## Battery Management System (BMS) - Test Strategy

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	_	System		AIC: AA
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The BMS monitors and manages battery parameters such as voltage, current, and temperature.

- 2. Test Objectives
- Validate voltage monitoring
- Verify fault detection
- Ensure compliance with ASPICE and ISO 26262
- 3. Test Levels
- Unit Testing
- Integration Testing
- System Testing
- 4. Test Environment
- HIL Simulator
- CANoe
- Python Scripts
- 5. Tools Used
- Jenkins
- Jira
- CAPL
- Python

## 6. Fault Injection Strategy

- Overvoltage
- Undervoltage
- Sensor failure

## 7. KPIs and Metrics

- Test Coverage
- Defect Density
- Test Execution Rate

## 8. Compliance

- ASPICE Level 2
- ISO 26262 Part 6