

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

#### Contact Us:

ASDC, 1/6, Siri Institutional Area, Khel Gaon Road, New Delhi-110049 (India)

E-mail: <a href="mailto:skc@asdc.org.in">skc@asdc.org.in</a>



| 0 |            | 100 |
|---|------------|-----|
|   | V 1        |     |
|   | <b>N</b> 1 |     |

# Contents

| 1. | Introduction and ContactsP.1 |
|----|------------------------------|
| 2. | Qualifications PackP.2       |
| 3. | Glossary of Key TermsP.3     |
| 4. | NOS UnitsP.4                 |
| 5. | Assessment CriteriaP.19      |
|    |                              |

#### Introduction

# **Qualifications Pack –Press Shop Assistant / Helper**

**SECTOR:** AUTOMOTIVE

**SUB-SECTOR:** MANUFACTURING

**OCCUPATION:**PRESSING

**JOB ROLE**: PRESS SHOP ASSISTANT / HELPER

**REFERENCE ID:**ASC/Q3401

**ALIGNED TO:**NCO-2004/7221.90

**Press Shop Helper:** This role is involved in assisting the operator and the entire team in peripheral activities/ non-core activities in the press operations.

**Brief Job Description:** The Helper Press Shop role involves minor routine jobs like removing the scrap generated during the pressing operations (blanking, piercing, etc.), loading blanks and unloading of work pieces on the press line.

**Personal Attributes:** The individual should have basic writing and communication skills, safety orientation, ability to do physical tasks like lifting, holding etc. and dexterity.







| Qualifications Pack Code | ASC/Q3401   |  |  |  |
|--------------------------|---|--|--|--|
| Job Role                 | Press Shop Assistant /Helper  |  |  |  |
| Credits(NSQF)            | TBD Version number 1.0  |  |  |  |
| Industry                 | Automotive Drafted on 1/07/13   |  |  |  |
| Sub-sector               | Manufacturing Last reviewed on 10/07/13   |  |  |  |
| Occupation               | Pressing Next review date Under revision expected date of revised version 31-Dec-15 |  |  |  |
| NSQC Clearance on        | 20/07/15  |  |  |  |

| Job Role   | Press Shop Assistant/ Helper   |  |  |
|--|--|--|--|
| Role Description   | Able to undertake routine jobs of removing scrap produced, loading blanks & unloading work pieces on press line  |  |  |
| NSQF level Minimum Educational Qualifications Maximum Educational Qualifications  Training (Suggested but not mandatory) | Level 2  Class 8  Class 10  Basic press shop and housekeeping skills  SS and Safety  |  |  |
| Minimum Job Entry Age  | 1 ASDC recommends that candidates should seek full employment not before attaining an age of 18 years. 2 However, as per Factories Act1948: - No one can be employed before attaining the age of 15 - A person between the age of 15 – 18 (both inclusive) could be employed only With employers who follow safety and security systems & processes and also that the employee in this bracket will be working under supervision. 3 Please note that under the Factories Act 1948, different States may have slightly varying provision which need to be adhered to. |  |  |
| Experience   | 0-2 years  |  |  |
| Occupational Standards (OS)  | <ol> <li>ASC/ N3401:Undertake routine activities during press operations</li> <li>ASC/N 0021: Maintain 5S at the work premises</li> <li>ASC/N 0006: Maintain a safe and healthy working environment</li> </ol> Optional: <ul> <li>N.A.</li> </ul>  |  |  |
| Performance Criteria   | As described in the relevant NOS units   |  |  |







| Keywords /Terms                             | Description  |
|---|--|
| Core Skills/Generic<br>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. |
| 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 organization.  |
| 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.  |
| National<br>Occupational<br>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<br>Context                   | Organisational 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.   |
| Performance Criteria                        | Performance Criteria are statements that together specify the standard of performance required when carrying out a task.   |
| Qualifications<br>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<br>Code                 | Qualifications Pack Code is a unique reference code that identifies a qualifications pack.   |
| Sub-Sector                                  | Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.   |
| Sub-functions                               | Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.   |
| Technical Knowledge                         | Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.   |
| Unit Code                                   | Unit Code is a unique identifier for a NOS unit, which can be denoted with an 'N'  |
| Unit Title                                  | Unit Title gives a clear overall statement about what the incumbent should be able to do.  |
| Vertical                                    | Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.  |









