

**S.I. 2003 No. 80**

**Telecommunications Act, 2001**  
**(Act 2001-36)**

**TELECOMMUNICATIONS (CERTIFICATION  
STANDARDS) REGULATIONS, 2003**

The Minister in exercise of the powers conferred on him by section 110(1) of the *Telecommunications Act* makes the following Regulations:

1. These Regulations may be cited as the *Telecommunications (Certification Standards) Regulations, 2003*.

2. In these Regulations,

“Telecommunications Unit” or “Unit” means the Unit described as such that is located in the Ministry responsible for Telecommunications.

3. The certification standard set out in

(a) Part A of the *Schedule* are those standards required to be prescribed under paragraph (a) of section 51(1) of the Act in respect of technicians; and Schedule.

(b) Part B of the *Schedule* are those standards required to be prescribed under paragraphs (b) and (c) of section 51(1) of the Act in respect of Schedule.

(i) customer equipment; and

(ii) of wiring that is to be connected to the public telecommunications network.

**SCHEDULE***(Regulation 2(b))***PART A**

Telecommunications Act, 2001  
(Act 2001–36)

**CODE OF PRACTICE 1/2002 FOR CERTIFIED  
TECHNICIANS IN RELATION TO THE USE  
OF CUSTOMER EQUIPMENT**

**INTRODUCTION**

1. The purpose of this Code of Practice being issued under section 51 of the Act is to ensure that persons who install and maintain customer equipment that is connected to a public telecommunications system are competent to do so.

2. The installation or maintenance of customer equipment must be performed by certified technicians.

3. The categories and types of customer equipment that require approval under this code include

- (a) telephone instruments;
- (b) fax machines;
- (c) private automatic branch exchanges (PABXs);
- (d) key systems;
- (e) modems (discrete or integrated);
- (f) cordless telephones;
- (g) any other customer premises equipment to be connected to the public switched telephone network; and
- (h) inside wiring.

4. A person who installs customer equipment using simple plug-into sockets like a basic phone device or fax machine is not required to be a certified technician; but all other aspects of Code of Practice 2/2002 set out in Part B of this Schedule must be adhered to.

CERTIFIED TECHNICIANS

5. For the purposes of the Act and these Regulations, a certified technician is a person

(a) who

- (i) establishes that he was a technically trained employee or contractor of the existing carrier;
- (ii) has had 12 months on-the-job experience in the installation of the relevant category of customer equipment; or
- (iii) has been trained and certified by the manufacturer or by a dealer or distributor authorised by the manufacturer of the relevant customer equipment; and

(b) who

- (i) has been authorised in writing by the manufacturer referred to in sub-paragraph (iii) of paragraph (a), or by a dealer or distributor authorised by the manufacturer, to ensure that individuals carrying out any installation of the relevant customer equipment under the supervision of the certified technician will perform the required installation and associated operations so as to comply with this Code of Practice;
- (ii) has successfully completed a training course recommended or designated by the Telecommunications Unit; or
- (iii) can demonstrate to the Unit that he
  - (A) has been trained in the installation and maintenance of the relevant customer equipment;
  - (B) has had at least 5 years experience in the installation and maintenance of the relevant customer equipment; and
  - (C) has been certified by the Chief Engineering Manager or equivalent of any licenced carrier of wireline services.

## PROCEDURE FOR THE CERTIFICATION OF TECHNICIANS

Form 1. 6. A person who wishes to be a certified technician within the meaning of  
Schedule. the Act must apply to the Unit in the Form I set out in the *Schedule* for certification.

7. The Unit shall grant certification of a technician under paragraph 6 on such conditions as it deems appropriate for a particular type, brand or model of customer equipment where it determines after examination of the application and associated documentation that the applicant has complied with paragraph 5 of this Code of Practice.

8. The certification shall be made in writing showing the effective and expiry dates of the certification and shall be for a period of 5 years.

9. There shall be a Register comprising

(a) this Code of Practice; and

(b) the names of technicians who have been granted certification in respect of equipment

that shall be kept by the Unit and shall be available for inspection at the Unit.

