Labeling of Wireless Devices
Prepared by Northwest EMC, Inc.

FCC

FCC ID:

47 CFR 2.925(a)(1):
FCC Identifier consisting of the two elements in the exact order specified in § 2.926. The FCC Identifier shall be preceded by the term FCC ID in capital letters on a single line, and shall be of a type size large enough to be legible without the aid of magnification.


Statement

47 CFR 15.19(a)(3):
All other devices shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

47 CFR 15.19(a)(5):
When the device is so small or for such use that it is not practicable to place the statement specified under paragraph (a) of this section on it, the information required by this paragraph shall be placed in a prominent location in the instruction manual or pamphlet supplied to the user or, alternatively, shall be placed on the container in which the device is marketed. However, the FCC identifier or the unique identifier, as appropriate, must be displayed on the device.

User Manual Info

47 CFR 15.21
The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.
RF Safety

For devices operated greater than 20cm from the user, cautionary mobile exposure statement should be in the manual. MPE estimates are required for devices operating greater then 20 cm from the user. Here is an excerpt from OET Guide 65C that describes the requirement:

"For other transmitters which do not normally operate next to persons, such as a wireless LAN transmitter located on a desktop, certain operating and usage instructions may be included in the operator's manual to caution users to maintain a specified distance from the transmitter to ensure compliance."

For devices capable of body-worn operation, the user manual must contain statements that describe permissible body-worn operation. SAR Testing is required for devices operating above 25 mW and used closer than 20cm from the user. Here is an excerpt from OET Guide 65C that describes the requirement:

"In order for users to be aware of the body-worn operating requirements for meeting RF exposure compliance, operating instructions and caution statements should be included in the manual. The information should allow users to make informed decisions on the type of body-worn accessories and operating configurations that are appropriate for the device. The following are examples of typical statements that provide end-users with the necessary information about body-worn accessories:

1. For a product that has the potential to be used in a body worn configuration and has been tested and certified with a specific accessory device(s):

   "For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the (manufacturer name) accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

2. For a product that has the potential to be used in a body worn configuration and has not been certified with a specific accessory device(s):

   "For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of (specified distance) from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines."

3. For a product that has the potential to be used in a body worn configuration with future manufacturer designed accessories:

   "For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with a (manufacturer name) accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of (specified distance) from the body."
IC

IC ID and Equipment Label:

**RSP 100, Issue 11, January 2016, Section 3.1:**

It should be noted that the Product Marketing Name (PMN), Hardware Version Identification Number (HVIN), Firmware Version Identification Number (FVIN) and Host Marketing Name (HMN) are commonly used terms, and are defined in Section 10 of this document.

Every unit of certified product for marketing and use in Canada shall be identified as per these requirements:

- The HVIN and ISED certification number shall be permanently indicated on the exterior of the product or displayed electronically according to e-labelling requirements:
  - the HVIN and ISED certification number are permitted to be placed on a label, which shall be permanently affixed to the product
  - the ISED certification number shall be preceded by “IC:"
  - the HVIN is permitted to be listed or placed with or without any prefix (HVIN:, Model#, M/N:, P/N:, etc.)
  - the HVIN and ISED certification number are not required to be adjacent to each other

- The PMN must be displayed electronically (e-labelling), or indicated on the exterior of the product or product packaging or product literature, which shall be available with the product or online.
  - The PMN, HVIN and ISED certification number are permitted to be etched, engraved, stamped, printed on the product, or permanently affixed to a permanently attached part of the product.
  - The PMN, HVIN and ISED certification number indicated/displayed (e-labelling) on any product on the Canadian market must be listed in the REL.

- When the FVIN is the only differentiation between different product versions (PMN and HVIN remain identical) listed in the REL within a family certification, the FVIN shall be displayed electronically or stored electronically and be easily retrievable.

- In all cases, the PMN, FVIN, HVIN and ISED certification number text shall be clearly legible.

