

Department Circular No. 05
Series of 2017

SUBJECT : NATIONAL GUIDELINES ON TESTING AND EVALUATION OF AGRICULTURAL AND FISHERIES MACHINERY

Pursuant to Section 18 of R.A. No. 10601, otherwise known as the Agricultural and Fisheries Mechanization Law and its Implementing Rules and Regulations, this National Guidelines on Testing and Evaluation of Agricultural and Fisheries Machinery is hereby promulgated and issued for guidance and enforcement of all government agencies, departments, bureaus, offices, or instrumentalities of the Government, private entities, farmers and fisherfolks.

**ARTICLE I
GENERAL PROVISIONS**

SECTION 1. Objective

The guidelines prescribed in this Circular aims to provide government offices and private sector with a framework for implementing the testing and evaluation of agricultural and fisheries machinery, thus ensuring the quality, safety and compliance to standards and specifications of machinery and equipment supplied to the market, guiding the manufacturers in the improvement and development of machinery, and safeguarding the interest of farmers and fisherfolks, as envisioned under RA No. 10601.

SECTION 2. Scope

The guidelines shall cover the policies and mechanisms in the conduct of testing and evaluation of agricultural and fisheries machinery before it can be procured or sold in the market and accepted by procuring entity. It shall likewise include the institutional arrangements, accreditation of Test Engineers, establishment of certification registry, and provision of capacity building activities.

SECTION 3. Definition of Terms

For the purpose of this Circular, the following definitions shall apply:

- a. **Agricultural and Fisheries Machinery** – refers to machinery and equipment for the production, post-production, harvesting, processing, storage, manufacture, preserving, transporting and distribution of agricultural and fisheries products and by-products. It includes, but not limited to, tractors and their attachments, power tillers, seeders, transplanters, windmills, harvesting machines, crop protection and maintenance equipment, irrigation equipment and accessories, greenhouses and other thermal conditioning equipment, livestock equipment, fishery equipment, slaughtering

equipment, meat/fishery and crop processing equipment, postharvest machines such as milling machines, dryers, threshers and fiber extraction machines.

- b. ***Philippine National Standards/Philippine Agricultural Engineering Standards (PNS/PAES)*** – standards used for the preparation and monitoring of specifications and test and evaluation of machine and equipment performance and serve as technical reference by all agricultural and biosystems engineers in the practice of their profession.
- c. ***Testing*** – is the systematic and objective process of assessing the construction and performance of a machine or equipment using specified repeatable procedures.
- d. ***Evaluation*** – is the process of assessing a machine or equipment, preferably in numerical or quantitative terms relative to statutory requirements and/or specific standards.
- e. ***Test Engineer*** – licensed Agricultural and Biosystems Engineer (ABE) who is trained to perform testing and evaluation of agricultural and fisheries machinery pursuant to RA 10915.
- f. ***Accredited Testing Center*** – any private or government entity including Higher Education Institutions (HEIs) which has the capacity to measure, examine, test, calibrate or otherwise determine the characteristics and performance of agricultural and fisheries machinery and has undergone accreditation by the Bureau of Agricultural and Fisheries Engineering (BAFE).
- g. ***AMTEC Branch Center*** – any accredited testing center which is formally recognized by the University of the Philippines – Agricultural Machinery Testing and Evaluation Center (UPLB – AMTEC) as one of its partners in testing and evaluation of agricultural and fisheries machinery.
- h. ***Preliminary Test Report*** – an initial test report summarizing the specifications and performance of the machine, issued prior to the final Test Report.
- i. ***Test Report (TR)*** – narrative report showing the description, performance and conditions of the machine, method of test used, result of test as well as photographs of the machine.

ARTICLE II

TESTING AND EVALUATION ACCREDITATION ADVISORY COMMITTEE

SECTION 4. Creation of Testing and Evaluation Accreditation Advisory Committee

The Testing and Evaluation Accreditation Advisory Committee (TEAAC) shall be created and composed of representatives from concerned DA and other agencies namely: Bureau of Agriculture and Fisheries Standards (BAFS), Philippine Council for Agriculture and Fisheries (PCAF), Professional Regulatory Board of Agricultural and Biosystems

Engineering (PRB-ABE), Philippine Society of Agricultural Engineers (PSAE) and UPLB – AMTEC. Other concerned agencies and offices may be invited when deemed necessary.

