

Framework for Greening the Philippine TVET System

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Green Technology Center

a TVET greening hub

The GTC recommends policies and causes the development, implementation and promotion of models, programs and standards towards quality green TVET practices.



FRAMEWORK FOR GREENING THE PHILIPPINE TVET SYSTEM





Green Jobs/ Skills

- Identification and Prioritization of Qualifications
- Green Labor Market Report
- Skills Needs Anticipation Survey

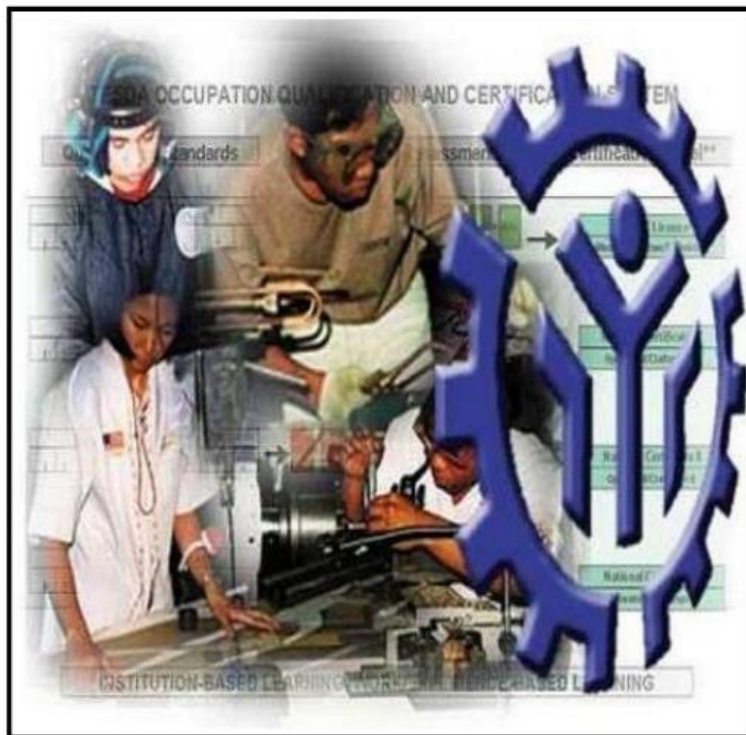
Green Competency Standards/ Green Training Regulations



- 1. Development of Competency Standards and Training Regulations**
- 2. Updating of Training Regulations**

TRAINING REGULATIONS

AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III



AGRICULTURE, FORESTRY AND FISHERY SECTOR

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY
East Service Road, South Luzon Expressway (SLEX), Taguig City, Metro Manila

TRAINING REGULATIONS FOR AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III

Section 1 AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III QUALIFICATION

The AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III Qualification consists of competencies that a person must achieve to diagnose and repair electrical systems, engine system, axle system, hydraulic system and transmission system of 4 – wheel drive tractor. It includes competencies on practicing safety measures and waste management. This may be performed by a team of technical personnel or with one or more assistants working with the lead technical personnel.

This Qualification is packaged from the competency map of the Agri-Fishery Sector as shown in Annex A.

The units of competency comprising this qualification includes the following:

Code	BASIC COMPETENCIES
400311319	Lead workplace communication
400311320	Lead small teams
400311321	Apply critical thinking and problem-solving techniques in the workplace
400311322	Work in a diverse environment
400311323	Propose methods of applying learning and innovation in the organization
400311324	Use information systematically
400311325	Evaluate occupational safety and health work practices
400311326	Evaluate environmental work practices
400311327	Facilitate entrepreneurial skills for micro-small-medium enterprises (MSMEs)

Code	COMMON COMPETENCIES
AFF321201	Apply safety measures in farm operations
AFF321202	Use farm servicing tools and equipment
AFF321203	Perform estimation and calculations
AFF321205	Process farm wastes
SOC 413206	Maintain service records
AFF 723201	Conduct Diagnosis
AFF 723202	Perform Shop Maintenance

