Regulatory Information Reference for Avaya Ethernet Routing Switch 5600 Series

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If you suspect that you are being victimized by Toll Fraud and you need technical assistance or support, call Technical Service Center Toll Fraud Intervention Hotline at +1-800-643-2353 for the United States and Canada. For additional support telephone numbers, see the Avaya Support website: http://support.avaya.com. Suspected security vulnerabilities with Avaya products should be reported to Avaya by sending mail to: securityalerts@avaya.com.

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For the most current versions of Documentation, see the Avaya Support website: http://support.avaya.com.

Contact Avaya Support

See the Avaya Support website: http://support.avaya.com for product notices and articles, or to report a problem with your Avaya product. For a list of support telephone numbers and contact addresses, go to the Avaya Support website: http://support.avaya.com, scroll to the bottom of the page, and select Contact Avaya Support.

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Chapter 1: Locating the latest software and product release notes

This document ships with Avaya Ethernet Routing Switch 5000 Series components. Avaya recommends that you check the Avaya Support Web site for the latest Avaya Ethernet Routing Switch 5000 Series software release.

Avaya also recommends that you read the following documents before you install and configure Avaya Ethernet Routing Switch 5600 Series:

- *Installing the Avaya Ethernet Routing Switch 5000 Series*, NN47200-300—provides instructions to install the Avaya Ethernet Routing Switch 5000 Series in an equipment rack or on a shelf and prepare for network connectivity.
- *Quick Installation of Avaya Ethernet Routing Switch 5000 Series*, NN47200–105—provides more detailed instructions to install the Avaya Ethernet Routing Switch 5000 Series including mounting options, powering up, and setting IP parameters.
- *Getting Started with Avaya Ethernet Routing Switch 5000 Series*, NN47200–303—provides instructions to perform initial provisioning and basic configuration of the Avaya Ethernet Routing Switch 5000 Series software.
- *Release Notes for Avaya Ethernet Routing Switch 5000 Series*, NN47200-400— includes a list of known issues, including workarounds if appropriate, and a list of fixed issues.
- *Documentation Reference for Avaya Ethernet Routing Switch 5000 Series*, NN47200–103—contains an overview of the Avaya Ethernet Routing Switch 5000 Series documentation suite. Read this document to find the correct document that describes the task you need to perform.

For the current documentation, software, copyright, and open source information, see the Avaya Support Web site: www.avaya.com/support.

Chapter 2: Introduction

Purpose

This document provides information about regulatory conformities and compliance for Avaya Ethernet Routing Switch 5600 Series.

Related resources

Documentation

See the *Documentation Reference for Avaya Ethernet Routing Switch 5000 Series*, NN47200–103 for a list of the documentation for this product.

Training

Ongoing product training is available. For more information or to register, you can access the Web site at http://avaya-learning.com.

Avaya Mentor videos

Avaya Mentor is an Avaya-run channel on YouTube that includes technical content on how to install, configure, and troubleshoot Avaya products.

Go to http://www.youtube.com/AvayaMentor and perform one of the following actions:

- Enter a key word or key words in the Search Channel to search for a specific product or topic.
- Scroll down Playlists, and click the name of a topic to see the available list of videos posted on the site.

Support

Visit the Avaya Support website at http://support.avaya.com for the most up-to-date documentation, product notices, and knowledge articles. You can also search for release notes, downloads, and resolutions to issues. Use the online service request system to create a service request. Chat with live agents to get answers to questions, or request an agent to connect you to a support team if an issue requires additional expertise.

Chapter 3: Regulatory information and safety precautions

Read the information in this section to learn about regulatory conformities and compliance.

International Regulatory Statements of Conformity

This is to certify that the Ethernet Routing Switch 5600 Series equipment was evaluated to the international regulatory standards for electromagnetic compliance (EMC) and safety and were found to have met the requirements for the following international standards:

- EMC – Electromagnetic Emissions – CISPR 22, Class A
- EMC – Electromagnetic Immunity – CISPR 24
- Electrical Safety – IEC 60950, with CB member national deviations

Further, the equipment has been certified as compliant with the national standards as detailed below.

National Electromagnetic Compliance (EMC) Statements of Compliance

FCC statement (USA only)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to take whatever measures may be necessary to correct the interference at their own expense.

ICES statement (Canada only)

Canadian Department of Communications Radio Interference Regulations

This digital apparatus (Ethernet Routing Switch 5600 Series) does not exceed the Class A limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Règlement sur le brouillage radioélectrique du ministère des Communications

Cet appareil numérique (le commutateur ERS 5600 Series) respecte les limites de bruits radioélectriques visant les appareils numériques de classe A prescrites dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada.

