

# WG2 Status

May, 2008

# 2<sup>nd</sup> Editions Published

- **IEC 60904-1:** *Photovoltaic devices – Part 1: Measurements of photovoltaic current-voltage characteristics*
- **IEC 60904-2:** *Photovoltaic devices – Part 2: Requirements for reference solar devices*
- **IEC 60904-3:** *Photovoltaic devices – Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data*
- **IEC 60904-9:** *Photovoltaic devices – Part 9: Solar simulator performance requirements*
- **IEC 61215:** *Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval*
- **IEC 61646:** *Thin Film terrestrial photovoltaic (PV) modules – Design qualification and type approval*

# Status

- Rescinded Standards
  - IEC **60904-6**: *Photovoltaic devices – Part 6: Requirements for reference solar modules*
  - IEC **61721** – Accidental Impact Test
- Circulating for Review
  - IEC **61853** Part 1: *Performance testing and energy rating of terrestrial photovoltaic (PV) modules*
- Meetings
  - May, 2007 – Toronto, Canada
  - Oct, 2007 – Titisee, Germany
- Next Meetings
  - Oct, 2008 – Pusan (Busan), Korea
  - May, 2009 – Luftborough, Great Britain

# Ready for Circulation

- **IEC 60904-7:** *Photovoltaic devices – Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device* (*finalized and circulate as CDV*)
- **IEC 60904-10:** *Photovoltaic devices – Part 10: Methods of linearity measurements* (*finalized and circulate as CDV*)
- **IEC 60904-4** – *Traceability of PV Reference Devices* (Should be ready for distribution as NWIP after Tokyo meeting) (*Finalized and circulate as CDV*)
- **IEC 60891:** *Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic (PV) devices* (*Finalized and circulate as a CDV*)
- **IEC 61853 Part 2:** *Performance testing and energy rating of terrestrial photovoltaic (PV) modules* (*Finalized and circulate as a CD*)

# Under development

- Edition 2 of IEC **60904-5**: *Photovoltaic devices – Part 5: Determination of equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method* (*Requires one more review by WG2 – scheduled as CDV by August 1, 2008*)
- Edition 2 of IEC **60904-8**: *Photovoltaic devices – Part 8: Guide for the measurement of spectral response of a photovoltaic (PV) device* (*Draft prepared – will review at next WG2 meeting*)
- Edition 2 of IEC **61701** (FF) – *Salt Mist Corrosion of PV Modules* (*Draft prepared – will review at next WG2 meeting*)
- Edition 3 of IEC **61215**: *Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval* (*Working on edition 3*)
- IEC **61853** Parts 3 and 4: *Performance testing and energy rating of terrestrial photovoltaic (PV) modules* (*Have preliminary draft for Part 3 – nothing for part 4*)
- *Materials Testing –NWIP* (*Developing concepts*)
- *Problems with 61730 - Module Safety Standard* (*Planning a second edition*)

# Edition 3 of IEC 61215

- Make maximum power at STC a pass/fail criteria.
- Add retest guidelines.
- Completely change the hot spot test.
- Update the other tests to be consistent with changes in IEC 61646.