Acronyms

| Keywords /Terms | Description                              |
|-----------------|--|
| NOS             | National Occupational Standard(s)        |
| NSQF            | National Skills Qualifications Framework |
| OEM             | Original Equipment Manufacturer          |
| OS              | Occupational Standard(s)                 |
| QP              | Qualifications Pack                      |









Undertake routine activities during press operations

# National Occupational Standards



# **Overview**

This unit is about carrying out routine activities of loading and unloading and removing scrap generated during the press operations









# Undertake routine activities during press operations

| Unit Code  | ASC/N3401   |  |  |
|--|---|--|--|
| Unit Title   |   |  |  |
| (Task)   | Undertake routine activities during press operations  |  |  |
| Description  | This NOS is about carrying out loading and unloading activities and removing scrap generated during the press operations  |  |  |
| Scope  | The Press shop helper will be responsible for  Removing the scrap generated during the pressing operations  Support the operator in machine operations and maintenance  Escalations of any queries regarding the job  The job holder will cover different types of pressing activities like deep drawing, centering, piercing, flanging, cutting etc.   |  |  |
| Performance Criteria (F  | PC) w.r.t. the Scope  |  |  |
| Element  | Performance Criteria  |  |  |
| Removing the scrap generated   | PC1. Periodically remove scrap generated during the pressing activities (blanking, piercing, etc.) PC2. Ensure emptying of the waste bucket   |  |  |
| Support the Operator   | <ul> <li>PC3. Clearly understanding the does and don'ts of the manufacturing process as defined in SOPs/ Work Instructions or defined by supervisors</li> <li>PC4. Carry out the routine maintenance check as per the standard operating procedures (SOP) at the start of the shift</li> <li>PC5. Support the master technician for setting the process</li> <li>PC6. Support the Operator in loading/ feeding the blanks as per specifications (in case of manual operations)</li> <li>PC7. Assist the technician in applying die lubricant, preservative, etc.</li> </ul> |  |  |
| Remove the output products from the press line                                       | PC8. Remove the output products from the press line in the specified manner PC9. Ensure no damage is done to the products during offloading/ stacking PC10. Inspect finished goods to detect any deviations from the product design as per SOP/ control panel PC11. Request assistance from the operator when required  |  |  |
| Knowledge and Unders   | standing (K) w.r.t. the scope   |  |  |
| Element  | Knowledge and Understanding   |  |  |
| A. Organisational Context (Knowledge of the Company/ Organisation and its processes) | The user/individual on the job needs to know and understand: KA1. relevant standards and procedures followed in the company KA2. different types of products manufactured by the company  |  |  |
| B. Technical<br>Knowledge  | The user/individual on the job needs to know and understand:  KB1. different types of pressing operations  KB2. different types of presses that are used in the pressing process  KB3. basic principles of 5 S in manufacturing   |  |  |









# Undertake routine activities during press operations

|                             | KB4. knowledge of unloading/ stacking work pieces as per specifications   |  |  |  |
|-----------------------------|---|--|--|--|
| 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. write basic level notes and observations  SA2. write in at least one language  |  |  |  |
|                             | Reading skills  |  |  |  |
|                             | The user/individual on the job needs to know and understand how to:  SA3. read and interpret workplace related documentation  SA4. interpret/ comprehend the information given in the documents and notes  SA5. read and interpret symbols given on equipment's and work area   |  |  |  |
|                             | Oral Communication (Listening and Speaking skills)  |  |  |  |
|                             | The user/individual on the job needs to know and understand how to:  SA6. discuss task lists and job requirements with co-workers  SA7. effectively communicate information to team members  SA8. question operator/ supervisor in order to understand the nature of the problem  SA9. attentively listen with full attention and comprehend the information given by the speaker |  |  |  |
| B. Professional Skills      | Decision making   |  |  |  |
|                             | The user/individual on the job needs to know and understand how to:<br>SB1. judge when to ask for help from a superior  |  |  |  |
|                             | Plan and Organise   |  |  |  |
|                             | The user/individual on the job needs to:  SB2. plan and organize the activities/ work allocated by supervisor and operator SB3. organize all equipment and kits so that sorting is easy on a day to day basis  Problem solving  |  |  |  |
|                             | The user/individual on the job needs to know and understand how to: SB4. refer problems outside area of responsibility to appropriate person  |  |  |  |
|                             | Analytical thinking   |  |  |  |
|                             | The user/individual on the job needs to know and understand how to:  SB5. 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:   |  |  |  |
|                             | SB6. use common sense and make judgments during day to day basis SB7. use reasoning skills to identify and resolve basic problems   |  |  |  |





