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# ACS800-67 Wind Turbine Drive, Field Service Course Schedule

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## DAY 1

- 9.00- Welcome and introduction
- 9.20 LVAC drives service basics
- Safety and ESD
  - Ambient conditions
    - Faults caused by critical ambient conditions
    - How to measure the ambient conditions
    - How to improve the ambient conditions
    - Supplying net specifications
- 10:00 Coffee break**
- 10.15- Aging of drives
- Aging components of drives
- Connections on drives
- Connection type
  - Problems caused by aging
  - Methods to measure the quality of connections
  - Corrective actions
- 12:00 Lunch**
- 13:00 Commissioning
- Start-up actions
  - DriveWindow2 backups
- Troubleshooting and diagnostics
- Fault, event and data loggers
  - Fault indications
  - NETA module
- 14:15 Coffee break**
- 14.30- Preventive maintenance
- Wearing components in WTD
    - Component types
    - Changing
  - Cleanliness of the drive
  - Aging components in WTD
    - Component types
    - Changing
- 16:00 End of day 1

**DAY 2**

- 8.30- Replacement of subunits  
- Hardware actions  
Repair of power modules on site  
- Fault tracing measurements  
- Changing of the IGBT module
- 10:00 Coffee break**  
10:15 Repair of power modules on site  
- Changing of the components and PCBs
- 12:00 Lunch**  
13:00 Spare parts and spare part management  
- WTD spare parts  
- Spare parts handling process, contact persons  
- Handling the spare parts
- 14:15 Coffee break**  
14.15- Warranty handling and reporting  
- Warranty order  
- Warranty report
- 16.00 End of the course