

**First class power engineer's certificate**

**101(1)** A person may be accepted as a candidate for examination for a first class power engineer's certificate if the person is the holder of a valid second class power engineer's certificate and, since the issue of that certificate:

- (a) for at least 30 months, has operated as chief engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 5 000 kilowatts;
- (b) for at least 30 months, has operated as shift engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 10 000 kilowatts;
- (c) for at least 42 months, has assisted in the operation of a high pressure boiler or high pressure boiler plant with a capacity greater than 10 000 kilowatts;
- (d) for at least 15 months, has operated in the role described in clause (a), (b) or (c) and is a graduate engineer; or
- (e) for at least one-half of the period mentioned in clause (a), (b) or (c), has operated in the role described in that clause and, for at least 36 months, has performed in a supervisory capacity acceptable to the chief inspector on the design, construction, installation, repair, maintenance or operation of pressure equipment.

(2) Twelve months' credit will be granted toward the fulfilment of the operating experience requirement set out in clause (1)(a), (b) or (c) for the successful completion of an approved course in power engineering leading toward a first class power engineer's certificate.

15 Dec 2006 cB-5.1 Reg 1 s101.

**Second class power engineer's certificate**

**102(1)** A person may be accepted as a candidate for examination for a second class power engineer's certificate if the person is the holder of a valid third class power engineer's certificate and, since the issue of that certificate:

- (a) for at least 24 months, has operated as chief engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 1 000 kilowatts;
- (b) for at least 24 months, has operated as shift engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 5 000 kilowatts;
- (c) for at least 36 months, has operated as shift engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 1 000 kilowatts;
- (d) for at least 24 months, has assisted in the operation of a high pressure boiler or high pressure boiler plant with a capacity greater than 10 000 kilowatts;
- (e) for at least 12 months, has operated in a role described in clause (a), (b), (c) or (d) and is a graduate engineer; or

- (f) for at least one-half of the period mentioned in clause (a), (b), (c) or (d), has operated in the role described in that clause and, for at least 24 months, has performed in a supervisory capacity acceptable to the chief inspector on the design, construction, installation, repair, maintenance or operation of pressure equipment.
- (2) Nine months' credit will be granted toward the fulfilment of the operating experience requirement set out in clause (1)(a), (b), (c) or (d) for the successful completion of an approved course in power engineering leading toward a second class power engineer's certificate.

15 Dec 2006 cB-5.1 Reg 1 s102.

**Third class power engineer's certificate**

**103(1)** A person may be accepted as a candidate for examination for a third class power engineer's certificate if the person is the holder of a valid fourth class power engineer's certificate and, since the issue of that certificate:

- (a) for at least 12 months, has operated as chief engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 500 kilowatts;
- (b) for at least 12 months, has operated as shift engineer a high pressure boiler or high pressure boiler plant with a capacity greater than 1 000 kilowatts;
- (c) for at least 12 months, has assisted in the operation of a high pressure boiler or high pressure boiler plant with a capacity greater than 5 000 kilowatts;
- (d) for at least 24 months, has operated as chief engineer or shift engineer a low pressure boiler or low pressure boiler plant with a capacity greater than 3 000 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant;
- (e) for at least one-half of the period mentioned in clause (a), (b), (c) or (d), has operated in the role described in that clause and, for at least 12 months, has performed in a role acceptable to the chief inspector on the design, construction, installation, repair, maintenance or operation of pressure equipment;
- (f) for at least 12 months, has operated as a process operator involving steam equipment in a role acceptable to the chief inspector and has completed an approved course in power engineering leading toward a third class power engineer's certificate; or
- (g) for at least six months, has experience in the operation of a high pressure boiler or high pressure boiler plant with a capacity greater than 1 000 kilowatts and is a graduate engineer.
- (2) Six months' credit will be granted toward the fulfilment of the operating experience requirement set out in clause (1)(a), (b), (c) or (d) for the successful completion of an approved course in power engineering leading toward a third class power engineer's certificate.

