



the pressure equipment safety authority

REFERENCE SYLLABUS

For

**POWER ENGINEERS
TRANSFERRING TO ALBERTA**

**ALBERTA PRESSURE EQUIPMENT
LEGISLATION EXAMINATION**

AB-269

Edition 1, Revision 0, 2017-01-01



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POWER ENGINEERS TRANSFERRING TO ALBERTA
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GENERAL INFORMATION

Introduction:

The holder of a valid out-of-province power engineer's certificate can apply for an equivalent Alberta certificate for the same scope of practice as authorized by the out-of-province certificate.

The Administrator has issued Information Bulletin IB16-020 to establish that an equivalent certificate of competency may be issued under Section 26 of the Power Engineers Regulation to an applicant that provides satisfactory verifiable evidence of the validity of the certificate issued by the jurisdiction outside Alberta, and completes an examination on Alberta legislation concerning power engineers and the equipment they operate.

The examination demonstrates the applicant has knowledge of the Alberta rules that govern power engineers and the equipment they may operate.

This syllabus is intended to assist candidates preparing for the legislation examination.

Recommended Study:

It is recommended that, before attempting the examination, the candidate review the Alberta Safety Codes Act and applicable pressure equipment regulations. This information is available on the internet. The legislation and other pertinent information may be accessed from ABSA's website (www.absa.ca).

Examination Instructions:

The examination is an online (web-based), open-book examination based on the Safety Codes Act and the regulations concerning pressure equipment, as well as supplementary information that power engineers should know in order to ensure the equipment they are responsible for is being operated and maintained in compliance with the legislation.

A candidate must submit an application (AB-130) as well as the prescribed fee. The application will be reviewed and the validity of the out-of-province certificate will be confirmed with the issuing jurisdiction. Provided all is in order, the candidate will be contacted by e-mail with the login instruction for the website testing. The candidate will have 30 days to log in and activate the account. If they do not activate their account within the 30 days of receiving the login instructions, the login will become invalid and they will have to re-apply to write the examination and pay the examination fee.

The examination consists of 50 multiple choice questions that have been divided up into chapters. The time allowed for the examination is 3 hours within a 24 hour total time period. You can sign out from the exam and sign back within the 24 hour period. If you wait and start the examination too close to the 24 hour expiration time, your examination time will not be extended beyond the 24 hour limit. If the time expires before you have completed all the questions, the examination will be closed and the applicant will have to reapply for the examination. The applicant is required to complete the examination and they will be notified that they were successful.

Once you press the "to create an account" button your 24 hour clock starts and gives you 3 hours to complete the exam.

The candidate must be successful in completing the examination and the examination is designed for the applicant to repeat a chapter if they have several wrong answers. There is only one correct answer to each question.

KNOWLEDGE AREAS

1. Safety Codes Act

- a. Application of the Act
- b. Responsibilities
 - i. Government
 - ii. Owners, Care, and Control
 - iii. Design Duties
 - iv. Vendor's Duties
 - v. Use of Variances
- c. Administration
 - i. Overall Administration
- d. Safety Codes Council
 - i. Council
 - ii. Duties and Powers
- e. Safety Codes Officers
 - i. Designation
 - ii. Inspections
 - iii. Production of Documents
- f. Standards
 - i. Certificate Issues
- g. Unusual Situations
 - i. Emergency
- h. Orders and Appeals
 - i. Appeal of Orders

2. Pressure Equipment Safety Regulation

- a. Interpretation
- b. Paramountcy
- c. Partial Exemptions
- d. Pressure Vessels
- e. Codes and Standards
- f. Design and Construction Requirements
- g. Quality Management Systems
- h. Registration
 - i. Requirements
 - ii. Pressure Piping Design Submissions
 - iii. Fitting Design Submissions
 - iv. Pressure Equipment Design Registered
- i. Change to a Design
- j. Construction
 - i. Construction and Manufacturing
 - ii. Stamping and Nameplates
 - iii. National Board
 - iv. Manufacturers Data Report
- k. Operations
 - i. Certificate of Inspection Permit
 - ii. Unsafe Conditions, Accidents, or Fire
 - iii. Change of Ownership
 - iv. Pressure Relief Devices

KNOWLEDGE AREAS

- 3. Power Engineers Regulation**
 - a. Definitions
 - b. Supervision
 - i. Power Plants
 - ii. Reduced Supervision- Power Plants
 - iii. Log Book
 - c. Certificate of Competency
 - i. Authorization to Supervise
 - ii. Duplicate Certificates
 - iii. Temporary Certificates
 - iv. Renewal of Certificates
 - d. Miscellaneous
 - e. Schedule and Tables
- 4. Pressure Welders Regulation**
 - a. Certificate of Competency
 - i. Expiry Dates
 - b. Qualifications, Examinations and Equivalencies
 - i. Grade B Certificate Examination
 - ii. Welding Examiner Certificate Examination
 - c. Performance Qualification Tests
 - d. Miscellaneous
- 5. Pressure Equipment Exemption Order**
 - a. Exemptions
- 6. Alberta Boilers Safety Association (ABSA)**
 - a. Select Information Bulletins
 - b. Requirements for Reduced Supervision of Power Plants, Thermal Liquid Heating Systems, and Heating Plants (AB-528)