The Testing and Evaluation Accreditation Advisory Committee shall perform the following functions:

- a. Review and recommend the granting of Compliance Certificate for agricultural and fisheries machinery;
- b. Review and recommend the granting of Certificate of Accreditation to Testing Centers;
- c. Review and recommend the granting of Certificate of Accreditation to Test Engineers; and
- d. Review and recommend the suspension, revocation and reinstatement of Compliance Certificate, Certificate of Accreditation to Testing Centers and Certificate of Accreditation to Test Engineers.

The BAFE shall act as the secretariat for all matters concerning the activities of the TEAAC and in the performance of their duties.

SECTION 5. Funding

Funding for the operationalization of TEAAC shall be incorporated in the regular funds of BAFE.

ARTICLE III

TESTING AND EVALUATION OF AGRICULTURAL AND FISHERIES MACHINERY

SECTION 6. Testing and Evaluation of Agricultural and Fisheries Machinery

Republic Act No. 10601 prescribes that “all agricultural and fisheries machinery to be sold in the market shall be subjected to testing and evaluation by the UPLB - AMTEC. In addition, before it can be commercially sold in the market, the model of the machine and any modification thereof shall be tested and should pass the prescribed quality performance standards in accordance with the PNS/PAES.”

6.1 Types of Testing and Evaluation

- a. ***AMTEC Testing and Evaluation*** – objective and systematic assessment conducted by UPLB – AMTEC in accordance to PNS/PAES or other standard test procedures to determine the actual characteristics, specifications, and functional performance of the machine under laboratory and/or actual field conditions.
- b. ***Confirmatory Testing (Field Testing)*** – an on-farm testing of agricultural and fisheries machinery to be undertaken by the UPLB-AMTEC or accredited testing center to ensure consistent quality of commercial units. The Regional Agricultural Engineering Divisions (RAEDs) and Agricultural Engineering

Division/Section (AED/AES) of LGUs shall assist the UPLB-AMTEC in field-testing of agricultural and fisheries machinery.

- c. **Acceptance Testing** – testing undertaken by government procuring entity as part of the procurement process to verify the acceptability of delivered machine and equipment in terms of quality and compliance to set specifications.

6.2 Testing and Evaluation Process

6.2.1 AMTEC Testing

Application for AMTEC testing and evaluation including all the documentary requirements shall be submitted by the manufacturers, suppliers, and dealers to the UPLB-AMTEC in accordance to its application guidelines. AMTEC testing will be scheduled on a “first come, first served” basis with exceptions on machinery restricted by the cropping season or planting operation and availability of test materials provided that the test application has already been made in advance.

The testing of agricultural and fisheries machinery shall primarily be in accordance to PNS/PAES. For agricultural and fisheries machinery which have no PNS/PAES, the machine may be tested by AMTEC using the International Organization for Standardization (ISO) or other recognized testing standards or protocols. In which case, the testing and evaluation will be limited to conformance to specifications pending the development of PNS/PAES.

The test shall be carried out on a single unit which represents the entire series of the same model of the machine. The test results shall be valid for all machines of the same brand and model only.

After the conduct of AMTEC test, test reports shall be provided to the party who requested for testing and to BAFE for evaluation and inclusion in the certification registry. Test reports shall be certified by Test Engineer/s who conducted the test. In case of delayed release of test report, preliminary test reports may be given and accepted as valid procurement document, but shall be valid for three (3) months only.

The test report shall be valid for five (5) years.

6.2.2 Confirmatory Testing (Field Testing)

As part of the regulatory and enforcement functions of BAFE, a confirmatory testing shall be undertaken by BAFE and UPLB-AMTEC to ensure the conformity to standards of distributed agricultural and fisheries machinery units. Confirmatory testing may also be undertaken upon request of the procuring entity, DA-RFOs or other concerned parties to UPLB-AMTEC or to any accredited testing centers. It may be performed by any accredited test engineers from the government and the private sector.

