Work Report 2017

Camila Stelitano

Programme Specialist, United Nations Economic and Social Commission for Asia And The Pacific, Centre for Sustainable Agricultural Mechanization

Manila, the Philippines, November 22-24, 2017

ANTAM Work Report 2017

- CSAM has outlined three implementation phases :

1. Development of region wide agricultural standards that reflect the agricultural and technological needs of countries in Asia and the Pacific (2014-2016);

2. Establishment of a network of testing stations able to perform the standardized ANTAM Codes and produce consistent test reports (2017-2020);

3. Establishment of a mutual recognition agreement of for test results produced under the ANTAM umbrella (2021-2023).

ANTAM Work Report 2017

- Revision of ANTAM Codes;

- Capacity building:
  - Training of Trainers;
  - Field visits;
  - Round- robin test.

- ANTAM procedures development:
  - ANTAM procedures;
  - New mechanism to update the Codes.

- Analytical work;

- Partnership development.

Revision of ANTAM Codes

- In March 2017, the ANTAM Secretariat welcomed additional representatives to the Technical Working Groups:
  - Bangladesh,
  - India,
  - Indonesia,
  - Japan,
  - Malaysia,
  - Pakistan,
  - Turkey,
  - Vietnam.

- 3 TWGs composed of a total number of 29 representatives from 15 ESCAP member countries.

ANTAM Codes Development

To integrate technical suggestions provided by focal points after the 3rd ANTAM Annual Meeting:

- Between April and May, the TWG on Power Tillers held 7 rounds of online technical negotiations.
- Between March and May, the TWG on Powered Knapsack Misters-Cum-Dusters held 6 rounds of online consultations.
- Between March and May, the TWG on Paddy Transplanters held 9 online meetings.

- Online consultation were based on written feedbacks forms as well as online discussions.

- All member countries comments have been addressed in writing.

- The summary of all the discussions as well as the written feedbacks to member countries can be freely consulted online:

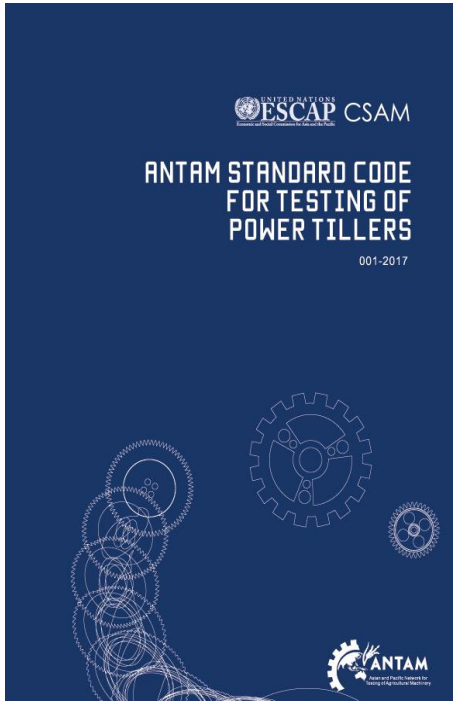
  - 001 Power Tillers https://www.dropbox.com/sh/avvd9w5ilnpzyyr/AADt3AvQfaiExB9ff4j5WyHAa?dl=0
  - 002 Misters- Cum-Duster https://www.dropbox.com/sh/6cupj0gyila7d9l/AACd8uaFClBYUaQ9O9cMOamYa?dl=0
  - 003 Paddy Transplantershttps://www.dropbox.com/sh/iczzyhsojqn8ygf/AAAP-9PtXR5JAF_kdUtka3qFa?dl=0

ANTAM Codes Development

The 3rd Meeting of ANTAM TWGs, May 24-27, 2017 Dhaka, Bangladesh

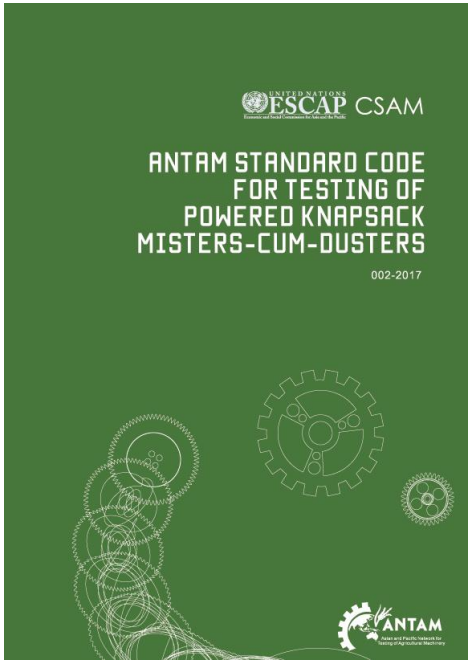
ANTAM 001-2017

- The ANTAM Test Code on Power Tillers is formulated by referring to existing standards from the IEC, the ISO, and the OECD and national standards from China, India, Indonesia, Philippines, and Thailand to reflect regional conditions.



