THE PILLARS OF FUNCTIONING CERTIFICATION SCHEMES: TRANSPARENCY, IDENTIFICATION, CONFORMITY

4TH ANNUAL MEETING OF THE ASIAN AND PACIFIC NETWORK FOR TESTING OF AGRICULTURAL MACHINERY (ANTAM)

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General Index

- General Overview
- Certification Scheme
- What is certification
- Certification Scopes
- Certification Process
- Benefits of Certification
- Agric. Machinery Certification
- Transparency
- Identification
- Conformity
To promote sustainable agriculture a system for the assessment of the technical characteristics is required. The **certification** of safety, performance and sustainability of agricultural machines is the answer.

The ANTAM network aims to promote **harmonization of testing codes and standards** of agricultural machinery applied in the Asia-Pacific Region. The **close cooperation among different stakeholders and testing stations** will ensure farmers an easy access to quality mechanization.
Certification is a guarantee for fulfilling the 3 pillars of safety:

- safety of the operator = reduction of social cost for injuries
- safety of the environment = less pollution (COP23), sustainable system
- safety of agricultural production = improvement of food security
CERTIFICATION SCHEME

Products traded within a certification scheme provide for guarantees through the certification rules and requirements.

TECHNICAL ASPECTS

PROCEDURAL ASPECTS
WHAT IS CERTIFICATION

The provision by an independent body of written assurance (a certificate) that the product, service or system in question meets specific rules and requirements, in accordance with established requirements or standards by an accredited body.
CERTIFICATION SCOPES

✓ Certification can be a useful tool to add credibility, by demonstrating that the product or service meets the expectations of the market/customers.
✓ Certification can be a legal or contractual requirement.
✓ Certification can have a priority in receiving subsidies.
The process for certification of a product is generally summed up in four steps:

- **Application**
- **Testing and Evaluation** (does the test data indicate that the product meets qualification criteria)
- **Analysis and Verification** of Test results
- **Decision and release of the Certificate**
- **Surveillance** (does the product in the marketplace continue to meet qualification criteria)
CERTIFICATION PROCESS in detail

REQUEST → TESTING → EVALUATION OF TEST REPORTS

PUBLICATION ← RELEASE CERTIFICATE ← VALIDATION

PERIODIC SURVEILLANCE
The certification process provides that the product to be certified is tested by an accredited testing laboratory in accordance with the procedural and the technical aspects.

If the evaluation states that the testing data meet all the technical aspects the report is sent to the Deliberative Committee for final evaluation of technical and procedural aspects.
With approval of the Deliberative Committee the final document is forwarded back to the applicant for final approval. (fundamental to provide transparency and privacy)

If product is deemed "certified" by the Deliberative Committee and is approved by the applicant it is listed in a directory by the Certification Body.
Products often need periodic re-certification, also known as **surveillance**. This requirement is typically identified within the certification scheme that the product is certified to.

Other examples of surveillance activities include surprise audits of the manufacturing plant, supervision of the manufacturing and/or testing process in order to ensure that the certified product has not changed.

Other causes for re-certification may include complaints issued against the product's functionality and expiration of the original certification.
BENEFITS OF CERTIFICATION

- Best guarantee of products
- Easy identification of roles and responsibilities
- Compliance of products to specific requirements
- Performance and safety assurance
- Guarantee for public bodies
MACHINERY CERTIFICATION

The certification recognizes and defines the requirements for effectiveness and efficiency for the design, manufacture, sale and support of machines for the use on agricultural land.

The machinery Certification provides for:

- **Safety**
- **Performance**
- **Ergonomics**
- **Added value**
- **High Quality**
Public institutions can rely on certification schemes to assess the safety, performance etc. of machinery that could be included in public initiatives or subsidies in support of the diffusion of sustainable and quality agricultural mechanization.
Certifications of agricultural machinery enable farmers to evaluate and compare the possible choices in the growing machinery market.

The objective is to allow end-users, to evaluate the real performance and to provide adequate information to introduce a given kind of technology.

The machinery certification enables the stakeholders to gain the required approvals needed to import the products around the world.
In order to promote transparency throughout the certification scheme, the evaluation of the testing reports should always be carried out by a third party without direct interest in the economic relationship between the supplier and buyer.

This is important because, for example, standards can be developed by any of the actors which tend to reflect their interests in the standards.

Alternatively, if the standard setting and the certification body are represented by the same organization, this can also cause conflicts of interest (e.g. prejudice against certain types of producers).
Transparent certification procedure conducted by a financially independent and impartial third party.
The identification of the product being tested is important because it makes possible a clear definition of the product as a sample of a serial production.
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Conformity assessment provides for a declaration assessing that every machine carrying the same certification number is equivalent.

The conformity allows and remove the technical barriers preventing the free movement of products.

With a clear procedure the responsibility of the conformity will rely only on the manufacturer/importer.
To provide confidence to the market about the ability of the producer to obtain and maintain conformity of products. For this reason the certification mark, may be used for a specific period of time.

**Primary Objectives**

- Offer to consumers *confidence* on the reliability of a certified product
- Ensure *impartiality* of judgment in the interest of all parts involved
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FOR YOUR ATTENTION

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