This document provides compliance guidance to producers of information technology, telecommunications and audio-visual equipment (ITT/AV) about what equipment is required to be reported to RPRA under the Electrical and Electronic Equipment (EEE) Regulation - O. Reg 522/20 ("the regulation").

Under the regulation, EEE is defined as electrical and electronic equipment that:
- Is designed for use with an electric current and a voltage rating not exceeding 1,000 volts for alternating current and 1,500 volts for direct current.
- Weighs no more than 250 kilograms.
- Is not intended to be used permanently as part of a building or a structure at a pre-defined and dedicated location.

The regulation separates EEE into the following two categories:

ITT/AV is EEE that has the primary purpose of collecting, storing, processing, presenting or communicating information. This includes playing, displaying, recording or reproducing sounds and images.

Lighting is EEE that has the primary purpose of producing light, such as a bulb, lamp, light emitting diode or tube but does not include lighting that is provided with another product or a fixture.

A product should be reported as the category of EEE that relates to its primary purpose. E.g., a Bluetooth speaker with mood lighting on top is ITT/AV, not lighting.

If the product's primary purpose does not fall into one of the categories of EEE described, it is not obligated under the regulation and does not need to be reported to RPRA, regardless of whether any of the components, parts or peripherals of the product are EEE.

Every year, producers report their ITT/AV supplied in Ontario for the calendar year two years prior (in 2025, producers will report their 2023 supply data). This data is used to calculate the producer's minimum management requirement for the following year (in 2025 you are required to report 2023 supply data, which, along with your previously reported supply for the years 2022 and 2021, will be used to calculate the producer's 2025 minimum management requirement).

A producer of ITT/AV is required to report:
- ITT/AV supplied to an end user in Ontario;
  - ITT/AV is considered supplied in Ontario when it has been sold, leased, rented, distributed, provided, or otherwise made available to an end user.
  - End users include individuals, institutions, commercial enterprises and industry (i.e., a person or business who obtains the material for the person's or businesses' own use).
- ITT/AV supplied under a warranty claim.
- ITT/AV leased in Ontario the first time the equipment is leased, even when the product is taken back by the producer at end-of-life.
- All components, parts or peripherals, including batteries, are provided with an obligated product at the time of supply.

- All peripherals provided separately from the products to which they relate.

A producer of ITT/AV is <u>not required to report</u>:
- Refurbished or repaired ITT/AV.
- ITT/AV imported into Ontario and then sold or distributed outside the province.
- ITT/AV leased to an end user in Ontario after it had already been reported as supply the first time the equipment was leased.
- ITT/AV components and parts provided to a consumer separately from the products to which they relate.
- The weight of printed paper or packaging supplied with the product, which is reported under the Blue Box Regulation (O. Reg.391/21).

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See Appendix A for a non-exhaustive list of products that must be reported as ITT/AV if they are supplied in Ontario.

The regulation **does not** apply to the following products, regardless of whether they fall into one or more categories of EEE:

- Cash registers, self-checkout machines, automated banking machines (ABMs) and automated teller machines (ATMs).
- Streetlights and signal or lighting systems are designed to control or manage the movement of vehicles or pedestrians.
- Textiles, clothing, furniture or any other upholstered and stuffed articles containing any EEE.
- Motor vehicles.
- Any product that is or that is designed for use with any marine, military, aeronautic or space equipment. Any EEE that falls under the definition of "device" in section 2 of the Food and Drugs Act (Canada).
- Power tools.
- Children's toys.
- Equipment of which the primary purpose is monitoring, measuring or controlling information or data, other than equipment that is included in the definition of ITT/AV.

