

# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**IEC 61215-1**  
Edition 2.0 2021-02

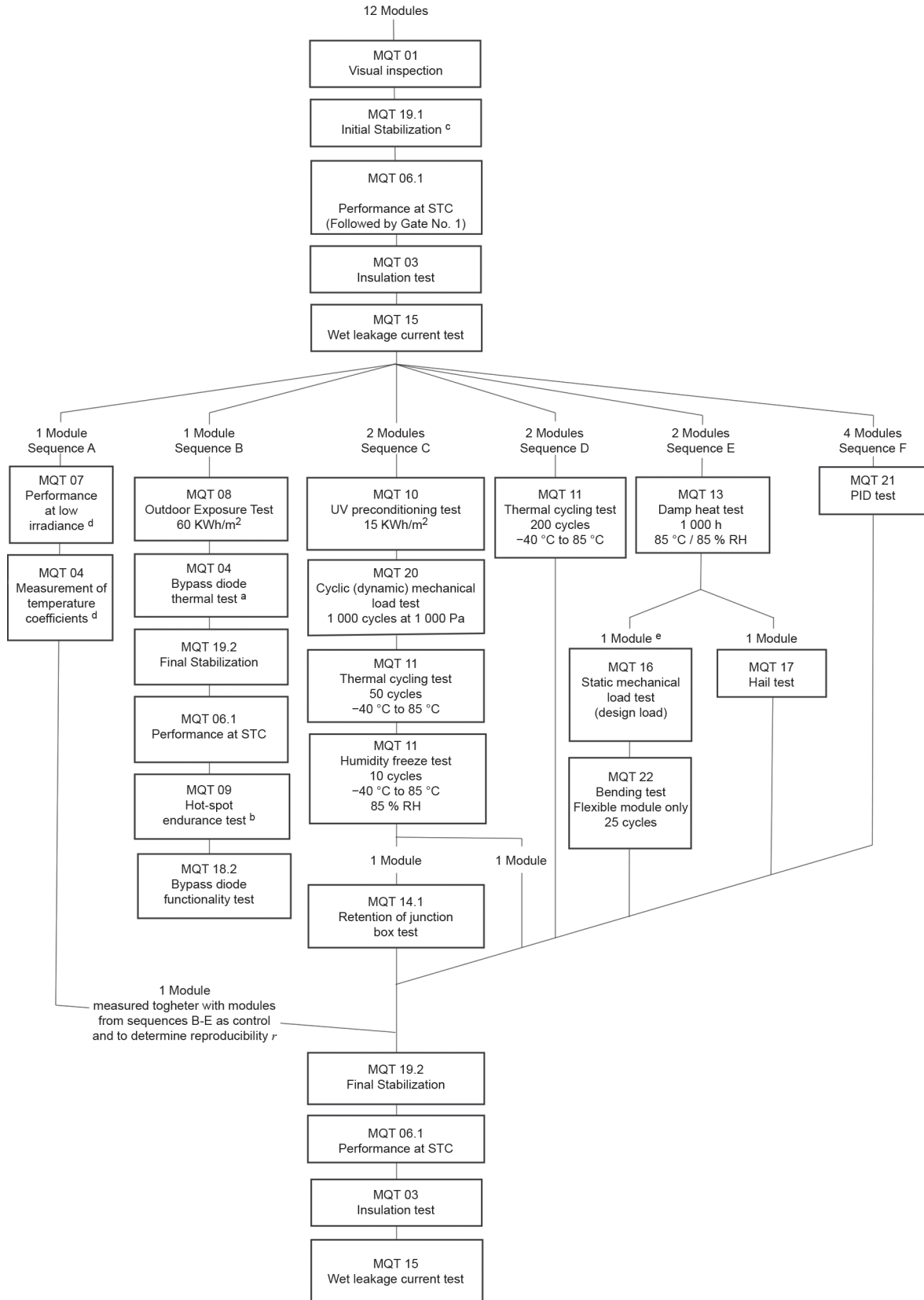
**TERRESTRIAL PHOTOVOLTAIC (PV) MODULES –  
DESIGN QUALIFICATION AND TYPE APPROVAL –**

**Part 1: Test requirements**

## **CORRIGENDUM 1**

*This correction applies only to the English version.*

Replace the existing Figure 2 by the following new Figure 2.



- <sup>a</sup> If the bypass diodes are not accessible in the standard modules, a special sample can be prepared for the bypass diode thermal test (MQT 18.1). The bypass diode should be mounted physically as it would be in a standard module, with lead wires attached, as required in MQT 18 of IEC 61215-2:2021. This sample does not have to go through the other tests in the sequence.
- <sup>b</sup> In sequence B, a different module may be used for the Hot-spot endurance test (MQT 09) than is used for the bypass thermal diode test (MQT 18.1). For this separate module the following test sequence is permissible:  
MQT 01, MQT 19.1, MQT 06.1 (gate 1), MQT 03, MQT 15, MQT 09, and MQT 18.2.  
MQT 17
- <sup>c</sup> The initial stabilization MQT 19.1 may include the verification of an alternate stabilization procedure (see IEC 61215-2:2021).
- <sup>d</sup> In Sequence A, tests MQT 07, and MQT 04 may be performed in any order. These tests may also be performed on separate modules (rather than sequential tests on one module), provided that each module used has proceeded through the entire test flow preceding sequence A.
- <sup>e</sup> If representative samples are utilized in Sequence E, one extra module, full-sized, is required, and shall be subjected only to MQT 16 and the requirements therein.

**Figure 2 – Full test flow for design qualification and type approval  
of photovoltaic modules**