## COMPLIANCE

10. Section 52(1) of the Act forbids the installation, maintenance or repair of wiring unless done by a certified technician unless the connection is to the public telecommunications network of approved plugs and jacks.

## NON-COMPLIANCE

11. (1) Section 53 of the Act authorises a carrier to disconnect from its public telecommunications network any wiring, customer equipment, plugs or jacks that do not comply with the certification standards referred to in this Code.

(2) Section 54 of the Act

(a) permits a carrier with the consent of the owner or occupier to enter premises where customer equipment or wiring is connected to the public

telecommunications network of the carrier at such times as are reasonable to conduct inspections of connections, customer equipment and wiring in relation to that network; and

- (b) permits the licensee to disconnect the service provided to that person where the owner or occupier denies reasonable access to the carrier.

PENALTIES

12. Section 80(b) sets out the penalties of \$10,000 or 12 months imprisonment for the installation of customer equipment to any telecommunications network without being certified by the Minister under the Act.

PART B

Telecommunications Act, 2001  
(Act 2001-36)

*(Regulation 2(b))*

**CODE OF PRACTICE 1/2002 FOR**

- (a) CUSTOMER EQUIPMENT**
- (b) WIRING APPROVAL AND**
- (c) LABELLING**

INTRODUCTION

1. The purpose of this Code of Practice being issued under section 51 of the Act is to:

- (a) protect the integrity of the public telecommunications network;
- (b) protect the health and safety of persons who operate, use, install and maintain, or are likely to be affected by the operation of the public telecommunications network;
- (c) ensure the interoperability of the customer equipment wiring with the public telecommunications network; and
- (d) adhere to the relevant international standards.

## APPROVAL OF CUSTOMER EQUIPMENT

2. (1) Customer equipment that is required for connection to the public switched telecommunications network must first be approved by the Unit.

(2) Approval of customer of equipment shall not be given unless

(a) the equipment is registered at the Telecommunications Unit in the Form I; and

(b) a licence is issued by that Unit for presentation to the telecommunications carrier.

Form 1.

3. The categories and types of customer equipment that require approval include:

(a) telephone instruments;

(b) fax machines;

(c) private automatic branch exchanges (PABXs);

(d) key systems;

(e) modems (discrete or integrated);

(f) cordless telephones;

(g) inside wiring;

(h) any other customer premises equipment to be connected to the public switched telephone network.

4. (1) Under paragraph (b) of section 51(4) all customer equipment and wiring owned, operated or maintained by the existing telecommunications carrier are deemed to meet the certification standards required at the date of commencement of the Act.

(2) In order to be registered by the Unit, customer equipment must be certified:

EITHER

- (a) Under Part 68 and Part 15 – Connection of Terminal Equipment to the Telephone Network under the Federal Communications Commission’s (FCC) Rules;

OR

- (b) under one or more other equivalent international rules provided that the applicant can demonstrate that the technical and manufacturing standards meet all the applicable requirements for operation in Barbados.

LABELLING REQUIREMENTS

5. (1) In order to satisfy the labelling requirements stipulated in section 55 of the Act, customer equipment must have displayed prominently on an outside surface, permanently affixed or engraved, the information contained in the following paragraphs (a) to (e) or that contained in paragraph (f) below:

- (a) complies with Part 68 and Part 15, of the Federal Communications Commission (FCC) Rules, or any other equivalent international rules;
- (b) FCC/International Registration Number .....
- (c) Manufacturer’s name .....
- (d) Model number .....
- (e) Country of Origin “made in .....”;
- (f) other markings equivalent to those listed at paragraphs (a) to (e) and individually approved by the Unit.

