

IEA Wind TCP Task 52 (Wind Lidar)

Working group (1): TI

Summary of the objectives:

The work of the group will concentrate on the following main objectives

- Research on methods to improve TI estimation by different lidar types compared to cup anemometer TI by a follow-up to the IEA Task 32 Round Robin
- Bring together the different perspectives on TI from different parties like measurement institutes, turbine manufacturers and research institutes
- Develop new ideas on how to tackle the task of satisfactory and standardised TI estimation through lidar technology
- Update the “Estimating Turbulence Statistics and Parameters from Ground- and Nacelle-Based Lidar Measurements: IEA Wind Expert Report”, issued by D. Schlipf et al. in 2015

Additional objectives might be added in the future.

Planned deliverables:

The expected deliverables will be in the form of technical notes or presentations.

Group approach:

The group will meet every four weeks in order to discuss general progress and realign.

We will try to form more specialized subgroups that can meet according to their own agenda.

Timeline:

A timeline is not defined and has yet to be developed with the working group

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