CE marking statement (Europe only)

EN 55022 statements

This is to certify that the Ethernet Routing Switch 5600 Series equipment is shielded against the generation of radio interference in accordance with the application of Council Directive 2004/108/EC. Conformity is declared by the application of EN 55022 Class A (CISPR 22).

EN 55024 statement

This is to certify that the Ethernet Routing Switch 5600 Series equipment is shielded against the susceptibility to radio interference in accordance with the application of Council Directive 2004/108/EC. Conformity is declared by the application of EN 55024 (CISPR 24).

EN 300386 statement

The Ethernet Routing Switch 5600 Series complies with the requirements of EN 300386 V1.3.3 for emissions and for immunity for a Class A device intended for use in either Telecommunications centre or locations other than telecommunications centres given the performance criteria as specified by the manufacturer.

European Union and European Free Trade Association (EFTA) notice

All products labeled with the CE marking comply with R&TTE Directive (1999/5/EEC) which includes the Electromagnetic Compliance (EMC) Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms (ENs). The equivalent international standards are listed in parenthesis.

- EN 55022 (CISPR 22)–Electromagnetic Interference
- EN 55024 (IEC 61000-4-2, -3, -4, -5, -6, -8, -11)–Electromagnetic Immunity
- EN 61000-3-2 (IEC 610000-3-2)–Power Line Harmonics
- EN 61000-3-3 (IEC 610000-3-3)–Power Line Flicker

VCCI statement (Japan/Nippon only)

This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI) for information technology equipment. If this equipment is used in a

domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

BSMI statement (Taiwan only)

This is a Class A product based on the standard of the Bureau of Standards, Metrology and Inspection (BSMI) CNS 13438 and CNS14336 , Class A.

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

MIC notice (Republic of Korea only)

This device has been approved for use in Business applications only per the Class A requirements of the Republic of Korea Ministry of Information and Communications (MIC). This device may not be sold for use in a non-business application.

Observe the Regulatory Marking label on the back or bottom of each switch for specific certification information pertaining to this model. Each Ethernet Routing Switch 5600 Series model is approved for shipment to/usage in Korea and is labeled as such, with all appropriate text and the appropriate MIC reference number.

National Safety Statements of Compliance

EN 60950 statement

This is to certify that the Ethernet Routing Switch 5600 Series equipment is in compliance with the requirements of EN 60950 in accordance with the Low Voltage Directive. Additional national differences for all European Union countries have been evaluated for compliance.

NOM statement (Mexico only)

The following information is provided on the devices described in this document in compliance with the safety requirements of the Norma Oficial Méxicana (NOM):

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Importer:	Avaya Communication de México S.A. de C.V. Av. Presidente Masarik 111 Piso 6, Col Chapultepec Morales Deleg. Miguel Hidalgo México D.F. 11570
Input:	Ethernet Routing Switch 5600 Series:

- 5632FD
  AC 100-240 V~ 5A 47-63 Hz
  DC 48 VDC 10A
  Chassis power consumption: 300 Watts MAX
- 5650TD
  AC 100-240 V~ 5A 47-63 Hz per power supply
  DC 48 VDC 10A
  Chassis power consumption: 300 Watts MAX
- 5650TD-PWR
  AC 100-240 V~ 8A 47-63 Hz per power supply
  AC 100-240 V~12A 47-63 Hz per power supply
  DC 48 VDC 35A
  Chassis power consumption: 1000 Watts MAX
- 5698TFD
  AC 100-240 V~ 5A 47-63 Hz per power supply
  DC 48 VDC 10A
  Chassis power consumption: 300 Watts MAX
- 5698TFD-PWR
  AC 100-240 V~ 8A 47-63 Hz per power supply
  AC 200-240 V~12A 47-63 Hz per power supply
  DC 48V 35A per power supply
  Chassis power consumption: 2000 Watts MAX from 2 power supplies

Información NOM (unicamente para México)

La información siguiente se proporciona en el dispositivo o en los dispositivos descritos en este documento, en cumplimiento con los requisitos de la Norma Oficial Méxicana (NOM):

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Embarcar a:	Ethernet Routing Switch 5600 Series