(2) The following mandatory Telephone Standards are appropriate to multi-line sites:

- TIA/EIA 470B - Telephone Instruments and Loop Signalling (July 1987)
- FCC Part 15 - Radio Frequency Devices (April 1999)
- FCC Part 68 - Connection of Terminal Equipment to the Telephone Network (October 1998)
- UL 1459 - Safety for Telephone Equipment (Second Edition)
- UL 94 - Safety for Test for Inflammability of Plastic Materials for Parts in Devices and Appliances (May 1998)
- ITUE161 - Arrangements of digits, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network
- - Any comparable International Standards
- [• UL - Underwriters Laboratories
- TIA/EIA - Telecommunications Industry Association/ Electronic Industries Alliance
- ITU - International Telecommunications Union]

(3) The following equipment can also be used:

- (a) telephone instruments supporting flash hook duration in the range of 400 to 800 milliseconds;
- (b) telephone instruments designed to operate under the following environmental conditions:
  - Operating temperature of range up to 40°C.
  - Relative humidity of 5% to 95% at temperature up to 40°C.



(4) For connection to the existing network, telephone instruments must be able to fit “RJ” Jack for 2-wire connection.

(5) Interior Wiring

The following standards for interior wiring are mandatory:

- FCC Part 68 subsection 68.213 – 215 – Installation of System Premises Wiring (October 1998)
  - EIA/TIA – 568 A Commercial Building Wiring Standard (October 1995)
  - EIA/TIA Code of Practices Bulletin #36 (August 1991)
  - UL 1581 Standards for Safety for Reference Standards for Wires, Cables and Flexible Cords (June 1999)
  - UL 444 Communication Cables
  - UL 444 Standard for Safety for Communications Cable (June 1998)
  - UL 1863 Standard for Safety for Communication Circuit Accessories (June 1998)
  - Any other relevant or equivalent international standards
- (6) To ensure a high level of reliability, it is recommended that Modular jacks, be of the gel-filled type;
- (7) If any of the above standards for interior wiring are used, these must be clearly labelled at the site.

PROCEDURE FOR THE CERTIFICATION  
OF CUSTOMER EQUIPMENT

Form 2. 6. (1) Applications for a certificate to install customer equipment shall be made to the Unit by completing the Form 2 set out in this *Schedule*; and additional documentation may be provided for which certification is being sought in accordance with section 51(1)(a), (b) and (c) of the Act and which comply with the paragraphs 2 and 5 of this Code of Practice.

(2) The Unit shall grant an application, with or without conditions for a particular type, brand or model of customer equipment if it determines after examination of the application and associated documentation that the equipment has complied with the requirements of this Code of Practice.

(3) A Register for each Code of Practice and Approved Customer Equipment is available for inspection at the Unit.

## COMPLIANCE

7. Section 52 of the Act

(a) forbids the connecting to the public telecommunications network customer equipment and wiring that do not comply with the prescribed certification standards; and

(b) requires any person who manufactures customer equipment or wiring for connection to the public telecommunications network to comply with the applicable certification requirements.

## LICENSEE RIGHTS

8. (1) Section 53 of the Act authorises a carrier to disconnect from its public telecommunications network any wiring, customer equipment, plugs or jacks that do not comply with the certification requirements as detailed in this Code of Practice.

(2) Section 54(1) of the Act

(a) permits a carrier with the consent of the owner or occupier to enter premises where customer equipment or wiring is connected to the public telecommunications network of that carrier at such times as are reasonable, to conduct inspections of connections, customers equipment and wiring in relation to that network; and

- (b) permits the licensee to disconnect the service provided to that persons where the owner or occupier denies reasonable access to the carrier.

**PENALTIES**

9. (1) Section 80(a) of the Act sets out the penalties of \$100 000 or 3 years imprisonment for the installation of a telecommunications network or telecommunications apparatus or customer equipment that is directly or indirectly connected of a telecommunications network, without being certified by the Minister under the Act.

(2) Section 80(b) sets out the penalties of \$10,000 or 12 months imprisonment for the installation of customer equipment to any telecommunications network without being certified by the Minister under the Act.

