



National Vocational Certificate level 2-4, in (Food Processing)

Pine nut/Chillgoza Processor



National Vocational and Technical Training Commission (NAVTTC) Government of Pakistan

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TITLE OF QUALIFICATION

- National Vocational Certificate level 2, in (Food Processing) "Pine nut / Chillgoza Processor"
- National Vocational Certificate level 3, in (Food Processing) "Pine nut / Chillgoza Processor"
- National Vocational Certificate level 4, in (Food Processing) "Pine nut / Chillgoza Processor"

INTRODUCTION

Pakistan's exports of pine nuts / chillgoza are experiencing an increasing trend and Pakistan is ranked as the second biggest producer of pine nuts just after China. Chillgoza / pine nut is jewel of nuts species. It is found in western Himalayan forests of Pakistan and Afghanistan. Chillgoza pines have similar appearance as stone pines; featuring long slender, pointed kernels. These are famous around the globe for variety, quality taste and colour. Major importers of Pakistani pine nuts were China, US, UK, Scandinavian countries, Middle East and Europe.

The pine nuts are called piñones in Spanish and pinoli or pignoli in Italian. However, the seeds of the pinyon pines (Pinus edulis and Pinus monophylla), which produce in the south-western US and in northern Mexico, are known as pinon nuts. Moreover, several countries of the Far East, Central Asia and Russian Federation also import pine nuts in bulk quantity from Pakistan despite serious challenges of lingual and taxation barriers.

Pine trees grow in the wild cold and taiga forest regions of the northern hemisphere. Interestingly, they are huge, straight erect trees with large stem and may reach up to 75 feet in height with pyramidal or umbrella like dense foliage cover. Even then Pakistani pine nuts remain successful in attracting very good response from the local buyers than pine nuts of other countries on the basis of a peculiar taste and fragrance. Pine nut kernels are, indeed, very good source of plant derived nutrients, essential minerals, vitamins and heart friendly mono-unsaturated fatty acids that help benefit in reducing cholesterol levels in the blood.

Pine nut is an important nut in Pakistani markets as well, and generally it sells around Rs. 2500 to Rs. 3000 per kg. Since Pine nuts grows under special weather conditions and in specific region therefore regards as rear and precious commodity. One of the important reasons of loses among Pine nuts is not availability of any skill training for its harvesting/cutting, roasting and processing. The process of value addition in the same region will also boost its value and provide more benefits to the growers and processors. The locals of Waziristan Agency try to sow its seed but only

3-5 % seeds are successful during cultivation. Moreover, growers do not use appropriate techniques to cut the cones from trees and as a result a lot of damage can be done to the cones of next generation. Similarly wrong methods of extracting pine nuts from cone and while grading and packing of its nuts make it more vulnerable. Lahore is the largest Pine nuts market of Pakistan where as Bannu is the second largest, followed by Peshawar and Karachi markets. Keeping in mind these harms and damages it is mandatory to introduce comprehensive competency based trainings for Pine nut processing.

Pine nuts are famous across the world as one of the best nuts due to its unique taste and nutrition. The increasing demand have not only created a pressure to the growers but also affected the natural process of its cultivation. Under these circumstances it is mandatory to train youth of local community of FATA in general and Waziristan Agency in particular, where 20% forest comprises on Pine nut trees. FATA-Development Authority (FDA) has trained about 1200 in the Pine nuts processors in the training institute in Bannu without any curriculum. The training imparted comprised of one month duration with the support of Market Development Solutions (MDS).

Based on the above desideratum the competency based national vocational qualifications have been developed by NAVTTC to train the unskilled men and women of North and South Waziristan Agencies and FATA on the technical and entrepreneurial skills to be employed / self-employed and inevitably set sustainable impact on their lives by increase in their livelihood income.

Training in the course is based on defined competency standards, which are industry oriented. The traditional role of a trainer changes and shifts towards the facilitation of training. A trainer encourages and assists trainees to learn for themselves. Trainees are likely to work in groups (pairs) and all doing something different. Some are doing practical tasks in the workshop, some writing, some not even in the classroom or workshop but in another part of the building using specialist equipment, working on computers doing research on the Internet or the library. As trainees learn at different pace they might well be at different stages in their learning, thus learning must be tailored to suit individual needs. The following facilitation methods (teaching strategies) are generally employed:

- **Direct Instruction Method:** This might be effective when introducing a new topic to a larger group of trainees in a relative short amount of time. In most cases this method relies on one-way communication, hence there are limited opportunities to get feedback on the trainee's understanding.
- **Discussion Method:** This allows trainees to actively participate in sharing knowledge and ideas. It will help the trainer to determine whether trainees understand the content of the topic. On the other hand, there is a possibility of straying off topic under discussion and some trainees dominating others on their views.
- **Small Group Method:** Pairing trainees to help and learn from each other often results in faster knowledge/skill transfer than with the whole class. The physical arrangement of the classroom/workshop and individual assessment may be challenging. Analogy method should be in corporate.

- **Problem Solving Method:** This is a very popular teaching strategy for the training. Trainees are challenged and are usually highly motivated when they gain new knowledge and skills by solving problems (Contingency skills). Trainees develop critical thinking skills and the ability to adapt to new learning situations (Transfer skills). It might be time consuming and because trainees sometimes work individually, they may not learn all the things that they are expected to learn.
- **Research Method:** This is used for workshops and laboratory tasks, field experiments, and case studies. It encourages trainees to investigate and find answers for themselves and to critically evaluate information. It however requires a lot of time and careful planning of research projects for the trainee.

