Federal Democratic Republic of Ethiopia OCCUPATIONAL STANDARD



BAMBOO PROCESSING AND MARKETING MANAGEMENT



NTQF Level V



Ministry of Education April 2011

Introduction

Ethiopia has embarked on a process of reforming its TVET-System. Within the policies and strategies of the Ethiopian Government, technology transformation – by using international standards and international best practices as the basis, and, adopting, adapting and verifying them in the Ethiopian context – is a pivotal element. TVET is given an important role with regard to technology transfer. The new paradigm in the outcome-based TVET system is the orientation at the current and anticipated future demand of the economy and the labor market.

The Ethiopia Occupational Standards (EOS) is the core element of the Ethiopian National TVET-Strategy and an important factor within the context of the National TVET-Qualification Framework (NTQF). They are national Ethiopian standards, which define the occupational requirements and expected outcome related to a specific occupation without taking TVET delivery into account.

This document details the mandatory format, sequencing, wording and layout for the Ethiopia Occupational Standard which comprised of Units of Competence.

A Unit of Competence describes a distinct work activity. It is documented in a standard format that comprises:

- Occupational title, NTQF level
- Unit code
- Unit title
- Unit descriptor
- Elements and Performance criteria
- Variables and Range statement
- Evidence guide

Together all the parts of a Unit of Competence guide the assessor in determining whether the candidate is competent.

The ensuing sections of this OS document comprise a description of the respective occupation with all the key components of a Unit of Competence:

- chart with an overview of all Units of Competence for the respective level including the Unit Codes and the Unit Titles
- contents of each Unit of Competence (competence standard)
- occupational map providing the technical and vocational education and training (TVET) providers with information and important requirements to consider when designing training programs for this standards and for the individual, a career path

Page 1 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
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UNIT OF COMPETENCE CHART

Occupational Standard: Bamboo Processing and Marketing Management

Occupational Code: IND BPM

NTQF Level V

IND BPM5 01 0411

Manage Processing **Operations**

IND BPM5 02 0411

Develop Bamboo Harvesting Plan

IND BPM5 03 0411

Manage Trial and/or Research Material

IND BPM5 04 0411

Develop Marketing Plan

IND BPM5 05 0411

Market Products

IND BPM5 06 0411

Evaluate International Marketing Opportunities

IND BPM5 07 0411

Manage Value Chain

IND BPM5 08 0411

Manage Quality Assurance System IND BPM5 09 0411

Establish and Maintain Enterprise OHS **Programs**

IND BPM5 10 0411

Facilitate and Capitalize on Change and Innovation

IND BPM5 11 0411

Establish and Conduct **Business Relationship**

IND BPM5 12 0411

Practice Career Professionalism

IND BPM5 13 1012 Develop and Refine Systems for Continuous Improvement in **Operations**

Occupational Star	ndard: Bamboo Processing and Marketing Management Level V
Unit Title	Manage Processing Operations
Unit Code	IND BPM5 01 0411
Unit Descriptor	This unit is concerned with the operation of the business and with implementing the business plan. The strategies involve monitoring, managing and reviewing operational procedures.

Elements	Performance Criteria
Develop operational strategies	1.1 Action plan is developed to provide a clear and coherent direction in accordance with the <i>business goals and objectives</i>
	1.2 Occupational health and safety and environmental issues are identified and strategies implemented to minimize risk factors
	Strategies for using existing, new or emerging technologies are developed and implemented where practicable to optimize business performance
	1.4 Performance measures, operational targets and quality assurance issues are developed to conform with the business plan
	Structured approach to innovation, including the utilization of existing, new or emerging technologies, is developed to respond to changing customer requirements
Implement operational strategies	2.1 Systems and key performance indicators/targets are implemented to monitor business performance and customer satisfaction
	2.2 Systems to control stock, expenditure/cost, wastage/shrinkage and risks to health and safety are implemented in accordance with the business plan
	2.3 Staffing requirements, where applicable, are maintained within budget to maximize productivity
	2.4 Provision of goods/services is carried out in accordance with established <i>technical</i> , legal and ethical <i>standards</i>
	2.5 Provision of goods/services meets time, cost and quality specifications in accordance with customer requirements
	2.6 Quality procedures are applied to address product/service and customer requirements
3. Monitor business performance	3.1 The achievement of operational targets is regularly monitored/reviewed to ensure optimum business performance in accordance with the goals and objectives

Page 3 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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			of the business plan
		3.2	Systems and structures are reviewed, with a view to more effectively supporting business performance
		3.3	Operating problems are investigated and analyzed to establish causes, and changes implemented as required
		3.4	Operational policies and procedures are changed to incorporate corrective action taken
	laintain etworks	4.1	Relevant personal and professional <i>networks</i> identified and maintained to support business operation
		4.2	Strategies developed for use of networks to assist in promoting the business and for monitoring changing business requirements
bı	Review usiness perations	5.1	Business plan is reviewed and adjusted as required to maintain business viability in accordance with business goals and objectives
		5.2	Proposed changes are clearly recorded to aid future planning and evaluation
		5.3	Ongoing research into new business opportunities is undertaken and business goals and objectives adjusted as new business opportunities arise

Variables	Range
Business goals and objectives may include:	 goals, objectives, plans, systems and processes short, medium or long term goals financial projections customer needs/marketing projections proposed size and scale of the business, market focus of the business lifestyle issues
Occupational Health and Safety and environmental issues must include:	 establishment and maintenance of procedures for identifying risks to health and safety establishment and maintenance of procedures for assessing and controlling risks controls may include instructions to workplace personnel concerning: site hazards and controls, material safety data sheets, use of personal protective equipment, vehicle access, signs and barricades, traffic control, outside contractors waste and by-products
Operational strategies/ procedures may be	 business premises (e.g. size, location, layout) purchase (sole or shared ownership) or leasing premises, plant and equipment may be new or previously owned

Page 4 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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alatamasia a al lacco	The state of the s
determined by:	 requirements may be one-off requirements or recurrent requirements (such as equipment maintenance) specific to the nature of the business use of existing, new and emerging technologies including ecommerce plant and equipment, including OHS requirements physical and natural resources methods/techniques/technology management and administrative systems and procedures technology raw materials
Operational	
Operational targets may include:	 internal targets which may relate to size, quality, quantity and diversity, wages to sales, sales to area/stock levels/stock turnover/average debtor payment periods and levels
	 external targets which may relate to market share and positioning and may involve exploring new markets, building national or international trade links targets which may be short, medium or long term
	staffing level and skills mix
Technical standards may include:	 any current and generally agreed descriptions of what the product/service is, how it should be produced/delivered and the quality, safety, efficiency or other measures to determine the activity is done effectively
Networks may include:	 personal contacts professional associations business/ industry association contacts formal/ informal/ individual/ group/ organizational contacts
And may assist in the provisions of information on:	 business trends changes in business environment client requirements technical support financial advice

Evidence G	uide		
Critical Aspe Competence	opera	to develop strategies to successfully manage tion of the business by interpreting information g appropriate adjustments to the business ope juired	
Underpinning Knowledge a Attitudes	affect Occup EEO OHS	nal and Local Government legislative requirement ng business operation, especially in regard to pational Health and Safety and environmental is and industrial relations responsibilities and procedures for managing had or specialist skills relevant to the business tion	ssues,
Page 5 of 51	Ministry of Education Copyright		Version 1 April 2011

	 relevant industry codes of practice identification of relevant performance measures quality assurance principles and methods role of innovation principles of risk management relevant to the business, including risk assessment relevant marketing, sales and financial concepts methods for implementing operation and revenue control systems systems to manage staff, control stock, expenditure, services and customer service methods for monitoring performance and implementing improvements methods for developing and maintaining networks
	At this level the individual must demonstrate understanding of a broad knowledge base incorporating theoretical concepts, with substantial depth in some areas.
Underpinning Skills	 literacy skills to interpret legal requirements, company policies and procedures communication skills including questioning, clarifying, reporting numeracy skills for performance information and financial control technical skills as relevant to the business ability to relate to people from a range of social, cultural and ethnic backgrounds and physical and mental abilities
Resources Implication	The following resources must be provided: Workplace or fully equipped assessment location with necessary documentation and resources normally used in the workplace
Methods of Assessment	Competence may be assessed through: Interview / Written test Observation/Demonstration
Context of Assessment	Competence may be assessed in the work place or in a simulated work place setting

Occupational St	andard: Bamboo Processing and Marketing Management Level V
Unit Title	Develop Bamboo Harvesting Plan
Unit Code	IND BPM5 02 0411
Unit Descriptor	This unit of competence covers the work required to select, develop and implement bamboo harvesting plan. It involves skills to evaluate the strategy in terms of costs and benefits to the enterprise.