- 5632FD
  AC 100-240 V~ 5A 47-63 Hz
  DC 48 VDC 10A
  Consumo de energía del chasis: 300 Vatios De MÁXIMO
- 5650TD
  AC 100-240 V~ 5A 47-63 Hz per power supply
  DC 48 VDC 10A
  Consumo de energía del chasis: 300 Vatios De MÁXIMO
- 5650TD-PWR
  AC 100-240 V~ 8A 47-63 Hz per power supply
  AC 100-240 V~12A 47-63 Hz per power supply
  DC 48 VDC 35A
  Consumo de energía del chasis: 1000 Vatios De MÁXIMO
- 5698TFD
  AC 100-240 V~ 5A 47-63 Hz per power supply
  DC 48 VDC 10A
  Consumo de energía del chasis: 300 Vatios De MÁXIMO
- 5698TFD-PWR
  AC 100-240 V~ 8A 47-63 Hz per power supply
  AC 200-240 V~12A 47-63 Hz per power supply
  DC 48VDC 35A per power supply
  Consumo de energía del chasis: 2000 vatios de MÁXIMO a partir de 2 fuentes de alimentación

Denan statement (Japan/Nippon only)

本製品を安全にご使用頂くため、以下のことにご注意ください。

- 接続ケーブル、電源コード、ACアダプタなどの部品は、必ず製品に同梱されております添付品または指定品をご使用ください。添付品・指定品以外の部品をご使用になると故障や動作不良、火災の原因となることがあります。
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National Environmental Statement of Compliance

The WEEE Directive 2002/96/EC and RoHS (Restriction of Hazardous Substances) Directive 2002/95/EC sets collection, recycling and recovery targets for various categories of electrical products and their waste.

Restriction on Hazardous Substances Directive Compliance Statement

The Restriction on Hazardous Substances Directive (RoHS) (2002/95/EC), which accompanies the WEEE Directive, bans the use of heavy metals and brominated flame-retardants in the manufacture of electrical and electronic equipment. Specifically, restricted materials under the RoHS Directive are Lead (including solder used in PCB’s), Cadmium, Mercury, Hexavalent Chromium, and Bromine.

Avaya declares compliance with the European Union (EU) RoHS Directive (2002/95/EC) in that Lead, which is a restricted hazardous substance, is used only in accordance to the exemption(s) to Article 4(1), item 7 granted by the European Union (EU) RoHS Directive (2002/95/EC) in the Annex—"lead in solders for network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunication".

WEEE Directive Compliance Statement

This product at end of life is subject to separate collection and treatment in the EU Member States, Norway, and Switzerland and therefore is marked with the symbol shown at the left. Treatment applied at end of life of these products in these countries shall comply with the applicable national laws implementing Directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE).
Avaya declares compliance with the European Union (EU) WEEE Directive (2002/96/EC).

How To Get Help

Visit the Avaya Web site to access the complete range of services and support that Avaya provides. Go to www.avaya.com or go to one of the pages listed in the following sections.

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- Getting product training on page 18
- Getting help from a distributor or reseller on page 18
- Getting technical support from the Avaya Web site on page 18

Getting technical documentation

To download and print selected technical publications and release notes directly from the Internet, go to www.avaya.com/support.

Getting product training

Ongoing product training is available. For more information or to register, you can access the Web site at www.avaya.com/support. From this Web site, you can locate the Training contacts link on the left-hand navigation pane.

Getting help from a distributor or reseller

If you purchased a service contract for your Avaya product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

Getting technical support from the Avaya Web site

The easiest and most effective way to get technical support for Avaya products is from the Avaya Technical Support Web site at www.avaya.com/support.

Getting technical support from the Avaya Web site

The easiest and most effective way to get technical support for Avaya products is from the Avaya Technical Support Web site at www.avaya.com/support.

Notices

Notice paragraphs alert you about issues that require your attention. The following paragraphs describe the types of notices used in this guide.

Note:

Notes provide tips and useful information regarding the installation and operation of Avaya products.

Electrostatic alert:

ESD

ESD notices provide information about how to avoid discharge of static electricity and subsequent damage to Avaya products.

Caution:

Caution notices provide information about how to avoid possible service disruption or damage to Avaya products.

Warning:

Warning notices provide information about how to avoid personal injury when working with Avaya products.

Voltage:

Danger — High Voltage notices provide information about how to avoid a situation or condition that can cause serious personal injury or death from high voltage or electric shock.

Danger:

Danger notices provide information about how to avoid a situation or condition that can cause serious personal injury or death.

Avaya Ethernet Routing Switch 5600 Series

The information presented in this document applies to the following products:

- Avaya Ethernet Routing Switch 5632FD
- Avaya Ethernet Routing Switch 5650TD
- Avaya Ethernet Routing Switch 5650TD-PWR
- Avaya Ethernet Routing Switch 5698TFD
- Avaya Ethernet Routing Switch 5698TFD-PWR