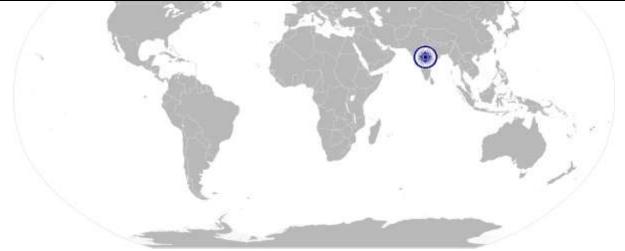




# Undertake routine activities during press operations

# **NOS Version Control**

| NOS Code            | ASC/N3401                               |                  |   |  |
|---------------------|---|------------------|---|--|
| Credits(NSQF)       | TBD Version number 1.0                  |                  |   |  |
| Industry            | Automotive                              | Drafted on       | 1/07/13   |  |
| Industry Sub-sector | Manufacturing Last reviewed on 10/07/13 |                  |   |  |
| Occupation          | Pressing                                | Next review date | Under revision expected date of revised version 31-Dec-15 |  |





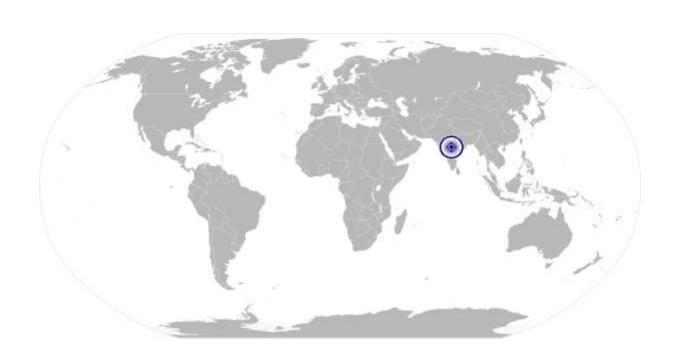






Maintain 5S at the work premises

# National Occupational Standards



# **Overview**

This unit is about the understanding all principles of 5S and follow the given guidelines to ensure a clean and efficient working environment in the organization









#### Maintain 5S at the work premises

| Unit Code                                | ASC/N 0021  |  |  |  |
|--|---|--|--|--|
| Unit Title                               |   |  |  |  |
| (Task)                                   | Maintain 5S at the work premises  |  |  |  |
| Description                              | This NOS is about creating a safe and healthy work place, adhering to the safety guidelines in the working area, following practices which are not impacting the environment in a negative manner   |  |  |  |
| Scope                                    | The role holder will be responsible for   |  |  |  |
|  | Identifying and reporting of risks  |  |  |  |
|  | Adhering to the policies and processes for sustaining a safe, clean and   |  |  |  |
|  | environment friendly work place This NOS will be applicable to all Automotive sector manufacturing job roles  |  |  |  |
| D. (                                     |   |  |  |  |
| Performance Criteria (PC) v              | · · · · · · · · · · · · · · · · · · ·   |  |  |  |
| Element                                  | Performance Criteria  |  |  |  |
| Identify and report the risks identified | PC1. Identify activities which can cause potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals ,loud noise  PC2. Inform the concerned authorities about the potential risks identified in the processes, workplace area/ layout, materials used etc.  PC3. Inform the concerned authorities about machine breakdowns, damages which can potentially harm man/ machine during operations  PC4. Create awareness amongst other by sharing information on the identified risks |  |  |  |
| Create and sustain a Safe,               | PC5. Follow the instructions given on the equipment manual  |  |  |  |
| clean and environment                    | describing the operating process of the equipment   |  |  |  |
| friendly work place                      | PC6. Follow the Safety, Health and Environment related practices developed by the organization  |  |  |  |
|  | PC7. Operate the machine using the recommended Personal   |  |  |  |
|  | Protective Equipment (PPE)  |  |  |  |
|  | PC8. Maintain a clean and safe working environment near the work  |  |  |  |
|  | place and ensure there is no spillage of chemicals, production  |  |  |  |
|  | waste, oil, solvents etc.  PC9. Maintain high standards of personal hygiene at the work place   |  |  |  |
|  | PC10. Ensure that the waste disposal is done in the designated area and   |  |  |  |
|  | manner as per organization SOP.   |  |  |  |
|  | PC11. Inform appropriately the medical officer/ HR in case of self or an  |  |  |  |
|  | employee's illness of contagious nature so that preventive  |  |  |  |
| ·  | actions can be planned for others   |  |  |  |
| Knowledge and Understan                  |   |  |  |  |
| Element                                  | Knowledge and Understanding   |  |  |  |
| A. Organisational                        | The user/individual on the job needs to know and understand:  |  |  |  |