Elements	Per	formanc	e Criteria	
1. Assess harvesting requirements			ating requirements are assessed and claring to enterprise objectives.	rified
	nts 1.2		rces to support harvesting requirements a ed and arranged.	re
	1.3		eting options are selected to optimize result ency according to enterprise objectives.	ults and
	1.4		nic assessments are undertaken to establi ity of the harvesting objectives.	sh the
	1.5		sting program is formulated to meet enter yes, and is sufficiently flexible to accommo encies.	•
Identify harvesting selection	2.1	•	rise production records are referenced and ise production goals are reaffirmed in harven.	
criteria	2.2		for selection are determined and recorde tion plan.	ed in the
	3.1	Bambo criteria.	o farms are accurately assessed against s	election
	2.3		on criteria are determined for the visual an	d
	2.4	Bambo agreed	o farms/growing areas for harvesting criter	ria are
Design harvesting plan	3.1	• •	available species and topography are ar cumented in accordance with plan and site ures	•
	3.2		area of each coupe is calculated and <i>nett</i> of the vested devised	area to
	3.3	Volume coupe	e estimates are calculated and reported fo	r each
	3.4	-	tional activities including site preparation, mental considerations and access are des	
Page 7 of 51		Ministry of Education Bamboo Processing and Marketing Management Version 1 Copyright Ethiopia Occupational Standard April 2011		

Page 7 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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	3.5	Harvesting and <i>cartage</i> requirements are analyzed and calculated
	3.6	Schedule for harvesting is designed, checked and communicated
4. Monitor harvesting	4.1	Implementation of the harvesting program is monitored for efficiency and effectiveness.
program	4.2	Allocated resources are monitored and controlled within enterprise budgetary constraints.
	4.3	Safe workplace and <i>environmentally</i> responsible practices are maintained according to <i>OHS</i> and enterprise requirements.
	4.4	Relevant <i>legislative requirements</i> associated with bamboo harvesting are observed and complied with.
5. Evaluate harvesting	5.1	Harvesting program processes and outcomes are reviewed and evaluated against enterprise objectives.
program	5.2	Performance of facilities, resources and equipment are evaluated for effectiveness and efficiency.
	5.3	Effectiveness of selection criteria is evaluated for contribution to achievement of breeding aims.
	5.4	Relevant information is documented for continual assessment to inform future practice.

Variables	Range
Harvesting requirements	May include an assessment of enterprise production records to identify property potentials.
Resources	May include:
	human resources,
	 facilities and equipment including recording systems, personal protective equipment,
	monitoring technology harvesting
	 machineries and equipment for harvesting
Harvesting	May include:
options	area and location of harvesting
	age and diameter of bamboo
Harvesting	May include:
program	date and volume of cut
	allowable cut per given location
Recorded	May include:-
	date of bamboo shoot emergence
	volume of cut per year per clump
Species	May include native species of one or more type or
1	imported species
Topography	is to include a map of the designated area showing terrain

Page 8 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

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	levels, contours, elevations, slopes, gullies and adjoining
Nette area	land parcels, rainfall, soil type is to include the total area available for harvesting excluding streamside buffers, filter strips, habitat protection areas, rainforest protection, excluded areas, roads, tracks and landings
Cartage	to include the use of log truck hauling operators to remove felled culms from the site
Environmental	 Negative environmental impacts may: result from high density animal activity, particularly in holding or confined areas, causing increased run-off flows, loss of ground cover, soil disturbance, pugging, dust problems, weed seeds in manure, and contamination of ground and surface water supplies consideration may also be given to the safe use and disposal of veterinarian chemicals and animal residues
OHS requirements	Safe systems and procedures for: maintenance of hygienic and hazard-free facilities and equipment handling animal handling of hazardous substances manual handling, including lifting and carrying outdoor work including protection from solar radiation appropriate use of personal protective equipment
Enterprise requirements	 Standard operating procedure and industry standards Total quality management standards Product labels, manufacturers specifications MSDS, operators manuals Enterprise policies and procedures (including waste disposal, recycling and re-use), and reporting requirements
Legislative requirements	 This may include: welfare act OHS legislation environmental Protection Act, and regulations and codes of practice with regard to the breeding animal and the transfer of genetic materials
Relevant information	 This may include: details of joined animal, artificial insemination procedures carried out, health and condition status of animal and details of administered preventative health treatments, and details of culled and replaced animal

Page 9 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

Evidence Guide	
Critical Aspects of Competence	 Communicate effectively and work safely with others in the work area Efficiently design harvesting plans in accordance with regulations and organizational requirements Effectively design harvesting plans in accordance with site conditions, regulations and organizational requirements
Underpinning Knowledge and Attitudes	 applicable legislative, regulatory or certification requirements and codes of practice relevant to the full range of processes for preparing harvesting plans organizational and site standards, requirements, policies and procedures for harvesting plans principles of cultural diversity and access and equity environmental protection requirements, including the safe disposal of waste material established communication channels and protocols problem identification and resolution types of tools and equipment and procedures for their safe use, operation and maintenance harvesting planning design principles harvesting methodologies procedures for the recording, reporting and maintenance of workplace records and information appropriate mathematical procedures for estimation and measurement
Underpinning Skills	 comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for designing harvesting plans use and maintenance requirements of relevant tools, machinery and equipment identify problems and equipment faults and demonstrate appropriate response procedures use appropriate communication and interpersonal techniques with colleagues and others accurately record and report workplace information, and maintain documentation accurately calculate gross and nett coupe areas
Resources Implication	The following resources must be provided: • Workplace or fully equipped assessment location with necessary documentation and resources normally used in the workplace
Methods of Assessment	Competence may be assessed through: Interview / Written test Observation/Demonstration
Context of Assessment	Competence may be assessed in the work place or in a simulated work place setting

Page 10 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

Occupational Star	Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Manage Trial and/or Research Material		
Unit Code	IND BPM5 03 0411		
Unit Descriptor	This unit covers the process of managing a trial and/or research materials as part of a designated research project. It requires the ability to define the purpose of the trial and the scope and extent of the work, oversee management of trial/research materials, collate data, and complete reports.		

Elements	Perf	Performance Criteria		
Identify scope and extent of	1.1	Trial/research hypothesis and parameters are identified according to researchers requirements.		
work	1.2	Trial/research is planned to meet research objectives.		
	1.3	Data relevant to managing trial/research materials is assessed according to research parameters.		
	1.4	Data relevant to managing trial/research materials is assessed according to enterprise policy.		
	1.5	OHS hazards associated with managing trial/research materials are identified, risks assessed, and controls developed according to enterprise guidelines, valued and documented in the survey design.		
	1.6	Tools, equipment and machinery required for managing trial/research materials are identified, valued, and availability confirmed with suppliers, contractors and appropriate personnel.		
	1.7	Research design is determined according to the trial/research plan.		
Oversee management	2.1	Trial/research is prepared, maintained and monitored according to project parameters.		
of trial/ research materials	2.2	Field work is conducted to verify and collect data according to the trial/research design and research parameters.		
	2.3	Work activities are monitored for accuracy, validity and compliance to the parameters of the trial/research design.		
	2.4	Staged data collection is undertaken according to trial/research design, scheduling and access requirements.		
	2.5	Monitoring and data is recorded faithfully, promptly and accurately according to the specifications of the trial/research design.		

Page 11 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

3. Prepare reports on	3.1	Collected data is recorded according to trial/research requirements and guidelines
work completed	3.2	Data is statistically analysed to determine significance of research results.
	3.3	Hypothesis is accepted or rejected based on data collected.
	3.4	Reports are produced which conform to the structure and content required by the researcher.