The detail of the competency standards included in these qualifications are given below:

National Vocational Certificate level 2, in (Food Processing) "Pine nut / Chillgoza Processor"

- A. Collect Pine nut cones from trees
- B. Extract Pine nuts from cones
- C. Perform handling & storage at source

National Vocational Certificate level 3, in (Food Processing) "Pine nut / Chillgoza Processor"

- A. Collect Pine nut cones from trees
- B. Extract Pine nuts from cones
- C. Perform handling & storage at source Perform roasting of Pine nuts
- D. Perform peeling of Pine nuts Kernel

National Vocational Certificate level 4, in (Food Processing) "Pine nut / Chillgoza Processor"

- A. Collect Pine nut cones from trees
- B. Extract Pine nuts from cones
- C. Perform handling & storage at source Perform roasting of Pine nuts
- D. Perform peeling of Pine nuts Kernel
- E. Perform Pine nuts marketing operations
- F. Develop Professionalism

PURPOSE OF THE QUALIFICATION

The purpose of the training is to provide skilled manpower to improve the existing Pine nut processing industry. This will improve the quality of Pine nuts/Chillgoza in terms of consumer's acceptability and willingness in local and export markets. The availability of such quality of Pine nuts in the local and international markets will ultimately bring economic benefits to the producers and processors.

MAIN OBJECTIVES OF THE QUALIFICATION

The core objective of these qualifications is to set professional standards for Pine Nuts Processors, who will serve as key elements enhancing quality of Pakistan's pine nut market. The specific objectives of developing these qualifications are as under:

- Improve the professional competence of pine nut processing
- Capacitate the local community and trainers in modern CBT trainings, methodologies and processes as envisaged under NVQF
- Provide flexible pathways and progressions in Pine nut processing sector
- Enable the trainees to perform their duties in efficient manner
- Establish a standardized and sustainable system of training Pine nut processors in Pakistan

DATE OF VALIDATION

These national vocational qualifications have been validated by the Qualifications Development Committee (QDC) on 2nd and 3rd of November 2017 and will remain in currency until December 2019

CODES OF QUALIFICATIONS

The International Standard Classification of Education (ISCED) is a framework for assembling, compiling and analyzing cross-nationally comparable statistics on education and training. ISCED codes for these qualifications are assigned as follows:

ISCED Classification (Dry nuts Processors)

Code Description

National Vocational Certificate level 2, in (Food Processing) "Pine nut / Chillgoza Processor"

0721DNP01

National Vocational Certificate level 3, in (Food Processing) "Pine nut / Chillgoza Processor"

0721DNP02

National Vocational Certificate level 4, in (Food Processing) "Pine nut / Chillgoza Processor"

0721DNP03

MEMBERS OF QUALIFICATIONS DEVELOPMENT COMMITTEE

The following members participated in the qualifications development and validation of these qualifications:

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ENTRY REQUIREMENTS

The entry qualifications for Pine nuts processor trades are given below:

Title of Qualification	Entry requirements
National Vocational Certificate level 2, in (Food Processing) "Pine nut / Chillgoza Processor" - 0721DNP01	Entry for assessment / training for this qualification is open. However, entry into formal training institutes, based on this qualification may require skills and knowledge equivalent to primary or literate with some working knowledge of this field.
National Vocational Certificate level 3, in (Food Processing) "Pine nut / Chillgoza Processor" - 0721DNP02	Entry for this qualification is person having National Vocational Certificate level 2, in (Food Processing) "Pine nut / Chillgoza Processor".
National Vocational Certificate level 4, in (Food Processing) "Pine nut / Chillgoza Processor" - 0721DNP03	Entry for this qualification is person having National Vocational Certificate level 3, in (Food Processing) "Pine nut / Chillgoza Processor". In addition to this the person must have matriculation with fundamental knowledge of marketing of Pine nuts (Demand and supply sides). In addition to this he/she must be computer literate and have knowledge of food standards.

REGULATIONS FOR THE QUALIFICATION

- Pine nut's Product foods and hazards
- Product health and analysis
- Aflatoxins and its harms

- Food material good storage practices.
- ISO 9001:2008 Including core standards for health.
- Pakistan Standard and Quality Control Authority (PSQCA) Standards.
- Workplace regulations 1992 Ministry of Labour, Govt of Pakistan
- Deal with hazards in accordance with workplace instructions and legal requirements.
- The Management of Health and Safety at Work Regulations 1992 (dermatitis and asthma).
- Environment Protection Agency.
- Basic food and corporate social responsibility standards i.e.
 - Hazard Analysis and Critical Control Point HACCP
 - $\circ \quad \text{Global GAP}$
 - o **SA-8000**

