



CC3 Electronic Governing

Version: 10.1.0

After completing this four day course, the student will have gained an in depth understanding of electronic governing systems as applied by DEUTZ AG. This includes the use of relevant service tools and troubleshooting techniques which are reinforced through hands-on application.

Day 1

- **Pretest**
- **Prerequisites**
 - DEUTZ products and nomenclature
 - Obtaining engine datasheets
 - Obtaining literature
 - Obtaining wiring schematics
 - Obtaining job cards
 - Working with screen captures
 - Diagnostic Process
 - Generations of electronic governing
- **Serdia 2010**
 - DECOM hardware interface and licensing
 - DEUTZ diagnostic connector
 - Serdia 2010 installation
 - Serdia 2010 folder structure
 - Serdia 2010 launch screen
 - Serdia 2010 graphics
- **Serdia 2010 offline mode**

Day 2

- **Serdia 2010 custom graphics**
- **Serdia 2010 offline viewer**
- **Control Unit Connector Service**
 - Connector overview
 - Terminal service
- **Control Unit Power Supply**
 - DIN terminal numbering
 - ECU power supply
 - Power supply testing

Day 3

- **Control Unit Communication**
 - Network overview
 - Network wiring
 - Network testing
- **DECAN Explorer**
 - DECAN overview
 - Tx
 - Rx
 - CAN messages

Day 4

- **Control Unit Memory**
 - Memory overview
 - EEPROM memory faults
 - Error memory
 - KWP vs SPN fault codes
 - Historical data
 - Software types
 - Software service
- **Processor and Logic**
 - Processor and Logic overview
 - Feedback
 - Adaptives

- Droop
- PID governing

Day 4 continued

- **Control Unit Drivers**
 - Driver overview
 - Driver testing
- **Control Unit Signals**
 - Signal overview
 - Signal limits
 - Signal testing (Heinzman)
 - Signal testing (Bosch)
- **Post test**
 - Test review