

SS 601: CODE OF PRACTICE FOR MAINTENANCE OF GRID-TIED SOLAR PHOTOVOLTAIC (PV) POWER SUPPLY SYSTEM

COURSE OVERVIEW

The grid-tied solar PV system has a designed lifespan of more than 20 years and the system is expected to operate safely, reliably and performed as designed under all the harsh environments of different natural and induced stresses (temperature-humidity, dust, rain, UV, wind load)

COURSE OBJECTIVES

The objective of the workshop is to equip the participants the knowledge to ensure that the PV modules and balance of system components used are certified in accordance with international standards, particularly with regards to performance and safety.

TARGET AUDIENCE

- Licensed Electrical Workers (LEW)
- M&E Consulting Engineers
- PV System Maintenance Engineers
- Building Owners, Developers, Facility Managers & Manufacturers
- Engineering Procurement Company (EPC)
- Relevant Government Agencies

**PDU AWARDED TO
SCEM & PROFESSIONAL
ENGINEER**

**APPLICABLE FOR
PRODUCTIVITY AND
INNOVATION CREDIT (PIC)
VISIT IRAS.GOV.SG FOR
MORE INFORMATION.**

5 APRIL 2016

9:00AM - 5:00PM

SEAS Training Centre
9 Penang Road, #08-02 Park Mall, Singapore 238459



SS 601: CODE OF PRACTICE FOR MAINTENANCE OF GRID-TIED SOLAR PHOTOVOLTAIC (PV) POWER SUPPLY

PROGRAMME OUTLINE

- Session 1: Grid-tied PV System - An overview**
- Session 2: Inspection of Grid-tied PV System to SS 601:2014 (ref IEC 62446)**
- Session 3: Testing of Grid-tied PV System to SS 601:2014 (ref IEC 62446)**
- Session 4: Interpretation of EMA/SPPG Power Quality Requirements with regard to Connection of Grid-tied PV**
- Session 5: PQ-related submission requirements for Connection of Grid-tied PV**
- Session 6: Conducting a PQ measurement in checking/meeting compliance to EMA/SPPG PQ requirements**
- Session 7: Documentation, Operation & Maintenance requirements of Grid-tied Solar PV System**
- Session 8: The revolution of grid standards for PV inverters**
- Session 9: Country setting adaption of the small three phase grid-tied inverters**

The main focus of the seminar is an in depth discussion on the inspection, testing, commissioning of the Solar PV System using the newly launched SS 601:2014. Included in this seminar is the documentation, operation and maintenance requirements to ensure the safe operation of the PV system.

ABOUT THE TRAINERS



Mr. Tan Lee Heng (Assistant Vice President cum Technical Manager, Electrical & Electronic Centre, TUV SUD PSB Pte Ltd) has 27 years of working experience in the Environmental and Reliability testing industry.

The highlights of his career is in the setting up of the environmental testing laboratories, engine control module & Hybrid Electric Vehicle components test and calibration service at TUV SUD PSB, and being a consultant to the Singapore Land Transport Authority (LTA) on environmental testing for the ERP (Electronic Road Pricing) project in 1998.

Prior to joining TUV SUD PSB, Mr Tan worked in a M&E Consultancy firm as an electrical installation designer. Some of his projects includes The Singapore Indoor Stadium, The Monetary Authority of Singapore Building, Flame Tree Park condominium and Asahi TV Glass Factory.



Er. Muhammad Najmi Bin Bohari is a graduated from Nanyang Technological University with a Master of Science Degree in Power Engineering and a Bachelor Degree in Electrical and Electronic Engineering.

Najmi is formerly from SP PowerGrid's Power Quality & Transient Management section where he specialized in power quality investigation and analysis, voltage dip sensitivity testing and working with customers on compliance to power quality requirements for new supply/distributed generation connections.



Ms. Goh Yoke Mun (Executive Engineer, Electrical & Electronic Centre, TUV SUD ASEAN) is responsible for testing on PV systems of major Photovoltaic projects. She is also responsible in developing new testing services and capabilities in PV and EV industry. Equipped with the knowledge in IEC 62446 (PV), IEC 60068 (Environmental), MIL-STD-810F (Environmental), IEC 60721 (Environmental), ETSI EN 300 019 (Environmental) ISO 16750 (Automotive) enabled Ms Goh to confidently provide value added technical advice on environmental and reliability test requirements.

RATES

EARLY BIRD (before 19 February)	NORMAL FEE	GROUP FEE
S\$350 (SEAS Member)	S\$450 (SEAS Member)	S\$400 (4+ delegates from 1 organization)
S\$450 (Non Member)	S\$550 (Non Member)	

* **Important:** Walk-in delegates will only be admitted on the basis of space availability and with full payment made on site.

* **Fees inclusive of GST**

* **Payment to SEAS & Address:** Please send a crossed cheque to:

the Sustainable Energy Association of Singapore, 9 Penang Road, #08-02 Park Mall, Singapore 238459

CLICK HERE TO REGISTER: WWW.SEAS.ORG.SG

REGISTRATION FORM

 Yes! I would like to register for this programme I am unable to attend but please put me on your mailing list

PARTICIPANT'S DETAILS		Number of Delegates	Fees Payable
1	Name (Dr/Mr/Mrs/Ms)		Designation
	HP No	Email	PEB <input type="text"/>
2	Name (Dr/Mr/Mrs/Ms)		Designation
	HP No	Email	PEB <input type="text"/>
ORGANIZATION'S DETAILS			
Company Name			
Company Address			
Contact Name			Tel
Email			Fax