SUMMARY OF COMPETENCY STANDARDS

Code	Competency Standards	Level	Credits	Category
0721DNP01A	Collect Pine nut cones from trees	2	2	Technical
0721DNP01B	Extract Pine nuts from cones	2	2	Technical
0721DNP02A	Perform handling & storage at source	2	1	Technical
0721DNP02B	Perform roasting of Pine nuts	3	3	Technical
0721DNP02C	Perform peeling of Pine nuts Kernel	3	1	Technical
0721DNP03A	Perform Pine nuts marketing operations	4	6	Functional
0721DNP03B	Develop Professionalism	4	5	Generic
041600453	Occupational health and safety	2	3	Technical
041600455	Communicate in the workplace to support customers and team	3	6	Technical
041600459	Work effectively in a customer service - sales environment	3	7	Technical
041600460	Develop professionalism	3	3	Technical
041600461	Comply with health and safety regulations	3	2	Technical

QUALIFICATION PACKAGESS

These qualifications are assigned and packages as follows:

Code	Description	Competency standards for
		Packages
	National Vocational Certificate	0721DNP01A + 0721DNP01B
0724 DND04	level 2, in (Food Processing)	
0721DNP01	"Pine nut / Chillgoza Processor"	
	National Vocational Certificate	0721DNP01A + 0721DNP01B +
0721DNP02	level 3, in (Food Processing)	0721DNP02A + 0721DNP02B +
UZIDNFUZ	"Pine nut / Chillgoza Processor"	0721DNP02C
	National Vocational Certificate	0721DNP01A + 0721DNP01B +
	level 4, in (Food Processing)	0721DNP02A + 0721DNP02B +
0721DNP03	"Pine nut / Chillgoza Processor"	0721DNP02C + 0721DNP03A +
		0721DNP03B

Competency Standard A: Collect Pine nut cones from trees

Overview

This competency standard covers the skills and knowledge required to cut Pine cones professionally from trees and sorting of Pine nuts cones according to grades (sizes) and remove the defective cones from the lots.

Competency Units	Performance Criteria
A1: Cut Pine nut cones from trees	 Trainee will be able to: P1. Select appropriate cutting tools P2. Wash hands with soap P3. Wear proper Personal Protective Equipment (PPEs) for cutting of Pine nut cones. P4. Cut cones from Pine nut trees without damaging the immature cones (Next year) P5. Place Pine nut cones at appropriate point.
	P6. Wash hands with soap
A2: Sort Pine nut cones according to grades	 Trainee will be able to: P1. Segregate Pine nut cones by sizes correctly P2. Remove defective Pine nut cones P3. Put the cones in bags P4. Place Pine nut cones at dry place in a ventilated room / shelter

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Harvesting season
- K2 Cones maturity and color
- K3 Proper cutting techniques
- K4 Types and uses of cutting tools
- K5 Identification of Male and Female cones
- K6 Pine nut cones storage techniques
- K7 Difference between healthy and infected cones
- K8 Harms of contamination
- K9 Health and safety

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Cut at least three cones as per standard (Colour, size, maturity) and explain reasons and method of cutting
- Used proper PPEs during cutting of Pine nut cones

- By cutting some cones from Pine nut trees one can have exact idea about right harvesting season and time.
- Cut the cones from trees with extreme competency and by using the accurate cutting tools
- Collect and store the cones as per standard defined above.
- Wash hands before and soon after cutting with soap
- Use appropriate gloves and goggles etc. while cutting



Competency Standard B: Extract Pine nuts from cones

Overview

This competency standard covers the skills and knowledge required to prepare surface for placement of pine nut cones after cutting, dry pine nut cones for extraction of Pine nuts, all kinds of Pine nuts extraction techniques and how to reduce excessive moisture and remove foreign material from the extracted Pine nuts by using adequate personal protective equipment.

Competency Units	Performance Criteria
·	Trainee will be able to:
placement of Pine nut cones	P1. Identify the appropriate place for drying
	P2. Smooth the surface with mud plaster (Lippai)
	P3. Dry the surface for placement of cones
B2. Dry Pine nut cones for extraction	Trainee will be able to:
	P1. Select proper heating/Drying method
	P2 . Heat the Pine cones for extraction of Pine nuts as per SOP
B3. Separate Pine nuts from	Trainee will be able to:

B3. Separate Pine nuts from	I rainee will be able to:
cones	
	P1. Extract Pine nuts from opened cones
	P2. Spread semi opened cones at perforated surface
	P3. Beat cones with wooden stick to extract the Pine
	nuts
	P4. Extract rest of the Pine nuts with the help of
	wooden pointer / wooden hammer from semi

			opened cones, one by one correctly
B4.	Reduce	excessive	Trainee will be able to:
	moisture fron	n Pine nuts	
			P1. Spread Pine nuts in open air in thin layers to
			reduce excessive moisture
			P2. Shuffle the Pine nuts on regular intervals for
			uniformity
B5.	Remove	Foreign	Trainee will be able to:
	Material from	Pine nuts	
			P1. Remove foreign material from Pine nuts with fan
			/ blower (air treatment)
			P2. Remove foreign material from Pine nuts with the
			help of sieves
			P3. Manually remove foreign material from Pine nuts
			P4. Grade the Pine nuts according to their size and
			colour
	-	-	Trainee will be able to:
	measures	during	D1 Weeh hands preparly with seen
1	extraction		P1. Wash hands properly with soap
			P2. Wear PPEs as per requirements

