No action necessary

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  Gusty winds or turbulent conditions can be a cause. Check other turbines located near the turbine with the fault to see if they are experiencing similar conditions.

  The turbine will auto reset when the vibration has gone below the alarm setpoint for 60 seconds.

Electrically calibrate the blades.

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  Calibrate the blade position transducer (Balluff) by following SWI DMS 0000-9925, section 5.10.9.

epair connection

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  Check connection visually or by gently moving wires. If the displayed vibration becomes erratic then reterminate or replace the wire.

Repair pitch error

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

Check VTM for any isues with the pitch system and repair as necessary.

Change TAC84 module

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

An easy way to tell if the accelerometer or TAC module is faulty is to check to see if vibration is measured with the turbine offline.

Swap the TAC 84 downwind and lateral modules and restart the turbine. If the lateral module begins to show vibration issues then the issue is likely the module.

TAC Module part number 51700101

Align wind sensors

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

For Mk2 and older V82/NM72 align wind vanes per SWI DMS 1001337 (Carlo Gavazzi) or SWI DMS 1001339 (NRG)

For Mk.3 and newer align FT sensors per SWI DMS 0000-9925 section 5.11.1.

Check and correct parameters

Does this solve the problem?

1] Yes

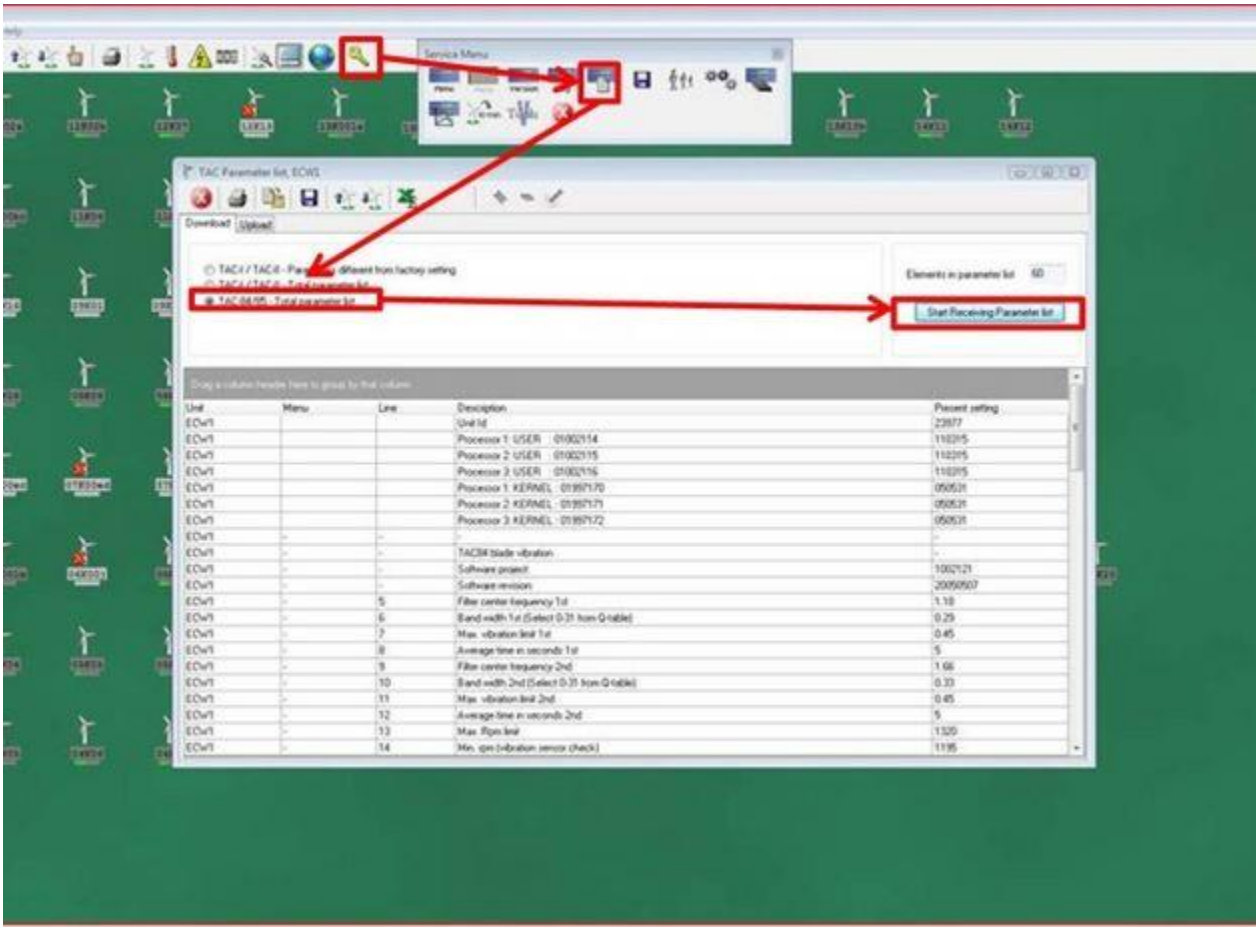
2] No

3] I don't know

- **Explanation**

Compare the TAC84 parameters to the correct parameters for your site. It is also possible to check the parameters of a neighboring turbine using VestasOnline. Correct parameters if necessary.