6.3 Interpretation and Evaluation of Test Results

The interpretation and evaluation of the test results shall utilize the PNS/PAES and may be undertaken by any third party licensed ABE.

However, for government procurement of agricultural and fisheries machinery without PNS/PAES, the test results shall be evaluated by the licensed ABE of the procuring entity and forwarded to BAFE. For government procurement of agricultural and fisheries machinery with PNS/PAES, the test results shall be evaluated by BAFE. Pending the creation of BAFE and TEAAC, the Interim BAFE and RAED shall provide interpretation and evaluation of said test results. Result of interpretation and evaluation will be made available within five (5) working days.

Moreover, BAFE is authorized to review and issue temporary suspension of the interpretation of certain provisions of PNS/PAES that are no longer responsive with existing technologies or inconsistent with new policies pending the updating of the PNS/PAES by BAFS.

6.4 Development and Utilization of PNS/PAES

As part of the standard development function of BAFS, it shall develop new standards for agricultural and fisheries machinery, as mandated under the AFMech Law. For newly developed agricultural and fisheries machinery, technology generators should coordinate with BAFS for the development of PNS/PAES and AMTEC for the testing protocols.

Aside from performance test, the BAFS may consider the updating of the method of test in the PNS/PAES to include the conduct of the following tests as deemed necessary:

- a. **Endurance and Durability Test**
Endurance test determines the capacity of an equipment to handle its expected load for continuous period of time or under sustained or prolonged use, while durability test determines the duration of time an equipment can meet its performance requirements. e.g. lifetime span, or it determines characteristics of an equipment under various load conditions over time, or its fitness for purpose over its intended lifetime.
- b. **Materials Test**
Materials test detects defects and determines the physical and mechanical properties of equipment components, including but not limited to hardness, bend strength, break load, among others.
- c. **Safety Test and Inspection**
Safety test and inspection determines safety features and characteristics of the equipment and their compliance to specifications and operator safety requirements.
- d. **Other Tests.**

6.5 Exemptions and Miscellaneous Provisions in Testing and Evaluation

- 6.5.1 All agricultural and fisheries machinery to be procured for the purpose of Research and Development (R&D) / pilot testing / technology demonstration may not be subjected to testing and evaluation by AMTEC, provided that a request shall be

submitted to BAFE stating the purpose of the study as well as other requisite documents as deemed appropriate by BAFE.

- 6.5.2 All agricultural and fisheries machinery without PNS/PAES and with unit cost of Php 50,000 and below may temporarily be exempted from AMTEC testing pending the formulation of PNS/PAES or accreditation of testing centers or AMTEC satellite/branch centers.
- 6.5.3 All agricultural and fisheries machinery without PNS/PAES and with unit cost above Php 50,000 shall be subjected to AMTEC testing.
- 6.5.4 Secondary processing, industrial, household, construction and transport machinery that will be used in agriculture may not require AMTEC testing subject to a joint issuance of BAFS and BAFE.
- 6.5.5 The test report generated by accredited test center shall be accepted as valid procurement document pending the establishment of AMTEC satellite/branch centers.
- 6.5.6 Test results generated from overseas testing shall be verified, or the machine shall be re-tested under Philippine conditions by AMTEC or accredited test center prior to commercialization.
- 6.5.7 The BAFE shall notify all concerned agencies on the list of accredited test centers, accredited Test Engineers as well as the revocation of exemptions and certifications.

SECTION 7. Issuance of Compliance Certificate (CC)

A Compliance Certificate (CC), which guarantees that the machine produced, purchased or sold in the market meets the national standards, shall be issued by BAFE for all agricultural and fisheries machinery with PNS/PAES.

7.1 Procedures

All manufacturers, suppliers and dealers shall request for the issuance of Compliance Certificate from the BAFE.