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Extraction methods, techniques and related Standard Operating Procedure (SOP)
- K2 Drying techniques of Pine nuts
- K3 Harms of infected pine nuts and their preventive measures during extraction
- K4 Types and uses of Pine nuts extraction tools including mechanical extraction machinery
- K5 Health and safety guidelines for extraction (Gloves, Goggles, Masks, Socks)

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Extracted Pine nuts from cones with all three methods by:
 - o Hands
 - Beating with wooden stick
 - Wooden pointer / hammer
- Graded 2 Kg Pine nuts by removing foreign materials as per:
 - Size (A,B and C categories)
 - Colour (White, Brown and Black)

- Pine nuts cones normally open naturally in 6-8 days under the sun
- Use wooden hammer of small size for extracting some of the semi opened cones
- Extracted Pine nuts must be placed on a clean cloth sheet
- Extracted Pine nuts must be stored in boxes





Competency Standard C: Perform handling & storage at source

Overview

This competency standard covers the skills and knowledge required to sort Pine nuts as per grading requirements (sizes and colours), pack Pine nuts as per instructions and properly transport the packed Pine nuts.

Competency Units	Performance Criteria
C1. Sort Pine nuts as per grading	<i>Trainee will be able to:</i>
	P1. Sort Pine nuts according to size (A,B and C category)
	P2. Sort Pine nuts according to colour (White, Brown and Black)
	P3. Remove infected Pine nuts from the lot
C2. Pack Pine nuts as per	Trainee will be able to:
requirements	P1. Select packing material according to instructions
	P2. Fill the Pine nuts in the packing material
C3. Transport Pine nuts to the desired destination	Trainee will be able to:
	P1. Select suitable transport means
	P2. Load the Pine nuts on selected transport as per instructions
	P3. Despatch Pine nuts to the desired market

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Types of Pine nuts packaging material
- K2 Importance of packaging material for Pine nuts
- K3 Moisture levels in Pine nuts
- K4 Customers' requirements for packing of Pine nuts

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Graded 2 Kg Pine nuts by removing foreign materials as per:
 - Size (A,B and C categories)
 - Colour (White, Brown and Black)
- Packed 2 Kg Pine nuts as per instructions and explain the importance of packing materials and mark for traceability

- Pine nuts are dried in 2-3 days at 24-29 degree centigrade
- Clean the surface soon after grading



Competency Standard D: Perform roasting of Pine nuts

Overview

This competency standard covers the skills and knowledge required to roast Pine nuts as per requirements, remove infected Pine nuts after roasting and pack roasted Pine nuts, as per instructions and properly transport the packed Pine nuts to the desired destination.

Competency Units	Performance Criteria
D1: Roast Pine nuts as per requirements	 Trainee will be able to: P1. Select roasting equipment as per instructions P2. Roast the Pine nuts as per requirement P3. Clean roasting equipment after use P4. Place/Store roasting equipment at designated point
D2: Remove infected Pine nuts	 Trainee will be able to: P1. Remove infected Pine nuts with fan / Air blower as per SOP P2. Remove infected Pine nuts with the help of sieves P3. Manually remove infected Pine nuts
D3: Pack roasted Pine nuts as per requirement	 Trainee will be able to: P1. Select packing material as per requirement P2. Weigh-out the roasted Pine nuts for packing P3. Pack the Pine nuts according to requirements

D4: Transport roasted Pine		ted Pine	Trainee will be able to:		
	nuts to the desired destination	P1. Select suitable transport means			
,	uestii	uestination	8		P2. Load the Pine nuts on selected transport as per instructions
					P3. Despatch Pine nuts to desired market

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Types and uses of Pine nuts roasting equipment
- K2 Pine nuts roasting methods and techniques

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Performed roasting of 2 Kg Pine nuts as per instructions
- Packed 2 Kg roasted Pine nuts according to guideline

- Roast the pine nuts after proper natural drying
- Hard shell pine nuts be roasted for 20-30 minutes at 50 to 75 degree centigrade
- Soft shell pine nuts be roasted for 10-20 minutes at 50 to 60 degree centigrade
- Continuously shake the pine nuts while roasting
- Use proper gloves while roasting and grading
- Place pine nuts at clean and cool place after roasting



Competency Standard E: Perform peeling of Pine nuts for Kernel

Overview

This competency standard covers the skills and knowledge required to select appropriate Pine nuts for Kernels, roast the Pine nuts and after peeling of kernels, soaking and peeling of Pine nuts, drying and removing membrane from kernels and finally perform packing of kernels.

Competency Units	Performance Criteria	
E1: Roast Pine nuts for	Trainee will be able to:	
Kernel	P1. Select Pine nuts for roasting for kernelsP2. Select roasting equipment for Pine nuts	
	P3. Roast the Pine nuts, as per requirement	
	P4. Clean the roasting equipment	
	P5. Store the roasting equipment at designated point	
E2: Perform peeling of	Trainee will be able to:	
Pine nuts for Kernels		
extractions	P1. Soak roasted Pine nuts in warm water as per requirements	
	P2. Remove shells (Peeling) of soaked Pine nuts correctly	
	P3. Spread peeled Kernels on appropriate surface as	
	per requirements to reduce moisture	
E3: Dry Kernels for	Trainee will be able to:	
removing membrane		
	P1. Spread the Kernels for drying to remove Kernel membrane	
	P2. Remove Kernel membrane by rubbing gently with a neat cloth	

