Version number | 0.1 |
| Industry | Plumbing | Drafted on | 01/09/13 |
| Industry Sub-sector | Contractors | Last reviewed on | 30/10/13 |
| | | Next review date | 30/04/14 |



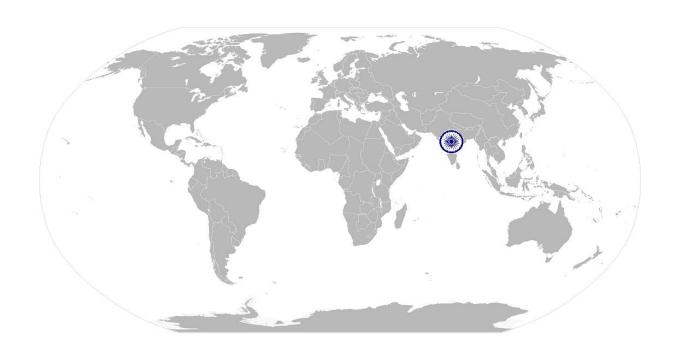






PSC/N0108 Coordinating with the senior and other working team

National Occupational Standard



Overview

This unit is about team work and level of communication with colleagues or clients. It determines the ability to work as a team member, share work and multi-task in order to achieve the deliverables on schedule.



National Occupational Standards



PSC/N0108 Coordinating with the senior and other working team

| Unit Code | PSC/N0108 | | |
|------------------------|---|--|--|
| Unit Title | Coordinating with the senior and other working team | | |
| (Task) | | | |
| Description | is OS unit is about communicating with colleagues and seniors in order to achieve | | |
| | oth and hazard free work flow | | |
| Scope | This unit/task covers the following: | | |
| | | | |
| | Interact with senior | | |
| | 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 | | |
| | pass on the learning within and outside the team | | |
| Performance Criteria(P | Performance Criteria(PC) w.r.t. the Scope | | |
| Element | Performance Criteria | | |
| Interaction with | To be competent, the user/individual on the job must be able to: | | |
| senior | PC1. receive work instructions and raw materials from reporting senior | | |
| | 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. handover completed task to reporting senior | | |
| | PC5. receive feedback from reporting senior | | |
| | PC6. report any anticipated reasons for delays | | |
| Interact with | PC7. work as a team with colleagues and share work as per the work load and skills | | |
| colleagues within and | PC8. work with colleagues of other teams | | |
| outside the team | PC9. communicate and discuss work flow related difficulties in order to find | | |
| | solution with mutual agreement | | |
| | PC10. taking instructions from the reporting senior | | |
| | PC11. report problem/incident etc. | | |
| | PC12. put team over individual goals | | |
| | PC13. 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 | | |







PSC/N0108 Coordinating with the senior and other working team

| В. | Technical | The user/individual on the job needs to know and understand: | | |
|-----|----------------------------|--|--|--|
| | Knowledge | KB1. effective ways of communication | | |
| | | KB2. building team co-ordination | | |
| Ski | ills (S) | | | |
| A. | Core Skills/ | Communication 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. accept and interpret instructions and requirements correctly | | |
| | | SA4. co-ordinate with co-workers and sub-ordinates | | |
| В. | 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 senior and when to deal with a colleague individually, | | |
| | | depending on the type of concern | | |
| | | Reflective thinking | | |
| | | SB3. improve work processes by interacting with others and adopting best practices | | |



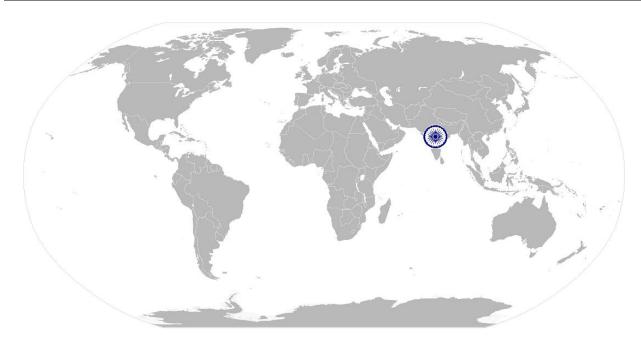




PSC/N0108 Coordinating with the senior and other working team

NOS Version Control

| NOS Code | PSC/N0108 | | |
|-------------------------------------|-------------|------------------|----------|
| Credits(NVEQF/NVQF/NSQF) [OPTIONAL] | TBD | Version number | 0.1 |
| Industry | Plumbing | Drafted on | 15/07/13 |
| Industry Sub-sector | Contractors | Last reviewed on | 30/07/13 |
| | | Next review date | 31/01/14 |

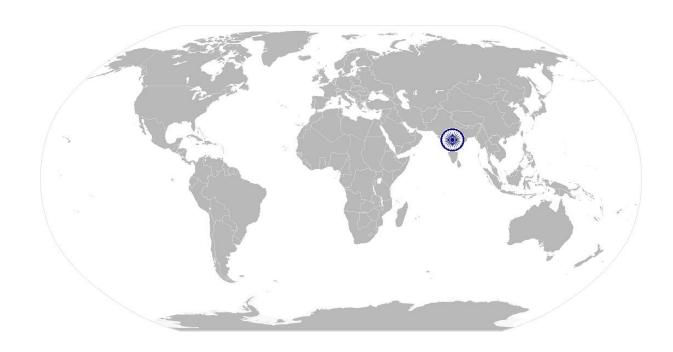






PSC/N0109 Maintain a healthy, safe and secure working environment

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.