# Maintain 5S at the work premises

| Context (Knowledge of the Company/ Organisation and its processes)  B. Technical Knowledge | <ul> <li>KA1. relevant standards, procedures and policies related to Health, Safety and Environment followed in the company</li> <li>KA2. emergency handling procedures &amp; hierarchy for escalation</li> <li>The user/individual on the job needs to know and understand:         <ul> <li>KB1. basic knowledge of Safety procedures( fire fighting, first aid) within the organization</li> <li>KB2. basic knowledge of various types of PPEs and their usage</li> <li>KB3. basic knowledge of risks/hazards associated with each occupation in the organization</li> </ul> </li> </ul> |  |  |
|--|---|--|--|
|  | KB4. knowledge of personal hygiene and how an individual an contribute towards creating a highly safe and clean working environment   |  |  |
| Skills (S) w.r.t. the scope  |   |  |  |
| Element  | Skills  |  |  |
| A. Core Skills/<br>Generic Skills  | Writing skills  The user/ individual on the job needs to know and understand how to:  SA1. write basic level notes and observations  Reading skills   |  |  |
|  | The user/individual on the job needs to know and understand how to:  SA2. read safety instructions put up across the plant premises  SA3. read safety precautions mentioned in equipment manuals and panels to understand the potential risks associate with the equipment  Oral Communication (Listening and Speaking skills)  |  |  |
|  | The user/individual on the job needs to know and understand how to: SA1. effectively communicate information to team members SA2. Inform employees in the plant and concerned functions about events, incidents & potential risks observed related to Safety, Health and Environment.  SA3. question operator/ supervisor in order to understand the safety related issues SA4. attentively listen with full attention and comprehend the information given by the speaker during safety drills and training programs   |  |  |

# **NOS Version Control**









# Maintain 5S at the work premises

| NOS Code            | ASC/N0021     |                  |   |
|---------------------|---------------|------------------|---|
| Credits(NSQF)       | TBD           | Version number   | 1.0   |
| Industry            | Automotive    | Drafted on       | 1/07/13   |
| Industry Sub-sector | Manufacturing | Last reviewed on | 10/07/13  |
| Occupation          | Pressing      | Next review date | Under revision expected date of revised version 31-Dec-15 |





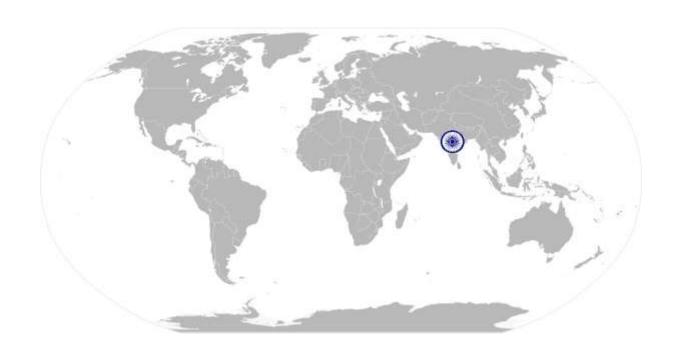






Maintain a safe and healthy working environment

# National Occupational Standard



# **Overview**

This unit is about establishing a Safe, Healthy and Environment friendly workplace









