Lifelong Learning and the Philippines Qualifications Framework

Irene Isaac
Deputy Director General
Technical Education and Skills Development Authority
The Philippines
Elementary

Six (6) Years

K
One (1) Year

Secondary

Four (4) Years Junior HS +
Two (2) Years Senior HS +
TESD Specialization (NC I
and NC II) + Arts & Sports

Tertiary

Technical
Education
and Skills
Development

Baccalaureate, Post-
Baccalaureate, Post-
Doctoral/ Specialization
His Excellency Benigno S. Aquino III, President of the Republic of the Philippines, signed the Executive Order No. 83 dated October 1, 2012 entitled

INSTITUTIONALIZATION OF THE PHILIPPINE QUALIFICATIONS FRAMEWORK
• To adopt national standards and levels of educational outcomes

• To support the development and maintenance of pathways and equivalencies

• To align Philippine qualifications with international qualifications
The PQF National Coordinating Committee

Secretary of Education – Chairman

Members:
Chairman of the Commission on Higher Education
Director General of the Technical Education and Skills Development Authority
Secretary of Labor and Employment
Chairman of the Professional Regulation Commission
Section 6. Learning Standards

• DepEd, TESDA and CHED shall make detailed descriptors of each qualification level based on learning standards in basic education, competency standards or training regulations, and the policies and standards of higher education academic programs. They shall jointly implement national pilot programs to determine its relevance and applicability in all levels of education.
DepEd, TESDA and CHED shall make detailed descriptors of each qualification level based on learning standards in basic education, competency standards and training regulations (in TVET) and the policies and standards of higher education programs. They shall jointly implement national pilot programs to determine its relevance and applicability in all levels of education.
THE PHL QUALIFICATIONS FRAMEWORK