Variable	Range	
Trial/research project	Research objectives may relate to the full range of research questions investigated. More common areas will include monitoring and assessing the performance or characteristics of bamboo other materials needed in the production of	
Constraints that may affect the survey	bamboo-based products. Constraints may be financial, time, scheduling, labour availability, seasonal, and government legislation and regulations.	
Ethical issues to be considered in the conduct of the research	Ethical issues may include those relating to plant welfare, ethical practice in informing other parties of the research in process, or be concerned with intellectual property.	
Client	Clients may include the enterprises management or a private individual, company, community group, government agency, or a combination of these entities.	
Data that may be assessed	Data may include written or oral records, existing studies, and local and federal government policy. Data may also relate to human intervention.	
Relevant data collection process	Processes may include the employment of staged visual assessments and checklists, photo points, aerial photography, plant/animal sampling, transect plant or associated animal counts, surveys and questionnaires, and examination of aerial or other existing photographs.	
OHS hazards and control that may be associated with conducting a biological	 Hazards may include solar radiation, air-, soil- and water- borne micro-organisms, chemicals and hazardous substances, sharp hand tools and equipment, manual handling, slippery and uneven surfaces, and moving vehicles. 	
survey	Controls should be introduced according to enterprise OHS policies and procedures and may include identifying hazards	
	 assessing and reporting risks; cleaning, maintaining and storing tools, equipment and machinery; appropriate use of personal protective equipment including sun protection; safe operation of tools, equipment and machinery; safe handling, use and storage of chemicals and hazardous 	

Page 12 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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	substances; correct manual handling; basic first aid available on site; personal hygiene, and reporting problems to managers
Tools, equipment and machinery	 Tools, equipment and machinery may include: computers and appropriate software photographic equipment potentiometer, tape measure, flagging tape, site or district maps, compass recording implements, survey point markers and drivers global positioning system (GPS), specimen bags, secateurs, leaf tissue collection equipment, field testing reagents and tools, and binoculars

Evidence Guide			
Critical Aspects of Competence	 identify, project, research Transfer trial/rese example objective 	nt need evidence that a person is able to: manage and monitor materials for a research collect appropriate data requirements a project requirements the skills and knowledge required to man earch materials to a different work environge, this could include different research project, biological components, data collection orting requirements).	to age ment (for ects and
Underpinning Knowledge and Attitude	The knowledge requirements for this competency standard are listed below: • scheduling and programming work within timelines • ecological principles and terminology • data collection and reporting, research procedures and best practice techniques • enterprise work team management guidelines • data analysis techniques • research planning and design • research methodologies		
Underpinning Skills	 These include the ability to: communicate and negotiate orally and in writing with the researcher, enterprise staff, managers and consultants identify scope and extent of work calculate the cost requirements of managing trial/research materials produce written reports oversee management of trial/research materials comply with legislative requirements 		tants
Resource Implications	The following resources must be provided: Workplace or fully equipped assessment location with necessary documentation and resources normally used in the workplace		
Methods of	Competer	nce should be assessed through:	
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Assessment	Interview/Written Test		
	Demonstration/Observation with Oral Questioning		
Context of Assessment	Competence assessment may occur in workplace or any appropriate simulated environment		

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Develop Marketing Plan	
Unit Code	IND BPM5 04 0411	
Unit Descriptor	This unit covers the process of designing and co-ordinating a marketing plan. It requires the application of skills and knowledge to analyse market conditions and access and evaluate advice on market and potential distribution options. In addition, it requires an awareness of industry structures and business trends. The functions associated with this standard would be performed independently and under limited supervision.	

Elements	Performance Criteria		
1. Evaluate commercial	1.1 Relevant information is researched and analysed to identify market trends.		
information	1.2 Competing products are identified and evaluated to determine strengths and weaknesses of own products.		
	1.3 Collated information is presented in a manner which provides clear and concise information.		
	Market and situation analysis is conducted using established techniques in accordance with available budget and the need for external assistance.		
2. Identify marketing	2.1 Promotional materials are created that enhance the product and commercial presentation.		
requirements	2.2 Priorities, responsibilities, timelines and budgets are recorded and communicated to appropriate colleagues.		
3. Determine promotional	3.1 Detailed plans for promotional activities are prepared and recorded according to enterprise guidelines.		
strategies	3.2 Outlined in the promotional plan are objectives, level of exposure to be achieved and available markets.		
	3.3 Strategies take account of feedback from operational staff, time management and scheduling issues, and resource constraints.		
	3.4 Marketing objectives are established based on new and retained business consistent with product and operational business plans.		
4. Organise implementation	4.1 <i>Criteria</i> are established to measure impact and success of promotional activities.		
	4.2 Adjustments to the promotional strategy product distribution are made promptly to ensure consistency of promotion.		

Page 15 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

4.3	Required distribution channels are defined and established.
	Product documentation is distributed on time in the specified quantities.

Variable	Range	
Information relevant to this standard	Sales data, expected revenues, expenditure, attributable costs, market share figures, trends in consumer purchases, demographic data, borrowing costs, transport costs, and delivery times.	
Product	May include but not limited to:	
Research information	Through Internet, trade magazines, commercial sources, newspapers, library searches, anecdote, and annual reports of companies	
Identify strengths and weaknesses of own products	Packaging and presentation, relative prices, sales outlets and distribution, proximity to markets, customer feedback, complementarity of other products and services, technical support and warranties, availability of consumer information, and the provision of relevant OHS information.	
Promotional materials	 Mass media advertising, Internet advertising and distribution, leaflets and flyers, trade articles, and seminar materials. Information may include region branding, promotion of health benefits, celebrity endorsement, industry compliance, and quality certification. 	
Product documentation	Content and ingredient information, environmental protection information, food standards compliance, labelling, invoices and orders, discount offers and bulk buying options, enterprise profiles, longevity of suppliers, and company endorsements.	
Criteria	Achieving or not achieving sales targets, increased access to new markets, customer/client feedback, level of public/purchaser awareness, increased recognition rates of products, and market penetration.	

Evidence Guide		
Critical Aspects of Competence	 Competence to develop a marketing plan requires evidence of the ability to research, analyse and evaluate market information to compare and contrast data and plan appropriate programs. Evidence must be demonstrated in the presentation of data on 	

	 markets and the capacity to make decisions. The skills and knowledge required must be transferable to a different work environment. For example, this could include different products, promotional strategies and enterprise procedures and policies.
Underpinning Knowledge and Attitude	 Financial management and budgeting Rural organisations policies and procedures for marketing and promotions Sales and marketing principles and practices Sound knowledge of promotional activities including, trade shows, in-house promotions, advertising, public relations,
	familiarisations, signage and display Relevant legislative requirements with regard to OHS and risk management procedures for management of promotional activities
	 Legal issues that affect marketing activities (trade practices, fair trading acts, sales of goods acts) Industry and marketing knowledge including sales networks and distribution systems, and customer trends and preferences
	 Demographic studies and their application in the development of a marketing plan
Underpinning Skills	 Analyse, research information and develop a marketing plan Implement and evaluate a marketing plan Ability to negotiate at all levels Research and determine the best marketing options in order to achieve the organisations objectives Problem solve to overcome impediments Manage time
	 Evaluate performance targets and recommend modifications or improvements Collect and analyse data to assess marketing alternatives Make presentations to groups Plan to manage promotional activities Communicate written and oral information, and prepare Reports and documentation
Resource Implications	 Calculate data and manage budgets. The following resources must be provided: Workplace or fully equipped assessment location with necessary documentation and resources normally used in the workplace
Methods of Assessment	Competence should be assessed through: • Interview/Written Test • Demonstration/Observation with Oral Questioning
Context of Assessment	Competence assessment may occur in workplace or any appropriate simulated environment

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Market Products	
Unit Code	IND BPM5 05 0411	
Unit Descriptor	This unit describes the competences required to segment the market, fix the product price and promote the item.	

Elements	Performance Criteria	
1. Identify market	1.1 Potential market is identified according to market need assessment	
	Identified markets are segmented according to their purchasing power	
	1.3 Marketing strategies are determined to penetrate new market and expand business based on organizations requirement.	
	1.4 Potential clients/customer profile is determined based on their needs	
Determine product price	2.1 Pricing is set based on determining factors and objectives of the organization	
	2.2 Selling price is estimated taking into consideration the buying power and characteristics of the identified market segment	
	2.3 Selling price is documented and tested in a selected market segment	
3. Conduct product promotion	3.1 Appropriate <i>promotion methods</i> are determined and selected according to enterprise capacity and customers' accessibility	
	3.2 Promotion is conducted based on the selected methodologies using appropriate fliers/brochures or advertisement medium	
	3.3 Potential distribution channels are selected based on interest and capacity of the enterprise	
	3.4 Display areas are identified and established in accordance with enterprise guidelines and standards	

Variable	Range	
Determining factors	Include but not limited to:	

Page 18 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

Promotion methods	May include but limited to: TV / radio commercials use of fliers and brochures sample testing SMS relay financing options use of display center
	use of display centertrade fairs

Evidence Guide			
Critical aspects of Competence	Demonstrates skills and knowledge in: • identifying and market segmentation • determining product price • product promotion		
Underpinning Knowledge and Attitudes	Demonstrates knowledge of: market principles, analysis and strategies customers characteristics and profile advertising principles and methodology product specifications and qualities product introduction and promotion entrepreneurial activities		
Underpinning Skills	Demonstrates skills to:		
Resources Implication	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.		
Assessment Methods	Competency may be assessed through: Interview / Written Test / Oral QuestioningObservation / Demonstration		
Context of Assessment	Competency may be assessed in the work place or in a simulated work place setting		

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Evaluate international marketing opportunities	
Unit Code	IND BPM5 06 0411	
Unit Descriptor	This unit covers evaluating the international environment, identifying market factors and risks, and assessing the viability of international marketing opportunities.	