${\displaystyle NOS}$



PSC/N0109 Maintain a healthy, safe and secure working environment

| Unit Code | PSC/N0109 | | |
|----------------------|---|--|--|
| Unit Title (Task) | Maintain a healthy, safe and secure working environment | | |
| 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: | | |
| | Communicate to reporting senior about | | |
| | process flow improvements that can reduce anticipated or repetitive hazards | | |
| | mishandling of tools and equipment | | |
| | electrical or any other problem at the construction site that could result in accident | | |
| Performance Crite | eria(PC) w.r.t. the Scope | | |
| Element | Performance Criteria | | |
| Communicating | To be competent, the user/individual on the job must be able to: | | |
| potential accident | | | |
| points | PC2. attend and actively participate in the health and safety campaigns organized by the company or any other authority | | |
| Using safety gear | PC3. use or wear safety gear (helmet, gloves, goggles, safety shoes, ear plugs, etc.) | | |
| following healthy | as per the rules of the company | | |
| practices | PC4. attend fire drills or any other safety drills organized by the company or any other authority | | |
| | PC5. learn first-aid procedure | | |
| | PC6. use insect repellents and safe drinking water | | |
| | PC7. use site toilets and follow other hygienic practices | | |
| | PC8. understand the evacuation and emergency procedures | | |
| Knowledge and U | nderstanding (K) | | |
| A. Organizational | | | |
| Context | KA1. company's policy on: safety and hazards and personnel management | | |
| | KA2. reporting structure | | |
| B. Technical | The user/individual on the job needs to know and understand: | | |
| Knowledge | KB1. how to use tools and equipment without suffering any physical harm | | |
| | KB2. first-aid procedure | | |
| | KB3. diseases caused due use of unsafe water, biting of insects and following | | |
| | unhygienic practices | | |
| Chille (C) | KB4. evacuation and emergency procedures | | |
| Skills (S) | | | |



$\underset{\text{National Occupational Standards}}{\text{No S}}$



PSC/N0109 Maintain a healthy, safe and secure working environment

| A. | Core Skills/ | Commu | 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 all the tools in an organised manner so as to avoid accidents | | |
| | | SA3. 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. wear appropriate safety gear to avoid an accident | | | |
| | | Reflective thinking | | | |
| | | SB4. learn from past mistakes regarding use of hazardous tools and equipment | | | |





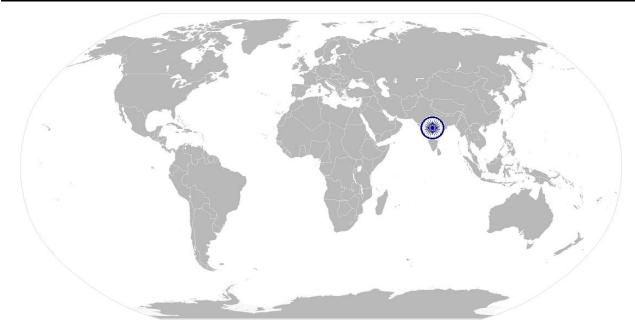
NOS National Occupational Standards



PSC/N0109 Maintain a healthy, safe and secure working environment

NOS Version Control

| NOS Code | PSC /N0109 | | |
|-------------------------------------|-------------|------------------|----------|
| Credits(NVEQF/NVQF/NSQF) [OPTIONAL] | TBD | Version number | 0.1 |
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| Industry Sub-sector | Contractors | Last reviewed on | 30/07/13 |
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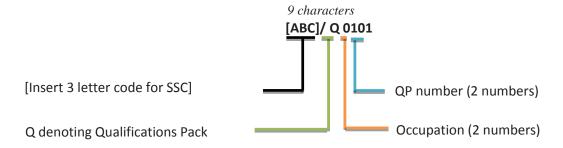




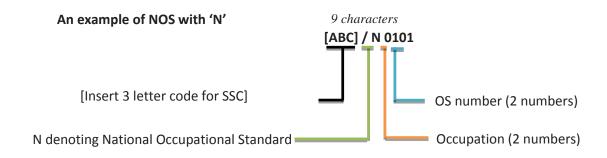
Annexure

Nomenclature for QP and NOS

Qualifications Pack



Occupational Standard





Qualifications Pack For Plumber (Pumps & E/M Mechanic)



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

| Sub-sector | Range of Occupation numbers | |
|---------------|-----------------------------|--|
| Contractors | 01-10 | |
| Consultants | 11-20 | |
| Manufacturers | 21-30 | |

| 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 |