WAGE EMPLOYMENT/ENTREPRENEURSHIP/SELF-EMPLOYMENT

BASIC EDUCATION

TECHNICAL EDUCATION AND SKILLS DEVELOPMENT

HIGHER EDUCATION

LEVEL

L8
L7
L6
L5
L4
L3
L2
L1

DOCTORAL AND POST BACCALAUREATE

DIPLOMA
NC IV
NC III

GRADE 12
NC II

GRADE 10
NC I

LIFELONG LEARNING
RECOGNITION OF PRIOR LEARNING
EQUIVALENCY
ASSESSMENT AND CERTIFICATION
<table>
<thead>
<tr>
<th>LEVEL</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Knowledge and skills that are manual or concrete or practical and/or operational in focus.</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Applied in activities that are set in a limited range of highly familiar and predictable contexts; involve straightforward, routine issues which are addressed by following set rules, guidelines or procedures.</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>In conditions where there is very close support, guidance or supervision; minimum judgment or discretion is needed.</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>NATIONAL CERTIFICATE I</td>
</tr>
<tr>
<td>LEVEL</td>
<td>2</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------------------------------------------------------</td>
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<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Knowledge and skills that are manual, practical and/or operational in focus with a variety of options.</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Applied in activities that are set in a range of familiar and predictable contexts; involve routine issues which are identified and addressed by selecting from and following a number of set rules, guidelines or procedures.</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>In conditions where there is substantial support, guidance or supervision; limited judgment or discretion is needed.</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>NATIONAL CERTIFICATE II</td>
</tr>
<tr>
<td>LEVEL</td>
<td>3</td>
</tr>
<tr>
<td>-------------------------------</td>
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</tr>
<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Knowledge and skills that are a balance of theoretical and/or technical and practical. Work involves understanding the work process, contributing to problem solving, and making decisions to determine the process, equipment and materials to be used.</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Applied in activities that are set in contexts with some unfamiliar or unpredictable aspects; involve routine and non-routine issues which are identified and addressed by interpreting and/or applying established guidelines or procedures with some variations.</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>Application at this level may involve individual responsibility or autonomy, and/or may involve some responsibility for others. Participation in teams including team or group coordination may be involved.</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>NATIONAL CERTIFICATE III</td>
</tr>
<tr>
<td>LEVEL</td>
<td>4</td>
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<tr>
<td>---------------------------</td>
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</tr>
<tr>
<td><strong>KNOWLEDGE, SKILLS AND VALUES</strong></td>
<td>Knowledge and skills that are mainly theoretical and/or abstract with significant depth in one or more areas; contributing to technical solutions of a non-routine or contingency nature; evaluation and analysis of current practices and the development of new criteria and procedures.</td>
</tr>
<tr>
<td><strong>APPLICATION</strong></td>
<td>Applied in activities that are set in range of contexts, most of which involve a number of unfamiliar and/or unpredictable aspects; involve largely non-routine issues which are addressed using guidelines or procedures which require interpretation and/or adaptation.</td>
</tr>
<tr>
<td><strong>DEGREE OF INDEPENDENCE</strong></td>
<td>Work involves some leadership and guidance when organizing activities of self and others</td>
</tr>
<tr>
<td><strong>QUALIFICATION TYPE</strong></td>
<td>NATIONAL CERTIFICATE IV</td>
</tr>
<tr>
<td>LEVEL</td>
<td>5</td>
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<tr>
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</tr>
<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Knowledge and skills that are mainly theoretical and/or abstract with significant depth in some areas together with wide-ranging, specialized technical, creative and conceptual skills. Perform work activities demonstrating breadth, depth and complexity in the planning and initiation of alternative approaches to skills and knowledge applications across a broad range of technical and/or management requirements, evaluation and coordination.</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Applied in activities that are supervisory, complex and non-routine which require an extensive interpretation and/or adaptation/innovation.</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>In conditions where there is broad guidance and direction, where judgment is required in planning and selecting appropriate equipment, services and techniques for self and others. Undertake work involving participation in the development of strategic initiatives, as well as personal responsibility and autonomy in performing complex technical operations or organizing others.</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>DIPLOMA</td>
</tr>
<tr>
<td>LEVEL</td>
<td>6</td>
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<tr>
<td>-------------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Graduates at this level have broad and coherent knowledge and skills in their field of study for professional work and lifelong learning</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Application in professional work or research in a specialized field of discipline and/or for further study</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>Independent and /or in teams of related field with minimal supervision</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>Baccalaureate Degree</td>
</tr>
<tr>
<td>LEVEL</td>
<td>7</td>
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<tr>
<td>-----------------------------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>KNOWLEDGE, SKILLS AND VALUES</td>
<td>Graduates at this level have advanced knowledge and skills in specialized or multidisciplinary field of study for professional practice or self-directed research</td>
</tr>
<tr>
<td>APPLICATION</td>
<td>Applied in professional work that requires leadership and management in a specialized or multidisciplinary professional work, research and/or for further study</td>
</tr>
<tr>
<td>DEGREE OF INDEPENDENCE</td>
<td>Independent and or in teams of multidisciplinary field with very minimal supervision</td>
</tr>
<tr>
<td>QUALIFICATION TYPE</td>
<td>Post-Baccalaureate Program</td>
</tr>
<tr>
<td>LEVEL</td>
<td>KNOWLEDGE, SKILLS &amp; VALUES</td>
</tr>
<tr>
<td>-------------------------------</td>
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</tr>
<tr>
<td>8</td>
<td>Graduates at this level have highly advanced systematic knowledge and skills in very specialized or complex multidisciplinary field of learning for multifaceted research or professional practice or for the advancement of learning</td>
</tr>
</tbody>
</table>
Technical Working Groups

TWG for Qualifications Register
Chair: TESDA

TWG for Pathways and Equivalencies
Chair: CHED

TWG for Quality Assurance
Chair: CHED

TWG for Information and Guidelines
Chair: DepED

TWG for International Alignment
Chair: PRC
Lifelong Learning

Recognition Programs

• Alternative Learning Systems
• Philippine Education Placement Test
• Competency Assessment and Certification
• Expanded Tertiary Education and Accreditation Program
• Ladderization Program
NATIONAL CERTIFICATE II
in
CONSUMER ELECTRONICS SERVICING
is awarded to
JUAN A. DE LA CRUZ
for having completed the competency requirements under the Philippine TVET Qualification and Certification System in the following units of competency:

Unit Code | Unit Code
----------|----------
S00311015 | S00311015
S00311016 | S00311016
S00311017 | S00311017
S00311018 | S00311018

Common Units of Competency:
- Use Hand Tools
- Prepare and Integrate Technical Drawing
- Perform Computer Operations
- Terminal and Control Electrical Wiring and Electronic Circuits

Certificate No. 08131602999
Issued on: February 14, 2008
Valid until: February 14, 2013

SECRETARY AUGUSTO BOBOY SYJUCO
Director General

CERTIFICATE OF COMPETENCY
This is to certify that
JUAN A. DE LA CRUZ
has been assessed under the Philippine TVET Qualification and Certification System and has shown competence in the following units of competency:

Unit Code | Unit Code
----------|----------
E00011001 | E00011004
E00011005 | E00011008
E00011007 | E00011010
E00011009 | E00011012

Common Units of Competency:
- Use Hand Tools
- Prepare and Integrate Technical Drawing
- Perform Computer Operations
- Terminal and Control Electrical Wiring and Electronic Circuits

Certificate No. 08131602999
Issued on: February 14, 2008
Valid until: February 14, 2013

SECRETARY AUGUSTO BOBOY SYJUCO
Director General
Competency Standards

Example of Package of Competencies

Qualification Title: Masonry NCII

Basic competencies
• Participate in workplace communication
• Work in a team environment
• Practice career professionalism
• Practice occupational health and safety procedures

Common competencies
• Prepare construction materials and tools
• Observe procedures, specifications and manuals of instruction
• Perform mensurations and calculations
• Maintain tools and equipment

Core competencies
• Prepare masonry materials
• Perform basic masonry works
• Lay brick/block for structure
• Plaster wall surface
• Install pre-cast ballusters and handrail
COMPETENCY STANDARDS

- refers to industry-determined specifications of competencies required for effective work performance. It is:

- composed of individual competency unit
- focused on workplace activity rather than training or personal attributes
- defined as the ability to apply skills in new situations and changing work organizations.
Construct vertical and horizontal infrastructures

- Construct residential, low and high-rise buildings, ports, dams, bridges, tunnels, roads, and industrial plants
- Maintain construction equipment

- Perform electrical works
- Perform electro-mechanical works
- Perform civil works
- Operate heavy equipment
- Perform plumbing works
- Perform welding works

Maintain construction equipment

- Prepare masonry materials
- Prepare tools, painting materials and equipment
- Prepare surface for painting
- Perform painting work
- Estimate painting requirements
- Perform tinting / mixing of paint
- Perform re-touching / re-painting work

- Stake-out building lines
- Fabricate form works
- Install form work components
- Strip form work
- Install framing work
- Install architectural ceiling, wall sheaths / panels / boards and floor finishes
- Fabricate / install door / window jambs and panels
- Install stair components and / or pre-fabricated stair assembly
- Install built-in and / or pre-fabricated cabinet
- Prepare tools, painting materials and equipment
- Prepare surface for painting
- Perform painting work
- Estimate painting requirements
- Perform tinting / mixing of paint
- Perform re-touching / re-painting work

- Service engine system I
- Service power train system I
- Service hydraulic system I
- Service undercarriage system I
- Service engine system II
- Service power train system II
- Service hydraulic system II
- Service undercarriage system II
- Service engine and related components III
- Service power train components III
- Service hydraulic components III
- Service electrical system
- Service electrical components
- Service electronic components
<table>
<thead>
<tr>
<th>JOB TITLES</th>
<th>Unit of Competency (Individual Work Function)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painter</td>
<td>Prepare tools, painting materials and equipment</td>
</tr>
<tr>
<td></td>
<td>Perform re-touching / re-painting work</td>
</tr>
<tr>
<td></td>
<td>Prepare surface for painting</td>
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<tr>
<td></td>
<td>Perform painting work</td>
</tr>
<tr>
<td></td>
<td>Estimate painting requirements</td>
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<td></td>
<td>Perform tinting / mixing of paint</td>
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<tr>
<td>Mason</td>
<td>Prepare masonry materials</td>
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<tr>
<td></td>
<td>Perform basic masonry work</td>
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<tr>
<td></td>
<td>Lay bricks / blocks for structure</td>
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<tr>
<td></td>
<td>Plaster wall surface</td>
</tr>
<tr>
<td></td>
<td>Install pre-cast baluster and handrail</td>
</tr>
<tr>
<td></td>
<td>Apply special cement finishes to concrete and masonry surface</td>
</tr>
<tr>
<td></td>
<td>Repair defective concrete and masonry surface</td>
</tr>
<tr>
<td>Plumber</td>
<td>Prepare pipes for installation</td>
</tr>
<tr>
<td></td>
<td>Perform piping joints and connections</td>
</tr>
<tr>
<td></td>
<td>Perform minor construction work</td>
</tr>
<tr>
<td></td>
<td>Perform single unit plumbing installation and assemblies</td>
</tr>
<tr>
<td></td>
<td>Perform plumbing repair and maintenance work</td>
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<td></td>
<td>Conduct pipe leak testing</td>
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<td></td>
<td>Perform complex and multi-storey plumbing installation and assemblies</td>
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<tr>
<td></td>
<td>Install hot and potable chilled water piping system</td>
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<tr>
<td></td>
<td>Draft plumbing design</td>
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<tr>
<td>Carpenter</td>
<td>Stake-out building lines</td>
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<tr>
<td></td>
<td>Fabricate form works</td>
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<tr>
<td></td>
<td>Install form work components</td>
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<tr>
<td></td>
<td>Strip form work</td>
</tr>
<tr>
<td></td>
<td>Install framing work</td>
</tr>
<tr>
<td></td>
<td>Install architectural ceiling, wall sheaths / panels / boards and floor finishes</td>
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<tr>
<td></td>
<td>Fabricate / install door / window jambs and panels</td>
</tr>
<tr>
<td></td>
<td>Install stair components and / or pre-fabricated stairs assembly</td>
</tr>
<tr>
<td></td>
<td>Install built-in and / or pre-fabricated cabinet</td>
</tr>
<tr>
<td>Heavy</td>
<td>Perform pre- and post checking procedures</td>
</tr>
<tr>
<td>equipment operator</td>
<td>Perform productive operation</td>
</tr>
<tr>
<td></td>
<td>Perform basic preventive maintenance servicing</td>
</tr>
<tr>
<td>Heavy</td>
<td>Service engine system (I)</td>
</tr>
<tr>
<td>equipment servicing (mechanic)</td>
<td>Service power train system (I)</td>
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<tr>
<td></td>
<td>Service hydraulic system (I)</td>
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<tr>
<td></td>
<td>Service undercarriage system (I)</td>
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<td></td>
<td>Service engine system (II)</td>
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<tr>
<td></td>
<td>Service power train system (II)</td>
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<tr>
<td></td>
<td>Service hydraulic system (II)</td>
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<tr>
<td></td>
<td>Service undercarriage system (II)</td>
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<tr>
<td></td>
<td>Service engine and related components (III)</td>
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<tr>
<td></td>
<td>Service power train components (III)</td>
</tr>
<tr>
<td></td>
<td>Service hydraulic components (NC III)</td>
</tr>
<tr>
<td>Rigger</td>
<td>Inspect rigging gears</td>
</tr>
<tr>
<td></td>
<td>Install rigging gears</td>
</tr>
<tr>
<td></td>
<td>Assist crane operator</td>
</tr>
<tr>
<td>Screed operator</td>
<td>Perform pre- and post operation checking procedure for screed</td>
</tr>
<tr>
<td></td>
<td>Monitor and support asphalt overlaying</td>
</tr>
<tr>
<td>QUALIFICATION</td>
<td>COMPONENT OF COMPETENCY</td>
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<tr>
<td>---------------</td>
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</tr>
<tr>
<td></td>
<td>CORE</td>
</tr>
<tr>
<td>Masonry NC I</td>
<td>Prepare masonry materials</td>
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<tr>
<td></td>
<td>Perform basic masonry work</td>
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<tr>
<td>Masonry NC II</td>
<td>Prepare masonry materials</td>
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<tr>
<td></td>
<td>Perform basic masonry work</td>
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<tr>
<td></td>
<td>Lay bricks / blocks for structure</td>
</tr>
<tr>
<td></td>
<td>Plaster concrete / masonry surface</td>
</tr>
<tr>
<td></td>
<td>Install pre-cast baluster and handrail</td>
</tr>
<tr>
<td>Masonry NC III</td>
<td>Prepare masonry materials</td>
</tr>
<tr>
<td></td>
<td>Perform basic masonry work</td>
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<td></td>
<td>Repair defective concrete and masonry surface</td>
</tr>
</tbody>
</table>
Competency Clusters

