

**Prerequisites:** Each delegate must create a personal profile in WINDA and provide their WINDA ID prior to completing GWO training.

- When attending refresher training, the course participants must do so before the expiry of the previous training record's validity period.

**Course Length:** 3 hours 20 minutes. Course length shall vary depending on the number of delegates.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be twelve (12) in the classroom session and six (6) in the practical session.

**Course Objectives:** The aim of GWO Basic Safety Training Refresher (BSTR) courses is to review and build on previously gained knowledge and skills from BST through theoretical and practical training. This training is conducted in accordance with the Fire Awareness Module of the GWO Basic Safety Training (BST) Standard and successful completion will enable participants to:

- 1) Act independently to identify fire hazards and prevent fires in a wind turbine environment.
- 2) Take responsibility for assessing a fire and, if needed, be able to select the right extinguishing media according to the fire classes.
- 3) Take responsibility for the evacuation of personnel and ensure all are safely accounted for in the event of an unmanageable fire.
- 4) Act independently in efficiently extinguishing an initial fire by using basic handheld firefighting equipment, if the incident is judged to be safe.

Successful completion of this course results in the following certificate:

- GWO Fire Awareness Refresher (FAWR)

**Course Design:**

- Power Point© / Lecture / Audio Video / Visual Aids
- Practical Exercises

**Successful Course Completion:**

- Active participation in theory and successful completion of practical session is mandatory.
- If a participant fails to meet the demands of the Module, they shall attend a new Module.

**Course Content Summary:**

- Classroom
- Practicals

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 Hour, if applicable

**Course Outline:**

- Introduction
- Legislation

- Fire combustion and fire spread
  - Types of fires
  - Fire triangle
  - Fire spread
  - Fire gases
- Fire extinguishing
  - Contingency plan
  - Assessing the fire
  - Fire classes
- Fire prevention
  - Fire hazards
  - Fire prevention measures
- Firefighting equipment in a Wind Turbine Generator (WTG)
  - Pre-use inspection
  - Correct use of firefighting equipment
- Practice and scenario-based training
- Training Review

**Practical Session:**

The Practical training shall verify that the delegate is able to demonstrate the following:

- Pre-use inspection of firefighting equipment
- Correct use of firefighting equipment
- Practice firefighting: CO2, Fire blanket
- Participation in scenario-based training:
  - Safe evacuation of smoke-filled environment
  - Correct actions when discovering a fire or smoke in a WTG

**Training Center Provided Material:**

- Course materials & equipment
- PPE

**Delegate Requirements:**

- Must possess good physical health as the practical training is physically demanding.

**Reference Material/Documents:**

- GWO Requirements for Training V14
- Basic Safety Training Standard (BST) V18
- Basic Safety Training Refresher Standard (BSTR) V13
- National, regional, and local regulations & standards, as required.
- GWO WINDA Sign up – <https://winda.globalwindsafety.org/register/course-participant/>