	P3. Remove Kernel membrane by the help of blower		
E4: Sort Kernels as per	Trainee will be able to:		
requirements			
	P1. Sort Kernels with the help of sieves for grading		
	P2. Separate the unhealthy Kernels manually		
E5: Perform Packing of	Trainee will be able to:		
E5: Perform Packing of Kernels	Trainee will be able to:		
-	Trainee will be able to:P1. Select the packing material as per requirement		
-			

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Pine nuts roasting techniques for Kernel
- K2 Peeling techniques
- K3 Types and uses of personal protective equipment

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Performed roasting of 1 Kg Pine nuts for Kernels, as per instructions
- Performed peeling of 50 Pine nuts

- Peeling must be performed by hands after properly washing by hands
- For attaining quality put the kernels in boxes for appropriate time
- Clean the surface before and after peeling
- Remove the thin membrane from kernels with clean cloth after soaking
- Use the most suitable fresh and attractive packing material







Competency Standard F: Perform basic Marketing Operations

Overview

This competency standard covers the skills and knowledge required to analyse Pine nut market trends (both demand and supply sides), prepare most feasible and beneficial market plan and execute that plan.

Competency Units	Performance Criteria		
F1: Analyse Pine nuts market trends	 ainee will be able to: Identify market demands for Pine nuts Study Pine nuts supply side of the market Make a contacts list of Traders / Agents / Brokers of the Pine nuts market 		
F2: Prepare Marketing	Trainee will be able to:		
Plan for sale of Pine			
nuts	P1. Plan product supply as per various markets requirements		
	P2. Set price(s) according to various market requirements		
	P3. Select target market(s)		
	P4. Select promotional means, according to target market(s)		
F3: Execute Marketing	Trainee will be able to:		
Plan			
	P1. Pack Pine nuts (grade wise) as per requirement		
	. Finalize the business deal		
	P3. Apply label (mark) on the packed bags		
	P4. Adopt correct means of transportation		
	P5. Despatch finished product to the market		

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Basic concepts of marketing
- K2 Trends of markets (Demand and supply etc.)
- K3 Knowledge of 4Ps
 - Product
 - Price
 - Promotion
 - Placement
- K1 Pine nut's Product knowledge
- K2 Product health and analysis
- K3 Basic Food standards i.e. HACCP, Global GAP, SA-8000 etc.

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

• Performed role playing properly as Buyer and Seller and they will negotiate to finalize a realistic business deal

- Packed material must be kept on wooden racks 6-9 inches higher then ground surface
- Use proper amount of Aluminium Phosphate to protect food from insects
- Collective marketing strategy should be adopted in collaboration with Pine nuts marketing association
- There must be proper negotiation among buyers and sellers
- If the cost will be reduced the profit will be higher
- If we grade all production simultaneously it will reduce the cost tremendously
- Products from the same region must be reached collectively to the processors dealers and whole sellers
- The right combination of all 4Ps of the market must be used



Competency Standard G: Develop Professionalism

Overview

This competency standard covers the skills and knowledge required to develop professional attitude and follow environmental health and safety rules strictly.

Competency Units	Performance Criteria
G1. Develop professional	Trainee will be able to:
attitude.	
	P1. Analyse upcoming market trends.
	P2. Develop Professional network.
	P3. Demonstrate behavioural skills.
	P4. Develop sound interpersonal skills
	P5. Develop communication skills.
G2. Follow Environmental,	Trainee will be able to:
Health and Safety Rules.	
	P1.Follow Health and Safety Rules
	P2.Ensure Personal Safety
	P3.Ensure Machine Safety
	P4.Ensure Work Place Safety
	P5.Ensure safety while operating irons.
	P6.Store all flammables in a safe area.

Knowledge & Understanding

The candidate must be able to demonstrate underpinning knowledge and understanding required to carry out the tasks covered in this competency standard. This includes the knowledge of:

- K1 Professionalism (meaning, attitude, output, timely delivery, networking)
- K2 Behavioral skills.
- K3 Importance of trends and market research.

- K4 Interpersonal skills
- K5 Communication skills
- K6 Market norms
- K7 Significance of personal hygiene
- K8 Types of Hazards in the Workplace
- K9 Various Parts of Machine while troubleshooting.
- K10 Handling of Sewing Machines.
- K11 Significance of workplace cleanliness.
- K12 Handling of Electric Supply and Appliances
- K13 Organizational Health and Safety Rules
- K14 Process to handle emergency situations.
- K15 Types of materials which can catch fire.

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Make a list of material which can catch fire
- Explain the importance of health and safety
- Brief about types of hazards at workplace

- Must be conscious about health and safety measures at work place
- Can communicate professionally with outsiders and within organisation



Occupational health and safety

Purpose

It is for the safety of persons working in that environment.

Classification ISCED

0416 Wholesale and retail sales

Available grade

Competent / Not yet competent

Modification history

N/A

Unit of Competency	Performance Criteria	Knowledge
I1. Identify and implement safe working practices	You must be able to: P1. Study of facility layout design and operations P2. Implement the health and safety measures	You must know and understand: K1. Knowledge of health and safety precautions

Communicate in the workplace to support customers and team

Purpose

This Competency standard identifies the competencies required to communicate in the workplace to support customers and team as per organization's approved guidelines and procedures. You will be expected to communicate face-to-face with customers, use technology to communicate with customers, communicate with customers and colleagues from diverse backgrounds, work in a team, ask appropriate probing / questioning from customers and provide continuous feedback to customers / colleagues. Your underpinning knowledge about basic communication tools and correspondence tactics will be sufficient for you to provide the basics of the work.