On the basis of test result issued by AMTEC or accredited testing center, the BAFE shall evaluate the compliance to standards and other standards set pursuant to Section 21 of the AFMech Law. It shall submit the result of initial evaluation to the TEAAC for review and recommendation on the issuance of the CC by BAFE.

Only suppliers of agricultural and fisheries machinery with granted CC shall be allowed to join in the government procurement.

Copy of the CC and test report shall be submitted by suppliers to procuring entities.

In case of non-compliant machinery, the BAFE shall notify the supplier on the denied certification. Suppliers may modify and/or improve denied machinery until compliant status is attained.

After the grant of the CC, the agricultural and fisheries machinery shall be subjected to surveillance assessment by BAFE to ensure its continued compliance with the conditions set in the Guidelines.

Please refer to Annex A for the cross-functional flow-chart of testing and evaluation and issuance of compliance certificate.

7.2 Implementation of Evaluation and Issuance of Compliance Certificate

The implementation of evaluation and issuance of compliance certificate shall be by phase. BAFE shall issue a separate guidelines detailing the machinery covered by phase, commencement of implementation, procedure and fees relative to the issuance of CC.

7.3 Validity

The CC shall have the same validity with the test report.

7.4 Suspension or Revocation of CC

A suspension or revocation of the CC and removal of the machine from the certification registry shall be done accordingly by the BAFE in accordance with the grounds recommended by TEAAC and approved by DA.

SECTION 8. Certification Registry

A registry shall be maintained by BAFE both for approved and denied machinery.

Modified machines that have complied with the requirement and have passed evaluation shall be reclassified and transferred from the registry of denied certification to the compliant certification registry.

8.1 Compliant Certification Registry - All compliant agricultural and fisheries machinery shall be included in the certification registry.

8.2 Registry of Denied Certification - All non-compliant machinery shall be included in the registry of denied certification.

The BAFE shall ensure that the name, test report number and compliance certificate number of the evaluated machine is available for viewing in the official website of BAFE.

ARTICLE IV
ACCREDITATION OF TESTING CENTER

SECTION 9. Accreditation of Testing Center

Agricultural and fisheries machinery testing centers shall be accredited by the BAFE. The application requirements, criteria and procedure for the accreditation shall be in accordance with the Department Circular No. 04 Series of 2017 "Accreditation Guidelines for Agricultural and Fisheries Machinery Testing Centers."

ARTICLE V
ACCREDITATION OF TEST ENGINEERS

SECTION 10. Eligibility and Application Procedures

10.1 New Application

All Test Engineers who will perform testing and evaluation of agricultural and fisheries machinery shall be accredited by the BAFE based on the following qualifications:

- a. Registered ABE with valid Professional Regulation Commission (PRC) Identification Card (ID).
- b. Has relevant training/experience in testing and evaluation of agricultural and fisheries machinery;
- c. Is able to communicate effectively in English, both written and oral;
- d. Willing to undergo all screening requirements and accreditation course for Test Engineers to be conducted by BAFE, UPLB-AMTEC and PSAE; and
- e. Knowledgeable with the PNS / PAES.

Applicants interested to become accredited Test Engineers shall submit duly accomplished application form (Annex B) together with the following supporting documents to the BAFE:

- a. Valid PRC ID Card as Agricultural and Biosystems Engineer; and
- b. Certificate of Trainings and/or proof of professional experience relative to testing and evaluation.

The BAFE shall conduct initial screening of applications. The screening shall include review of the completeness and validity of the submitted documents.

Only valid and eligible applications shall be processed.

BAFE and AMTEC shall administer an examination to eligible applicants.

The BAFE shall notify the applicants on the result of their examination five (5) days after the exam.

The BAFE shall endorse the list of passers to the TEAAC for review and recommendation. Thereafter, BAFE shall conduct final review and issue CoA, which shall have the same validity period as the PRC license.

10.2 Renewal

Test Engineers applying for renewal of accreditation shall submit duly accomplished application form (Annex B) together with the following supporting documents to the BAFE:

- a. Valid PRC ID as Agricultural and Biosystems Engineer; and
- b. Acceptable proof of involvement in machinery testing and evaluation as determined by BAFE.