**Note:** The ISED certification number, HVIN, applicable PMN and FVIN are not required to be adjacent to each other.
The certification number is made up of a Company Number (CN), assigned by Innovation, Science and Economic Development Canada’s Certification and Engineering Bureau, followed by the Unique Product Number (UPN) assigned by the applicant. The certification number format is:

IC: XXXXX-YYYYYYYYYYY

where:

- The letters “IC:” indicate that this is an Innovation, Science and Economic Development Canada’s certification number, but they are not part of the certification number. XXXXX-YYYYYYYYYYY is the ISED certification number.
- XXXXX is the CN assigned by Innovation, Science and Economic Development Canada. Newly assigned CNs will be made up of five numeric characters (e.g. “20001”) whereas existing CNs may consist of up to five numeric characters followed by an alphabetic character (e.g. “21A” or “15589J”).
- YYYYYYYYYYY is the Unique Product Number (UPN) assigned by the applicant, made up of a maximum of 11 alphanumeric characters.
- The CN and UPN are limited to capital alphabetic characters (A-Z) and numerals (0-9) only. The use of punctuation marks or other symbols, including “wildcard” characters, is not permitted.
- The HVIN may contain punctuation marks or symbols but they shall not represent any indeterminate (“wildcard”) characters.

If the dimensions of the product are extremely small or if it is not practical to place the label or marking on the product and electronic labelling has not been implemented, the label shall be, upon agreement with Innovation, Science and Economic Development Canada prior to certification application, placed in a prominent location in the user manual supplied with the product. The user manual may be in an electronic format and must be readily available.

User Manual Info:

RSP 100 Issue 11, January 2016, Section 4 Required Notices to the User

Radio/broadcast products shall comply with the requirements to include required notices and/or statements to the user of the product for each unit of the product offered for sale. The required notices shall comply with the following requirements:

- The notices shall be as specified in the applicable RSS regulation(s) to the product.
- These notices shall be shown in a conspicuous location in the user manual for the product, or to be displayed on the product — variable formats are acceptable for providing the notices (i.e. in paper form, CD, DVD, or insert with download link on the company’s website).
- If more than one notice is required for multiple product versions, the product version to which each notice pertains should be identified.
The suppliers of radio equipment shall provide the notices and/or statements in both English and French.

In cases where the user notifications are only available in one language (English or French) at the time of the certification process, the applicant shall provide a declaration in writing that the user notices and/or statements to the user of the product will be in both English and French when the product is for sale and/or lease in Canada.

**RSS-Gen, Issue 4, November 2014, Section 8.3 Transmitter Antennas for Licence-Exempt Radio Apparatus**

User manuals for transmitters equipped with detachable antennas shall also contain the following notice in a conspicuous location:

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types approved for use with the transmitter, indicating the maximum permissible antenna gain (in dBi).

**RSS-Gen, Issue 4, November 2014, Section 8.4 User Manual Notice for Licence-Exempt Radio Apparatus**

User manuals for license-exempt radio apparatus shall contain the following text, or an equivalent notice that shall be displayed in a conspicuous location, either in the user manual or on the device or both:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**RSS-Gen, Issue 4, November 2014, Section 2.3.3 Radio Apparatus Containing Digital Circuits (ICES-003)**

Any radio apparatus that is specifically subject to an Industry Canada Radio Standards Specification (RSS) requirement and contains information technology equipment (ITE device) is not subject to the Interference-Causing Equipment Standard ICES-003, provided that the ITE is used only to enable operation of the radio apparatus and that the ITE does not control additional functions or capabilities; otherwise, ICES-003 applies. In both cases, the labelling requirements of the applicable RSS apply, rather than the labelling requirements in ICES-003.
RSS-102, Issue 5, March 2015, Section 2.6

The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions, to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.

The user manual of devices intended for controlled use shall also include information relating to the operating characteristics of the device; the operating instructions to ensure compliance with SAR and/or RF field strength limits; information on the installation and operation of accessories to ensure compliance with SAR and/or RF field strength limits; and contact information where the user can obtain Canadian information on RF exposure and compliance. Other related information may also be included.
Obligations associated with the placing on the market of radio equipment and telecommunications terminal equipment (R&TTE directive)

This document gives guidance of the legal provisions associated with the placing on the market of R&TTE equipment. However, in fact the applicable legislative texts have in any cases priority.

