# APLMF Survey on the test procedure for the verification of rice moisture meters with a digital indication

Economy Name: ________________________________________________________________

Name of person completing the survey: _____________________________________________

Organisation responsible for the tests procedures within your economy: _________________

- Please complete this survey to indicate how your economies current test procedures align with the test procedures described below.
- Only tick (✓) one box per test.
- Send your completed survey to Secretariat@aplmf.org by:______________

## Survey

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Procedures Description</th>
<th>Fully aligns</th>
<th>Partially aligns</th>
<th>Does not align</th>
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</table>
| Environmental condition| ● The room temperature is in a range from 20 °C to 30 °C (with stability within ±1 °C).  
● The relative humidity is in a range from 30 % to 70 % (with stability within ±5 %).  
● Place the moisture meter under test (MUT) and reference samples at the constant environmental condition at least 3 hours before the test.                                                                                      |              |                  |                |
| Reference samples      | ● Prepare a set of reference samples of rice with different levels of moisture content (5 levels or more).  
● The above levels shall include a range of moisture content from 10 % to 20 %.  
● Each sample shall be homogenized.  
● The reference values of moisture content of the reference samples have been measured in advance with a reference (dry oven) method or a primary standard moisture meter.                                      |              |                  |                |
### Visual and electrical inspections

- There are no damages in the housing, display and sample holder.
- LCD (liquid crystal display) functions correctly.
- Instrument temperature agrees with the room temperature within ± 3 ºC.
- Battery voltage is within a normal range (use a self-checking function).
- Electrical performance of the meter is normal (use a checker-kit).

### Measurement of errors

- Measure moisture contents of the reference samples using the moisture meter under test (MUT) at different levels (5 levels or more).
- Repeat at least 5 measurements at each level of moisture content.
- Averages of the measurement results agree those of reference samples within MPE (maximum permissible error) specified by the national/regional authority.

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Thank you for completing this Survey

Best Regards

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