Elements	Performance Criteria	
Review the global market environment	1.1	International trade patterns are assessed and their likely importance for the business identified
	1.2	Multinational business and e-commerce markets are researched and opportunities to enter, shape or influence the market are assessed in terms of likely contribution to the business
	1.3	International markets operating under free trade and/or protectionist arrangements are identified and the likely ease of entering and trading successfully estimated
	1.4	International trade policies and agreements are identified and their likely impact on international marketing opportunities estimated
2. Assess international business and ecommerce market factor	2.1	Economic and political factors affecting the international market are identified and analysed for their potential impact on international marketing opportunities
	2.2	Social and cultural factors affecting the international market are identified and analysed for their potential impact on international marketing opportunities
	2.3	International market trends and developments are investigated to identify market needs relative to the business
	2.4	New and emerging business and e-commerce markets are identified and opportunities to enter, shape or influence the markets are assessed in terms of their fit with business goals and direction and their likely contribution to the business
3. Identify risk factors for international marketing opportunities	3.1	Political and financial stability and corruption risks for the potential market are analysed and rated as acceptable or not
	3.2	Legal and regulatory requirements and trade barriers for the potential market are analysed and rated as acceptable or not
	3.3	Risk factors are related to international business cycles

Page 20 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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		in terms of economic conditions , and their impact is estimated for the potential mark
4. Investigate international business and ecommerce marketing opportunities	4.1	Opportunities are identified and analysed in terms of their likely fit with the organisation's goals and capabilities
	4.2	Each opportunity is evaluated to determine its impact on current business and customer base
	4.3	An assessment of costs, benefits, risks and opportunities is used to determine the financial viability of each marketing opportunity
	4.4	Probable return on investment and potential competitors are determined
	4.5	Marketing opportunities are described and ranked in terms of their viability and likely contribution to the business

Variable	Range
Legislation, codes and national standards relevant to the workplace which may include	 award and enterprise agreements and relevant industrial instruments relevant legislation from all levels of government that affects business operation, especially in regard to Occupational Health and Safety and environmental issues, equal opportunity, industrial relations and anti-discrimination relevant industry codes of practice
International trade agreements may include	• GATT
International business and ecommerce market factors may include	 trade relations with Australia level of economic development industrial structure growth factor/s investment rates technology and telecommunications infrastructure cost of funds currency exchange rates interest rates trade restrictions tariffs distribution channels political systems social and cultural factors incentives government assistance trade groupings cultural and political groupings on-line customer groupings

Page 21 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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	. virtual communities		
	• virtual communities		
	customer service factors		
Social and	family role and status		
cultural factors	• traditions		
may include	• preferences		
	behaviours		
	• language		
	• customs		
	• currency		
	political system		
	• legal system		
Risk factors may	political stability		
include	financial stability		
	legal and regulatory requirements		
	work factors		
	cultural factors		
	language factors		
	available technology		
	telecommunications infrastructure		
	resource capability and capacity		
	resource availability, sustainability and management		
	• logistics		
	transportation systems		
	communication systems		
	trade barriers		
	• corruption risks		
	legal risks in selling goods and services on-line to the		
	international market		
F	• prosperity		
Economic	• recession		
conditions may	• depression		
include	·		
	• recovery		
International	• exporting		
marketing	• licensing		
opportunities may	• agents		
inlcude	• intermediaries		
inioddo	• joint ventures		
	strategic alliances		
	direct investment		
	on-line business opportunities		
	on mie saemieee oppertammee		

Evidence Guide		
Critical aspects of Competence	 Integrated demonstration of all elements of competence and their performance criteria Supporting evidence for decisions about likely impact of factors, probable return on investment and market viability of international marketing opportunities 	
Underpinning Knowledge and Attitudes	 Demonstrates knowledge of: Relevant legislation from all levels of government that affects business operation, especially in regard to Occupational Health and Safety and environmental issues, equal opportunity, industrial relations and anti-discrimination Organisation's products and services Organisation's business and marketing plan Research processes for international markets Cross-cultural communication International business protocols • E-Commerce 	
Underpinning Skills	 Literacy skills to identify and evaluate information, and to interpret cultural issues Communication including questioning, clarifying and reporting Research and evaluation skills Computer technology skills Ability to relate to people from a range of social, cultural and ethnic backgrounds and physical and mental abilities 	
Resources Implication	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.	
Assessment Methods	Competency may be assessed through: Interview / Written Test / Oral Questioning Observation / Demonstration	
Context of Assessment	Competency may be assessed in the work place or in a simulated work place setting	

Occupational Standard: Bamboo Processing and Marketing Management Level V	
Unit Title	Manage Value Chain
Unit Code	IND BPM5 07 0411
Unit Descriptor	This unit covers the knowledge and skills needed to manage a value chain, a supply chain or a demand chain including the close liaison with suppliers and customers and even the managing of the supply/demand chain of smaller suppliers/customers (if they wish it). This unit covers the managing of the supply chain, the demand chain as well as the overall value chain and may be applied to the managing of the chain internally/externally within an organisation.

Elements	Performance Criteria
Evaluate the value chain	1.1 Identify all members in the value chain for product/s in area of responsibility
	1.2 Identify <i>value added</i> by each member of the chain
	1.3 Identify acute and chronic issues which impact on the value chain
	1.4 Develop priority list of items for improvement
2. Liaise regularly with	2.1 Establish and maintain regular liaison with all chain members
chain members	2.2 Identify current and forecast issues with each member
members	2.3 Work with members to help them address their issues
	2.4 Build trust and confidence in the relationship
	2.5 Develop a priority list of items for improvement
	2.6 Negotiate with all chain members to ensure improvements benefit chain members and improve the benefits/features perceived by the ultimate customer
3. Monitor the	3.1 Identify changes in value added by each chain member
value added at each step	3.2 Identify areas where changes to value added are required
at cach step	3.3 Develop a priority list of items for improvement
	3.4 Work with chain member to bring about improvements to value added
4. Continue to	4.1 Identify <i>waste</i> in value chain
reduce waste	4.2 Work with chain members to continually reduce waste

Page 24 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

Variable	Range
Value chain	Competitive manufacturing organisations encompass the entire supply system, beginning product design, raw material mining and processing and all tiers of the value chain. Any truly 'competitive' system is highly dependent on the demands of its customers and the reliability of its suppliers. No implementation of competitive manufacturing can reach its full potential without including the entire 'enterprise' in its planning.
Value added	Value added is measured against its contribution to the customer benefits/features and may be in the form of: • technical benefits/features • location benefits/features • aesthetic benefits/features • information benefits/features
Waste	Waste (also known as muda in the Toyota Production System and its derivatives) is any activity which does not contribute to customer benefit/features in the product. Within manufacturing, categories of waste include: • excess production and early production • delays • movement and transport • poor process design • inventory • inefficient performance of a process • making defective items. Waste for this unit may include activities which do not yield any benefit to the organisation or any benefit to the organisations customers.

Evidence Guide			
Critical Aspe	Evidence of ongoing improvements in the value chain should be available, along with the waste reductions which flow from it.		
Underpinning Knowledge a Attitude	'		
Underpinning Skills	To achieve the performance criteria, some complementary skills are required. These skills include the ability to: • liaison • negotiation • communication • planning • basic value analysis		
Page 25 of 51	Ministry of Education Copyright Bamboo Processing and Marketing Management Ethiopia Occupational Standard Version 1 April 2011		

Resource Implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.	
Methods of Assessment	Competence should be assessed through: • Interview/Written Test	
	Demonstration/Observation with Oral Questioning	
Context of Assessment	Competence assessment may occur in workplace or any appropriate simulated environment	

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Manage Quality Assurance System	
Unit Code	IND BPM5 08 0411	
Unit Descriptor	This unit covers the process of planning, implementing and reviewing a quality assurance program for bamboo processing enterprise. It requires the ability to determine quality assurance objectives for the enterprise, plan the quality assurance program, develop implementation strategies, implement the quality assurance program, and review the quality assurance program.	