These records are subject to verification. Please refer to the <u>EEE Verification and Audit Procedure.</u>

AUDIO/VIDEO PLAYBACK AND/OR RECORDING SYSTEMS

- Citizen band radios
- Clock radios
- Commercial, professional or industrial microphones
- Docking stations for portable digital players (e.g. MP3, MP4 players, smart phones, etc.) and other portable devices
- Headphones
- Headsets (wired and wireless, including Bluetooth)
- Industrial/commercial quality microphones used for musical recording, performances and/or public address
- Microphones
- Mini earphones and microphones
- Multi-function radios that include CD, MP3, AM/FM or other audio functions
- Multi-function satellite radios that include CD, MP3, AM/FM radio or other audio functions
- Non-audio optical disk-players
- Peripherals and cables used to support the function of audio/video playback and recording systems
- Personal FM transmitters
- Portable AM/FM radios
- Portable cassette or digital audio/voice recorders
- Portable digital readers (e.g. MP3, MP4 players)
- Portable disc (CD, DVD, Blu-ray, etc.) players/recorders
- Portable docking/compact/folding speakers (wired and wireless including Wi-Fi or Bluetooth) (e.g. USB computer speakers; solar powered web browsing devices; smart phone dock stations)
- Portable microphone and amplifier bundles
- Portable stereos, including those enabled to connect to wireless internet
- Portable tape players and recorders (e.g., dictating machines/transcribers)
- Portable two-way radios/FRS radios/GMRS radios/walkie-talkies/CB radios
- Portable video playback devices
- Radio with flashlight
- Sound, image and wave storage devices
- Professional radios
- Satellite radio receivers (hand-held)
- Tely HD
- Video monitors and camera systems (e.g., audio monitors & cameras, portable video surveillance systems)
- Wi-Fi Internet radios

CAMERAS

- Bike cameras
- Commercial, professional or industrial video cameras
- Chargers
- Dash cameras
- Digital cameras
- Electronic toy cameras
- Industrial/commercial quality broadcasting or satellite cameras
- Network cameras
- Non-digital cameras designed to be used with an electrical current
- Peripherals and cables used to support the function of cameras Security cameras
- Single use disposable cameras
- Video cameras/ camcorders
- Webcams / Web cameras

CELLULAR DEVICES AND PAGER

- Cell-enabled handheld devices
- Cell-enabled Personal Digital Assistants
- Cellular phones
- Cellular phones offering camera, video recording and/or audio functions
- Chargers
- Mobile phones
- Pagers
- Palmtop computers (cell-enabled)
- Peripherals and cables used to support the function of cellular phones and pagers
- Phablet/smart phone hybrids
- Smart phones

COMPUTER DRIVES

• CD burners/duplicators	• External/ Internal solid-state drives
• CD-writing drives	• External/Internal CD-ROM, DVD, HD-DVD and Blu-ray drives
• DVD-writing drives	• External/Internal floppy-disk drives
• DVD-writing drives	• External/Internal optical disk drives
• External hard drives, including home media network hard drives	• Graphics card/Graphics Processing Unit
• External zip drives	• Internal Hard Drives
	• PVR expander drives

COMPUTER PERIPHERALS

• Bluetooth dongles	• Keypads Touchpad/trackpad mouse
• Computer keyboards	• Laptop Docking Stations/Port Replicators
• Computer peripheral travel kits	• Magnetic stripe readers
• Computer mouse	• Media readers
• Controllers	• Multimedia controllers
• Digital notepads	• Network-Attached Storage Devices (NAS)
• Embedded multimedia terminal adapters (EMTA)	• Numeric keypads
• Graphics tablets without display	• Pen scanners
• Hard drive duplicators	• Separately sold remote controls
• Hard drive enclosures	• Smart pens
• HDMI switches	• Stylus pens
• Joysticks	• Trackballs
	• Wireless adapters

DESKTOP COMPUTERS

• All-in-one computers	• Minicomputers
• Computer Terminals	• Nettop computers
• Desktop Computers	• Peripherals and cables used to support the function of computers
• Electronic typewriters	• Thin clients
• Internal computer parts & components	• Zero Clients with or without CPU
• Microcomputers	