Definitions

TTE
Telecommunication terminal equipment

Class 1 radio equipment
Radio equipment which can be placed on the market and be put into service without restrictions.

Class 2 radio equipment
All radio equipment not falling into the definition of Class 1

Remarks:

- Please note that some equipment is at the same time radio equipment and telecommunications terminal equipment. In that case the combined requirements are applicable (eg: GSM, TETRA terminal, PSTN-DECT telephone …).

- The indication ☑ in a cell in the overview table means that the obligation is mandatory for that kind of equipment and that the related information must be put on the indicated place.
  
  (1) Please note that the conformity marking must be affixed to all accompanying documents including the users instructions

- The indication ☑ in a cell in the overview table means that the information must be supplied, but that one has the choice between the indicated options where to put it.
  
  (2) The Declaration of Conformity must be supplied with each product; it can be a separated leaflet or be printed in the users manual or packaging.

- The symbol -NBnr used on the following pages stands for the identification number of the notified body involved during the conformity assessment procedure. This identification number consists of four digits. The notified bodies listed under the R&TTE and there identification number are mentioned on the European Commissions website

Helpful links in R&TTE matters

European Commission:
Class 1 radio equipment list: www.ero.dk/rtte

Click on the “Sub class” number to get the exact parameters to respect to fall in Class 1


List of country codes (ISO 3166): http://www.iso.org/iso/country_codes.htm The use of the 2-letter abbreviations of this code list is strongly recommended (see also last page).
<table>
<thead>
<tr>
<th>Obligation</th>
<th>Applicable to: Radio equipment</th>
<th>Possibilities of fulfilling the obligation</th>
<th>Where?</th>
<th>Language</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformity with the essential requirements</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>After successfully undergoing a conformity assessment procedure and having constituted the technical documentation.</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Conformity with the essential requirements</td>
</tr>
<tr>
<td>Identification</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>The model, manufacturer’s name and the serial number (or batch number) are indicated.</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Marking (1)</td>
<td>CE-Marking</td>
<td>CE marking is present.</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Marking (1)</td>
<td>NB-Identification Number</td>
<td>The notified body (NB) identification number is indicated if it is involved in the conformity assessment procedure</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Marking (1)</td>
<td>Alert-sign</td>
<td>The alert sign must be indicated as soon as a restriction on use applies to the equipment and must follow the CE marking.</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Notification</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>The responsible person for placing the equipment on the market must notify its intention at least 4 weeks before the equipment is first placed on the national market.</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Indication of the intended use of the equipment</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Written description or description in visual form or by the use of terms known to the public</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Indication of the countries where the equipment is intended to be used</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Written description or description in abbreviated written form or with a pictogram</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Indication of any restrictions of use</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Written description</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Indication of the interfaces of the networks to which the equipment is intended to be connected</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>written description or by use of terms known to the public</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
<tr>
<td>Declaration of Conformity (DoC)</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Either following indication is present with the equipment ([TCAM6(00)30]): “Hereby, [Name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.” to which must be added: • the exact location from which a copy of the DoC may be obtained (internet or postal address) or • a copy of the DoC in the original language is enclosed with the equipment. Or a copy of the full DoC is attached</td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
</tr>
</tbody>
</table>

**Links to the national authority:**
http://www.europa.eu.int/comm/enterprise/rtte/weblinks.htm

---

Cordless telephone with answering machine. Garage door remote control. Illustration on the packaging, photo in the user manual, pictogram, equipment visible through the packaging.

Baby monitor, Modem, PMR, GSM terminal, ...

This equipment may be operated in GB, France.

GB, FR, DE, IT, CH

IT CH FR AT FI GB PL DE PT

The use of this equipment requires a licence in CH, HU, GB.

This telephone is intended for connection to the FR- analogue network.

ISDN, GSM, ADSL, ...

Hereby, [Name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at www.address.com/DoC.pdf.

Hereby, [Name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

and the DoC in the language of the manufacturer (eg. Swedish).

