

Document Checklist: LPTFP Automated Control Systems

Design registration for a control system should primarily outline how:

- A plant monitors performance, including all systems related to automated operation, and can automatically alter the plant operation to ensure it operates safely during start-up, shut-down, and during operation.
- A plant is designed so that any failure of the automated control system will cause the plant to go to a predetermined safe state.

Required Documentation

1. All design specifications, including information respecting safeguards, controls, interlocks, logic data and system commissioning and testing
2. An approval by a professional engineer of the automated control system's design
3. Plans, drawings or other documentation that demonstrate the system
4. A listing of possible hazards and the associated safety risks
5. Measuring instrumentation and interlocks
6. Detailed interlocks and safety equipment descriptions
7. Commissioning plans

Refer to the directive about [Low Pressure Thermal Fluid Plant Automated Control Systems](#) (D-B6 100604 1) for a more detailed explanation on the documentation requirements.