

# Siemens Gamesa - SG Training Web

SE-P-16700

## Structural Blade Repair

### Purpose

The overall aim of the course is to enable participants to perform structural blade repair of epoxy and polyester fiberglass on WTG blades within SGRE area of responsibility according to work instructions and other relevant documentation.

### Who should attend?

This course is intended for Siemens Gamesa Renewable Energy's and approved subcontractor's employees whose duties include repair of blade structural damages on blades within SGRE's responsibility.

### Objectives

Upon completion of the course the participants are able to:

- Demonstrate execution of repairs according to relevant Work Instructions (WI) and Checklists (CH)
- Explain with own words the structure of a blade, and the relation between inner and outer laminate by analyzing the laminate plan.
- Demonstrate safe and proper handling of grinding/sanding machines and the usage of appropriate PPE according to relevant safety rules in the work instructions.
- Practice repair quality as specified in the work instructions.
- Discuss and argue why the repair is of bad quality.
- Demonstrate how to plan the work effectively so that the work gets done correctly in world quality and in the shortest possible time according to time limits given by the instructor.
- Show how to use appropriate PPE according to relevant work instructions with respect to the material (filler, paint and resin etc.) being used.
- Demonstrate how to document (photo card, check lists, etc.) the repair work both before and during and after repair work.
- Show how to work safely with epoxy, mixing 2-component material and handle it as specified in the relevant Safety Data Sheets (SDS).
- Demonstrate and perform quality control on own and others' fiberglass repair work with relevant technical explanation according to work instructions.
- Demonstrate correct sorting of waste.

### Prerequisites

Course prerequisites are:

- GWO Blade Repair (if not available Blade B)
- SE-P-16950 Spot Paint OR UP-9702 Spot Paint
- Epoxy and/or Polyester Safety (SE-P-16940 )

### Notes

Re-certification must be achieved by completing Structural Blade Repair Refresher - Written Test (SE-P-16720) within the 12 months and before expiry of the extant certificate .

### Theory / Practice

20% / 80%

### Validity

1 year

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Export control

AL-Number: N

ECCN: EAR99