Open VestasOnline and select the turbine=> press the yellow service key to open the menu=> press the parameter button=> select TAC-84/85 Total Parameter List=> Press Start Receiving Parameter List. The current configuration will be shown and can be compared to the parameter list for the turbine type and/or a neighboring turbine.



Change accelerometer

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

An easy way to tell if the accelerometer or TAC module is faulty is to check to see if vibration is measured with the turbine offline.

Also, it is possible to change the position of the downwind and lateral vibration sensors. Change these sensor positions, adjust the calibration valve in the TAC module and start the turbine. If the lateral vibration starts to read

high and the downwind returns to normal, the problem was the accelerometer.

Accelerometer part number 51712401

Mechanically align the blades

Does this solve the problem?

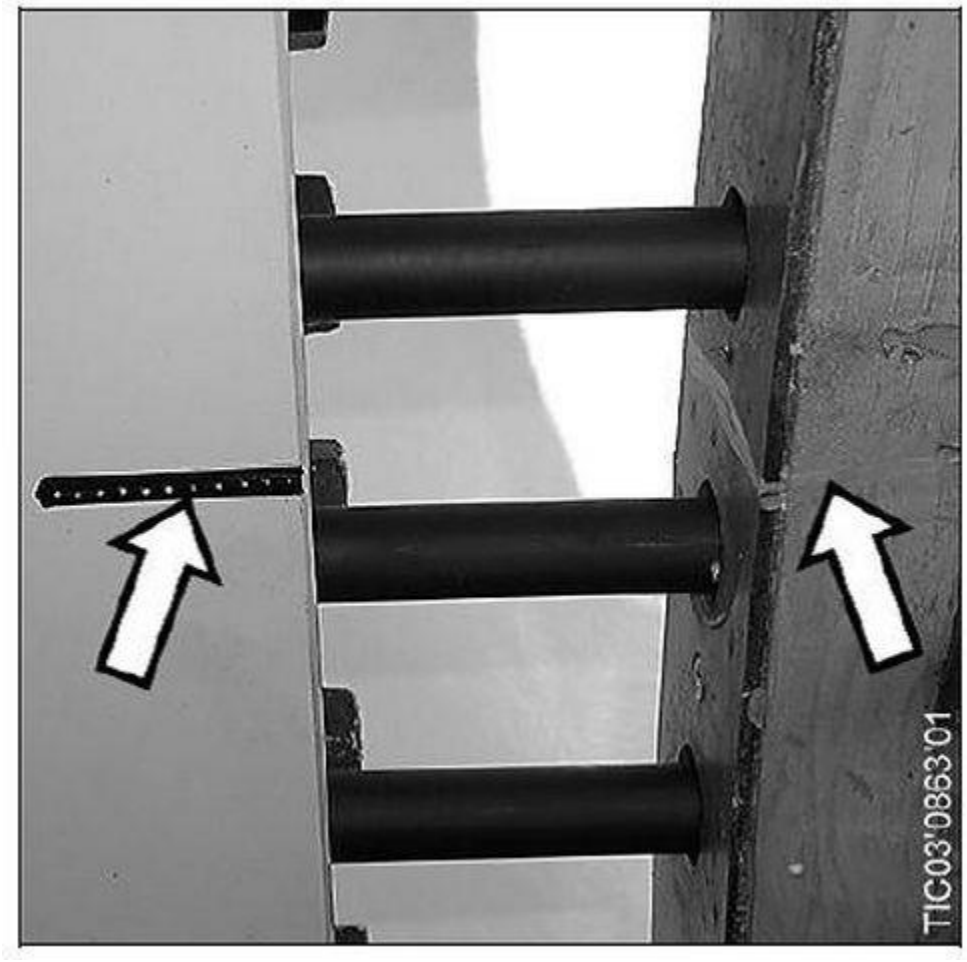
1] Yes

2] No

3] I don't know

- **Explanation**
  This will usually only apply to a turbine with a new blade or one where the pitch cylinder has just been replaced.

  Check that the zero mark on the blades match with the zero mark on the blade bearing when the blade is pitched to 0.0 degrees.



Mechanically check and adjust pitch angles of each blade per SWI DMS 1000812 section 6.3.2.