IT AND TELECOM EQUIPMENT

• Bridges Modems	• Range extenders
• (Business) Network security appliances & firewalls	• Servers and data storage equipment for use in Data Centers
• Business routers and routing systems	• Server modules (e.g., blades & pizza box server equipment commonly installed in a rack-mount frame or in an enclosure)
• Business servers	• Switches/Network Hubs
• Business switches & switching systems	• Wireless access points
• Business video conferencing systems	• Video splitters
• Ethernet switches, networking products (including security appliances and firewalls Tape storage systems	• Wireless audio/video transmitters/RF
• Combo routers/modems	• Transmitters
• Peripherals and cables used to support the function of IT and telecom equipment Routers	

MONITORS

- Computer monitors
- Professional display monitors
- Closed circuit monitor screens
- Robust panel PCs
- Security system monitors with integrated DVR

- Digital interactive monitors with touchscreen capabilities Portable display devices
- Electronic White Boards with/without Display Digital frames
- Digital visualizers
- Peripherals and cables used to support the function of monitors

MUSICAL INSTRUMENTS

- All electronic tuners, metronomes or combination devices, as well as tuner pickups
- Amplifiers, mixers, and speaker enclosures for musical instruments and public address systems
- Any musical instrument designed to be used with an electrical charge
- Any stringed instruments with built-in active or passive electronics
- Audio backing modules
- Battery-powered keyboards
- Digital pianos
- DJ mixers and electronic audio devices
- Electronic keyboards
- Electronic percussion instruments with or without onboard power or are powered by battery, battery and cord or USB only
- Foot pedals for electronic keyboards, etc.
- Footswitches, active or passive direct boxes
- Guitar amplifier
- Guitar effects pedals
- Impedance matching devices
- Industrial/commercial quality microphones used for musical recording, performances and/or public address (e.g. wireless microphone systems)

- Keyboard instruments with built-in active or passive electronics, to plug directly into AC current with a wall cord
- MIDI controllers and devices
- Off board preamp pedals
- Passive or active pickups, preamps, interconnects, controls or effects systems for stringed or keyboard instruments
- Percussion instruments with built-in active electronics and power from an AC source or AC adaptor
- Peripherals and cables used to support the function of musical instruments
- Portable amplifiers, mixers, or pedal boards powered by battery, battery and cord, USB only, USB, or AC adapter
- Portable keyboard instruments/controllers with built-in active or passive electronics
- Portable MIDI controllers
- Replacement or repair parts for musical instruments
- Sound modules
- Sound hole pickups
- Synthesizers
- Under-saddle pickups

NON-CELLULAR TELEPHONES AND ANSWERING MACHINES

- Cordless telephones requiring an electrical base station/handset cradle for battery charging and wire-line network connection
- Peripherals and cables used to support the function of non-cellular telephones and answering machines
- Satellite phones
- Telephone amplifiers
- Telephone line answering machines that utilize cassette-based or digital recording technologies
- Telephone recording device

- Speakers/Conference phones
- Telephone accessories including headsets and hands-free accessories
- USB speakerphones
- Voicemail/answering machine devices that utilize a centralized networked system
- VoIP phone adapters
- VoIP home phone services
- VoIP phones
- Wire line telephones including rotary and touchtone technologies

PORTABLE COMPUTERS

- Chargers
- E-book readers
- Graphic tablets
- Industrial or commercial handheld or mobile computing devices
- Lapdocks
- Laptop computers
- Mini notebooks
- Netbook computers
- Notepads
- Notebook computers
- Other handheld computing devices
- Peripherals and cables used to support the function of portable computers
- Personal digital assistants (PDAs)
- Tablet computers
- Ultra Mobile PCs (UMPC)

POS and POS PERIPHERALS

- Computer monitors used with a Point of Sale (POS) System
- Desktop POS devices
- Handheld barcode scanners
- Handheld POS devices
- Portable Point of Sale (POS) receipt printers
- Magnetic stripe readers
- Peripherals and cables used to support the function of POS
- POS Pole Display
- POS printers

