

# **WG1**

# **Solar Photovoltaic (PV) Vocabulary**

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# Purpose of IEC TC82 WG1

- Scope

To record the terms and definitions that the solar PV industry uses worldwide and that are contained in all the documents produced by IEC TC82 and other PV organisations

- Objective

- To consolidate the terms and definitions
- To develop the definitions clearly and concisely

# WG1 Members

- **Hidenori Shimizu**      **Japan**
  - WG1 ConvenorInternational Standards Engineering Service  
Organises WG, plans WGs work,  
arranges for meetings and chairs meetings
- **Gordon Howell**      **Canada**
  - IEC 61836 Project LeaderHowell-Mayhew Engineering  
Writes the document, sends out revisions to  
members, solicits comments and discussion
- **André Claverie**      **France**      ADEME
- **Giuseppe Chimento**      **Italy**      ENEL
- **Yohei Deguchi**      **Japan**      JEMA
- **Hironori Yamashita**      **Japan**      Kyocera
- **Nuria Martin Chivelet**      **Spain**      CIEMAT

With valuable participation at meetings from **China** and **Korea**

# WG1 Status

- IEC/TS 61836 Technical Specification  
Solar PV energy systems – Terms, definitions and symbols
  - Edition 2.0 published in December 2007
    - Can be purchased from IEC website at [www.iec.ch](http://www.iec.ch), for CHF 215
  - A complete compilation of all PV terms and symbols
  - WG1's sole document

# IEC/TS 61836 Edition 2.0 2007-12

## – Terms, definitions and symbols –

- Contains 10 sections of terms:
  1. 69 terms    Photovoltaic cells and modules
  2. 40            Photovoltaic systems components
  3. 87            Photovoltaic systems
  4. 125          PV system and component performance parameters
  5. 13            Measurement devices
  6. 56            Environmental parameters
  7. 47            Quality and testing
  8. 17            Concentrator PV
  9. 9             Project management
  10. 5            Miscellaneous

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– **470 terms in total**

– 35 additional acronyms and abbreviations

# Next steps – Prepare Edition 3

- Maintenance Cycle Report
  - sent to TC82 Secretariat
- Adjust of terms in Edition 2
  - if we receive strong comments and proposals
- Add new terms, definitions and symbols
  - 310 additional terms and definitions already in line to be added
  - using our document “Principles for selecting terms to be used in the International Photovoltaic Vocabulary”, available from TC82 Secretariat
  - expect to receive more terms and definitions from:
    - other WGs, other TCs, other standards organisations,
    - plus IEA PVPS and national/regional organizations...

# WG1 Goals

- Develop strong collaboration and partnership with all WGs
  - WGs to make a presentation to WG1 on the new terms on which they are working
  - Started already with WG7 (Concentrator PV)
- Disseminate draft Edition 3 to all WGs for comment
- Have TC82 PV vocabulary inserted into the [www.electropedia.org](http://www.electropedia.org), the on-line International Electrotechnical Vocabulary (IEV)

# We believe...

To communicate consistently and clearly to our stakeholders

(clients, businesses, countries ...

everyone who has an interest in the development of PV)

The world needs a PV vocabulary and needs TC82 to develop it...

Thank you to National Committees  
for sending your experts