The DoC must at least contain the name and the address of the manufacturer, the description of the equipment, the applied standards, date, identity and signature of its author.
Conformity assessment procedures and marking

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Applicable to equipment:</th>
<th>Role of the notified body NBnr (if applicable)</th>
<th>Marking</th>
<th>TTE Class 1</th>
<th>Class 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>Internal production control</td>
<td>Terminal equipment</td>
<td>Receivers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Internal production control plus specific apparatus tests</td>
<td>Radio equipment including a transmitter complying with harmonised standards</td>
<td>Identification of the series of essential radio test suites</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV</td>
<td>Technical construction file</td>
<td>Terminal equipment</td>
<td>Radio equipment including a transmitter not complying or only partially complying with harmonised standards</td>
<td>Opinion on the conformity of the equipment based on the review of the technical construction file established by the manufacturer</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>Full quality assurance</td>
<td>All equipment covered by the R&amp;TTE directive</td>
<td>Certification of the manufacturer’s quality system</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Marking of equipment containing an R&TTE component

Equipment containing an R&TTE component must be marked in the following way:

- Equipment, which at the time of placing on the market contains as an integral part an R&TTE component, which should not be removed by the user, should be marked according to the R&TTE Directive. In addition in its user manual it should comply with the R&TTE Directive and e.g. indicate geographic limitations of use;
- Equipment, which provides for the capability that users insert R&TTE components, but in themselves are not covered by the R&TTE Directive (e.g. lap top computers) should not be marked according the R&TTE Directive.

List of national codes

<table>
<thead>
<tr>
<th>Country</th>
<th>ISO 3166 2 letter code</th>
<th>Country</th>
<th>ISO 3166 2 letter code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>AT</td>
<td>Malta</td>
<td>MT</td>
</tr>
<tr>
<td>Belgium</td>
<td>BE</td>
<td>Netherlands</td>
<td>NL</td>
</tr>
<tr>
<td>Cyprus</td>
<td>CY</td>
<td>Poland</td>
<td>PL</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>CZ</td>
<td>Portugal</td>
<td>PT</td>
</tr>
<tr>
<td>Denmark</td>
<td>DK</td>
<td>Slovakia</td>
<td>SK</td>
</tr>
<tr>
<td>Estonia</td>
<td>EE</td>
<td>Slovenia</td>
<td>SI</td>
</tr>
<tr>
<td>Finland</td>
<td>FI</td>
<td>Spain</td>
<td>ES</td>
</tr>
<tr>
<td>France</td>
<td>FR</td>
<td>Sweden</td>
<td>SE</td>
</tr>
<tr>
<td>Germany</td>
<td>DE</td>
<td>United Kingdom</td>
<td>GB</td>
</tr>
<tr>
<td>Greece</td>
<td>GR</td>
<td>Iceland</td>
<td>IS</td>
</tr>
<tr>
<td>Hungary</td>
<td>HU</td>
<td>Liechtenstein</td>
<td>LI</td>
</tr>
<tr>
<td>Ireland</td>
<td>IE</td>
<td>Norway</td>
<td>NO</td>
</tr>
<tr>
<td>Italy</td>
<td>IT</td>
<td>Switzerland</td>
<td>CH</td>
</tr>
<tr>
<td>Country</td>
<td>Code</td>
<td>Country</td>
<td>Code</td>
</tr>
<tr>
<td>--------------</td>
<td>------</td>
<td>-----------</td>
<td>------</td>
</tr>
<tr>
<td>Latvia</td>
<td>LV</td>
<td>Bulgaria</td>
<td>BG</td>
</tr>
<tr>
<td>Lithuania</td>
<td>LT</td>
<td>Romania</td>
<td>RO</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>LU</td>
<td>Turkey</td>
<td>TR</td>
</tr>
</tbody>
</table>
Recommended form of declaration of conformity (EN 45014)

Declaration of conformity

We

[Name of manufacturer or his authorised representative]

[Address]

declare under our own responsibility that the product


[Model, descriptions, versions, supplementary characteristics]

to which this declaration refers conforms with the relevant standards or other standardising documents

[Titles, dates of publication of documents mentioned]

According to the regulations in

[if necessary: directives, main regulations]

[Place, date]

[Name and signature of person responsible]
Australia / New Zealand

Compliance and Labeling Booklets can be found here: