Republic of the Philippines
TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY
East Service Road, South Superhighway, Taguig City

100th TESDA BOARD MEETING
18 December 2017, Monday, 2:00 p.m.
7/F TESDA Board Room, Office of the Chair
TESDA Complex, South Superhighway, Taguig City

Resolution No. 2017- 51
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APPROVING THE AMENDMENT OF THE TRAINING REGULATIONS FOR TRANSMISSION LINE INSTALLATION AND MAINTENANCE NC II, TRANSMISSION LINE INSTALLATION AND MAINTENANCE NC III & TRANSMISSION LINE INSTALLATION AND MAINTENANCE NC IV

WHEREAS, TESDA Board Resolution No. 2007-44 was issued approving the prioritization of nine (9) qualification titles for training regulations (TR) development for year 2008 which include the Transmission Line Installation & Maintenance NC II, Transmission Line Installation & Maintenance NC III and Transmission Line Installation & Maintenance NC IV last 22 November 2007 during the 58th TESDA Board Meeting;

WHEREAS, TESDA Board Resolution No. 2008-35 was issued approving and promulgating the Training Regulations for Transmission Line Installation and Maintenance NC II and NC III last 18 December 2008 during the 67th TESDA Board Meeting;

WHEREAS, it is the policy of TESDA to review after five (5) years any Training Regulations (TRs) promulgated by the TESDA Board;

WHEREAS, the National Grid Corporation of the Philippines (NGCP) has signed a Memorandum of Agreement (MOA) with TESDA in its desire to review and upgrade the existing TRs and Competency Assessment Tools in relation to the Transmission Line Installation and Maintenance qualifications. As such, NGCP needs successive training and certification programs to have a pool of trained, competent, certified and ready manpower from which the corporation may recruit to replace outgoing transmission line personnel;

WHEREAS, the NGCP Expert Panels, with the assistance of the Qualifications and Standards Office (QSO) of TESDA, have recommended the amendment of the existing Training Regulations for Transmission Line Installation and Maintenance qualifications following current industry labor demand and practices;

WHEREAS, during the 28th Joint Standards-Setting and Systems Development (SSSD) and Finance Committee - TESDA Board-TESDA Secretariat Consultation Meeting held on 28 November 2017, the Committee favorably endorsed the amendments of the above-mentioned Training Regulations for Transmission Line Installation and Maintenance qualifications as follows:

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Qualification Title	
Transmission Line Installation and Maintenance NC II	Transmission Line Installation and Maintenance NC II
Job Title	
• Transmission Lineman	• Transmission Lineman
Section 1 - Definition of the Qualification	
The Transmission Line Installation and Maintenance NC II Qualification consists of competencies that a person must possess to erect transmission line poles, perform overhead transmission line work, perform cold-, live- and ground-line maintenance works and install emergency restoration structure (ERS)	The Transmission Line Installation and Maintenance NC II Qualification consist of competencies that a person must achieve to enable him/her to perform required competencies of a transmission lineman in inspection and performance of transmission line works on 69 KV and below.
Section 1- Units of Competency	
Basic Competencies (Prescribed competencies for NC II)	Basic Competencies (No amendments on prescribed competencies for NC II)
Common Competencies (Prescribed competencies for NC II)	Common Competencies Same prescribed competencies for NC II with additional unit of competency – • Perform computer operations
Core Competencies 1. Perform transmission line pole erection 2. Perform construction of overhead transmission line 3. Perform cold-line maintenance work 4. Perform live-line maintenance work 5. Perform ground line maintenance work 6. Install emergency restoration structure (ERS)	Core Competencies 1. Inspect transmission line, poles, towers and appurtenances 2. Perform overhead maintenance works 3. Perform ground transmission line works

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 2 - Competency Standards Updates/Changes were made consistent with the proposed amendments on Basic, Common and Core Competencies.	
Section 3 - Training Standards	
3.1 Curriculum Design	
Nominal Training Duration	
18 hrs – Basic Competencies 48 hrs – Common Competencies 580 hrs – Core Competencies **646 hrs - Total**	24 hrs – Basic Competencies 60 hrs – Common Competencies 240 hrs – Core Competencies **324 hrs - Total**
3.2 Training Delivery	
The delivery of training should adhere to the design of the curriculum. Delivery should be guided by the 10 basic principles of the competency-based TVET. • The training is based on curriculum developed from the competency standards; • Learning is modular in its structure; • Training delivery is individualized and self-paced; • Training is based on work that must be performed; • Training materials are directly related to the competency standards and the curriculum modules;	1. The delivery of training shall adhere to the design of the curriculum. Delivery shall be guided by the principles of competency-based TVET. • Course design is based on competency standards set by the industry or recognized industry sector; (Learning system is driven by competencies written to industry standards) • Training delivery is learner-centered and should accommodate individualized and self-paced learning strategies; • Training can be done on an actual workplace setting, simulation of a workplace and/or through adoption of modern technology.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
• Assessment is based in the collection of evidence of the performance of work to the industry required standard; • Training is based both on and off-the-job components; • Allows for recognition of prior learning (RPL) or current competencies; • Training allows for multiple entry and exit; and • Approved training programs are nationally accredited. The competency-based TVET system recognizes various types of delivery modes, both on and off-the-job as long as the learning is driven by the competency standards specified by the industry. The following training modalities may be adopted when designing training programs: • The dualized mode of training delivery is preferred and recommended. Thus programs would contain both in-school and in-industry training or fieldwork components. Details can be referred to the Dual Training System (DTS) Implementing Rules and Regulations. • Modular/self-paced learning is a competency-based training modality wherein the trainee is allowed to progress at his own pace. The trainer only facilitates the training delivery. • Peer teaching/mentoring is a training modality wherein fast learners are given the opportunity to assist the slow learners. • Supervised industry training or on-the-job training is an approach in training designed to enhance the knowledge and skills of the trainee through actual experience in the	• Assessment is based in the collection of evidence of the performance of work to the industry required standards; • Assessment of competency takes the trainee's knowledge and attitude into account but requires evidence of actual performance of the competency as the primary source of evidence. • Training program allows for recognition of prior learning (RPL) or current competencies; and • Training completion is based on satisfactory performance of all specified competencies. The competency-based TVET system recognizes various types of delivery modes, both on-and off-the-job as long as the learning is driven by the competency standards specified by the industry. The following training modalities and their variations/ components may be adopted singly or in combination with other modalities when designing and delivering training programs: 2.1. Institution- Based: • Dual Training System (DTS)/Dualized Training Program (DTP) which contain both in-school and in-industry training or fieldwork components. Details can be referred to the Implementing Rules and Regulations of the DTS Law and the TESDA Guidelines on the DTP; • The traditional classroom-based or in-center instruction may be enhanced through use of learner-centered methods

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
workplace to acquire a specific competencies prescribed in the training regulations. • Distance learning is a formal education process in which majority of the instruction occurs when the students and instructors are not in the same place. Distance learning may employ correspondence study, or audio, video or computer technologies.	as well as laboratory or field-work components. 2.2. Enterprise-Based: • Formal Apprenticeship – Training within employment involving a contract between an apprentice and an enterprise on an approved apprenticeable occupation. • Enterprise-based Training - where training is implemented within the company in accordance with the requirements of the specific company. Specific guidelines on this mode shall be issued by the TESDA Secretariat.
3.3 Trainee Entry Requirements	
The trainees who wish to enter the course should possess the following requirements: • At least high school graduate or equivalent • Can communicate in oral and written language • Must be physically and mentally fit to undergo training e.g. ***no fear of working in height*** This list does not include specific institutional requirements such as educational attainment, appropriate work experience, and others that may be required of the trainees by the school or training center delivering the TVET program.	Trainees or students should possess the following requirements: • Must have completed at least 10 yrs. basic education or an ALS certificate of achievement with grade 10 equivalent holder • Able to communicate both oral and written (either in English or local dialect) • Must be physically fit to undergo training e.g. ***no fear of working in height*** This list does not include specific institutional requirements such as educational attainment, appropriate work experience, and others that may be required of the trainees by the school or training center delivering the TVET program.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**

3.4 List of Tools, Equipment and Materials

Recommended list of tools, equipment and materials for the training of **20 trainees** for Transmission Line Installation and Maintenance NC II:

TOOLS	
QTY.	**DECRIPTION**
20 pcs.	Pliers
20 pcs.	Ballpeen hammers
20 pcs.	Screwdrivers
4 sets	Hacksaw
20 pcs.	Adjustable wrenches
4 pcs.	Auger bit
4 sets	Cutting tools (hydraulic, acetylene, bolo)
1 unit	Hotline trailer
4 sets	Digging tools (straight shovel, spoon, digging bar, hole digger, garden shovel)
20 pcs.	Steel tape
2 pcs	Tele-height meter

TOOLS	
QTY.	**DESCRIPTION**
6 pcs	Pliers 9"
6 pcs	Ballpeen hammers, 2 lbs
6 pcs	Screwdrivers 10" - type
6 pcs	Screw driver 10" + type
4 sets	Standard Hacksaw 12"
6 pcs	Adjustable wrenches 12'
2 pcs.	Auger bit 5/8" Ø,
1 pc	Bolt cutter
2 pcs	Straight shovel 8'
2 pcs	Shovel, spoon 8'
2 pcs	Digging bar 5'
2 pcs	Standard Shovel, spade 48"
2 pcs	Digger, hole 8'
2 pcs	Steel tape 5 mtr.
2 pcs	Cant hook
1 pc	Binocular, telescope
4 pcs	Block snatch, single sheave, aluminum
2 pcs	Block, triple sheave, steel
2 pcs	Block, triple sheave, steel
2 pcs	Wire grip pulling for 336.4 MCM
2 pcs	Wire grip pulling for 795 MCM
1 roll	Rope polydacron ½" Ø,
1 roll	Rope polydacron 5/8" Ø
2 pcs	Steel sling 3/8" Ø, 3'L
2 pcs	Sling, webbing, 2"Ø,4' L
2 pcs	Sling, webbing, 2"Ø,3' L

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**

EQUIPMENT	
QTY.	**ITEM**
6 sets	Ratchet hoist
2 sets	Capstan/Hand winch (includes tightener)
6 sets	Block and tackle
2 sets	Compression tool
6 sets	Snatch block
20 sets	Climbing gears set
1 set	Dynamometer/ Tension meter
6 sets	Wire grip/cum-along
2 sets	Hydraulic cutter
1 unit	Leakage-current monitoring kit (hot stick tester/la
1 unit	Line truck
1unit	Boom truck

TOOLS	
QTY.	**DESCRIPTION**
1 pc	Skinning knife
1 pc	Level, spirit
4 pcs	Roller, Stringing alloy
4 pcs	Roller, Stringing steel
2 pcs	Tool bucket
1 pcs	Digital camera
1 set	Wrench, socket, automatic ½" square drive
4 pcs	Cutter key puller
	Safety tools
1 pc	Spine board
2 sets	Harness, full body with fall arrest lanyard, chest and back
2 sets	First-aid kit set

EQUIPMENT	
QTY.	**QTY.**
2 pcs	Lever hoist 1.6 tons
1 set	Capstan/Hand winch (includes tightener)
1 pc	Cable height meter
1 pc	Mega phone
2 pcs	Lever hoist 3.2 tons
6 pcs	Snatch block
6 sets	Climbing set
1 pc	Hydraulic cutter
1 unit	Wire Splicing machine
1 pc	Ladder, adj, instd 12' extendable up to 20'
1 unit	Chainsaw
2 pcs	Puller cable 1.5 ton (tirfor)

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)

EQUIPMENT	
QTY.	**ITEM**
2 sets	ERS gin pole (with complete accessories)
5 rolls	Nylon rope
21 pcs.	Stringing roller
25 pcs.	Webbing sling/nylon
1 unit	Splicing machine
	PPE
20 pcs.	Hard hat
20 pairs	Safety shoes
20 pcs.	Safety goggles
2 sets	Conductive suit
20 pcs.	Safety gloves
2 sets	First-aid kit set
HARDWARE/ACCESSORIES	
190 pcs.	T/L Insulator
1 lot	Machine bolts
12 sets	Suspension clamps
30 sets	Strain clamp
1 lot	Overhead ground wires
12 pcs.	Cross-arms and braces (of various lengths)
1 lot	Conductors and accessories
1 lot	Tower parts
2 sets	Emergency Restoration Structure (ERS)
16 pcs.	Poles (assorted)

Amendments

EQUIPMENT	
QTY.	**DESCRIPTION**
1 set	Grounding cluster, all angle clamp
1 set	Wedge connector tool
1 set	Earth Resistance tester
1 set	Voltage detector (non-contact) multi range
1 set	Compression machine
2 sets	Hoist, capstan, motorized
1 unit	Line Truck
1 unit	Pole trailer/ stake truck
1 set	Reel stand, stationary
	PPE
20 pcs	Hard hat
20 pairs	Safety shoes
20 pcs	Safety goggles
20 pairs	Working gloves
20 pcs	Working clothes

HARDWARE	
6 pcs	Armor rod preformed 336.4 MCM, ACSR
6 pcs	Anchor shackle 5/8" Ø
6 pcs	Screw, anchor, thimble eye 5/8" Ø x 6'
6 pcs	Rod, anchor thimble eye 5/8" Ø x 8'
200 mtr	Guy wire, 7/16" Ø
4 pcs	Bond, pole 10"

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<table>
<tr><th>Existing Promulgated Training Regulations
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<tr><td></td><td>
<table>
<tr><th colspan="2">HARDWARE</th></tr>
<tr><th>QTY.</th><th>DESCRIPTION</th></tr>
<tr><td>6 pcs</td><td>Guy grip, preformed 7/16" Ø</td></tr>
<tr><td>12 pcs</td><td>Double arming bolt, 5/8" Ø x22" w/ 4nuts</td></tr>
<tr><td>3 pcs</td><td>Eye nut 5/8" Ø</td></tr>
<tr><td>6 pcs</td><td>Connector, wedge type 336.4x336.4MCM</td></tr>
<tr><td>6 pcs</td><td>Strain clamp with socket eye, 336.4 MCM</td></tr>
<tr><td>3 pcs</td><td>Composite insulator, suspension 70Kn</td></tr>
<tr><td>2 pcs</td><td>Crossarm tubular 23 '</td></tr>
<tr><td>2 pcs</td><td>X-brace, steel</td></tr>
<tr><td>4 pcs</td><td>X-brace end fitting</td></tr>
<tr><td>3 pcs</td><td>Double arming plate</td></tr>
<tr><td>6 pcs</td><td>Angle support</td></tr>
<tr><td>6 pcs</td><td>Twisted shackle 5/8" Ø</td></tr>
<tr><td>6 pcs</td><td>Ball clevis 5/8" Ø</td></tr>
<tr><td>4 pcs</td><td>Strain clamp for OHGW, steel</td></tr>
<tr><td>1pc</td><td>Crossarm tubular 13' 6"</td></tr>
<tr><td>1 pc</td><td>Crossarm tubular 19' 6"</td></tr>
<tr><td>3 pcs</td><td>Long bolt eye 5/8" Ø</td></tr>
<tr><td>200 mtr</td><td>OHGW 3/8" Ø</td></tr>
<tr><td>300 mtr</td><td>ACSR 336.4 MCM</td></tr>
<tr><td></td><td></td></tr>
</table>
</td></tr>
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<table>
<tr><th>Existing Promulgated Training Regulations
(Board Resolution No. 2008-35)</th><th>Amendments</th></tr>
<tr><td colspan="2">3.5 Training Facilities</td></tr>
<tr><td>Recommended space requirements for the various teaching/learning areas are as follows:
<table>
<tr><th>Teaching/ Learning Areas</th><th>Size in Meters</th><th>Area in Sq. Meters</th><th>Total Area in Sq. Meters</th></tr>
<tr><td>Lecture Area</td><td>6 x 8</td><td>48</td><td>48</td></tr>
<tr><td>Laboratory Area (field-based)</td><td>7 X 8</td><td>56</td><td>56</td></tr>
<tr><td>Learning Resource Area</td><td>4 x 5</td><td>20</td><td>20</td></tr>
<tr><td>Wash ,Toilet & Locker Room</td><td>3 x 5</td><td>15</td><td>15</td></tr>
<tr><td colspan="3">TOTAL</td><td>139</td></tr>
<tr><td>Facilities/ Equipment/ Circulation*</td><td></td><td></td><td>35</td></tr>
<tr><td>TOTAL AREA</td><td></td><td></td><td>174</td></tr>
</table></td><td>The building must be in compliance with occupational health and safety guidelines.
<table>
<tr><th>Teaching/ Learning Areas</th><th>Size in Meters</th><th>Area in Sq. Meters</th><th>Total Area in Sq. Meters</th></tr>
<tr><td>Lecture Area</td><td>6 x 8</td><td>48</td><td>48</td></tr>
<tr><td>Training Area (Field-based)</td><td>15x50</td><td>750</td><td>750</td></tr>
<tr><td>Learning Resource Area</td><td>4 x 5</td><td>20</td><td>20</td></tr>
<tr><td>Tool Room / Storage Area</td><td>4 x 5</td><td>20</td><td>20</td></tr>
<tr><td>Wash ,Toilet & Locker Room</td><td>3 x 5</td><td>15</td><td>15</td></tr>
<tr><td colspan="3">Total</td><td>853</td></tr>
<tr><td colspan="3">A. Facilities/Equipment/ Circulation** (30% of space requirements)</td><td>256</td></tr>
<tr><td colspan="3">TOTAL AREA</td><td>1,109</td></tr>
</table>
** Area requirement is equivalent to 30% of the total teaching/learning areas</td></tr>
</table>

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
3.6 Trainer's Qualification	
Transmission Line Installation and Maintenance NC II • Must be a holder of Transmission Line Installation and Maintenance NCII or equivalent • Must have completed Training Methodology II (TM II) course or equivalent • Must have at least 5-years relevant industry experience. • Must be physically & mentally fit.	**Transmission Line Installation and Maintenance NC II** • Must be a holder of National TVET Trainer Certificate (NTTC) level I in Transmission Line Installation and Maintenance NCII • Must have at least 3-years relevant industry experience within the last 6-years • Must have completed the 40-hours Construction Occupational Safety and Health (COSH) Course per Department Order No. 13 s. 1998, Guidelines Governing Occupational Safety and Health in the Construction Industry conducted by OSHC and DOLE accredited Safety Training Organizations
3.7 Institutional Assessment	
Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.	Institutional assessment is undertaken by trainees to determine their achievement of units of competency. The result of the institutional assessment may be considered as evidence for the assessment for national certification.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 4. National Assessment and Certification Arrangements	
4.1 To attain the National Qualification of Transmission Line Installation and Maintenance NC II, the candidate must demonstrate competency in all the units listed in Section 1. Successful candidates shall be awarded a National Certificate II signed by the TESDA Director General. 4.2 The qualification Transmission Line Installation and Maintenance NC II can be attained through: 4.2.1 Accumulation of Certificates of Competency (COCs) in all the following units of competencies: • Perform pole erection • Perform overhead transmission line works • Perform cold-line maintenance work • Perform ground line maintenance work • Perform live-line maintenance work • Install emergency restoration structure (ERS) 4.2.2 Demonstration of competence through project-type assessment covering clustered units of competency of the qualification: • Perform erection of pole, dressing and installation of guy wires ○ Perform pole erection ○ Perform overhead transmission line work ○ Perform cold line maintenance work ○ Perform ground line maintenance work	4.1 To attain the National Qualification of Transmission Line Installation and Maintenance NC II, the candidate must demonstrate competency in all the units listed in Section 1. Successful candidates shall be awarded a National Certificate II signed by the TESDA Director General. 4.2 The qualification of Transmission Line Installation and Maintenance NC II can be attained through project-type assessment covering all the units of competency required in the qualification. 4.3 Assessment shall cover all competencies, with basic and common integrated or assessed concurrently with the core units of competency. 4.4 Any of the following are qualified to apply for assessment and certification: 1.4.1 Graduate of formal or non-formal training in transmission line installation and maintenance or related training; 1.4.2 Worker with at least 6-months relevant experience in transmission line installation and maintenance The candidate must provide recent (within the last 6 months of assessment) document/s to prove that he/she is physically fit.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
• Performing live-line maintenance work • Installing emergency restoration structure (ERS) 4.3 Accumulation and submission of all COCs acquired for the relevant units of competency comprising a qualification, an individual shall be issued the corresponding National Certificate 4.4 Assessment shall focus on the core units of competency. The basic and common units shall be integrated or assessed concurrently with the core units. 4.5 The following are qualified to apply for assessment and certification: • Graduate of formal, non-formal and informal including enterprise-based education/training programs/courses. • Experienced workers (wage employed or self-employed) 4.6 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Qualification and Certification System (PTQCS)".	4.5 The existing NCs or COCs in Transmission Line Installation and Maintenance NC II shall be in effect until the said NCs or COCs have expired. Individuals are advised to take the assessment for this amended/updated TR on or before the expiration of such certificates. 4.6 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Competency Assessment and Certification System (PTCACS)".

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Qualification Title	
Transmission Line Installation and Maintenance NC III	**Transmission Line Installation and Maintenance NC III**
Job Title	
• Transmission Lineman	• Senior Transmission Lineman
Section 1 - Definition of the Qualification	
The **Transmission Line Installation and Maintenance NC II** Qualification consists of competencies that a person must possess to erect transmission line poles, perform overhead transmission line work, perform cold-, live- and ground-line maintenance works and install emergency restoration structure (ERS)	The **Transmission Line (T/L) Installation and Maintenance NC III** Qualification consist of competencies that a person must achieve to enable him/her to perform all the required competencies of a transmission lineman as well as installation and performance of transmission line works for above 69 KV. Specifically, this Training Regulations in Transmission Line Installation and Maintenance NC III involves competencies in installing/construction of new transmission line structures, performing overhead transmission line works, installing emergency restoration structure (ERS) and performing earth ground resistance testing. It also includes competency in performing hotline maintenance works as elective.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 1- Units of Competency	
Basic Competencies (Prescribed competencies for NC II) • Participate in workplace communication • Work in team environment • Practice career professionalism • Practice occupational health and safety procedures	Basic Competencies (Prescribed competencies for NC III) • Lead workplace communication • Lead small teams • Develop and practice negotiation skills • Solve problems related to work activities • Use mathematical concepts and techniques • Use relevant technologies
Common Competencies (Prescribed competencies for NC II)	Common Competencies Prescribed Common competencies for NC II plus additional unit of competency – • Perform computer operations
Core Competencies 1. Perform transmission line pole erection 2. Perform construction of overhead transmission line 3. Perform cold-line maintenance work 4. Perform live-line maintenance work 5. Perform ground line maintenance work 6. Install emergency restoration structure (ERS)	Core Competencies 1. Install/Construct new transmission line structures 2. Perform overhead transmission line works 3. Install emergency restoration structure (ERS) 4. Perform earth ground resistance testing Elective Competencies 5. Perform hotline maintenance works
Section 2 - Competency Standards	
Updates/Changes were made consistent with the proposed amendments on Basic, Common and Core Competencies.	

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 3 - Training Standards	
3.1 Curriculum Design	
Nominal Training Duration	
18 hrs – Basic Competencies 48 hrs – Common Competencies 580 hrs – Core Competencies **646 hrs - Total**	32 hrs – Basic Competencies 60 hrs – Common Competencies 116 hrs – Core Competencies **208 hrs - Total** **Nominal Training Duration (Elective)**: **150 hrs** – Elective Competencies
3.2 Training Delivery	***The training delivery contents are the same as in NC II level***
3.3 Trainee Entry Requirements	
The trainees who wish to enter the course should possess the following requirements: • At least high school graduate or equivalent • Can communicate in oral and written language • Must be physically and mentally fit to undergo training e.g. ***no fear of working in height*** This list does not include specific institutional requirements such as educational attainment, appropriate work experience, and others that may be required of the trainees by the school or training center delivering the TVET program.	The trainees who wish to enter the course should possess the following requirements: • Must have completed training or holder of Transmission Line Installation and Maintenance NC II with at least 1-yr work experience in transmission line installation and maintenance; **OR** • Must be a holder of Electrical Power Distribution Line Construction NC II with at least 2-yrs of work experience in distribution line construction and maintenance • Able to communicate both oral and/or written • Must be physically fit This list does not include specific institutional requirements such as educational attainment, appropriate work experience, and others that may be required of the trainees by the school or training center delivering the TVET program.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**

3.4 List of Tools, Equipment and Materials

Recommended list of tools, equipment and materials for the training of **20 trainees** for Transmission Line Installation and Maintenance NC II:

TOOLS	
QTY.	**DECRIPTION**
20 pcs.	Pliers
20 pcs.	Ballpeen hammers
20 pcs.	Screwdrivers
4 sets	Hacksaw
20 pcs.	Adjustable wrenches
4 pcs.	Auger bit
4 sets	Cutting tools (hydraulic, acetylene, bolo)
1 unit	Hotline trailer
4 sets	Digging tools (straight shovel, spoon, digging bar, hole digger, garden shovel)
20 pcs.	Steel tape
2 pcs	Tele-height meter

TOOLS	
QTY.	**DESCRIPTION**
6 pcs	Pliers 9"
6 pcs	Ballpeen hammers, 2 lbs
6 pcs	Screwdrivers 10" - type
6 pcs	Screw driver 10" + type
4 sets	Standard Hacksaw 12"
6 pcs	Adjustable wrenches 12'
2 pcs.	Auger bit 5/8" Ø,
1 pc	Bolt cutter
2 pcs	Straight shovel 8'
2 pcs	Shovel, spoon 8'
2 pcs	Digging bar 5'
2 pcs	Shovel, spade
2 pcs	Digger, hole 8'
2 pcs	Steel tape 5 mtr.
2 pcs	Cant hook
1 pc	Binocular, telescope
4 pcs	Block snatch, single sheave, aluminum
2 pcs	Block, triple sheave, steel
2 pcs	Block, triple sheave, steel
2 pcs	Wire grip pulling for 336.4 MCM
2 pcs	Wire grip pulling for 795 MCM
1 roll	Rope polydacron ½" Ø,
1 roll	Rope polydacron 5/8" Ø
2 pcs	Steel sling 3/8" Ø, 3'L
2 pcs	Sling, webbing, 2"Ø,4' L
2 pcs	Sling, webbing, 2"Ø,3' L

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**

EQUIPMENT	
QTY.	**ITEM**
6 sets	Ratchet hoist
2 sets	Capstan/Hand winch (includes tightener)
6 sets	Block and tackle
2 sets	Compression tool
6 sets	Snatch block
20 sets	Climbing gears set
1 set	Dynamometer/ Tension meter
6 sets	Wire grip/cum-along
2 sets	Hydraulic cutter
1 unit	Leakage-current monitoring kit (hot stick tester/la
1 unit	Line truck
1unit	Boom truck

TOOLS	
QTY.	**DESCRIPTION**
1 pc	Skinning knife
1 pc	Level, spirit
4 pcs	Roller, Stringing alloy
4 pcs	Roller, Stringing steel
2 pcs	Tool bucket
1 pcs	Digital camera
1 set	Wrench, socket, automatic ½" square drive
4 pcs	Cutter key puller
	Safety tools
1 pc	Spine board
2 sets	Harness, full body with fall arrest lanyard, chest and back
2 sets	First-aid kit set

EQUIPMENT	
QTY.	**QTY.**
2 pcs	Lever hoist 1.6 tons
1 set	Capstan/Hand winch (includes tightener)
1 pc	Cable height meter
1 pc	Mega phone
2 pcs	Lever hoist 3.2 tons
6 pcs	Snatch block
6 sets	Climbing set
1 pc	Hydraulic cutter
1 unit	Splicing machine
1 pc	Ladder, adj, instd 12' extendable up to 20'
1 unit	Chainsaw
2 pcs	Puller cable 1.5 ton (tirfor)

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)

EQUIPMENT	
QTY.	**ITEM**
2 sets	ERS gin pole (with complete accessories)
5 rolls	Nylon rope
21 pcs.	Stringing roller
25 pcs.	Webbing sling/nylon
1 unit	Splicing machine
	PPE
20 pcs.	Hard hat
20 pairs	Safety shoes
20 pcs.	Safety goggles
2 sets	Conductive suit
20 pcs.	Safety gloves
2 sets	First-aid kit set
HARDWARE/ACCESSORIES	
190 pcs.	T/L Insulator
1 lot	Machine bolts
12 sets	Suspension clamps
30 sets	Strain clamp
1 lot	Overhead ground wires
12 pcs.	Cross-arms and braces (of various lengths)
1 lot	Conductors and accessories
1 lot	Tower parts
2 sets	Emergency Restoration Structure (ERS)
16 pcs.	Poles (assorted)

Amendments

EQUIPMENT	
QTY.	**DESCRIPTION**
1 set	Grounding cluster, all angle clamp
1 set	Wedge connector tool
1 set	Earth Resistance tester
1 set	Voltage detector (non-contact) multi range
1 set	Compression machine
2 sets	Hoist, capstan, motorized
1 unit	Line Truck
1 unit	Pole trailer/ stake truck
1 set	Reel stand, stationary
	PPE
20 pcs	Hard hat
20 pairs	Safety shoes
20 pcs	Safety goggles
20 pairs	Working gloves
20 pcs	Working clothes
2 set	First-aid kit set
1 pc	Spine board
2 set	Harness, full body with fall arrest lanyard, chest and back

HARDWARE	
15 pcs.	Insulator, porcelain 15k lbs
1 pc	Steel pole
2 pcs	Crossarm, tubular 10'
2 pcs	Crossarm, tubular 8'
4 pcs	Angle crossarm brace

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**

HARDWARE	
QTY.	**DESCRIPTION**
10 pcs	Machine bolt 5/8" Ø x 12"
10 pcs	Machine bolt 5/8" Ø x 16"
10 pcs	Machine bolt 1/2" Ø x 6"
6 pcs	Oval eye bolt 5/8" Ø x 10"
12 pcs	Oval eye bolt 5/8" Ø x 6"
12 pcs	Washer, flat square 4"x4" x ¼" for 5/8" Ø
12 pcs	Washer, curve square 4"x4" x ¼" for 5/8" Ø
6 pcs	Y-ball cleaves
6 pcs	Clamp, suspension with socket eye for 336.4MCM ACSR
4 pcs	Clamp, suspension for OHGW, steel
6 pcs	Armor rod preformed 336.4 MCM, ACSR
6 pcs	Anchor shackle 5/8" Ø
6 pcs	Screw, anchor, thimble eye 5/8" Ø x 6'
6 pcs	Rod, anchor thimble eye 5/8" Ø x 8'
200 mtr	Guy wire, 7/16" Ø
4 pcs	Bond, pole 10"
6 pcs	Guy grip, preformed 7/16" Ø
12 pcs	Double arming bolt, 5/8" Ø x22" w/ 4nuts
3 pcs	Eye nut 5/8" Ø
6 pcs	Connector, wedge type 336.4x336.4MCM
6 pcs	Strain clamp with socket eye, 336.4 MCM

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<table>
<tr><th>Existing Promulgated Training Regulations
(Board Resolution No. 2008-35)</th><th>Amendments</th></tr>
<tr><td></td><td>
<table>
<tr><th colspan="2">HARDWARE</th></tr>
<tr><th>QTY.</th><th>DESCRIPTION</th></tr>
<tr><td>3 pcs</td><td>Composite insulator, suspension 70Kn</td></tr>
<tr><td>2 pcs</td><td>Crossarm tubular 23 '</td></tr>
<tr><td>2 pcs</td><td>X-brace, steel</td></tr>
<tr><td>4 pcs</td><td>X-brace end fitting</td></tr>
<tr><td>3 pcs</td><td>Double arming plate</td></tr>
<tr><td>6 pcs</td><td>Angle support</td></tr>
<tr><td>6 pc s</td><td>Twisted shackle 5/8" Ø</td></tr>
<tr><td>6 pcs</td><td>Ball clevis 5/8" Ø</td></tr>
<tr><td>4 pcs</td><td>Strain clamp for OHGW, steel</td></tr>
<tr><td>1pc</td><td>Crossarm tubular 13' 6"</td></tr>
<tr><td>1 pc</td><td>Crossarm tubular 19' 6"</td></tr>
<tr><td>3 pcs</td><td>Long bolt eye 5/8" Ø</td></tr>
<tr><td>200mtr</td><td>OHGW 3/8" Ø</td></tr>
<tr><td>300 mtr</td><td>ACSR 336.4 MCM</td></tr>
</table>
Note:

Lists of tools, equipment and hardware for emergency restoration structure (ERS) and hotline works are also provided separately under Section 3 of the training regulations.

(Refer to Transmission Line Installation and Maintenance NC III TR)
</td></tr>
</table>

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
3.5 Training Facilities	***The Training Facilities requirements are the same as in NC II level***
3.6 Trainer's Qualification	
Transmission Line Installation and Maintenance NC II • Must be a holder of Transmission Line Installation and Maintenance NCII or equivalent • Must have completed Training Methodology II (TM II) course or equivalent • Must have at least 5-years relevant industry experience. • Must be physically & mentally fit.	**Transmission Line Installation and Maintenance NC III** • Must be a holder of National TVET Trainer Certificate (NTTC) level I in Transmission Line Installation and Maintenance NCIII • With at least minimum of five (5) years relevant transmission line installation and maintenance experience • Must have completed the 40-hours Construction Occupational Safety and Health (COSH) Course per Department Order No. 13 s. 1998, Guidelines Governing Occupational Safety and Health in the Construction Industry conducted by OSHC and DOLE accredited Safety Training Organizations • Must be computer literate • Must be physically fit
3.7 Institutional Assessment	
Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.	Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency. The result of the institutional assessment may be considered as evidence for the assessment for national certification.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 4. National Assessment and Certification Arrangements	
4.1 To attain the National Qualification of Transmission Line Installation and Maintenance NC II, the candidate must demonstrate competency in all the units listed in Section 1. Successful candidates shall be awarded a National Certificate II signed by the TESDA Director General. 4.2 The qualification Transmission Line Installation and Maintenance NC II can be attained through: 4.2.1 Accumulation of Certificates of Competency (COCs) in all the following units of competencies: • Perform pole erection • Perform overhead transmission line works • Perform cold-line maintenance work • Perform ground line maintenance work • Perform live-line maintenance work • Install emergency restoration structure (ERS) 4.2.2 Demonstration of competence through project-type assessment covering clustered units of competency of the qualification: • Perform erection of pole, dressing and installation of guy wires o Perform pole erection o Perform overhead transmission line work o Perform cold line maintenance work o Perform ground line maintenance work	4.1 To attain the National Qualification of Transmission Line Installation and Maintenance NC III, the candidate must demonstrate competency in all the units listed in Section 1. Successful candidates shall be awarded a National Certificate III signed by the TESDA Director General. 4.2 The qualification of Transmission Line Installation and Maintenance NC III can be attained through project-type assessment covering all the units of competency required in the qualification. 4.3 Assessment shall cover all competencies, with basic and common integrated or assessed concurrently with the core units of competency. 4.4 Any of the following are qualified to apply for assessment and certification: 1.4.1 Graduate of formal training in Transmission Line Installation and Maintenance NC III or related training; 1.4.2 Individuals who has completed 6-month lineman's training and apprenticeship program. He/she must have experience working in tasks related to "Emergency Restoration Structure (ERS)"; 1.4.3 Holders of Transmission Line Installation and Maintenance NC II with at least 2-years work experience in transmission line installation/ construction and maintenance and he/she must have

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
• Performing live-line maintenance work • Installing emergency restoration structure (ERS)	experience working in tasks related to "Emergency Restoration Structure (ERS);
4.3 Assessment shall focus on the core units of competency. The basic and common units shall be integrated or assessed concurrently with the core units.	1.4.4 Holders of Electrical Power Distribution Line Construction NC II with at least 3-years of work experience in distribution line installation/ construction and maintenance and he/she must have experience working in tasks related to "Emergency Restoration Structure (ERS)".
4.4 The following are qualified to apply for assessment and certification: • Graduate of formal, non-formal and informal including enterprise-based education/training programs/courses. • Experienced workers (wage employed or self-employed)	The candidate must provide recent (within the last 6 months of assessment) document/s to prove that he/she is physically fit.
4.5 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Qualification and Certification System (PTQCS)".	4.5 The candidate may opt for portfolio assessment with interview if he/she has at least 4-years of relevant work experience (within the last 6 years) in transmission line installation/construction and maintenance and he/she must have experience working in tasks related to "Emergency Restoration Structure (ERS)".the expiration of such certificates.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
	4.6 The existing NCs in Transmission Line Installation and Maintenance NC III shall be in effect until the said NCs have expired. Individuals are advised to take the assessment for this amended/updated TR on or before the expiration of such certificates. 4.7 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Competency Assessment and Certification System (PTCACS)".

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Qualification Title	
Transmission Line Installation and Maintenance NC IV	**Transmission Line Installation and Maintenance NC IV**
Job Title	
• Transmission Lineman	• Transmission Line Foreman
Section 1 - Definition of the Qualification	
The Transmission Line (T/L) Installation and Maintenance NC III Qualification consist of competencies that a person must achieve to enable him/her to perform all the required competencies of a transmission line foreman as well as planning, implementation and inspection/assessment works Specifically, this Training Regulations in Transmission Line Installation and Maintenance NC III deals with the planning of transmission line maintenance job, implementing transmission line maintenance works and inspecting/assessing transmission line components' conditions.	The Transmission Line (T/L) Installation and Maintenance NC IV Qualification consist of competencies that a person must achieve to enable him/her to perform the required competencies of a transmission line foreman in planning and supervising transmission line maintenance works. Specifically, this Training Regulations in Transmission Line Installation and Maintenance NC IV deals with the planning of assigned transmission line maintenance work, supervising transmission line maintenance works and conducting initial root cause analysis.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 1- Units of Competency	
Basic Competencies (Prescribed competencies for NC III) 1. Lead workplace communication 2. Lead small teams 3. Develop and practice negotiation skills 4. Solve problems related to work activities 5. Use mathematical concepts and techniques 6. Use relevant technologies	Basic Competencies (Prescribed competencies for NC IV) 1. Utilize specialized communication skills 2. Develop teams and individuals 3. Apply problem solving techniques in the workplace 4. Collect, analyze and organize information 5. Plan and organize work 6. Promote environmental protection
Common Competencies (Prescribed Common competencies)	Common Competencies • No changes in the Common competencies
Core Competencies 1. Plan transmission line maintenance job 2. Implement transmission line maintenance work 3. Inspect/Assess transmission line component's condition	Core Competencies 1. Plan assigned maintenance work 2. Supervise transmission line maintenance work 3. Conduct initial root cause analysis
Section 2 - Competency Standards Updates/Changes were made consistent with the proposed amendments on Basic, Common and Core Competencies.	
Section 3 - Training Standards	
3.1 Curriculum Design	
Nominal Training Duration	
30 hrs – Basic Competencies 60 hrs – Common Competencies 120 hrs – Core Competencies 210 hrs - Total	30 hrs – Basic Competencies 60 hrs – Common Competencies 64 hrs – Core Competencies **154 hrs - Total**

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<table>
<tr><th>Existing Promulgated Training Regulations
(Board Resolution No. 2008-35)</th><th>Amendments</th></tr>
<tr><td>3.2 Training Delivery</td><td>The training delivery contents are the same as in NC II and NC III level</td></tr>
<tr><td colspan="2">3.3 Trainee Entry Requirements</td></tr>
<tr><td>To qualify as trainee for Transmission Line Installation and Maintenance NC III, a candidate must be:
• at least a holder of Transmission Line Installation and Maintenance NC II or its equivalent
• at least 5-yrs of relevant or equivalent experience in T/L installation and maintenance
• of good moral character
• able to communicate; and
• physically and mentally fit.</td><td>The trainees who wish to enter the course should possess the following requirements:
• A holder of Transmission Line Installation and Maintenance NC III
• At least 3-yrs of relevant experience in transmission line installation, construction and maintenance
• Able to communicate both oral and/or written; and
• Must be physically fit

This list does not include specific institutional requirements such as educational attainment, appropriate work experience, and others that may be required of the trainees by the school or training center delivering the TVET program.</td></tr>
<tr><td colspan="2">3.4 List of Tools, Equipment and Materials

Recommended list of tools, equipment and materials for the training of <u>20 trainees</u> for Transmission Line Installation and Maintenance NC IV:</td></tr>
<tr><td colspan="2">
<table>
<tr><th colspan="2">TOOLS</th></tr>
<tr><th>QTY.</th><th>DECRIPTION</th></tr>
<tr><td>20</td><td>Pliers</td></tr>
<tr><td>20</td><td>Ballpeen hammers</td></tr>
<tr><td>20</td><td>Screwdrivers</td></tr>
<tr><td>20</td><td>Hacksaw</td></tr>
<tr><td>20</td><td>Adjustable wrenches</td></tr>
<tr><td>20</td><td>Auger bit</td></tr>
<tr><td>20</td><td>Cutting tools</td></tr>
</table>
</td><td>
<table>
<tr><th colspan="2">TOOLS</th></tr>
<tr><th>QTY.</th><th>DESCRIPTION</th></tr>
<tr><td>4</td><td>Measuring tape, open reel, 150ft.</td></tr>
<tr><td>4</td><td>Steel tape, 5m</td></tr>
<tr><td>2</td><td>Camera, 16Mpix, 50x optical zoom</td></tr>
</table>
</td></tr>
</table>

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)

TOOLS	
QTY.	**DESCRIPTION**
	Hotline tools
1	- Fiber glass stick
1	- Fiber glass extension ladder
1	- Fiber glass work platform
	INSTRUMENTS
5	Tele-height meter
20	Steel tape
5	Thermal scanner
5	telescope

	EQUIPMENT
2	Ratchet hoist
2	Capstan/Hand winch
2	Block and tackle
2	Compression machine
2	Snatch block
20	Climbing gears set
5	Dynamometer/ Tension meter
20	Wire grip
5	Hydraulic cutter
1	Leakage-current monitoring kit
1	Line truck
1	Boom truck
1	Connecting tool (wedge connector)

Amendments

	EQUIPMENT
QTY.	**DESCRIPTION**
1	Range finder
2	Laptop/desktop PC
1	Portable printer, Laserjet
1	White board
1	multimedia projector
20	Ballpen
20	Pencil

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<table>
<tr><th colspan="2">Existing Promulgated Training Regulations
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<tr><td colspan="2"><table>
<tr><th colspan="2">TOOLS</th></tr>
<tr><th>QTY.</th><th>DESCRIPTION</th></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td>PPE</td></tr>
<tr><td>20</td><td>Hard hat</td></tr>
<tr><td>20</td><td>Safety shoes</td></tr>
<tr><td>20</td><td>Safety goggles</td></tr>
<tr><td>20</td><td>Conductive suit</td></tr>
<tr><td>20</td><td>Safety gloves</td></tr>
<tr><td>1</td><td>First-aid kit set</td></tr>
</table>
<table>
<tr><td></td><td>HARDWARE</td></tr>
<tr><td></td><td>Insulator</td></tr>
<tr><td></td><td>Machine bolts</td></tr>
<tr><td></td><td>Suspension clamps</td></tr>
<tr><td></td><td>Strain clamp</td></tr>
<tr><td></td><td>Overhead ground wires</td></tr>
<tr><td></td><td>Cross-arms and braces</td></tr>
<tr><td></td><td>Conductors and accessories</td></tr>
<tr><td></td><td>Tower parts</td></tr>
</table></td><td colspan="2"><table>
<tr><th colspan="2">TOOLS</th></tr>
<tr><th>QTY.</th><th>DESCRIPTION</th></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td>PPE</td></tr>
<tr><td>20</td><td>Hard hat</td></tr>
<tr><td>20</td><td>Safety shoes</td></tr>
<tr><td>20</td><td>Safety goggles</td></tr>
<tr><td>20</td><td>Working gloves</td></tr>
<tr><td>20</td><td>Working clothes</td></tr>
<tr><td>1</td><td>First-aid kit set</td></tr>
</table>
<table>
<tr><td></td><td>MATERIALS</td></tr>
<tr><td>1 ream</td><td>Bond paper, A4</td></tr>
<tr><td>1</td><td>Stapler</td></tr>
<tr><td>5</td><td>Whiteboard marker, black/blue</td></tr>
<tr><td>2</td><td>Whiteboard eraser</td></tr>
<tr><td>5</td><td>Permanent marker</td></tr>
<tr><td>5</td><td>masking tape</td></tr>
<tr><td>1</td><td>Puncher</td></tr>
<tr><td>5</td><td>Highlighter/Marker, assorted color</td></tr>
<tr><td>20</td><td>Sample Maintenance Order form</td></tr>
<tr><td>20</td><td>Sample toolbox meeting form</td></tr>
<tr><td>20</td><td>Sample inspection checklist</td></tr>
</table></td></tr>
<tr><td colspan="2">3.5 Training Facilities</td><td colspan="2">The Training Facilities requirements are the same as in NC II and NC III level</td></tr>
</table>

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
3.6 Trainer's Qualification	
Transmission Line Installation and Maintenance NC III • Must be a holder of Transmission Line Installation and Maintenance NC III or equivalent • Must have completed Training Methodology Course III (TM III) or equivalent training/experience • Must be computer literate • Must be physically and mentally fit • *Minimum of three (3) years relevant job/industry experience *Optional. Only when required by the hiring institution Reference: TESDA Board Resolution No. 2004-03	**Transmission Line Installation and Maintenance NC IV** • Must be a holder of National TVET Trainer Certificate (NTTC) level I in Transmission Line Installation and Maintenance NC IV • Minimum of five (5) years of work experience on transmission line installation, construction and maintenance • Must have completed the 40-hours Construction Occupational Safety and Health (COSH) Course per Department Order No. 13 s. 1998, Guidelines Governing Occupational Safety and Health in the Construction Industry conducted by OSHC and DOLE accredited Safety Training Organizations • Must be computer literate
3.7 Institutional Assessment	
Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency.	Institutional assessment is undertaken by trainees to determine their achievement of units of competency. A certificate of achievement is issued for each unit of competency. The result of the institutional assessment may be considered as evidence for the assessment for national certification.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
Section 4. National Assessment and Certification Arrangements	
4.1 To attain the National Qualification of Transmission Line Installation and Maintenance NC III, the candidate must demonstrate competence all the units listed in Section 1. Successful candidates shall be awarded a National Certificate signed by the TESDA Director General.	4.1 To attain the National Qualification of the **Transmission Line Installation and Maintenance NC IV**, the candidate must demonstrate in all the units listed in Section 1. Successful candidates shall be awarded a **National Certificate IV** signed by the TESDA Director General.
4.2 The qualification of Transmission Line Installation and Maintenance NC III may be attained through demonstration of competence through a single project-type assessment covering all required units of competency of the qualification.	4.2 The Qualification of **Transmission Line Installation and Maintenance NC IV** may be attained only through demonstration of competence through project-type assessment covering all the units required.
4.3 Assessment shall focus on the core units of competency. The basic and common units shall be integrated or assessed concurrently with the core units.	4.3 Assessment shall cover all competencies, with basic and common integrated or assessed concurrently with the core units of competency.
4.4 The following are qualified to apply for assessment and certification: 4.4.1 Graduates of formal, non-formal and informal including enterprise-based training programs 4.4.2 Experienced Workers (wage-employed or self-employed)	4.4 Any of the following are qualified to apply for assessment and certification: 4.4.1 Holder of national certificate for Transmission Line Installation and Maintenance NC III with at least 5-yrs work experience in transmission line installation, construction and maintenance. 4.4.2 Graduate of formal training on Transmission Line Installation and Maintenance NC IV.
4.5 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Qualification and Certification System (PTQCS)".	

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
	4.4.3 Graduate of similar trainings provided by enterprise/s with at least 5-yrs work experience in transmission line installation, construction and maintenance. He/she must have experience working in tasks related to "Emergency Restoration Structure (ERS)". 4.5 A person may also opt for Portfolio assessment with Interview if he/she has at least 8 years of relevant work experience (within the last 10 years) in transmission line installation, construction and maintenance. He/she must have experience working in tasks related to "Emergency Restoration Structure (ERS)". The candidate must show sufficient evidences on the above requirements in his/her portfolio. Necessary documents to be submitted are: Certificate of Employment (indicating position, nature of work and period), Training Certificate/s (local and international) on transmission line installation, construction and maintenance, line ranger program and other relevant trainings.

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
	4.6 The guidelines on assessment and certification are discussed in detail in the "Procedures Manual on Assessment and Certification" and "Guidelines on the Implementation of the Philippine TVET Competency Assessment and Certification System (PTCACS)". **4.2 COMPETENCY ASSESSMENT REQUISITE** 4.2.1 Self-Assessment Guide. The self-assessment guide (SAG) is accomplished by the candidate prior to actual competency assessment. SAG is a pre-assessment tool to help the candidate and the assessor determine what evidence is available, where gaps exist, including readiness for assessment. This document can: • Identify the candidate's skills and knowledge • Highlight gaps in candidate's skills and knowledge • Provide critical guidance to the assessor and candidate on the evidence that need to be presented

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Existing Promulgated Training Regulations (Board Resolution No. 2008-35)	**Amendments**
	• Assist the candidate to identify key areas in which practice is needed or additional information or skills that should be gained prior `
	4.2.2 Accredited Assessment Center. Only Assessment Center accredited by TESDA is authorized to conduct competency assessment. Assessment centers undergo a quality assured procedure for accreditation before they are authorized by TESDA to manage the assessment for National Certification.
	4.2.3 Accredited Competency Assessor. Only accredited competency assessor is authorized to conduct assessment of competence. Competency assessors undergo a quality assured system of accreditation procedure before they are authorized by TESDA to assess the competencies of candidates for National Certification.

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WHEREAS, during the 28th SSSDC-TESDA Board Meeting on 28 November 2017, the Committee agreed to recommend for approval and promulgation of the amendment of the Training Regulations for Transmission Line Installation and Maintenance NC II, Transmission Line Installation and Maintenance NC III and Transmission Line Installation and Maintenance NC IV;

WHEREAS, during the 100th TESDA BOARD Meeting on 18 December 2017 at 2:00 p.m., the TESDA Board considered the amendments and approved the promulgation of the amended Training Regulations for Transmission Line Installation and Maintenance NC II, Transmission Line Installation and Maintenance NC III and Transmission Line Installation and Maintenance NC IV;

WHEREAS, the aforesaid Training Regulations is hereto annexed and made an integral part of this resolution;

NOW, THEREFORE, BE IT RESOLVED, AS IT IS HEREBY RESOLVED, that the TESDA Board in its meeting today, 18 December 2017 at 2:00 pm, approves the aforementioned amendments to the Training Regulations for Transmission Line Installation and Maintenance NC II, Transmission Line Installation and Maintenance NC III and Transmission Line Installation and Maintenance NC IV;

BE IT RESOLVED FINALLY that copy of this Resolution and accompanying Training Regulations be published and disseminated to all concerned, and the same shall be effective fifteen (15) days upon publication.

All programs registered under the current Transmission Line Installation and Maintenance NC II and Transmission Line Installation and Maintenance NC III Training Regulations must comply with requirements of the aforementioned training regulations as amended. The one-year period of registration under this new Training Regulations shall commence on the date of effectivity of the Implementing Guidelines/TESDA Circular for the deployment of the Training Regulations to be issued by the TESDA Secretariat.

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Graduates of TVET courses covered by the aforementioned training regulation shall be required to undergo mandatory assessment under the national assessment and certification program.

Adopted this 18th day of December 2017.

ATTY. MAMARICO L. SANSARONA, JR.
Board Secretary VI

Attested by:

BERNARD P. OLALIA
Presiding Chairperson, TESDA Board
Undersecretary, Department of Labor and Employment