Classification ISCED

Available grade

Competent / Not yet competent

Modification history

N/A

Unit of Competency	Performance Criteria	Knowledge	
B1.	You must be able to:	You must be able to:	
Communicate	P1. Maintain welcoming customer	K1. Explain different techniques	
face-to-face	environment that reflects	that can be applied when	
with customers.	company branding and market	communicate with customer	
	position and is in line with the	face to face	
	company policy and	K2. Describe types of customer	
	procedures.	behavior and dealings	
	P2. Greet customer warmly	K3. Explain different	
	according to company policy	communication skills and	
	and procedures.	techniques	
	P3. Create effective service	K4. Explain the basic key	
	environment through verbal	elements of the	

	 and non-verbal interaction according to company policy and procedures. P4. Use questioning and active listening to determine customer needs. P5. Use positive and inclusive language. P6. Recognize personal factors impact on customer service delivery 	 communication process. K5. Describe a range of communication methods that can be used to effectively communicate with customers and identify the most appropriate to use in different situations. K6. Explain how 'body language' impacts on the communication process.
B2. Use	You must be able to:	You must be able to:
technology to communicate with customers.	P1. Answer telephone according to the company procedures.	K1. Identify the recognized principles of communicating
	P2. Questioning and active	electronically, by telephone
	listening to identify caller and establish and confirm requirements.	and in writing. K2. Describe the different methods of collecting
	P3. Use telephone system	customer feedback on
	functions according to instructions.	telephone. K3. Explain the importance of
	P4. Use email, social networking sites and other technologies to	collecting customer feedback and how this can be used to
	receive and process information and customer requests in line with company policy and procedures.	improve customer service. K4. Describe how technology can affect and enhance the service delivery process.
	P5. Record and promptly pass on	
	messages or information. P6. Inform customer of any problems and relevant action being taken.	
	P7. Perform follow-up action as	
B3.	necessary. You must be able to:	You must be able to:
Communicate		
with customers and colleagues from diverse backgrounds.	P1. Treat customers and colleagues from diverse backgrounds with respect and sensitivity.	K1. Identify the barriers to effective communication that can arise and how best to deal with these.
	P2. Consider cultural differences in verbal and non-verbal communication.	K2. Identify and explain when it is necessary to seek advice or assistance from colleagues
	P3. Use gestures or simple words to communicate where	and when to take own initiative.

	 language barriers exist. P4. Obtain assistance from colleagues or supervisors when required to facilitate communications. 	K3. Describe different types of dealings techniques with different types of behaviors
B4. Work in a	You must be able to:	You must be able to:
team.	 P1. Display a courteous and helpful manner at all times. P2. Complete allocated tasks willingly, according to set timeframes. P3. Actively seek or provide assistance by approaching other team members when difficulties arise. P4. Identify and use lines of communication with supervisors and peers according to company policy. P5. Encourage, acknowledge and act upon constructive feedback provided by other team members. P6. Use questioning to minimise misunderstandings. P7. Identify signs of potential workplace conflict wherever possible and take action to resolve the situation using open and respectful communication. P8. Participate in team problem solving. P9. Interpret organization's goals and objectives and translate them into individual targets P10. Prepare plan of action to achieve individual as well as 	 K1. Define team work. K2. Explain the importance of team work. K3. Define company goals and objectives as well as SOPs of the company K4. Explain different concepts and techniques of problem solving K5. Describe systematic decision making process K6. Describe characteristics of a successful teamwork experience.
B5. Ask	team goals You must be able to:	You must be able to:
appropriate probing / questioning from customers	 P1. Use different types of questions when appropriate. P2. Allow the other person to answer freely. P3. Collect facts, information and data about the other person's 	 K1. Explain: Open-ended questions Close-ended questions High gain questions Mirror questions Probing questions

	situation. P4. Focus on the necessary information (information that links directly to product or service)	 Situation questions
B6. Provide continuous	You must be able to:	You must be able to:
feed-back	P1. Give and receive feed-back with customers.	K1. Explain how to use customer feed-back to improve your
	P2. Apply appropriate body language and read customers body language.	business K2. Define importance of body language.
	P3. Give and receive feed-back with internal departments.	K3. Explain communication ethics.K4. Define organizational Jargon.
	P4. Design a communication system / process and share information.	
	P5. Gain commitment from others to work together in the interest of the customers.	
	P6. Conduct meetings.	
	P7. Utilize the feed-back to identify opportunities for product / service improvement.	

Work effectively in a customer service/ sales environment

Purpose

This Competency standard identifies the competencies required Work Effectively in a Customer Service/Sales Environment as per Organization's approved guidelines and procedures. You will be expected to work within organizational requirements, support the work team, maintain personal presentation, develop effective work habits, portray ethical behaviour and acquire up to date product / service knowledge. Your underpinning knowledge about Work Effectively in a Customer Service/Sales Environment will be sufficient for you to provide the basics of the work.