An application for renewal of CoA as Test Engineer may be filed with the BAFE within two (2) years after the expiry date.

In case the Test Engineer cannot renew his/her accreditation within two years, he/she should reapply for accreditation.

ARTICLE VI SCHEDULE OF FEES AND CHARGES

AMTEC or any accredited testing center is authorized to impose testing fees to cover expenses to be incurred in the conduct of the test. The testing fee of accredited test centers shall be in accordance with the guidelines to be promulgated by the DA Secretary thru BAFE.

Pending the promulgation of the guidelines on the schedule of testing fee, the AMTEC Testing fees (Annex D) may serve as a reference for accredited test centers.

The BAFE shall impose certification fee (for Certificate of Compliance) and accreditation fee (for Test Engineer) in accordance with the guidelines to be promulgated by the DA Secretary thru BAFE.

ARTICLE VII FINAL PROVISIONS

SECTION 11. Penalties and Sanctions

BAFE shall impose, when warranted, any of the following applicable administrative penalties after due notice and hearing:

11.1 For Manufacturers/Distributors/Dealers/Suppliers that sell agricultural machinery that are not tested, certified or conforms to the specifications and set standards:

- a. The imposition of an administrative fine, which shall be equivalent to the cost of machinery plus damages and losses incurred by the consumer;

- b. The recall, replace, seizure, forfeiture or condemnation of the agricultural and fisheries machinery or refund of the money value of defective products distributed in commerce;
- c. The withholding or cancellation of any permit, license, authority, or registration, which may have been granted by the Department, or the suspension of the Compliance Certificate issued thereof for such period of time as the BAFE and TEAAC deem reasonable which shall not however, exceed one year; and
- d. The submission of a recommendation to the LGU concerned, through proper channel, for the cancellation/suspension of a Mayor's Business Permit for one year in case of repeated commission of violations.

11.2 For any ABEs who undertake testing without accreditation or provided deliberate erroneous testing and interpretation of test result:

- a. The imposition of an administrative fine, which shall be equivalent to the cost of machinery;
- b. The suspension of the Certificate of Accreditation issued thereof for such period of time as the BAFE and TEAAC may deem reasonable, which shall not however, exceed one year; and
- c. The submission of a recommendation to the PRB-ABE, for the suspension or cancellation of the PRC ID as the circumstances may warrant.

SECTION 12. *Separability Clause*

Should any provision of this Department Circular or any thereof be declared invalid, the other provisions, so far as they are separable, shall remain in force and effect.

SECTION 13. *Repealing Clause*

All existing Circulars, rules and regulations, or parts thereof, in conflict with, or inconsistent with any provisions of this Circular are hereby repealed or modified accordingly.

SECTION 14. *Effectivity*

This Circular shall take effect upon approval of the DA Secretary and fifteen (15) days upon its publication in a newspaper of general circulation. Three (3) copies of this circular shall be sent to the University of the Philippines Law Center.