Elements Pe		formance Criteria
Determine quality	1.1	Future market requirements for quality assured products are assessed.
assurance objectives for	1.2	Premiums for quality assurance products are determined.
the enterprise	1.3	Strategic benefits of a quality assurance program are assessed.
2. Plan the	2.1	Product quality standards are defined.
quality assurance	2.2	Current status of products and operations is audited.
program and develop	2.3	Industry quality assurance programs are evaluated and cost.
implementati on strategies	2.4	Required processes and practices are documented in the quality assurance program manual and an implementation plan is prepared.
3. Implement the quality	3.1	Instructions are documented defining task and process requirements.
assurance program	3.2	Contractor and staff training is established and implemented.
	3.3	Communication takes account of social, cultural and ethnic backgrounds.
	3.4	Changes to <i>processes and practices</i> are introduced.
	3.5	Processes to monitor and verify product quality are established.
	3.6	Recording systems are introduced.
	3.7	Operating instructions are validated under <i>conditions</i> to verify their suitability.
	3.8	Problems and issues are analysed and resolved appropriately, promptly and decisively.

Page 27 of 51 Ministry of Copy		Version 1 April 2011
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4. Review the	4.1	Reporting formats are established.
quality assurance program	4.2	Mechanisms for gaining feedback information are implemented.
program	4.3	Preparation is made for quality assurance audits.

Variable	Range
future market requirements	The assessment of market requirements for quality products should include trends and directions from regional, domestic and overseas markets.
industry quality assurance programs	Industry quality assurance programs will include programs developed by a range of entities including industry organisations and marketing authorities, processors, wholesalers/retailers and other stakeholders. Relevant programs include Cattle care, Flock care, Fresh agricultural product care, and Proven Perfect.
communication	Communication will be through a range of strategies relevant to the workplace and will include workplace meetings, signage, memoranda, newsletters and interviews.
processes and practices	All processes and practices impacting on the quality of product produced will be relevant.
recording systems	Recording systems will be effective in meeting the quality assurance arrangements established and relevant to the enterprise. They may be computer or non-computer based.
conditions	Validation should be conducted under the full range of workplace operating conditions and cover variations in work throughput, personnel involved and environmental parameters.
reporting formats	Reporting formats will be the responsibility of the enterprise consistent with the quality assurance objectives.
mechanisms for gaining feedback	Feedback will be sourced from customers/purchasers, internal stakeholders, suppliers and other service providers.

Evidence Guide			
Critical Aspects of Competence	Competence in planning, implementing and reviewing a quality assurance program requires evidence that quality assurance programs have been successfully and appropriately established and managed in a bamboo processing enterprise. The skills and knowledge required to plan, implement and review a quality assurance program must be transferable to a range of work environments and contexts. For example, this could include different rural enterprises and commodity areas.		

Page 28 of 51 Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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Underpinning Knowledge and Attitude	Knowledge and understanding are essential to apply this standard in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this unit are listed below: • market projections and customer requirements • cost/benefit of quality assurance implementation • system analysis, • enterprise culture and values • leadership and administrative skills • human resources induction practices • human resources performance monitoring practices
Underpinning Skills	To achieve the performance criteria, some complementary skills are required. These skills include the ability to: • determine quality assurance objectives for the enterprise • plan the quality assurance program and develop • implementation strategies • implement the quality assurance program • review the quality assurance program
Resource Implications	 Materials, equipments, chemicals, reagents, and other needful for quality control Manuals(guidelines) Standard regulations competency standard for consistent performance assessment guidelines relevant sector booklet
Methods of Assessment	Competence should be assessed through: • Interview/Written Test • Demonstration/Observation with Oral Questioning
Context of Assessment	Competence assessment may occur in workplace or any appropriate simulated environment

Occupational Sta	ndard: Bamboo Processing and Marketing Management Level V
Unit Title	Establish and Maintain Enterprise OHS Programs
Unit Code	IND BPM5 09 0411
Unit Descriptor	This unit covers the process of establishing and maintaining the enterprise Occupational Health and Safety (OHS) program. It requires the ability to develop OHS policies and procedures that demonstrate enterprise commitment to OHS, establish and maintain participative arrangements, develop OHS safety induction and training programs, and evaluate the enterprise OHS system.

Elements	Per	formance Criteria
Develop OHS policies and procedures	1.1	An OHS business plan and program is developed for the enterprise in consultation with designated personnel and/or management.
	1.2	OHS responsibilities and duties are clearly defined, allocated and included in job descriptions and duty statements for all relevant positions.
	1.3	Financial and human resources for implementation of OHS policies and procedures are identified, sought and/or provided as required.
	1.4	Information on the OHS system and procedures for the area of responsibility is provided and explained in a form which is readily understood by employees.
2. Establish and maintain processes to ensure the participation of all employees in the application of OHS	2.1	Consultation <i>processes</i> are established and maintained with employees and their representatives in accordance with relevant legislation and according to enterprise guidelines.
	2.2	Issues raised though participation and consultation are dealt with and resolved promptly and effectively in accordance with enterprise procedures for issue resolution.
OHO	2.3	Information about the outcomes of participation and consultation is provided in a manner readily accessible to employees.
3. Establish and maintain procedures for identifying	3.1	Existing and potential <i>hazards</i> within the area of responsibility are identified and confirmed in accordance with legislation, Codes of Practice, and trends identified from the OHS records system.
hazards	3.2	Procedure for ongoing identification of hazards is developed and integrated within systems of work and procedures.
Ministry of Education Ramboo Processing and Marketing Management Version 1		

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	3.3	Activities are appropriately monitored to ensure that this procedure is adopted effectively throughout areas of managerial responsibility.
	3.4	Hazard identification is addressed at the planning, design and evaluation stages of any change in the workplace to ensure that new hazards are not created.
4. Establish and maintain procedures for assessing risks	4.1	Risks associated with identified hazards are assessed in accordance with safe work practices, with information derived from workplace OHS records and industry wide information, and with relevant OHS legislation and Codes of Practice.
	4.2	A procedure for ongoing assessment of risks is developed and integrated within systems of work and procedures.
	4.3	Activities are monitored to ensure that risk assessment procedures are adopted effectively throughout the area of managerial responsibility.
	4.4	Risk assessment is addressed at the planning, design and evaluation stages of any change in the workplace to ensure that the risk from hazards is not increased.
	4.5	Accident and dangerous occurrences are investigated and recorded according to enterprise and OHS procedures.
5. Implement interim risk control measures	5.1	Measures to control assessed risks are developed and implemented in accordance with the hierarchy of control, relevant OHS legislation, Codes of Practice, and trends identified from the OHS records system.
	5.2	When measures which <i>control a risk</i> at its source are not immediately practicable, interim solutions are implemented until a permanent control measure is developed.
	5.3	Process of ongoing hazard identification and risk assessment, and review of effectiveness of control programs is developed and integrated into enterprise management arrangements.
	5.4	Activities are monitored to ensure that the risk control procedure is adopted effectively throughout the area of managerial responsibility.
	5.5	Risk control is addressed at the planning, design and evaluation stages of any change in the workplace to ensure that adequate risk control measures are included.
	5.6	Systems are designed to reduce risk and administrative arrangements to ensure safe OHS work practices are put in place where elimination of a hazard is not possible.
	5.7	Effective OHS risk management measures are set in

		place during any modification of the buildings and structures, machinery and work activities.
	5.8	Inadequacies in existing risk control measures are identified and resources enabling implementation of new measures are sought and/or provided according to appropriate workplace procedures.
6. Plan and manage	6.1	Potential emergencies posing risk to health and safety of workers and the public are correctly identified.
enterprise procedures for dealing with hazardous events	6.2	Plans and procedures which control the risks associated with hazardous events and meet any legislative requirements as a minimum, are developed in consultation with appropriate emergency services.
events	6.3	Appropriate information and training is provided to employees to enable implementation of correct emergency procedures.
	6.4	Adequate numbers of workers are trained in First Aid to ensure that first aid is applied to preserve life and minimise injury.
7. Establish and maintain an	7.1	An OHS induction program is developed to meet the occupational health and safety needs of new employees.
OHS safety induction and training program	7.2	An OHS training program is developed as part of supervisors and employee's general training.
8. Establish and maintain system for	8.1	A system for keeping OHS records is established and monitored to allow identification of patterns of occupational injury and disease in the enterprise.
OHS records	8.2	Records are regularly updated and used to evaluate the effectiveness of the enterprise OHS program.
9. Evaluate the enterprise OHS system and related policies, procedures and programs	9.1	The effectiveness of the OHS system and related policies, procedures and programs is assessed according to enterprise aims with respect to OHS.
	9.2	Improvements to the OHS system are developed and implemented to ensure more effective achievement of enterprise aims.
	9.3	Compliance with OHS legislation and Codes of Practice is assessed to ensure that legal OHS standards are maintained as a minimum.