Classification ISCED

0416 Wholesale and retail sales

Available grade

Competent / Not yet competent

Modification history

N/A

Unit of Competency	Performance Criteria	Knowledge
F1. Work within organizational requirements.	 You must be able to: P1. Identify and read organisation's requirements and responsibilities and seek advice from appropriate people where necessary. P2. Interpret staff rosters and provide sufficient notice of unavailability 	 You must be able to: K1. Define industry awards and agreements that relate to personal job role and terms and conditions of employment. K2. Differentiate between employer and employee responsibilities. K3. Explain different relevant legislation and statutory requirements.

	 for rostered hours according to workplace policy and procedures. P3. Develop and use a current working knowledge and understanding of employee and employer rights and responsibilities. P4. Comply with relevant duty of care and legal responsibilities, and support organisational culture. P5. Identify roles and responsibilities of colleagues and immediate supervisors. P6. Identify standards and 	
	 detrimental to the organisation and communicate this through appropriate channels. P7. Identify, recognise and follow behaviour that contributes to a safe and sustainable work environment. 	
F2.Support the work	You must be able to:	You must be able to:
team.	 P1. Display courteous and helpful behaviour at all times. P2. Take opportunities to enhance the level of assistance offered to colleagues and meet all reasonable requests for assistance within acceptable workplace timeframes. P3. Complete allocated tasks as required. P4. Seek assistance when 	 K1. Explain the importance of team work K2. Define workplace relations K3. Explain workplace policies, plans and procedures, including: Dealing with grievances Discriminatory behavior Equal opportunity issues. Staff rosters and notification of shift Availability or non-attendance

	difficulties arise. P5. Use questioning techniques to clarify instructions or responsibilities. P6. Identify and display a non-discriminatory attitude in all contacts with customers and other staff members.	• Providing customer service to colleagues and customers.
F3. Maintain personal presentation.	You must be able to:	You must be able to:
presentation.	 P1. Observe appropriate dress code and presentation as required by the workplace, job role and level of customer contact. P2. Follow personal hygiene procedures according to organisational policy and relevant legislation. 	K1. Explain hygiene and personal presentationK2. Explain the importance of workplace ethics
F4. Develop effective	You must be able to:	You must be able to:
work habits.	 P1. Interpret, confirm and act on workplace information, instructions and procedures relevant to the particular task. P2. Ask questions to seek and clarify workplace information. P3. Plan and organise daily work routine within the scope of the job role. P4. Prioritise and complete tasks accordin g to required timeframes. P5. Identify work and personal priorities and achieve a balance between competing priorities 	 K1. Explain staff counseling and disciplinary procedures K2. Describe workplace organizational structure.

F5. Portray ethical behavior	You must be able to:	You must be able to:
benavior	 P1. Follow ethical code of conduct. P2. Understand your costumer's code of ethics. P3. Declare conflict of interest. P4. Maintain confidentiality. P5. Honour your commitments (timeframe, deliverables etc.) P6. Use internet for business only on company time. 	 K1. Explain the importance of ethical behavior. K2. Explain the importance of commitment in sales and customer services.
F6. Acquire up to date product / service knowledge	 You must be able to: P1. Gather information about your product / services. P2. Identify the components of your product and services. P3. Recognize the essential selling features of your products and services. P4. Translate all essential features of your product and services. P5. Analyze product success. P6. Identify your market position. P7. Familiar with all product literature. P8. Keep information of latest technology advances and seek ways to use these technologies in your 	 You must be able to: K1. Explain: Price per product. Profit per product / service. Price flection Product strengths Product weaknesses. Warranty / guarantee policies. Packaging facilities and potential. K2. Explain how your product/service fits into your customers overall operations, business plan, sales success, operation cost etc.

Develop professionalism

Purpose

This Competency standard identifies the competencies required to Develop Professionalism as per Organization's approved guidelines and procedures. You will be expected to create a personal vision / mission, manage your attitude, practice self-discipline, manage time, manage your professional development, and participate in trainings and performance review. Your underpinning knowledge about Develop Professionalism will be sufficient for you to provide the basics of the work.

Classification ISCED

0416 Wholesale and retail sales

Available grade

Competent / Not yet competent

Modification history

N/A

Unit of Competency	Performance Criteria	Knowledge
G1. Create a personal vision / mission	 You must be able to: P1. Clarify / prioritize self-values and consider the value of others. P2. Clarify expectations of yourself and expectations others have of you. P3. Identify what you need to do to be successful (personal standards, targets, goals, principals) P4. Set specific short and long term goals. P5. Translate the vision into 	 You must be able to: K1. Explain long and short term goals. K2. Explain why personal vision and mission is important for success. K3. Describe the advantages of personal vision and mission.

