



CLASS APPLIED TRAINING ENGAGEMENT (3RD CLASS OPERATOR TASK-COMPETENCY RECORD) COURSE OUTLINE

The training standard guidelines in this publication are organized and referenced directly to the approved SOPEEC syllabus parts A1 through B25, as applicable. These syllabus parts correspond to topic concentrations within specific volumes of the approved PETS 3rd Class learning materials.

Content

Part A

- A1 Applied Mathematics (Book A1)**
- A2 Applied Mechanics (Book A1)**
- A3 Thermodynamics (Book A1)**
- A4 Applied Science (Book A1)**
- A5 Industrial Legislation and Codes (Book A2)**
- A6 Code Calculations, ASME Section (Book A2)**
- A7 Fuels and Combustion (Book A2)**
- A8 Piping (Book A2)**
- A9 Electrotechnology (Book A2)**
- A10 Electrical Calculations (Book A2)**
- A11 Control Instrumentation (Book A2)**
- A12 Industrial Safety & Fire Protection (Book A2)**

Part B

- B13 Boilers (Book B1)**
- B14 Boiler Control Systems (Book B1)**
- B15 Feedwater Treatment (Book B1)**
- B16 Pumps (Book B1)**
- B17 Welding Procedures and Inspection (Book B1)**
- B18 Pressure Vessels (Book B1)**
- B19 Prime Movers (Book B2)**
- B20 Cogeneration (Book B2)**
- B21 Compressors (Book B2)**
- B22 Refrigeration (Book B2)**
- B23 Special Industrial Equipment (Book B2)**
- B24 Wastewater Treatment (Book B2)**
- B25 Plant Maintenance & Administration (Book B2)**