Variable	Range
Processes	OHS committees, consultation with health and safety representatives, issue resolution procedures and participative/consultative procedures conducted by supervisory staff within the area of managerial responsibility.
Hazards	Hazards in the workplace, risks associated with plants and animals, risks associated with bystanders/public, levels of health and fitness, OHS emergencies in land-based workplaces.
Methods to control	General duty of care, following regulations and Codes of Practice, use of protective clothing or equipment, handling hazardous substances carefully.
Procedures for dealing with hazardous events	Provision of clear directions to the location of an emergency using relevant National, State and local references.
Adequate number of workers	By completion of recognised first aid training and maintaining skill levels to ensure that injured workers receive effective treatment while awaiting medical attention.
Records	OHS audits and inspections, action taken to control OHS risk, OHS induction and training of workers, registers of hazardous substances (including pesticides), use of hazardous substances and health surveillance results, workers occupational injury and illness, and Material Safety Data Sheets (MSDS) of hazardous substances.

Evidence Guide	
Critical Aspects of Competence	 Competence in establishing and maintaining the enterprise occupational health and safety program requires evidence that knowledge and skills has been applied in the establishment, maintenance and evaluation of an enterprise OHS system as set out in this unit, and according to enterprise guidelines and relevant acts. The skills and knowledge required to establish and maintain the enterprise occupational health and safety program must be transferable to a range of work environments and contexts.
Underpinning Knowledge and Attitude	 The knowledge requirements for this unit are listed below: significant hazards in the workplace all relevant OHS legislation and codes of practice consistent with the elements of competence, the hierarchy of OHS risk control and its implementation for hazards in land-based industries risk control measures hierarchy of control relevant management systems and procedures public safety issues

Page 33 of 51	of Education Bamboo Processing and Marketing Management byright Ethiopia Occupational Standard	vnt Version 1 April 2011
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Underpinning Skills	 These include the ability to: develop OHS policies and procedures which demonstrate enterprise commitment to OHS establish and maintain arrangements to ensure the involvement of all employees in the management of OHS establish and maintain procedures for identifying hazards establish and maintain procedures for assessing risks establish and maintain procedures for controlling risks establish and maintain enterprise procedures for dealing with hazardous events establish and maintain an OHS induction and training program establish and maintain a system for OHS records evaluate the enterprise OHS system and related policies, procedures and programs analyse recorded data to determine where the OHS program can better meet enterprise and employee needs
Resource Implications	 The following resources must be provided: Workplace or fully equipped assessment location with necessary documentation and resources normally used in the workplace
Methods of Assessment	Competence should be assessed through: • Interview/Written Test • Demonstration/Observation with Oral Questioning
Context of Assessment	Competence assessment may occur in workplace or any appropriate simulated environment

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Facilitate and Capitalize on Change and Innovation	
Unit Code	IND BPM5 10 0411	
Unit Descriptor	This unit specifies the outcomes required to plan and manage the introduction and facilitation of change; particular emphasis is on the development of creative and flexible approaches, and on managing emerging opportunities and challenges.	

Elements	Performance Criteria	
Participate in planning the introduction and facilitation of change	Manager contributes effectively to the organization's planning processes to introduce and facilitate change	
	1.2 Plans to introduce change are made in consultation with appropriate stakeholders	
	1.3 Organization's objectives and plans to introduce change are communicated effectively to individuals and teams	
2. Develop creative and flexible approaches and solutions	2.1 Variety of approaches to managing workplace issues and problems are identified and analyzed	
	2.2 Risks are identified and assessed, and action initiated to manage these to achieve a recognized benefit or advantage to the organization	
	2.3 Workplace is managed in a way which promotes the development of innovative approaches and outcomes	
	2.4 Creative and responsive approaches to resource management improve productivity and services, and/or reduce costs	
3. Manage emerging challenges and opportunities	3.1 Individuals and teams are supported to respond effectively and efficiently to changes in the organization's goals, plans and priorities	
	3.2 Coaching and mentoring assist individuals and teams to develop competencies to handle change efficiently and effectively	
	3.3 Opportunities are identified and taken as appropriate, to make adjustments and to respond to the changing needs of customers and the organization	
	3.4 <i>Information needs</i> of individuals and teams are anticipated and facilitated as part of change implementation and management	
	3.5 Recommendations for improving the methods and techniques to manage change are identified, evaluated and negotiated with appropriate individuals and groups	
Dama 25 of 54 Ministry	Page 35 of 51 Ministry of Education Bamboo Processing and Marketing Management Version 1	

Variables	Range
Manager	a person with frontline management roles and responsibilities, regardless of the title of their position
Appropriate stakeholders may refer to:	 those individuals and organizations who have a stake in the change and innovation being planned, including: organization directors and other relevant managers teams and individual employees who are both directly and indirectly involved in the proposed change union/employee representatives or groups OHS committees other people with specialist responsibilities external stakeholders where appropriate - such as clients, suppliers, industry associations, regulatory and licensing agencies
Risks may refer to:	 any event, process or action that may result in goals and objectives of the organization not being met any adverse impact on individuals or the organization various risks identified in a risk management process
Information needs may include:	 new and emerging workplace issues implications for current work roles and practices including training and development changes relative to workplace legislation, such as OHS, workplace data such as productivity, inputs/outputs and future projections planning documents reports market trend data scenario plans customer/competitor data

Evidence G	uide			
Critical Aspects of Competence		Develop	g the introduction and facilitation of chang ping creative and flexible approaches and ng emerging challenges and opportunities	solutions
Knowledge and Attitudes		affects occupa equal discrim the prin chan deve and f use o	nt legislation from all levels of governations operation, especially in retional health and safety and environment opportunity, industrial relations a sination operation operation of strategies and procedures to it facilitate change and innovation of risk management strategies: identifying ing risks and implementing risk control meters identification and resolution	regard to tal issues, and anti-
Page 36 of 51	age 36 of 51 Ministry of Education Copyright		Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011

	 leadership and mentoring techniques management of quality customer service delivery consultation and communication techniques record keeping and management methods the sources of change and how they impact factors which lead/cause resistance to change approaches to managing workplace issues
Underpinning Skills	 Communication skills Planning work Managing risk
Resources Implication	 The following resources must be provided: Workplace or fully equipped assessment location with necessary tools, equipment and consumable materials
Assessment Methods	Competence may be assessed through: Interview Observation/Demonstration
Context of Assessment	Competence may be assessed in the work place or in a simulated work place setting

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title Establish and Conduct Business Relationships		
Unit Code	IND BPM5 11 0411	
Unit Descriptor	This unit covers the skills, attitudes and knowledge required to manage business relationship with customers.	

Elements	Per	formance Criteria
1. Establish	1.1	Welcoming customer environment is maintained
contact with customer	1.2	Customer is greeted warmly according to enterprise policies and procedures
	1.3	Effective service environment is created through verbal and non-verbal presentation according to enterprise policies and procedures
	1.4	Customer data is maintained to ensure database relevance and currency
	1.5	Information on customers and service history is gathered for analysis
	1.6	Opportunities to maintain regular contact with customers are identified and taken up
Clarify needs of customer	2.1	Customer needs are determined through questioning and active listening
	2.2	Customer needs are accurately assessed against the products/services of the enterprise
	2.3	Customer details are documented clearly and accurately in required format
	2.4	Conduct negotiations in a business-like and professional manner
	2.5	Maximize benefits for all parties in the negotiation through use of established <i>techniques</i> and in the context of establishing long term relationships
	2.6	Communicate the results of negotiations to appropriate colleagues and stakeholders within appropriate timeframes
Provide information and advice	3.1	Features and benefits of products/services provided by the enterprise are described/recommended to meet customer needs
	3.2	Information to satisfy customer needs is provided
	3.3	Alternative sources of information/advice are discussed with the customer

Page 38 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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Foster and maintain	4.1	Pro-actively seek, review and act upon information needed to maintain sound business relationships.
business relationships	4.2	Honor agreements within the scope of individual responsibility.
	4.3	Make adjustments to agreements in consultation with the customer and share information with appropriate colleagues.
	4.4	Nurture relationships through regular contact and use of effective interpersonal and communication styles.

