TESDA CIRCULAR

SUBJECT:	Implementing Guidelines on the Deployment of Competency Standards (CS) for Machine Learning Model Validation and Testing Level III	Page 1 of 4 pages Number 027 series of 2025
Date Issued: FEB 18 2025	Effectivity: Immediately	Supersedes:

In the interest of the service and to provide quality and uniform program delivery, the following Guidelines in the deployment of the Competency Standards (CS) for **Machine Learning Model Validation and Testing Level III** are hereby issued:

I. BACKGROUND/LEGAL BASIS

A. The TESDA Act of 1994 (Republic Act No. 7796) defined TESDA as the authority in the "establishment and administration of National Trade Skills Standards (NTSS)." The NTSS eventually evolved into the present-day training regulations (TRs) following the reforms instituted by the agency for the country's TVET, particularly along competency-based, education and training. As such, TESDA is mandated by law to develop and update the competence of the country's industry workers to enhance their employability and ensure long-term economic development.

B. TESDA Circular no. 009 s 2024 on Implementing Guidelines on Adopt-Adapt Strategies for Competency Standards/ Training Review and Development states that the adopt and adapt strategy allows the faster development of standards, and strengthens the quality assurance mechanisms for immediate program delivery. It focuses on the skills needs as characterized by the industries/employers in the area. Industry participation and, thus, a direct relationship, is established with these industry partners keeping TESDA informed on the workforce needs and development;

C. Furthermore, the same TESDA Circular states that the implementation of the adopt-adapt mechanism ensures the development of competency standards that are acknowledged/recognized at the national/local, regional, and global levels. This would be crucial in providing valuable support to the emerging needs of the industries and catering to the needs of the workforce for it to become workplace-ready;

D. In collaboration with the Qualifications and Standards Office (QSO), the abovementioned Competency Standards (CS) was developed by the StackTrek Enterprise Inc. and was validated with various stakeholders and the National Industry TVET Board (ITB) for AI and Analytics, the Analytics and Artificial Intelligence (AI) Association of the Philippines (AAP).

E. Through the TESDA Circular no. 009 s 2024 on Implementing Guidelines on Adopt- Adapt Strategies for Competency Standards/ Training Review and Development, TESDA has adopted the Competency Standards developed by StackTrek Enterprise Inc. for this qualification.

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II. OBJECTIVES

A. To immediately respond to the industry skills requirements machine learning model validation and testing with the goal to produce competent individuals equipped with 21st Century Skills and compliant with the existing industry standards and practices;

B. To ensure that the education and training providers shall deliver the programs in accordance with the abovementioned CS as required by the logistics sector.

III. SCOPE/COVERAGE

This CS shall be the basis for the development of the Competency-based Curriculum (CBC) which shall be submitted by the education and training providers registering the program with the TESDA Provincial/District Offices.

IV. IMPLEMENTATION MECHANICS

A. Utilization of the Developed CS

1. To ensure utilization of this CS, all Regional/Provincial/District Directors shall immediately advocate/encourage the registration of abovementioned program; and

2. Copy of the CS will be made available and can be downloaded from the TESDA website.

B. Program Registration

1. All Regional/Provincial/District Directors are hereby instructed to process applications for program registration as "No Training Regulations" (NTR) following the Omnibus Guidelines on Technical Vocational Education and Training (TVET) Program Registration (TESDA Circular No. 107 series of 2021) and within the allowable process cycle time (PCT) of three (3) working days indicated in the existing guidelines (TESDA Circular No. 073, Series of 2019). Further, the education and training providers shall develop and submit the competency-based curriculum with number of training hours and appropriate lists of tools, materials, equipment and facilities for training and assessment.

2. To standardize the program implementation and ensure that they are in accordance with the CS, the Qualifications and Standards Office (QSO) and Regional and Provincial/District Offices (ROPODO) shall assist in the development of the Competency-Based Curriculum (CBC).

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3. The following codes shall be applied for this CS:

Qualification Title	Machine Learning Model Validation and Testing Level III
Qualification Code	CS-ICTMVT325

Unit Code	Unit Title
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)
Common Competencies	
ICT315202	Apply quality standards
ICT311203	Perform computer operations
CS- ICT252101	Ensure compliance with data privacy and ethics
Core Competencies	
CS-ICT251103	Identify machine learning model validation principles
CS-ICT251104	Apply machine learning model validation techniques
CS-ICT251105	Conduct machine learning model testing
CS-ICT251106	Document machine learning model validation results

C. Institutional Assessment of Graduates

1. The education and training providers shall ensure the conduct of institutional assessment after the completion of the training program; and

2. The education and training providers (including the enterprises where trainings are conducted) shall issue the Training Certificate after completion of the training and passing the institutional assessment of graduates.

V. SCHOLARSHIP PROVISION

1. A scholarship training subsidy shall be allocated/provided to enrollees of the registered training program under the existing guidelines; and

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2. Training cost shall be computed based on the submitted curriculum where the training hours and list of tools, materials and equipment are indicated.

VI. RISK MANAGEMENT

The wide implementation of this program has potential risks, such as but not limited to the following:

1. Standard implementation of competency standard across all regions.
2. Limited number of registered training providers to offer CS.
3. Non-existence of policy to address the migration of No Training Regulations (NTR) programs to NTR with Competency Standards (CS)

To mitigate, if not eliminate the risks, the following measures shall be undertaken.

1. Deploy the competency standards and its implementing guidelines for common understanding and uniform implementation.
2. For the Regional and Provincial/District Offices (ROPODO) to extensively encourage providers to utilize the CS for program registration.
3. To discuss with relevant offices on the development of policy on migrating NTR programs with developed CS.

VII. MONITORING AND FEEDBACK SYSTEM

1. The Regional and Provincial/District Offices (ROPODO) shall closely monitor the implementation of the registered programs under these CS; and

2. The Regional and Provincial/District Offices (ROPODO) shall require the education and training providers with registered program under this CS to report the enrolled, graduates and employed in the T2MIS as part of the regular monitoring and feedback system.

VIII. EFFECTIVITY

This Circular shall take effect as indicated. Wide dissemination of this Circular by all concerned is hereby enjoined.

JOSE FRANCISCO "KIKO" B. BENITEZ
Secretary/Director General, TESDA