Telecommunications Act, 2001  
(Act 2001-36)

*(Regulation 2(b),  
Paragraph 6 of Part B)*

**FORM 2**

**APPLICATION FOR CERTIFICATE TO INSTALL CUSTOMER  
EQUIPMENT (1) (Code of Practice 1/2002)**

**Note: Please read the notes at the end of PART D before completing this form.**

**PART A: PARTICULARS OF APPLICANT**

1. Name: \_\_\_\_\_  

Last
First
Middle
2. Address: \_\_\_\_\_  
 \_\_\_\_\_
3. Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_ P.O. Box \_\_\_\_\_
4. E-mail Address: \_\_\_\_\_
5. Company Name \_\_\_\_\_

## PART B: DETAILS OF CUSTOMER EQUIPMENT TO BE INSTALLED BY APPLICANT (Note 1)

1. Telecommunications Unit Registration/Approval No. \_\_\_\_\_
2. [FCC's] Registration No. \_\_\_\_\_
3. Category or Type (Notes (2) & (3)): \_\_\_\_\_
4. Brand: \_\_\_\_\_
5. Model No. \_\_\_\_\_
6. Name of Manufacturer: \_\_\_\_\_
7. Country of Origin: \_\_\_\_\_

Note (1) This term is defined in Code of Practice 1/2002 as “telecommunications equipment and inside wiring located at a customer’s premises and connected to a telecommunications system at the network termination point.”

Note (2) The categories or types of customer equipment which need approval include:

- (a) telephone instruments;
- (b) fax machines;
- (c) PABXs;
- (d) key systems;
- (e) modems (discrete or integrated)
- (f) cordless telephones;
- (g) inside wiring;
- (h) any other customer equipment to be connected to public switched telecommunications system.

Note (3) Persons being certified for the installation of more than one type of equipment need only complete (1) and (3). The equipment types must be listed at 3. e.g. (a) – (f) or as the case may be.



## PART D

## EMPLOYMENT EXPERIENCE

Job	Employer	Dates	Description of Duties

\*I/We hereby declare that, to the best of my/our knowledge and belief, the information and documents given by “me/us in this application form are true and correct.

Signature of Applicant: \_\_\_\_\_

Date: \_\_\_\_\_

Notes:

- (a) \*Delete whichever is inapplicable.
- (b) Use one application form for only one model of the equipment.
- (c) Applicant must complete all relevant parts in BLOCK letters.
- (d) A processing fee of \$100.00 is to be paid for the initial application and \$50.00 for each subsequent application.
- (e) The complete form together with the supporting documents as specified in Part C above should be submitted to the Telecommunications Unit, Ministry responsible for Telecommunications.
- (f) All the documents submitted by a successful applicant will be retained by the Telecommunications Unit. In the case of an unsuccessful application, the applicant will be informed of the evaluation result and the submitted documents will be returned.

Telecommunications Act, 2001  
(Act 2001-36)

FORM 1

CUSTOMER EQUIPMENT

CERTIFICATE OF REGISTRATION

(Section 51(1) Telecommunications Act, 2001)

This is to certify that the customer equipment described below:

Name of Applicant: \_\_\_\_\_

Category Type \_\_\_\_\_

Brand \_\_\_\_\_

Manufacturer \_\_\_\_\_ Address \_\_\_\_\_

Country of Origin \_\_\_\_\_

having been installed to Code of Practice 1/2002  
has been approved and registered by the Telecommunications Unit for connection  
to the PSTN.

A fee of \$20 is payable for this certification.

Location of Equipment: \_\_\_\_\_

(Note<sup>1</sup>)

Chief Telecommunications Officer \_\_\_\_\_ Date: \_\_\_\_\_

Note<sup>1</sup> For multiple locations please continue overleaf

**FOR MINISTRY USE ONLY**

Approval and Registration No.: CPE \_\_\_ / \_\_\_ / \_\_\_ / \_\_\_ / \_\_\_ / \_\_\_ /

Approval and Registration Date: \_\_\_\_\_

Made by the Minister this 24th day of April, 2003.

**REGINALD FARLEY**  
Minister responsible for Telecommunications.