Competency Cluster
- A set of all the basic, common and some core units of competency that does not lead to a full qualification
- Can be assessed independently and combined flexibly with other units
- Leads to a job
- Prescribed by industry
Competency Clusters

A person who demonstrates the competencies for a competency cluster is awarded a Certificate of Competency.
Competency Clusters

Example of Competency Clusters

Masonry NC II

Basic competencies
• Participate in workplace communication
• Work in a team environment
• Practice career professionalism
• Practice occupational health and safety procedures

Common competencies
• Prepare construction materials and tools
• Observe procedures, specifications and manuals of instruction
• Perform mensurations and calculations
• Maintain tools and equipment

Core competencies
• Prepare masonry materials
• Perform basic masonry works
• Lay brick/block for structure

Core competencies
• Prepare masonry materials
• Perform basic masonry works
• Plaster wall surface

Core competencies
• Prepare masonry materials
• Perform basic masonry works
• Install pre-cast ballusters and handrail
ASSESSMENT & CERTIFICATION PROCESS

APPLICATION

SECURE LIST OF REQUIREMENTS AT TESDA
SUBMIT REQUIREMENTS AT ANY TESDA-ACCREDITED ASSESSMENT CENTER

SCHEDULING

ASK PROCESSING OFFICER FOR:
SCHEDULE OF EXAMINATION & GET ADMISSION SLIP

CERTIFICATION

COC

IF PASSED CLAIM CERTIFICATE FROM TESDA

NC

REPORTING

RWAC

ASSESSMENT

•EVIDENCE GATHERING
  Demonstration
  Questioning
  Interview
  Written
  Portfolio
  Observation

IF NOT YET COMPETENT
REAPPLY FOR RETAKE OR REASSESSMENT OR RE-TRAINING
Training Delivery Systems

Formal School-based

Enterprise-based

Community-based

CS
235 packages of competencies promulgated and published can be accumulated vertically or horizontally. Packages are called Training Regulations. Available at www.tesda.gov.ph.
QUALITY ASSURED PHILIPPINE TECHNICAL EDUCATION SYSTEM

Development Plans/Government Policies and Priorities/Public Investment

Stakeholders Consultation

Development of Competency Standards and Program Standards

Development of Assessment Standards

Development of Assessment Instrument

Program Registration under UTPRAS

Training Delivery

Competency Assessment

Recognition of Prior Learning/ Equivalency Scheme/Lifelong Learning

Recognition of Prior Learning/ Equivalency Scheme/Lifelong Learning

UTPRAS

PTQCS

Basic Education Graduates

Higher Education Graduates

Disadvantaged Groups/Informal Sector

Early School Leavers (Dropouts)

Wage/Self-Employed Workers

Promotion of Technical Education

EMPLOYMENT and PRODUCTIVITY ENHANCEMENT

MANAGEMENT OF THE TECHNICAL EDUCATION SYSTEM

Program Accreditation within the Philippine TE Quality Awards

Platinum Award

Gold Award

Silver Award

Bronze Award

Incentives

Development of Curriculum Framework and Learning Package Exemplars

Award of National Certificate

Award of Certificate of Competency

Incentives

Recognition of Prior Learning/Equivalency Scheme/Lifelong Learning