G2 Manage your	 actionable steps. P6. Integrate the vision into daily practice. P7. Recount frequently with your vision and change accordingly. You must be able to: 	You must be able to:
G2. Manage your attitude.	 P1. Challenge yourself, break old habits, and move out of your comfort zone. P2. Practice innovative techniques for out of the box creative thinking. P3. Seek out support and feedback from others on the team, in the organization / community etc. P4. Identify daily, weekly accomplishments. P5. Read inspirational material, audiotapes etc. 	 K1. Explain the importance of personal and professional motivation K2. Identify your positive attitude. K3. Explain the advantages of innovative ideas and techniques during job.
G3. Practice self- discipline	 You must be able to: P1. Accountable for your performance. P2. Identify what you need to do to be successful. P3. Communicate your priorities to others. P4. Make and honour appointments with yourself and others. P5. Practice relaxation and energizing techniques. 	You must be able to:K1. Explain the importance of communication.K2. Explain the advantages of self-discipline.
G4. Manage time	 You must be able to: P1. Isolate key success activities and prioritize them. P2. Breakdown large tasks down into manageable action steps (set time frame). 	You must be able to: K1. Explain the importance of time management to achieve different tasks.
	 P3. Create or adopt action plans and follow it. P4. Set aside appropriate blocks of time for goal-related activities. 	

	P5. Make the best possible use of support people / recourses to accomplish tasks.	
G5.Manage your professional development	 You must be able to: P1. Take inventory of your personal interests, abilities, skills, knowledge etc. P2. Identify and prioritize the strengths and gaps. P3. Use available assessment tools. P4. Create a personal growth strategy / career path. P5. Set personal goals and timeframe for achieving them. P6. Learn from your mistakes. 	You must be able to: K1. Explain the importance and need of professional development.
G6.Participate in trainings and	You must be able to:	You must be able to:
performance review	 P1. Analyse, evaluate and improve performance, and report significant issues/problems to senior management P2. Demonstrate to-do attitude in profession P3. Demonstrate understanding of skills requirements P4. Use the competences acquired in trainings 	 K1. Define concept about performance standards. K2. Explain policies, procedures and regulations regarding human resources of the organization. K3. Explain self-planning and management techniques K4. Define goals and strategies of self- development. K5. Explain relevant knowledge about training / job requirements

Comply with health and safety regulations

Purpose

This Competency standard identifies the competencies required to comply with health and Safety Regulations as per Organization's approved guidelines and procedures. You will be expected to interpret health and safety regulations, apply basic safety procedures and apply basic emergency procedures. Your underpinning knowledge about comply with health and safety regulations will be sufficient for you to provide the basics of the work.

Classification ISCED

0416 Wholesale and retail sales

Available grade

Competent / Not yet competent

Modification history

N/A

Unit of Competency	Performance Criteria	Knowledge
H1.Interpret health and safety	You must be able to:	You must be able to:
regulations, standards and guidelines of an organization.	 P1. Identify, understand and apply health and safety regulations at workplace P2. Assess risk of injury and equipment damages in common work situations and report to department concerned for timely response P3. Participate in quality enhancement of products or services of the 	 K1. Explain concepts and principles of health, safety, quality and environment regulations. K2. Define types of risk of injuring and equipment damages. K3. Describe types of risk and injury at workplace. K4. Explain the procedure of dealing with risk and injury situation.

	 organization P4. Comply with quality safety standards effectively P5. Handle toxic and hazardous materia product with cautio P6. Assess risk of injur and accidents and it to senior manage for avoiding serious injuries 	the organization. K6. define characteristics and types of toxic and hazardous material or n products offered by company and their impact on environment.
H2. Apply basic safety procedures.	 You must be able to: P1. Follow safety procedures to achi safe work environn according to all relevant WHS legislation, including codes of practice relating to particular hazards industry or workpla P2. Identify and report work practices, incompany policy procedures P3. Manage dangerous goods and substar according to company policy and relevant legislation. P4. Identify potential m handling risks and manage manual has tasks according to company policy. P5. Report work-related incidents and accid to designated pers P6. Participate in consu- procedures for WH 	hent, personal protective clothing. Explain the procedure to eliminating hazards. K3. Explain first aid procedures. K3. Explain first aid procedures. K3. Explain first aid procedures.

H3. Apply basic emergency	You must be able to:	You must be able to:	
procedures.	 P1. Follow fire and emergency procedures, including evacuation, according to company policy and legislation. P2. Identify designated personnel responsible for first aid and evacuation procedures. P3. Accurately identifies safety alarms. 	 K1. Define fire, chemical and electrical hazards K2. Explain slip, trips and falls K3. Explain the procedure of storage of dangerous goods and hazardous substances and waste. K4. Define communication and consultation processes. K5. Explain manual handling procedures. 	

COMPLETE LIST OF TOOLS AND EQUIPMENT

Sr. #	Description	Quantity
1.	Pine nuts cone cutters with baskets	5
2.	Gloves	25 pairs
3.	Wooden hammer for extraction	5
4.	Wooden Pointer for extraction	5
5.	Heating Pit	2
6.	Air blower	2
7.	Generator	1
8.	Pallets	3
9.	Jute / Cotton bags (Air ventilation)	5
10.	White Board	1
11.	Multimedia	1
12.	Dry roaster (Proto type)	1
13.	Moisture meter	5
14.	Stitching bag machine	2
15.	Pedal sealers	1

16.	Sieves (3 different sizes)	5 each
17.	Computer	1
18.	Printer	1
19.	Goggles	25
20.	Ladder	5
21.	Safety harness for tree climbing	5
22.	First Aid Box	1
23.	Aprons	25
24.	Weighing scale (up-to 5 kg)	1
25.	Weighing scale (up-to 100 kg)	1