



Improving Turbine Productivity

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AWEA Productivity Improvement Programs

- **Operation and Maintenance Working Group**
 - **Wind Technician Training**
 - **Skills required**
 - **Program accreditation**
 - **Equipment for training programs**
 - **Asset Management Workshop (2010 Jan)**
 - **Lubrication / Condition Monitoring**
 - **Reliability (supporting Sandia)**
 - **GADS: Generating Availability Data System Reporting Requirements**

AWEA Productivity Improvement Programs

- **Wind Energy Standards**
 - **International Standards**
 - **Participation in International Electrotechnical Commission Standards Development**
 - **American National Standards**
 - **Accredited by American National Standards Institute**
 - **AWEA Standards**
 - **Small Turbine Test Standard**
 - **Guidelines for Quality Assurance of Large Turbines in the U.S.**

AWEA Productivity Improvement Programs

- **Service Lifts**
 - **Safety:** Ensure safe design and operation
 - **Standards:** Develop uniform service lift standard (ASME)
 - **O&M:** Improve technician productivity and extend careers
 - **Policy:** Ensure uniform safety regulation between states
 - **Separate AWEA Working Group Established**



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