Variables	Range	
Opportunities to maintain regular contact with customers may include:	 informal social occasions industry functions association membership co-operative promotions 	
Negotiation techniques	 program of regular telephone contact identification of goals, limits clarification of needs of all parties identifying points of agreement and points of difference preparatory research of facts active listening and questioning non-verbal communication techniques appropriate language bargaining developing options confirming agreements appropriate cultural behavior 	

Evidence Guide	
Critical Aspects of Competence	It is essential that competence is fully observed and there is ability to transfer competence to changing circumstances and to respond to unusual situations in the critical aspects of: • consistently applying enterprise policies and procedures and industry codes of practice in regard to customer service • providing a quality service environment by treating customers in a courteous and professional manner through all stages of the procedure
	 using effective questioning/active listening and observation skills to identify customer needs communicating effectively with others involved in or affected by the work maintaining relevant and current customer databases in

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	accordance with enterprise policies and procedures
	ability to build and maintain relationships to achieve
	successful business outcomes
Required	Operational knowledge of enterprise policies and
knowledge	procedures in regard to:
	• customer service
	 dealing with difficult customers
	maintenance of customer databases allocated duties/responsibilities
	allocated duties/responsibilitiesGeneral knowledge of the range of enterprise
	merchandise and services, location of telephone
	extensions and departments/sections
	Basic operational knowledge of legislation and statutory
	requirements, including consumer law, trade practices
	and fair trading legislation
	Basic operational knowledge of industry/workplace codes
	of practice in relation to customer service
	negotiation and communication techniques appropriate to
	negotiations that may be of significant commercial value
Underpinning Skills	Use workplace technology related to use of customer
	database
	Collect, organize and understand information related to
	collating and analyzing customer information to identify
	needs
	Communicate ideas and information
	 Plan and organize activities concerning information for database entries
	 Use mathematical ideas and techniques to plan database
	cells and size
	Establish diagnostic processes which identify and
	recommend improvements to customer service
Resources	The following should be made available:
Implication	a workplace or simulated workplace
	documentation, such as enterprise policy and procedure
	manuals relating to customer service
Assessment	Competence may be assessed through:
Methods	Interview / Written Test
	Observation/Demonstration with Oral Questioning
Context of	Elements of competence contain both knowledge and
Assessment	practical components. Knowledge components may be
	assessed off the job. Practical components should be
	assessed on the job or in a simulated work environment.

Occupational Standard: Bamboo Processing and Marketing Management Level V			
Unit Title	Unit Title Practice Career Professionalism		
Unit Code	IND BPM5 12 0411		
Unit Descriptor	This unit covers the knowledge, attitudes and skills in promoting career growth and advancement.		

Elements	Performance Criteria	
Integrate personal objectives with organizational goals	1.1	Personal growth and work plans are pursued towards improving he qualifications set for the profession
	1.2	Intra- and interpersonal relationships is are maintained in the course of managing oneself based on performance evaluation
	1.3	Commitment to the organization and its goal is demonstrated in the performance of duties
2. Set and meet work priorities	2.1	Competing demands are prioritized to achieve personal, team and organizational goals and objectives.
	2.2	Resources are utilized efficiently and effectively to manage work priorities and commitments
	2.3	Practices along economic use and maintenance of equipment and facilities are followed as per established procedures
3. Maintain professional	3.1	Trainings and career opportunities are identified and availed of based on job requirements
growth and development	3.2	Recognitions are -sought/received and demonstrated as proof of career advancement
	3.3	Licenses and/or certifications relevant to job and career are obtained and renewed

Variable	Range	
Evaluation	performance appraisal	
	psychological profile	
	aptitude tests	
Resources	• human	
	financial	
	technology, hardware and software	
Training and	participation in training program	
career	serving as resource persons in conference/workshops	
opportunities	continuing education	

Page 41 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

Recognition	recommendations
	citations
	certificate of appreciation
	commendations / awards
	tangible and intangible rewards
Licenses and/or	professional licenses
certificates	support level licenses

Evidence Guide		
Critical Aspects of	Assessment must show evidence that the candidate:	
Assessment	attained job targets within key result areas (KRAs)	
	 maintained intra - and interpersonal relationship in the course of managing oneself based on performance evaluation 	
	 completed trainings and career opportunities which are based on the requirements of the industries 	
	 acquired and maintained licenses and/or certifications according to the requirement of the qualification 	
Underpinning	Demonstrates knowledge of:	
Knowledge and Attitudes	 work values and ethics (Code of Conduct, Code of Ethics, etc.) 	
	company policies	
	company operations, procedures and standards	
	fundamental rights at work including gender sensitivity	
	personal hygiene practices	
Underpinning	Demonstrates skills on:	
Skills	appropriate practice of personal hygiene	
	intra and Interpersonal skills	
	communication skills	
Resource Implications	The following resources must be provided: variety of information, communication tools, simulated workplace	
Methods of	Competence may be assessed through:	
Assessment	Interview / Oral Questioning	
	Observation/Demonstration with Oral Questioning	
Context of Assessment	Competence may be assessed in the work place or in a simulated work place setting	

Occupational Standard: Bamboo Processing and Marketing Management Level V		
Unit Title	Develop and Refine Systems for Continuous Improvement in Operations	
Unit Code	IND BPM5 13 1012	
Unit Descriptor	This unit of competency covers the skills, knowledge and processes required to ensure that continuous improvement systems do not stultify and continue to improve along with other operational systems in an organization. This unit is about improving the process yield/unit of effort or cost, reducing process variation and increasing process reliability, upgrading, enhancing or refining process outputs, and includes developing a culture of reviewing and sustaining change ensuring improvements are maintained and built on.	

Elements	Performance Criteria
Establish parameters of	1.1 Describe <i>organization systems</i> that impact on continuous improvement
current internal improvement	1.2 Identify current <i>relevant metrics</i> and their values
systems	1.3 Check that metrics are collected for all improvements
	1.4 Determine <i>yield of current improvement processes</i>
	1.5 Review results of improvements
Distinguish breakthrough	2.1 Identify all <i>improvements</i> which have occurred over an agreed period of time
improvement processes	2.2 Distinguish between <i>breakthrough improvements</i> and continuous improvements
	2.3 Determine the timing of breakthrough improvement processes
	2.4 Analyze factors controlling the <i>timing</i> and selection of breakthrough improvements
	2.5 Analyze <i>continuous improvements</i> to identify cases where breakthrough improvements were required
	2.6 Validate findings with process/system owners and obtain required approvals
	2.7 Improve timing/selection of breakthrough improvements
	2.8 Improve other factors limiting the gains from breakthrough improvements
3. Develop continuous improvement	3.1 Check that levels of delegated authority and responsibility are appropriate for continuous improvement from the shop floor
practice	3.2 Ensure all personnel have appropriate capabilities for

Page 43 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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			continuous improvement processes
		3.3	Ensure personnel and systems recognize potential breakthrough improvement projects
		3.4	Ensure sufficient resources are available for the operation of continuous and breakthrough improvement processes
		3.5	Check that relevant information flows from improvement changes to all required areas and stakeholders
		3.6	Check data collection and metrics analysis capture changes which result from improvement actions
		3.7	Check that improvement changes are standardized and sustained
		3.8	Check review processes for routine continuous improvements
		3.9	Remove or change factors limiting gains from improvements
		3.10	Modify systems to ensure appropriate possible changes are referred to other improvement processes
		3.11	Institutionalize breakthrough
	meters of	4.1	Review <i>value stream</i> systems that impact on improvement
	ent external ovement em	4.2	Review procedures for deciding improvement methodologies Identify current relevant metrics and their values, as appropriate
		4.3	Determine yield of current improvement processes
		4.4	Review results of improvements
5. Expl	ore ortunities for	5.1	Review mechanisms for consultation with value stream members
	lopment of	5.2	Develop mechanisms for further improving joint problem solving
impr	value stream improvement processes	5.3	Develop mechanisms for increased sharing of organizational knowledge
		5.4	Obtain support and necessary authorizations from process/system owners
		5.5	Capture and standardize improvements
		5.6	Improve factors limiting gains from continuous improvements
	ew systems ompatibility	6.1	Review all systems which impact or are <i>impacted on improvements</i> and the improvement system
	ovement egy	6.2	Analyze relationships between improvement systems and other relevant systems

Page 44 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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6.	Analyze practices caused by and results from the systems
6.	Negotiate changes to the systems to improve the outcomes from improvement systems
6.	5 Obtain necessary approvals to implement changes
6.	6 Monitor the implementation of the changes