PRINTERS/SCANNERS/FAX

- Camera dock printers
- Cheque printers
- Commercial plotters
- Desktop business card scanners
- Desktop cheque scanners
- Desktop computer scanners
- Desktop fax machines
- Desktop label, barcode, card printers
- Desktop multi-function or "all-in-one" devices
- Desktop photo negative scanners
- Desktop printers
- Desktop scanners
- Fax machine drum scanners
- Fax machines and photocopiers
- Fax machines packaged with corded or cordless telephone handsets
- Floor standing fax machine drum scanners
- Floor standing fax machine photocopiers
- Floor standing fax machines
- Floor-standing copy and print devices
- Floor-standing graphics printers
- Floor-standing multi-function or "all-in-one" devices that perform different tasks such as copy, scan, fax or print
- Floor-standing office printers
- Floor-standing photocopiers
- Floor-standing wide-format copiers and/or multifunction devices Floor standing scanners
- Floor-standing wide-format printers
- Handheld printers such as calculators with printing capabilities and label makers
- ID card scanners
- Ink cartridges
- Microfiches
- Models which are able to utilize an optional floor-stand
- Newspaper and industrial copying and/or multifunction devices
- Newspaper and industrial printing devices
- Peripherals and cables used to support the function of printers, scanners, and fax machines
- Portable printers and scanners (business card scanners; photonegative scanners)
- Thermal printers
- Toner cartridges

PROJECTORS

- Digital projectors Multimedia projectors
- Overhead projectors
- Peripherals and cables used to support the function of projectors
- Portable multimedia projectors
- Video projectors

SERVERS	
• Desktop/Tower servers • Peripherals and cables used to support the function of servers • Server modules	• Servers and data storage equipment for use in Data Centers • Small office tower servers

STATIONARY AUDIO/VIDEO PLAYBACK/RECORDING SYSTEMS	
• Amplifiers • Analog & digital video cameras for security or other closed-circuit use • Bar Speakers • Cable & satellite digital receivers • CD or tape decks • Converters • Digital Video Recorders (DVRs) • Disc players Speakers • Frequency equalizers • Home automation controllers • Home/non-commercial video gaming equipment consoles (TV or screen required) • Horn Speakers • Industrial/commercial equipment related to musical recordings, performances • Industrial/commercial quality amplifiers, speakers • Internet media streamers • Karaoke machines • Laser Disc players/recorders • Multimedia players/recorders • Non-portable AM/FM radios • Non-portable AM/FM radios with satellite capabilities • Non-portable audio docking stations	• Non-portable combination cassette recorders and players • Non-portable combination cassettes • Non-portable combination multimedia players • Non-portable Disc players/ recorders (DVD, Blu-ray, etc.) • Other digital music recorders/players • Peripheral audio devices. • Peripherals and cables used to support the function of stationary audio/video playback and recording systems • Personal Video Recorders (PVRs) • Public address systems • Receivers • Satellite dishes • Set-top boxes Including digital TV • Signage players • Sub-woofers • Turntables/record players • Video cassette players (VCRs) • Video management systems • White noise machines • Wireless HD audio/video kits

TELEVISIONS	
• Combination TV/DVD or VHS players • Peripherals and cables used to support the function of televisions	• Televisions

VIDEO GAME CONSOLES AND PERIPHERALS	
• Handheld video game consoles • Video game consoles designed to be connected to TV or monitor • Video game console controllers • Handheld video game systems	• Videogames designed for use with an electrical current (not CDs) • Balance boards • Sensors and other input devices • Peripherals and cables used to support the function of video game consoles

OTHER	
- Audio baby monitors and receivers - Cables - Calculators - Chargers - Connectors - Digital photo key chains - Drones with audio or visual recording equipment - E-book readers - Electronic dictionaries	- Global Positioning System (GPS) receivers and components - Peripherals used to support the function of ITT/AV - Postage meters - Singing Birthday Cards - Smart glasses - Smart Watches, including smart watches for children - Video baby monitors and receivers

Date	Revisions
Issued January 26, 2021	N/A
Reviewed March 17, 2021	Added products to Appendix A
Reviewed March 2025	Formatting, added that producers are not required to report ITT/AV components and parts that were provided to a consumer separately from the products to which they relate, from the regulatory amendments