

# Power Curve Working Group Agenda

14th Meeting, Thursday 8th October 2015, Vestas R&D, Aarhus, Denmark

## Welcome/Registration:

- 9.30am-10am: Coffee will be available.

## Introduction: 10am-10.30am

- 10.00 – 10.05 Welcome & Safety Briefing, Michael Pram Nielsen (Vestas)
- 10.05 – 10.10 Group Introductions
- 10.10 – 10.20 “Summary of Recent Activities & US Meeting Outline”, Peter Stuart (RES)
- 10.20 – 10.30 Recent activities Q&A and Discussion.

## Intelligence Sharing Initiative (10.30 – 12.00):

- **10.30 – 11.30 Initiative Definition Discussion**

In order to facilitate a productive discussion please review the document ‘PCWG: 1st Intelligence Sharing Initiative Definition Document (PCWG-Share-01)’ in advance of the meeting: <http://www.pcwg.org/PCWG-Share-01/PCWG-Share-01-Definition-Document.pdf>

- Review recent modifications to PCWG-Share-01 definition document
- Outline of results submission process (where to send results etc).
- Discussion on format of anonymous report
- Review hypothesis power deviation matrix (and associated consensus analysis)
- **11.30 – 12.00 Power Curve Working Group Analysis Tool Discussion**
  - Demo of latest version of PCWG Analysis Tool:
    - Changes in response to user feedback:
    - Proposed changes to support PCWG-Share-01.

## Lunch: 12:00 – 13:00

## 13.00 – 14.00 Candidate Methods for next Intelligence Sharing Initiative (PCWG-Share-02):

- Brief Outline of candidate methods:
  - 3D Power Deviation Matrix Method
  - Production by Height
  - Machine Learning
- Actions required in order to prepare candidate methods for PCWG-Share-02.
- Discussion

## Afternoon Discussion Session

- 14.00 – 15.00 **Harmonisation of Communication:** Discussion on draft turbine performance information pack guidelines document (harmonisation of communication action from roadmap). **In order to facilitate a productive discussion please review draft document ‘Guidelines for Preparation of a Turbine Performance Information Pack’ in advance of the meeting (Dropbox\DRAFT Guidelines for Preparation of a Turbine Performance Information Pack.docx).**
  - Review comments from US Meeting

## Coffee Break: 15.00 – 15.15

- 15.15 – 15.20 **Brief IEC 61400-12-1 Status Update**
- 15.20 – 15.25 **Brief IEC 61400-15 Discussion**
- 15.30 – 16.00 **Possible PCWG 2016 Roadmap**
  - Should the PCWG continue into 2016?
  - What items should form the PCWG roadmap for 2016?
  - PCWG-Share-01 as baseline for 2016 activities?
  - Type B Effects

## Meeting Wrap Up 16.00 – 16.30

- Next steps for intelligence sharing initiative?
- Next steps for turbine performance information pack (harmonisation of communication)?
- Next step for possible 2016 PCWG activities/roadmap?
- Continued Public Distribution of Minutes and Presentations
- December meeting agenda
- Joint meeting IEC-15/12 in 2016 (February in the US – San Diego?)

**Post Meeting:** Lee Cameron and Peter Stuart are available to assist anyone with setting up their datasets in the PCWG Tool.

## Venue

The meeting will take place at Vestas’s R&D office in Aarhus. Please ask for Michael Pram Nielsen at reception.

Vestas Turbines R&D  
Hedeager 42  
8200 Aarhus N  
Denmark

Please note that Vestas have multiple offices in Aarhus so please make sure to travel to the R&D office as above.

## **Transport**

Aarhus has a local airport and rail connections. It is also possible to access the venue from Billund Airport (approximately 1 hour 15 minutes by car).