# Maintain a safe and healthy working environment

| Unit Code                     | ASC/N 0006   |  |  |
|-------------------------------|--|--|--|
| Unit Title                    |  |  |  |
| (Task)                        | Balantain a cafe and bankhoo canbing an incompany  |  |  |
|                               | Maintain a safe and healthy working environment  |  |  |
| Description                   | This NOS is about ensuring all 5 S activities both at the shop floor and the   |  |  |
| Control                       | office area to facilitate increase in work productivity  |  |  |
| Scope                         | The individual needs to  |  |  |
|                               | Ensure sorting, streamlining & organizing, storage and   |  |  |
|                               | documentation, cleaning, standardization and sustenance across   |  |  |
|                               | the plant and office premises of the organization  |  |  |
| Performance Criteria (PC) w.r | r.t. the Scope   |  |  |
| Element                       | Performance Criteria   |  |  |
| Ensure sorting                | PC1. Follow the sorting process and check that the tools, fixtures & jigs that are lying on workstations are the ones in use and unnecessary items are not cluttering the workbenches or work surfaces.  PC2. Ensure segregation of waste in hazardous/ non Hazardous waste as per the sorting work instructions  PC3. Follow the technique of waste disposal and waste storage in the proper bins as per SOP  PC4. Segregate the items which are labeled as red tag items for the process area and keep them in the correct places  PC5. Sort the tools/ equipment/ fasteners/ spare parts as per specifications/ utility into proper trays, cabinets, lockers as mentioned in the 5S guidelines/ work instructions  PC6. Ensure that areas of material storage areas are not overflowing  PC7. Properly stack the various types of boxes and containers as per the size/ utility to avoid any fall of items/ breakage and also enable easy sorting when required  PC8. Return the extra material and tools to the designated sections and make sure that no additional material/ tool is lying near the work area  PC9. Follow the floor markings/ area markings used for demarcating the various sections in the plant as per the prescribed instructions and standards |  |  |
| Ensure proper                 | PC10. Follow the proper labeling mechanism of instruments/ boxes/  |  |  |
| documentation and storage     | containers and maintaining reference files/ documents with the   |  |  |
| ( organizing , streamlining)  | codes and the lists  |  |  |
|                               | PC11. Check that the items in the respective areas have been identified as   |  |  |
|                               | broken or damaged  |  |  |
|                               | PC12. Follow the given instructions and check for labeling of fluids, oils.  lubricants, solvents, chemicals etc. and proper storage of the same   |  |  |
|                               | to avoid spillage, leakage, fire etc.  |  |  |
|                               | PC13. Make sure that all material and tools are stored in the designated   |  |  |









# Maintain a safe and healthy working environment

|  | places and in the manner indicated in the 5S instructions  |  |
|--|--|--|
| Ensure cleaning of self and the work place  PC14. Check whether safety glasses are clean and in good condense to the work place  PC15. Keep all outside surfaces of recycling containers are clean generally clean. In case of cleaning, ensure that proper of maintained on the floor which indicate potential safety PC17. Check whether all hoses, cabling & wires are clean, in good condition and clamped to avoid any mishap or mix up PC18. Ensure workbenches and work surfaces are clean and in condition  PC19. Follow the cleaning schedule for the lighting system to proper illumination  PC20. Store the cleaning material and equipment in the corresponding to the safety proper in the corresponding to the cleaning material and equipment in the corresponding to the cleaning to the clean |  |  |
|  | and in good condition PC21. Ensure self-cleanliness - clean uniform, clean shoes, clean gloves, clean helmets, personal hygiene  |  |
| Ensure sustenance  | <ul> <li>C1. Follow the daily cleaning standards and schedules to create a clean working environment</li> <li>C2. Attend all training programs for employees on 5 S</li> <li>C3. Support the team during the audit of 5 S</li> <li>C4. Participate actively in employee work groups on 5S and encourage team members for active participation</li> <li>C5. Follow the guidelines for What to do and What not to do to build sustainability in 5S as mentioned in the 5S check lists/ work instructions</li> </ul>  |  |
| Knowledge and Understanding Element  | ng (K) w.r.t. the scope  Knowledge and Understanding   |  |
| A. Organizational Context (Knowledge of the company / organization and its processes)  | The user/individual on the job needs to know and understand:  KA1. relevant standards, procedures and policies related to 5S followed in the company   |  |
| B. Technical Knowledge   | The user/individual on the job needs to:  KB5. have basic knowledge of 5S procedures  KB6. know various types 5s practices followed in various areas  KB7. understand the 5S checklists provided in the department/ team  KB8. have skills to identify useful & non useful items  KB9. have knowledge of labels, signs & colours used as indicators  KB10. Have knowledge on how to sort and store various types of tools,  equipment, material etc.  KB11. know, how to identify various types of waste products  KB12. understand the impact of waste/ dirt/ dust/unwanted  substances on the process/ environment/ machinery/ human |  |









# Maintain a safe and healthy working environment

| Skills (S)w.r.t. the scope     | body KB13. have knowledge of best ways of cleaning & waste disposal KB14. understand the importance of standardization in processes KB15. understand the importance of sustainability in 5S KB16. have knowledge of TQM process KB17. have knowledge of various materials and storage norms KB18. understand visual controls, symbols, graphs etc.  |
|--------------------------------|---|
| Element                        | Skills Writing Skills   |
| A. Core Skills/ Generic Skills | The user/ individual on the job needs to know and understand how to:  SA5. write basic level notes and observations  SA6. note down observations (if any) related to the process  SA7. write information documents to internal departments/ internal  |
|                                | teams   |
|                                | Reading Skills  |
|                                | The user/individual on the job needs to know and understand how to:<br>SA8. read 5S instructions put up across the plant premises   |
|                                | Oral Communication (Listening and Speaking skills)  |
|                                | The user/individual on the job needs to know and understand how to: SA9. effectively communicate information to team members inform employees in the plant and concerned functions about 5S SA10. question the process head in order to understand the 5S related issues SA11. attentively listen with full attention and comprehend the information given by the speaker during 5S training programs |
| B. Professional Skills         | Judgmental Thinking   |
|                                | The user/individual on the job needs to know and understand how to:  SB1. use common sense and make judgments during day to day basis SB2. use reasoning skills to identify and resolve basic problems using 5S   |
|                                | Persuasion  |
|                                | The user/ individual on the jobs needs to know and understand how to:  SB3. persuade co team members to follow 5 S  SB4. ensure that the co team members understand the importance of using 5 S tool  |
|                                | Creativity  |









#### Maintain a safe and healthy working environment

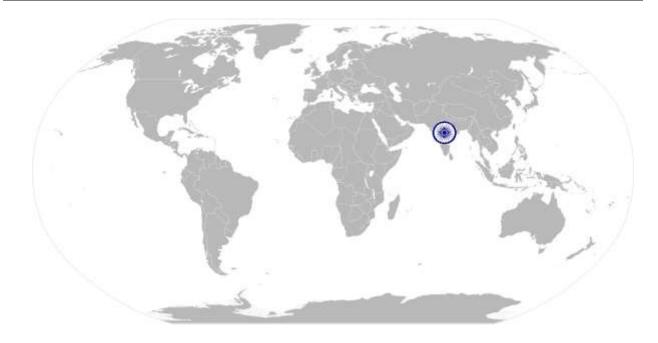
The user/individual on the job needs to know and understand how to:

- SB5. use innovative skills to perform and manage 5 S activities at the work desk and the shop floor
- SB6. exhibit inquisitive behaviour to seek feedback and question on the existing set patterns of work

#### Self -Discipline

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

- SB7. do what is right, not what is a popular practices
- SB8. follow shop floor rules& regulations and avoid deviations; make 5S an integral way of life
- SB9. ensure self-cleanliness on a daily basis
- SB10. demonstrate the will to keep the work area in a clean and orderly manner







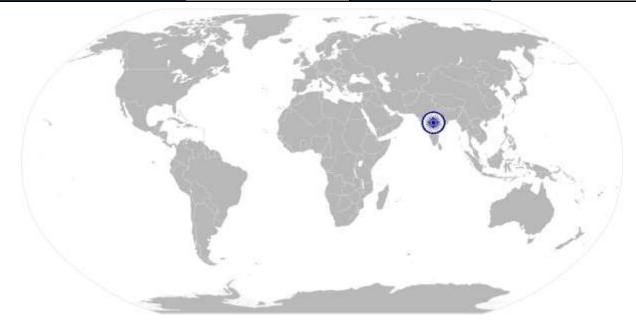




# Maintain a safe and healthy working environment

# **NOS Version Control**

| NOS Code            | ASC/N0006          |                  |   |  |  |
|---------------------|--------------------|------------------|---|--|--|
| Credits(NSQF)       | TBD                | Version number   | 1.0   |  |  |
| Industry            | Automotive         | Drafted on       | 1/03/2014   |  |  |
| Industry Sub-sector | Manufacturing/ R&D | Last reviewed on | 15/03/2014  |  |  |
| Occupation          | Pressing           | Next review date | Under revision expected date of revised version 31-Dec-15 |  |  |











# **Criteria for assessment of Trainees**

| JOB ROLE           | Press shop assistant L2    |
|--------------------|----------------------------|
| Qualification Pack | ASC/Q 3401                 |
| No. Of NOS         | 1 Role specific ,2 generic |

| NOS Title/ NOS<br>Elements | NOS & Performance Criterion Description              |        | Marks allocation |           |
|----------------------------|--|--------|------------------|-----------|
| ASC/N 3401                 | Undertake routine activities during press            | Theory | Viva             | Practical |
|                            | operations   |        |                  |           |
| Removing the scrap         | PC1. Periodically remove scrap generated during      |        |                  |           |
| generated                  | the pressing activities (blanking, piercing,         |        | 5                | 20        |
|                            | etc.)  |        |                  |           |
|                            | PC2. Ensure emptying of the waste bucket             |        |                  |           |
| Support the Operator       | PC3. Clearly understanding the does and don'ts of    |        | 15               | 10        |
|                            | the manufacturing process as defined in              |        |                  |           |
|                            | SOPs/ Work Instructions or defined by                |        |                  |           |
|                            | supervisors  |        |                  |           |
|                            | PC4. Carry out the routine maintenance check as      |        |                  |           |
|                            | per the standard operating procedures (SOP)          |        |                  |           |
|                            | at the start of the shift                            |        | 20               | 50        |
|                            | PC5. Support the master technician for setting the   |        |                  |           |
|                            | process  |        |                  |           |
|                            | PC6. Support the Operator in loading/ feeding the    |        |                  |           |
|                            | blanks as per specifications (in case of             |        |                  |           |
|                            | manual operations)                                   |        |                  |           |
|                            | PC7. Assist the technician in applying die lubricant |        |                  |           |
|                            | , preservative, etc.                                 |        |                  |           |
| Remove the output          | PC8. Move the output products from the press         |        |                  |           |
| products from the          | line in the specified manner                         |        |                  |           |
| press line                 | PC9. Ensure no damage is done to the products        |        |                  |           |
|                            | during offloading/ stacking                          |        | 20               | 40        |
|                            | PC10. Inspect finished goods to detect any           |        |                  |           |
|                            | deviations from the product design as per            |        |                  |           |
|                            | SOP/ control plan                                    |        |                  |           |
|                            | PC11. Request assistance from the operator when      |        |                  |           |
|                            | required   |        |                  |           |
|                            | Subtotal   |        | 60               | 120       |









| PC1. Identify activities which can cause potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals Joud noise   | ASC/N 0006                           | Maintain a safe and healthy working  | Theory | Viva | Practical |
|---|--------------------------------------|--|--------|------|-----------|
| risks identified  potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals ,loud noise  PC2. Inform the concerned authorities about the potential risks identified in the processes, workplace area/ layout, materials used etc.  PC3. Inform the concerned authorities about machine breakdowns, damages which can potentially harm man/ machine during operations  PC4. Create awareness amongst other by sharing information on the identified risks  Create and sustain a Safe, clean and environment friendly work place  PC5. Follow the Safety, Health and Environment related practices developed by the organization  PC7. Operate the machine using the recommended Personal Protective Equipment (PPE)  PC8. Maintain a clean and safe working environment near the work place and ensure there is no spillage of chemicals, production waste, oil, solvents etc.  PC9. Maintain high standards of personal hygiene at the work place  PC10. Ensure that the waste disposal is done in the designated area and manner as per organization SOP.  PC11. Inform appropriately the medical officer/ HR in case of self or an employee's illness of contagious nature so that preventive actions can be planned for others |                                      | environment  |        |      |           |
| Create and sustain a Safe, clean and environment friendly work place  PC5. Follow the instructions given on the equipment manual describing the operating process of the equipment  PC6. Follow the Safety, Health and Environment related practices developed by the organization  PC7. Operate the machine using the recommended Personal Protective Equipment (PPE)  PC8. Maintain a clean and safe working environment near the work place and ensure there is no spillage of chemicals, production waste, oil, solvents etc.  PC9. Maintain high standards of personal hygiene at the work place  PC10. Ensure that the waste disposal is done in the designated area and manner as per organization SOP.  PC11. Inform appropriately the medical officer/ HR in case of self or an employee's illness of contagious nature so that preventive actions can be planned for others   |                                      | PC1. Identify activities which can cause potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals ,loud noise PC2. Inform the concerned authorities about the potential risks identified in the processes, workplace area/ layout, materials used etc. PC3. Inform the concerned authorities about machine breakdowns, damages which can potentially harm man/ machine during operations PC4. Create awareness amongst other by sharing information on the identified   |        | 20   | 40        |
|   | Safe, clean and environment friendly | PC5. Follow the instructions given on the equipment manual describing the operating process of the equipment  PC6. Follow the Safety, Health and Environment related practices developed by the organization  PC7. Operate the machine using the recommended Personal Protective Equipment (PPE)  PC8. Maintain a clean and safe working environment near the work place and ensure there is no spillage of chemicals, production waste, oil, solvents etc.  PC9. Maintain high standards of personal hygiene at the work place  PC10. Ensure that the waste disposal is done in the designated area and manner as per organization SOP.  PC11. Inform appropriately the medical officer/ HR in case of self or an employee's illness of contagious nature so that preventive actions can be planned |        | 50   | 40        |
| 20010131   10   20  |                                      | subtotal   |        | 70   | 80        |









| ASC/N 0021   | Maintain 5S at the work premises  | Theory | Viva | Practical |
|--|---|--------|------|-----------|
| ,  |   | ,,,    | 1110 |           |
| Ensure sorting   | PC1. Follow the sorting process and check that the tools, fixtures & jigs that are lying on workstations are the ones in use and unnecessary items are not cluttering the workbenches or work surfaces. |        |      |           |
|  | PC2. Ensure segregation of waste in hazardous/ non Hazardous waste as per the sorting work instructions   |        | 10   | 20        |
|  | PC3. Follow the technique of waste disposal and waste storage in the proper bins as per SOP   |        |      |           |
|  | PC4. Segregate the items which are labeled as red tag items for the process area and keep them in the correct places  |        |      |           |
|  | PC5. Sort the tools/ equipment/ fasteners/ spare parts as per specifications/ utility into proper trays, cabinets, lockers as mentioned in the 5S guidelines/ work instructions                         |        | 10   | 20        |
|  | PC6. Ensure that areas of material storage areas are not overflowing  |        |      |           |
|  | PC7. Properly stack the various types of boxes and containers as per the size/ utility to avoid any fall of items/ breakage and also enable easy sorting when required                                  |        |      |           |
|  | PC8. Return the extra material and tools to the designated sections and make sure that no additional material/ tool is lying near the work area   |        |      |           |
|  | PC9. Follow the floor markings/ area markings used for demarcating the various sections in the plant as per the prescribed instructions and standards   |        |      |           |
| Ensure proper documentation and storage ( organizing , | PC10. Follow the proper labeling mechanism of instruments/ boxes/ containers and maintaining reference files/ documents   |        |      |           |
| streamlining)  | with the codes and the lists PC11. Check that the items in the respective areas have been identified as broken or damaged   |        | 10   | 20        |
|  | PC12. Follow the given instructions and check for labelling of fluids, oils. lubricants, solvents, chemicals etc. and proper storage of the same to avoid spillage,                                     |        |      |           |









|                   | Total  | 100 | 170 | 280 |
|-------------------|--|-----|-----|-----|
|                   | Sub total  |     | 40  | 80  |
|                   | 5S check lists/ work instructions  |     | 40  |     |
|                   | sustainability in 5S as mentioned in the   |     |     |     |
|                   | and What not to do to build  |     |     |     |
|                   | PC18. Follow the guidelines for What to do   |     |     |     |
|                   | members for active participation   |     |     |     |
|                   | groups on 5S and encourage team  |     |     |     |
|                   | PC16. Support the team during the audit of 5 S PC17. Participate actively in employee work |     |     |     |
|                   | employees on 5 S   |     |     |     |
|                   | PC15. Attend all training programs for   |     |     |     |
|                   | environment  |     | 10  | 20  |
| Ensure sustenance | schedules to create a clean working  |     |     |     |
|                   | PC14. Follow the daily cleaning standards and  |     |     |     |
|                   | manner indicated in the 5S instructions  |     |     |     |
|                   | stored in the designated places and in the   |     |     |     |
|                   | leakage, fire etc. PC13. Make sure that all material and tools are                         |     |     |     |