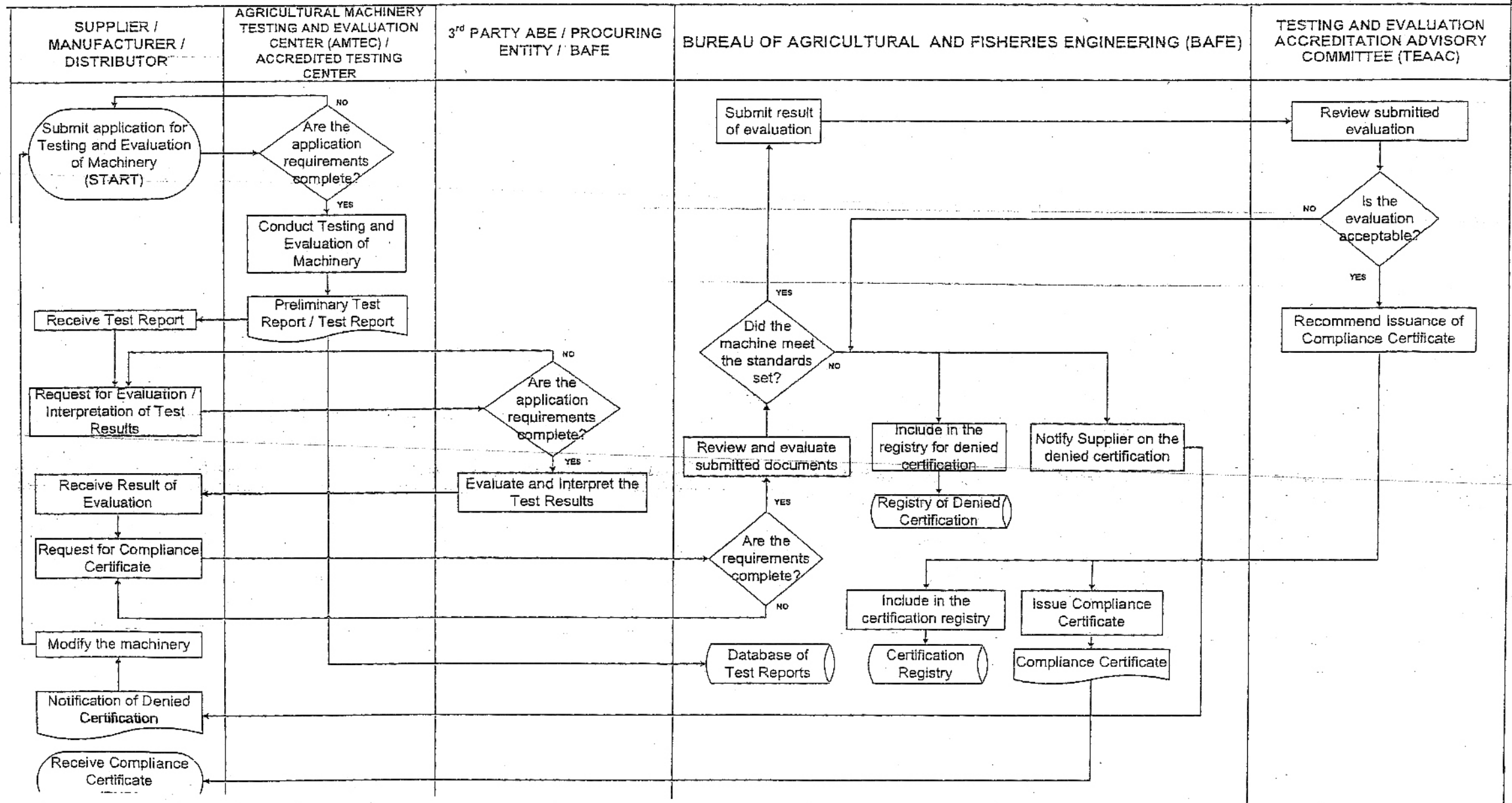
Approved and promulgated this 16th day of May 2017.

EMMANUEL F. PIÑOL
Secretary

DEPARTMENT OF AGRICULTURE
In replying pls cite this code :
For Signature: S-05-17-0096
Received : 05/05/2017 09:46 AM

ANNEX A. CROSS-FUNCTIONAL FLOW CHART FOR TESTING AND EVALUATION OF AGRICULTURAL AND FISHERIES MACHINERY

TESTING AND EVALUATION OF AGRICULTURAL AND FISHERIES MACHINERY



ANNEX B
APPLICATION FORM FOR TEST ENGINEERS



Republic of the Philippines
Department of Agriculture
Bureau of Agricultural and Fisheries Engineering
Elliptical Road, Diliman, Quezon City
Telefax: (02) 941-8151 Email: oed.bafe@gmail.com
ACCREDITATION OF TEST ENGINEERS