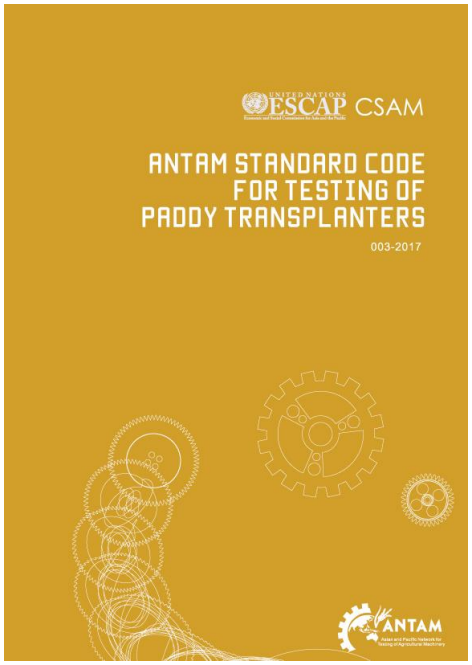
ANTAM 002- 2017

- The ANTAM Test Code on Powered Knapsack Misters-Cum-Dusters was formulated by referring to standards developed by the ISO the ANSI and by merging relevant national standards from China, India, Russia and Vietnam to reflect unique regional conditions.



ANTAM 003- 2017

- The ANTAM Test Code on Paddy Transplanters was formulated by referring to ANTAM Standards 001-2016 and 002-2016, standards developed by the ISO, RNAM and by merging relevant national standards from China, India, and Japan to reflect unique regional conditions.



The 3rd Training of Trainers on ANTAM Codes

- Held in Nanning, China, on September 11-17, 2017 to instruct Asian testing engineers on the application of the ANTAM Code for Testing of Paddy Transplanters (003-2017).

- Co-organized with China Agricultural Machinery Testing Centre of the Ministry of Agriculture of China (CAMTC- MoA).

- 23 engineers from 15 countries in the Asia-Pacific region.
- 3 international trainers from Malaysia, China and Japan.
- The training curriculum provided comprehensive knowledge of testing standards and enabled participating engineers to utilize the ANTAM Test Code in their home countries.
- The training manual is available online:
  http://www.un-csam.org/publication/ANTAM2017/TM.pdf

ANTAM Field Visits

- In 2016, CSAM circulated an application form to gather preliminary information on participating countries' capacity to perform the Codes and interest in being selected for ANTAM Field visits.

- Bangladesh, Nepal, Philippines, Malaysia and Sri Lanka submitted a written application.

- Based on the information collected and other strategic programmatic priorities, CSAM selected China and the Philippines as the first two destinations for ANTAM field visits.

ANTAM Field Visits

- Experts at CSAM are in the process of developing targeted capacity building strategies that detail needed infrastructural and human resources updates needed to be accredited as ANTAM official testing stations.

ANTAM Round-Robin Test

- First interlaboratory test amongst ANTAM participating testing stations.

- Based on the applications gathered in early 2017, six ANTAM participating countries volunteered to take part in the test:
  China, France, Malaysia, Philippines, Sri Lanka and Turkey.

- The analysis of test reports will enable CSAM to compare discrepancies results and provided precise information on the existing level of testing capacities in the participating countries.

Proposal on ANTAM Procedures

- CSAM in collaboration with ANTAM Technical Reference Unit has developed a proposal to support the development of a functional mutual recognition certification system.

- The proposal presents an overview of international testing practices, including definitions, roles and responsibilities of participating bodies and serves as a proposal on future ANTAM mechanisms.

- The proposal has been shared with all focal points in participating countries on November 9, 2017.

ANTAM Codes Update Mechanism

- CSAM proposed to conduct technical negotiations once every two years and unless more than 5 participating countries request for the Codes to be updated.

- The alternation of negotiation years aims to concentrate CSAM efforts toward the strategic objectives of the project including practical application of Codes and Round Robin tests.

Analytical Work

- CSAM has prepared lists of facilities and equipment needed to apply for accreditation to perform ANTAM 001-2016; ANTAM 002-2016; ANTAM 003-2016.

- The list are **consultative documents** for the annual meeting and will used by the TWGs as basis to develop the official technical requirements in 2018.

- **Survey=** up to date data on the status of testing facilities and member countries testing capabilities.

- Out of the 19 participating countries a total number of 14 countries replied to the survey:

- ANTAM 001-2016= 5 positive replies.
  (3 member countries can not perform parking brake test; 2 countries stated noise measurement and drawbar performance test can not be performed; 1 country can not conduct turning ability test)

- ANTAM 002-2016= 7 positive replies
  (1 station said novibration, vertical deposition, and hose erogation test)

- ANTAM 003-2017= 8 positive replies

- The ANTAM Secretariat is currently working on a paper analyzing the relation between standardization and the Sustainable Development Goals.

- As part of the ANTAM Japan Cooperation Project CSAM is in the process of hiring one translator to translate Japanese national standards into English to be submitted to the attention of the TWGs.

Partnership Development

- On January, 2017 ESCAP signed the first phase of the ANTAM Cooperation Project with Japan, which was renovated for a second phase on June 9, 2017:
  - Deployment of one expert from Japan to CSAM;
  - Contribution to the development of ANTAM 003-2017;
  - Participation to field visits in China;
  - Assisted in the training and field practices during the 3rd Training of Trainers;
  - Financially supported aspects of the ANTAM work in 2017 including the field visits to the Philippines, China, costs related to meetings organization and the round-robin test.

- On October, 2017 one representative from the ANTAM Secretariat attended the 19th OECD Test Engineer's Conference in Japan.

- The meeting offered valuable insights regarding areas to be further developed in the ANTAM and highlighted possible issues to borne in mind during the technical work such as the importance of consensus, confidentiality and accuracy.

ANTAM
Asian and Pacific Network for Testing of Agricultural Machinery

THANK YOU