Variable	Range		
Competitive systems and practices	Competitive systems and practices may include, but are not limited to: lean operations agile operations preventative and predictive maintenance approaches monitoring and data gathering systems, such as Systems Control and Data Acquisition (SCADA) software, Enterprise Resource Planning (ERP) systems, Materials Resource Planning (MRP) and proprietary systems statistical process control systems, including six sigma and three sigma JIT, kanban and other pull-related operations control systems supply, value, and demand chain monitoring and analysis SS continuous improvement (kaizen) breakthrough improvement (kaizen blitz) cause/effect diagrams overall equipment effectiveness (OEE) takt time process mapping problem solving run charts standard procedures current reality tree Competitive systems and practices should be interpreted so as to take into account: stage of implementation of competitive systems and practices the size of the enterprise the work organization, culture, regulatory environment and the industry sector		
Code of practice and standards	Where reference is made to industry codes of practice, and/or Ethiopian/international standards, the latest version must be used		
Organization	Organization systems may include:		

Page 45 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

systems	problem recognition and solving			
Systems	 problem recognition and solving operational/process improvement 			
	 operational/process improvement improvement projects 			
	 product/process design and development 			
	 product/process design and development processes for making incremental improvements 			
Delevent	Relevant metrics include all those measures which might be			
Relevant metrics	used to determine the performance of the improvement system			
	and may include:			
	hurdle rates for new investments			
	KPIs for existing processes			
	quality statistics			
	delivery timing and quantity statistics			
	process/equipment reliability ('uptime')			
	incident and non-conformance reports			
	complaints, returns and rejects			
Process	Improvement process yield may be regarded as:			
improvement yield	the benefit achieved for the effort invested			
Breakthrough	Breakthrough improvements include:			
improvements	those which result from a kaizen blitz or other improvement			
Improvemente	project or event and are a subset of all improvements			
Timing of	Timing of breakthrough improvements includes:			
breakthrough	 frequency (which should be maximized) and duration 			
improvements	(which should be minimized) of events/projects			
Continuous	Continuous improvement is part of normal work and does not			
improvement	require a special event to occur (although may still require			
	authorizations) and contrasts with breakthrough			
	improvement/kaizen blitz which occurs by way of an event or project			
Resources for	Resources for improvements include:			
improvement	improvement budget			
	 guidelines for trialing of possible improvements 			
	 mechanism for approvals for possible improvements 			
	 business case guidelines for proposed improvements 			
	 indicators of success of proposed improvement 			
	 mechanisms for tracking and evaluation of changes 			
	forum for the open discussion of the results of the			
	implementation			
	mechanisms for the examination of the improvement for delition of the improvement for			
	additional improvements			
Conturing value	organization systems to sustain beneficial changes Capturing value stream improvements includes:			
Capturing value stream	Capturing value stream improvements includes:			
improvements	revised contractual arrangementsrevised specifications			
Improvements	revised specificationssigned agreements			
	 other documented arrangements which formalize the 			
	raised base line			
Systems impacting	Systems which impact/are impacted on improvements and the			
, ,	The state of the s			

Page 46 of 51	Ministry of Education Copyright	Bamboo Processing and Marketing Management Ethiopia Occupational Standard	Version 1 April 2011	
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improvements	improvement system include: office purchasing rewards (individual or team at all levels) sales marketing maintenance
	process/producttransport and logistics
Organizational knowledge	Organizational knowledge should: • be able to be quantified or otherwise modified to make its outcomes measurable or observable • be able to be expressed in an accessible and distributable form appropriate to the organization operations and stakeholders
Improvements	 Improvements may: be to process, plant, procedures or practice include changes to ensure positive benefits to stakeholders are maintained
Manager	 Manager may include: any person who may have either a permanent or an ad hoc role in facilitating the function of multiple teams in a workplace, departments or entire organizations

Evidence Guide	Evidence Guide			
Critical Aspects of Competence	 A person who demonstrates competency in this unit must be able to provide evidence of the ability to: critically review current continuous improvement processes establish ongoing review of continuous improvement processes implement improvements in the practice of continuous improvement better align internal and external systems gather data through interviews with stakeholders review existing data obtain additional data through a variety of techniques communicate and negotiate at all levels within the organization 			
Underpinning Knowledge and Attitudes	Demonstrates knowledge of: competitive systems and practices tools, including: value stream mapping 5S Just in Time (JIT) mistake proofing process mapping establishing customer pull			

- kaizen and kaizen blitz
- setting of KPIs/metrics
- identification and elimination of waste (muda)
- continuous improvement processes including implementation, monitoring and evaluation strategies for a whole organization and its value stream
- difference between breakthrough improvement and continuous improvement
- organizational goals, processes and structure
- approval processes within organization
- cost/benefit analysis methods
- methods of determining the impact of a change
- advantages and disadvantages of communication media, methods and formats for different messages and audiences
- customer perception of value
- define, measure, analyze, improve, and control and sustain (DMAIC) process

Underpinning Skills

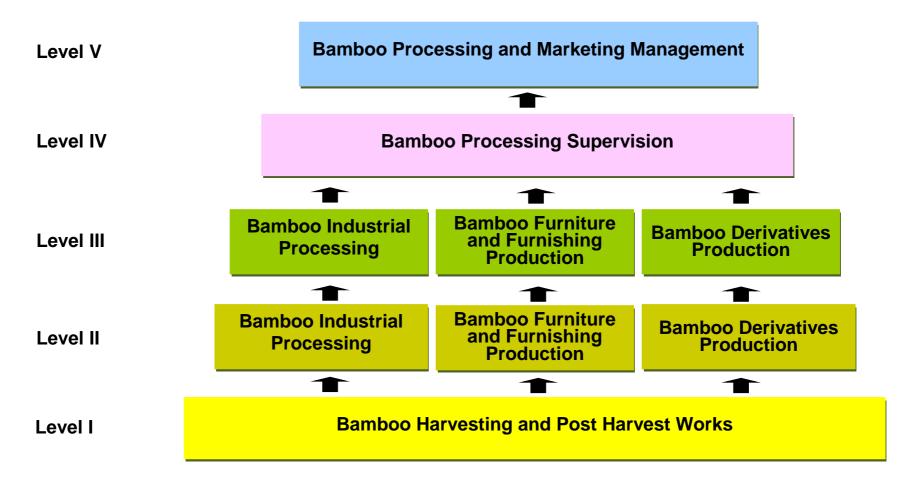
Demonstrates skills to:

- undertaking self-directed problem solving and decisionmaking on issues of a broad and/or highly specialized nature and in highly varied and/or highly specialized contexts
- communicating at all levels in the organization and value stream and to audiences of different levels of literacy and numeracy
- analyzing current state/situation of the organization and value stream
- determining and implementing the most appropriate method for capturing value stream improvements
- collecting and interpreting data and qualitative information from a variety of sources
- analyzing individually and collectively the implementation of competitive systems and practices tools in the organization and determining strategies for improved implementation
- relating implementation and use of competitive systems and practices and continuous improvement to customer benefit
- solving highly varied and highly specialized problems related to competitive systems and practices implementation and continuous improvement to root cause
- negotiating with stakeholders, where required, to obtain information required for implementation and refinement of continuous improvements, including management, unions, value stream members, employees and members of the community
- reviewing relevant metrics, including all those measures which might be used to determine the performance of the improvement system, including:
 - key performance indicators (KPIs) for existing processes

Resources Implication	 quality statistics delivery timing and quantity statistics process/equipment reliability ('uptime') incident and non-conformance reports implementing continuous improvement to support systems and areas, including maintenance, office, training and human resources Access may be required to: workplace procedures and plans relevant to work area specifications and documentation relating to planned, currently being implemented, or implemented changes to work processes and procedures relevant to the assessee documentation and information in relation to production, waste, overheads and hazard control/management reports from supervisors/managers case studies and scenarios to assess responses to contingencies
Methods of Assessment	Competence in this unit may be assessed by using a combination of the following to generate evidence: • demonstration in the workplace • suitable simulation • oral or written questioning to assess knowledge of principles and techniques associated with change management In all cases it is expected that practical assessment will be combined with targeted questioning to assess underpinning knowledge
Context of Assessment	Assessment of performance must be undertaken in a workplace using or implementing one or more competitive systems and practices.

Sector: Industry Development

Sub-Sector: Bamboo and Craft Production



Page 50 of 51	Ministry of Education	Bamboo Processing and Marketing Management	Version 1
	Copyright	Ethiopia Occupational Standard	April 2011

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