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 the Authority under the Electrical and Electronic Equipment (EEE) Regulation (O. Reg 522/20).

This compliance bulletin is specific to ITT/AV producers. Further information for lighting producers will be made available before the November 30, 2022 registration deadline.

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; and
- is not intended to be used permanently as part of a building or a structure at a pre-defined and dedicated location.

The EEE Regulation separates EEE into the following two categories:

1) ITT/AV
2) Lighting

ITT/AV is defined as:
Equipment 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 defined as:
Equipment 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.

If a product falls into both categories of EEE (i.e., lighting and ITT/AV), it belongs to and should be reported as the category of EEE that is most closely related to the primary purpose of the product, for example a Bluetooth speaker that has 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 the Authority, regardless of whether any of the components, parts or peripherals of the product are EEE.

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

Reporting ITT/AV Supply

Every year, producers report their ITT/AV supply data supplied into Ontario for the calendar year two years prior (in 2021, producers will report their 2019 supply data). This data is used to calculate the producer's minimum management requirement for the following year (the 2021 report contains 2019 supply data, which is used to calculate the producer's 2022 minimum management requirement).

ITT/AV is considered supplied into Ontario when it has been sold, leased, rented, distributed, provided or otherwise made available to an end user in Ontario. End user includes individuals, institutions, commercial enterprises and industry (i.e., a person or business who obtains the material for the person's or businesses' own use).

Other considerations when determining a producer's ITT/AV supply data:

- Refurbished or repaired ITT/AV is not considered new ITT/AV and is not to be reported.

- ITT/AV that is imported into Ontario is not necessarily supplied to an end user in Ontario and should only be reported to the Authority when it has been supplied by an end user in Ontario. ITT/AV imported into Ontario and then sold or distributed outside the province is not to be reported.

- ITT/AV supplied to an end user in Ontario under a warranty claim must be reported.

- ITT/AV leased to an end user in Ontario must be reported the first time the equipment is leased, even when the product is taken back by the producer at end-of-life.

- ITT/AV includes all components, parts or peripherals, including batteries, that are provided with an obligated product at the time of supply to an end user in Ontario but does not include printed paper or packaging supplied with the product.

- Under the EEE Regulation, parts of information technology, telecommunications and audio visual equipment sold separately are obligated. For example, a hard drive sold separately from a computer is ITT/AV.

The EEE Regulation does not apply to the following products, regardless of whether they would 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 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.

Appendix A

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

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

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

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

TELEVISIONS
Televisions
Combination TV/DVD or VHS players

Peripherals and cables used to support the function of televisons

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

COMPUTER PERIPHERALS
Computer mouse
Computer keyboards
Trackballs
Keypads Touchpad/trackpad mouse
Digital notepads
Media readers
Network-Attached Storage Devices (NAS)
Computer peripheral travel kits
Numeric keypads
Controllers
Graphics tablets without display
HDMI switches
Joysticks

Separately sold remote controls
Embedded multimedia terminal adapters (EMTA)
Hard drive duplicators
Multimedia controllers
Laptop Docking Stations/Port Replicators
Hard drive enclosures
Stylus pens
Smart pens
Magnetic stripe readers
Wireless adapters
Bluetooth dongles
Pen scanners

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

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

AUDIO/VIDEO PLAYBACK AND/OR RECORDING SYSTEMS
Portable AM/FM radios
Clock radios
Wi-Fi Internet radios
Citizen band radios
Portable stereos, including those enabled to connect to wireless internet
Portable tapeplayers and recorders (e.g., dictating machines/transcribers)
Portable disc (CD, DVD, Blu-ray, etc.) players/recorders
Portable digital readers (e.g. MP3, MP4 players)
Docking stations for portable digital players (e.g. MP3, MP4 players, smart phones, etc.) and other portable devices
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 cassette or digital audio/voice recorders
Portable video playback devices

Headphones
Mini earphones and microphones
Headsets (wired and wireless, including Bluetooth)
Microphones
Multi-function satellite radios that include CD, MP3, AM/FM radio or other audio functions
Multi-function radios that include CD, MP3, AM/FM or other audio functions
Sound, image and wave storage devices
Video monitors and camera systems (e.g., audio monitors & cameras, portable video surveillance systems)
Portable two-way radios/FRS radios/GMRS radios/walkie-talkies/CB radios
Professional radios
Personal FM transmitters
Satellite radio receivers (hand-held)
Portable microphone and amplifier bundles
Tely HD
Radio with flashlight
Industrial/commercial quality microphones used for musical recording, performances and/or public address
Commercial, professional or industrial microphones
Non-audio optical disk-players
Peripherals and cables used to support the function of audio/video playback and recording systems

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

Video management systems
Signage players
White noise machines
Peripheral audio devices.
Amplifiers
Disc players Speakers
Sub-woofers
Peripherals and cables used to support the function of stationary audio/video playback and recording systems

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

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

NON-CELLULAR TELEPHONES AND ANSWERING MACHINES
Wire line telephones including rotary and touchtone technologies
Cordless telephones requiring an electrical base station/handset cradles for battery charging and wire-line network connection
VoIP phones
VoIP home phone services
Satellite phones
Telephone line answering machines that utilize cassette-based or digital recording technologies
Telephone amplifiers
VoIP phone adapters
Telephone recording device
USB speakerphones
Speakers/Conference phones
Voicemail/answering machine devices that utilize a centralized networked system
Telephone accessories including headsets and hands-free accessories
Peripherals and cables used to support the function of non-cellular telephones and answering machines

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

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

MUSICAL INSTRUMENTS
Any musical instrument designed to be used with an electrical charge
Any stringed instruments with built-in active or passive electronics
Electronic percussion instruments with or without onboard power or are powered by battery, battery and cord or USB only
Percussion instruments with built-in active electronics and power from an AC source or AC adaptor
Keyboard instruments with built-in active or passive electronics, to plug directly into AC current with a wall cord
Portable keyboard instruments/controllers with built-in active or passive electronics
Battery-powered keyboards
Portable MIDI controllers
Sound modules
Audio backing modules
All electronic tuners, metronomes or combination devices, as well as tuner pickups
Portable amplifiers, mixers, or pedal boards powered by battery, battery and cord, USB only, USB, or AC adapter
Passive or active pickups, preamps, interconnects, controls or effects systems for stringed or keyboard instruments
Foot pedals for electronic keyboards, etc.
Footswitches, active or passive direct boxes

Guitar effects pedals
Impedance matching devices
Off board preamp pedals
Sound hole pickups
Under-saddle pickups
Digital pianos
Electronic keyboards
Industrial/commercial quality microphones used for musical recording, performances and/or public address
(e.g. wireless microphone systems)
MIDI controllers and devices
Guitar amplifier
Synthesizers
Amplifiers, mixers, and speaker enclosures for musical instruments and public address systems
DJ mixers and electronic audio devices
Replacement or repair parts for musical instruments
Peripherals and cables used to support the function of musical instruments

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

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

Date	Revisions
January 26, 2021	N/A
Reviewed March 17, 2021	Added products to Appendix A