APPLICATION FORM

APPLICATION NO. <div style="display: inline-block; width: 40px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> - <div style="display: inline-block; width: 60px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 40px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 40px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 40px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> <div style="display: inline-block; width: 40px; height: 20px; border: 1px solid black;"></div>		<div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 150px;">ID picture taken within the last 6 months 3.5 cm. X 4.5 cm (passport size)</div> <div style="margin-top: 10px;">Computer generated or xerox copy of picture is not acceptable</div>		
To be filled out by the processing officer		RIGHT THUMBNAI		
TYPE OF APPLICATION <div style="display: inline-block; width: 30px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> New <div style="display: inline-block; width: 30px; height: 20px; border: 1px solid black; margin-right: 5px;"></div> Renewal				
DATE OF APPLICATION : _____ DATE OF EXAMINATION : _____				
EXAMINATION SCO				
PERSONAL INFORMATION				
NAME (SURNAME, FIRST NAME, MIDDLE NAME) _____				
PRC LICENSE NUMBER _____		VALID UNTIL _____		
HOME ADDRESS (NO. & STREET, BARANGAY, TOWN/CITY, PROVINCE) _____				
NATIONALITY _____	BIRTHDAY (DD/MM/YYYY) _____	CIVIL STATUS _____		
OFFICE ADDRESS (NO. & STREET, BARANGAY, TOWN/CITY, PROVINCE) _____				
POSITION _____	EMPLOYEE ID NUMBER _____	NO. OF YEARS IN SERVICE _____		
HOME TEL. NO. _____	MOBILE NO. _____			
OFFICE TEL. NO. _____	EMAIL ADDRESS _____			
EDUCATIONAL BACKGROUND				
LEVEL		NAME OF SCHOOL	YEAR GRADUAT	
College / University		_____	_____	
Masteral / Graduate Studies		_____	_____	
WORK EXPERIENCE				
INCLUSIVE DATES (mm/dd/yyyy)		POSITION TITLE (Write in full)	DEPARTMENT / AGENCY / OFFICE / COMPANY (Write in full)	STATUS OF APPOINTM
From	To			

ANNEX B
APPLICATION FORM FOR TEST ENGINEERS

TRAINING PROGRAMS				
Title of Seminar / Conference / Workshop / Short Courses (Write in full)	Inclusive Dates of Attendance (mm/dd/yyyy)		Number of hours	Conducted/Sponsored (Write in full)
	From	To		

** Please use separate sheet if necessary*

Certified Correct:

Printed Name and Signature of Applicant
Date accomplished: _____

TERMS AND CONDITIONS

- ## EXAMINATION COVERAGE

ADMISSION SLIP

NOTE: Bring this Admission Slip on your examination day.

ANNEX C. INSTITUTIONAL ROLES AND RESPONSIBILITIES

Roles of the National Government and Other Offices- The roles and responsibilities of offices in the implementation of testing and evaluation of performance of agricultural and fisheries machinery shall be as follows:

- a. **Bureau of Agricultural and Fisheries Engineering (BAFE)** - The BAFE as the national repository of the registry of agricultural and fisheries machinery shall be responsible in the consolidation, storage and retrieval of agricultural and fisheries machinery data from the accredited testing centers, procuring entity and agricultural and biosystems engineers. It shall issue Certificate of Accreditation to Testing Centers, Accreditation to Test Engineers, and Compliance Certificate to agricultural and fisheries machinery, in coordination with AMTEC and other concerned agencies. In addition, it shall keep and maintain the certification registry and registry of denied certification.
- b. **University of the Philippines Los Baños – Agricultural Machinery Testing and Evaluation Center (UPLB – AMTEC)** – The UPLB – AMTEC as the premiere and reference testing center for agricultural and fisheries machinery in the country shall conduct testing and evaluation of agricultural and fisheries machinery, publish test results and provide technical assistance in the establishment and operation of testing centers in the country.
- c. **Regional Agricultural Engineering Division (RAED) of the Regional Field Office (RFO)**– The RAED shall conduct testing and evaluation of farm machinery as part of the post-qualification of bidders prior to the execution of award by the procuring entity and payment / acceptance for distribution to respective recipients. Said testing shall be conducted but not limited to machine/equipment performance emphasized by the procuring entity and capability of the test equipment.
- d. **Agricultural Engineering Division / Section (AED/AES) of Local Government Units (LGUs)** - The AED/AES of LGUs shall conduct testing and evaluation of farm machinery as part of the post-qualification of bidders prior to the execution of award by the procuring entity and payment / acceptance for distribution to respective recipients. Said testing shall be conducted but not limited to machine/equipment performance emphasized by the procuring entity and capability of the test equipment.
- e. **Professional Regulation Board of Agricultural and Biosystems Engineering (PRB-ABE)** –The PRB – ABE as the national administrative body shall supervise and regulate the practice of agricultural and biosystems engineering including the practice of Test Engineers.
- f. **Bureau of Agricultural and Fisheries Standards (BAFS)** – The BAFS, in coordination with BAFE and concerned DA bureaus and attached agencies, BoA, DTI, DOST and UPLB- AMTEC, and in consultation with the accredited associations of farmers and fisherfolks, agricultural machinery assemblers, manufacturers and distributors and agricultural engineers, shall develop standards specifications and test procedures for agricultural and fishery machinery, update existing standards under the PAES, and formulate accreditation guidelines for testing centers.

