Update on IEC SC8A Working Group 2 Forecasting Activity

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IEC Study Committee 8A Scope

- Development of technical reports, technical specifications and international standards for grid integration of variable power generation from renewables such as PV solar and wind energy

- SC 8A focuses on the systemic impact of a high percentage of renewables connected to the grid, considering that their variability and predictability

- Activities and WG
  - WG1 Terms and Definitions
  - **WG2 Renewable Energy Forecasting**
  - AHG3 Roadmap for Renewable Energy Integration
  - JWG4 Grid code compliance assessment for RE
  - JWG5 Roadmap Implementation

Working Group 2

- Aim: To develop a Technical Report addressing best practices around renewable energy power prediction

- Describe common practices and state of the art for renewable energy power prediction.
  - General data requirements
  - Methods for renewable energy power prediction
  - Prediction error evaluation.

- The focus can be wind turbines, or a wind power plant, or a region with lots of wind power plants (or PV equivalents)

Technical Report – Status and Plans

- Focus on gathering current state of the art in wind and solar forecasting
  - Academic papers and research
  - Industry practices (currently light on this)
- Not a standards document, just a technical report
  - Too early for standards in many areas
  - Could form basis of standards in the future in certain areas (e.g. evaluation metric definition or data)
  - Other areas are not suitable now (or ever) for being standardized
- Finalizing report based on feedback from members of working group
  - Coordinating with IEA Task 36 and looking to get feedback from that group
  - If interested in reviewing, please contact us
- Aim to submit by end September