15 Dec 2006 cB-5.1 Reg 1 s103.

**Fourth class power engineer's certificate**

**104(1)** A person may be accepted as a candidate for examination for a fourth class power engineer's certificate if the person:

- (a) is the holder of a valid fifth class power engineer's certificate and, for at least 12 months, has operated a high pressure boiler or high pressure boiler plant with a capacity of not less than 250 kilowatts;
  - (b) for at least 12 months, has assisted in the operation of a high pressure boiler or high pressure boiler plant with a capacity of not less than 1 000 kilowatts;
  - (c) is the holder of a valid fifth class power engineer's certificate and, for at least 24 months, has operated as chief engineer a low pressure boiler or low pressure boiler plant with a capacity greater than 750 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant;
  - (d) for at least 24 months, has assisted in the operation of a low pressure boiler or low pressure boiler plant with a capacity greater than 1 500 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant;
  - (e) has successfully completed an approved full-time course in power engineering that:
    - (i) includes operating experience; and
    - (ii) leads toward a fourth class power engineer's certificate;
  - (f) is a graduate engineer;
  - (g) for at least one-half of the period mentioned in clause (a) or (b), has operated in the role described in that clause and, for at least 12 months, has performed in a role acceptable to the chief inspector on the design, construction, installation, repair, maintenance or operation of pressure equipment; or
  - (h) has at least 12 months' experience as a process operator in a role acceptable to the chief inspector and has completed an approved course in power engineering leading toward a fourth class power engineer's certificate.
- (2) Six months' credit will be granted toward fulfilment of the operating experience requirement set out in clause (1)(a), (b), (c) or (d) for the successful completion of an approved course in power engineering leading toward a fourth class power engineer's certificate.

15 Dec 2006 cB-5.1 Reg 1 s104.

**Fifth class power engineer's certificate**

**105(1)** A person may be accepted as a candidate for examination for a fifth class power engineer's certificate if the person:

- (a) holds a valid limited power engineer's (fireman) certificate and, for at least 12 months since the issue of that certificate, has been in charge of a low pressure boiler or low pressure boiler plant with a capacity of not less than 300 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant;

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- (b) for at least 12 months, has assisted in the operation and maintenance of a high pressure boiler with a capacity of not less than 30 kilowatts;
  - (c) for at least 12 months, has assisted in the operation and maintenance of a low pressure boiler or low pressure boiler plant with a capacity of not less than 1 000 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant;
  - (d) for at least 24 months, has assisted in the operation and maintenance of a low pressure boiler or low pressure boiler plant with a capacity of not less than 300 kilowatts, with the capacity of the plant calculated as the aggregate capacity of all boilers installed in the plant, and has successfully completed an approved course in power engineering leading toward a fifth class power engineer's certificate;
  - (e) for at least 36 months, has performed in a role acceptable to the chief inspector on the design, construction, installation, operation, maintenance or repair of any boiler plant or associated auxiliary equipment and has successfully completed an approved course in power engineering leading toward a fifth class power engineer's certificate; or
  - (f) has successfully completed an approved full-time course in power engineering that:
    - (i) includes operating experience; and
    - (ii) leads toward a fifth class power engineer's certificate.
- (2) Six months' credit will be granted toward the fulfilment of the operating experience requirement set out in clause (1)(a), (b) or (c) for the successful completion of an approved course in power engineering leading toward a fifth class power engineer's certificate.

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**Limited power engineer's certificates**

**106** A person may be accepted as a candidate for examination for a limited power engineer's certificate of any class if the person satisfies the chief inspector that he or she has sufficient knowledge of and experience in the operation and maintenance of boilers and related equipment or has completed an approved course in power engineering specifically related to boilers and related equipment.

15 Dec 2006 cB-5.1 Reg 1 s106.

**Refrigeration engineer's certificate**

**107** A person may be accepted as a candidate for examination for a refrigeration engineer's certificate if the person:

- (a) for at least 12 months, has operated or assisted in the operation of a refrigeration plant with a capacity of not less than 20 tonnes of refrigeration;
- (b) is the holder of a first, second, third, fourth or fifth class engineer's certificate; or
- (c) has completed an approved course related to refrigeration engineering.

15 Dec 2006 cB-5.1 Reg 1 s107.

**Refrigeration plant operator's certificate**

**108** A person may be accepted as a candidate for examination for a refrigeration plant operator's certificate if the person satisfies the chief inspector that he or she has sufficient knowledge of and experience in the operation and maintenance of refrigeration plants or has completed an approved course in refrigeration plant operations or refrigeration engineering.

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