ANNEX D. AMTEC TEST AND EVALUATION FEE RATES

Agricultural Machines	Fee (Php)
Abaca Stripper	8,000
Agricultural Trailer	7,000
Biomass Furnace	9,000
Biomass Shredder	8,000
Captive Bolt	8,000
Centrifugal Mixed Flow and Axial Flow Water Pumps	9,000
Chipping Machine	8,000
Coconut Coir Decorticator	8,000
Coconut Oil Expeller	8,000
Coffee Pulper	8,000
Corn Mill	9,000
Corn Picker	9,000
Crystallizer	8,000
Dehairing Machine	8,000
Dehider	8,000
Dehusked Corn Dryer	9,000
Disc Harrow	7,000
Disc/Moldboard Plow	7,000
Drilling Rig	9,000
Electric Motor	7,000
Fans and Blowers	7,000
Feed Mixer	7,000
Fiber Decorticator	8,000
Field Cultivator	7,000
Forage Chopper	8,000
Four-Wheel Tractor	10,000
Fruit Dryer	9,000
Furrower	7,000
Granular Fertilizer Applicator	7,000
Granule Applicator	7,000
Hammer Mill	9,000
Hand Pump	8,000

ANNEX D. AMTEC TEST AND EVALUATION FEE RATES

Agricultural Machines	Fee (Php)
Heated-Air Mechanical Dryer	9,000
Hog Electric Stunner	8,000
Hog Restrainer	8,000
Hog Scalding	8,000
Lever-Operated Knapsack Sprayer	9,000
Mechanical Rice Thresher	9,000
Mechanical Rice Transplanter	7,000
Micromill	9,000
Mist Blower	8,000
Multicrop Juice Extractor	8,000
Multicrop Micromill	9,000
Multicrop Washer Peeler	8,000
Overhead Rail System for Hogs	8,000
Overhead Rail System for Large Ruminants	8,000
Peanut Sheller	8,000
Platform	8,000
Power Sprayer for Mango	9,000
Power-Operated Corn Sheller	8,000
Rice Drum Seeder	7,000
Rice Mill	9,000
Rice Reaper	7,000
Roll-over Protective Structure	7,000
Rotating Sprinkler Head	8,000
Rubber for Rice Mill	9,000
Seeder and Planter	7,000
Small Engine	9,000
Soil Auger	8,000
Splitting Saw for Hog carcass	8,000
Splitting Saw for Large Ruminants	8,000
Spring Tooth Harrow	7,000
Stunning Box/Knocking Pen	8,000
Subsoiler	7,000

ANNEX D. AMTEC TEST AND EVALUATION FEE RATES

Agricultural Machines	Fee (Php)
Sugarcane Planter	7,000
Walking-type Tractor	9,000
Weeder	7,000

Reminder:

- AMTEC Testing Fees are highly subsidized by the University of the Philippines Los Baños and may vary accordingly.
- The testing fee does not include the transportation, test area, test sample, oil, fuel and the like.
- Fees of machines not included in this list shall be discussed with AMTEC test engineers.