Code	CORE COMPETENCIES
AFF 723303	Diagnose and Repair Electrical Systems of 4-Wheel Tractor
AFF 723304	Diagnose and Repair Engine System of 4-Wheel Tractor
AFF 723305	Diagnose and Repair Axle System of 4-Wheel Tractor
AFF 723306	Diagnose and Repair Hydraulic System of 4-Wheel Tractor
AFF 723307	Diagnose and Repair Transmission System of 4-Wheel Tractor

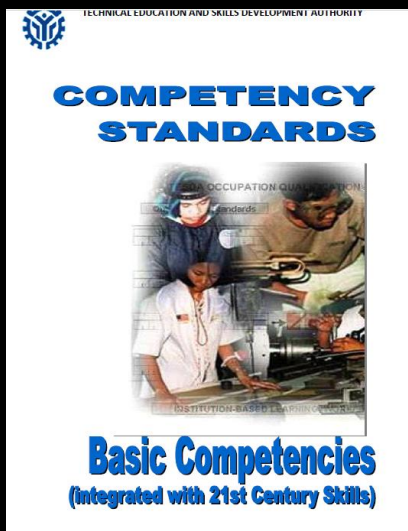
A person who has achieved this Qualification is competent to be:

- 4-Wheel Tractor Mechanic
- Senior Mechanic
- 4-Wheel Tractor Servicing Personnel

Green Policies



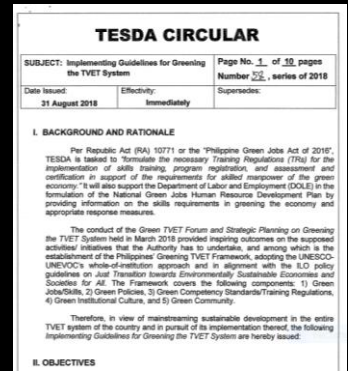
- Institutionalization of Module on Environmental Literacy in the Basic Competency;



- TESDA Circular on Greening the TVET System;

- Issuances of Memoranda on Solid Waste Management

- Development and Inclusion of the Program Learning Outcomes on Sustainable Development in PQF Level 5 (Diploma) Programs



Diploma Program Learning Outcome No. 5

- Understand the impact of technology solutions in a societal and environmental context, and demonstrate knowledge of and need for sustainable development;

(Combination of PQF Level 5 Descriptors and Sydney Accord)

PERFORMANCE INDICATOR 1. Demonstrate understanding of positive and negative impacts of technology-related solutions on society and the environment.

PERFORMANCE INDICATOR 2. Demonstrate positive social and ethical behavior when dealing with technology-based problems relevant to the field of specialization.

PERFORMANCE INDICATOR 3. Demonstrate understanding of sustainable development in the context of science, mathematics and technology.

PERFORMANCE INDICATOR 4. Implement appropriate procedures, processes, systems and methodologies with high regard to the need for sustainability relevant to the field of specialization.

PERFORMANCE INDICATOR 5. Evaluate the social and environmental impacts of technology solutions relevant to the field of specialization.



Green Culture

Personal and Institutional Commitment to
Green TVET practices

Green Institutional Culture



Converted the Greening the TVET System Framework into an Evaluation Checklist

- Green Jobs/Skills (30 points)
- Green Policies (40 points)
- Green Competency Standards/ Training Regulations (35 points)
- Green Institutional Culture (100 points)
- Green Community (35 points)





Exhibits and Learning Sessions



PARTNERSHIPS

International Partners

- International Labor Organization
- GIZ
- Colombo Plan Staff College
- UNESCO

Local Agencies and Organizations

- Climate Change Commission
- Federation of Filipino-Chinese Chamber of Commerce and Industry, Inc. (FFCCCII)
- Manila Waters
- DENR
- Department of Agriculture
- Department of Science and Technology

Maraming Salamat!!!
(Thank you!!!)