Part Number: 44C9770

ThinkPad® X200 Tablet Regulatory Notice

Read first — regulatory information

Please read this document before you use the ThinkPad computer. ThinkPad computer complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. You must install and use your computer in strict accordance with the instructions as described hereafter.

If your ThinkPad computer contains a Wireless WAN adapter, be sure to also read *ThinkPad Regulatory Notice for Wireless WAN adapter*, included with your computer.

Note: You cannot use the Wireless WAN adapter and the Wireless LAN adapter (Models: AR5BHB63-L, 512AN_MMW, or 533AN_MMW) simultaneously. If one of the adapters has established the connection to the network, the other will be disconnected automatically. To confirm the status of the network connection, check the power-status indicators of your computer. For more information about the power-status indicators, see the "Power-status indicators" section in Access Help.

Veuillez lire ce document avant d'utiliser l'ordinateur ThinkPad. L'ordinateur ThinkPad est conforme aux normes de sécurité et de radiofréquence du pays ou de la région où son utilisation sans fil est agréée. Vous devez installer et utiliser votre ordinateur en respectant scrupuleusement les instructions décrites ci-après.

Si votre ordinateur ThinkPad contient une carte de réseau étendu (WAN) sans fil, veillez à lire également la consigne réglementaire *ThinkPad Regulatory Notice for Wireless WAN adapter*, fournie avec votre ordinateur.

Remarque: Vous ne pouvez pas utiliser simultanément la carte de réseau étendu sans fil et la carte de réseau local sans fil (Modéles: AR5BHB63-L, 512AN_MMW, ou 533AN_MMW). Si l'une de ces cartes a établi la connexion avec le réseau, l'autre carte sera automatiquement déconnectée. Pour confirmer l'état de la connexion réseau, contrôlez les voyants d'état d'alimentation. Pour plus d'informations, reportez-vous à la section "Voyants d'état de l'alimentation" dans l'aide Access.

USA — Federal Communications Commission (FCC)

I. User installable Wireless LAN module

WLAN Mini PCI Express Cards:

- FCC ID: PPD-AR5BHB63-L (Model: AR5BHB63-L)
- FCC ID: PD9LEN512ANMU (Model: 512AN_MMW)
- FCC ID: PD9533ANMU (Model: 533AN_MMW)

Wireless LAN Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

For information concerning the wireless cards announced after the publication of this notice, visit the Web site at http://www.lenovo.com/support/site.wss/document.do?sitestyle=lenovo&lndocid=tpad-matrix

i) The FCC RF Exposure compliance: The total radiated energy from the Main, Auxiliary, and Third antennas connected to one of the wireless LAN Mini PCI Express Cards and from the *Bluetooth* card (with its built-in antenna on the card) conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement regarding 47 CFR Part 2 section 1093, when the computer was tested in either conventional notebook or tablet computer orientations.

The transmission antennas used for the wireless LAN Mini PCI Express Card are located at the upper left and right side of the LCD screen, and the antenna used for Bluetooth card (Model: BCM92046MD_GEN) is located under the palm rest at center. See the "UltraConnect wireless antennas" and "Bluetooth antenna" sections in *Access Help*.

Note: The transmission diversity function is implemented for this product. For WLAN card (Model: AR5BHB63-L) using Main and Auxiliary antennas for transmission in the 802.11 b/g transmission mode, radio frequency energy is not emitted simultaneously from both Main and Auxiliary antennas. One of the antennas is selected automatically or manually (by users) to have good quality of radiocommunication (transmission diversity function). For the WLAN card (Model: 533AN_MMW) in the MIMO (Multiple In Multiple Out) transmission mode, multiple antennas (Main, Auxiliary, and Third) can transmit radio frequency energy simultaneously. For WLAN card (Model: 512AN_MMW) in the 802.11 a/b/g or MIMO (Multiple In Multiple Out) transmission mode, the radio frequency energy is emitted from Main antenna.

ii) FCC ID of wireless module: There is no FCC ID for Mini PCI Express Card shown on the enclosure of your ThinkPad computer. Instead you will find an indicator pointing to the location of the FCC ID on the bottom side of your ThinkPad computer. For the location of the FCC ID indicator, see the "Location of the FCC ID and IC Certification number label" section in Access Help. The FCC ID is affixed on the approved module installed in the Mini

PCI Express Card slot. For the location of the slot, see the “PCI Express Mini Card slot for wireless LAN/WiMAX” section in Access Help.

iii) Installation of approved wireless module: If no integrated wireless LAN Mini PCI Express Card has been preinstalled in your ThinkPad computer, you can install one, provided by Lenovo as an option. Plug the wireless card option into the Mini PCI Express Card slot. For the installation procedure, see the "Installing and replacing the PCI Express Mini Card for wireless LAN/WiMAX connection" section in Access Help.

Attention: The ThinkPad computers contain an authentication mechanism. If you install an unauthorized wireless LAN Mini PCI Express Card that is not approved for use in your computer, the computer will not start, but only displays an error message and emits audible beeps.

iv) Radio Frequency interference requirements:

- The devices have been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B. The model AR5BHB63-L was subject to DoC. Refer to “Electronic emission notices” on page 9. The models 512AN_MMW and 533AN_MMW underwent the certification process with each respective FCC ID number listed in “I. User installable Wireless LAN module” on page 2.
- Each device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range. FCC requires these products to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.
- High power radar are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

II. Preinstalled integrated *Bluetooth* module

- FCC ID: QDS-BRCM1033 (Model: BCM92046MD_GEN)

i) FCC ID and installation of the module: If you find the FCC ID “QDS-BRCM1033” on the label at the bottom side of your computer, your computer integrates the *Bluetooth* transmitter module (Model: BCM92046MD_GEN). The *Bluetooth* module is preinstalled by Lenovo, and is not removable by users. If your card requires replacement via the proper steps shown in "Getting help and service" of the *Service and Troubleshooting Guide*, shipped with your computer, Lenovo will request you to send your computer with the card to Lenovo so that Lenovo will repair it.

ii) The FCC RF safety requirement: The radiated output power of the *Bluetooth* module is far below the FCC radio frequency exposure limits. Therefore, a 20 cm of separation between the *Bluetooth* antenna and human body is not required.

For the location of the *Bluetooth* module "BCM92046MD_GEN" and its built-in antenna, see the "About your computer" section in Access Help.

iii) Radio Frequency interference requirements: The device has been tested and found to comply with the limits for both a Class B digital device regarding FCC Part 15 Subpart B and an intentional radiator regarding FCC Part 15 Subpart C; then it underwent the certification processes for both rules. Thus the FCC ID QDS-BRCM1033 of this device includes both certifications of Part 15 Subpart B and C.

III. Digitizer function in LCD screen

The ThinkPad X200 Tablet computer employs a digitizer function in LCD screen which is able to sense the Tablet Digitizer Pen shipped associated with your computer. The digitizer emits extra low power radio frequency and complies with the FCC Part 15, Subpart C. The FCC ID: PU5-X200T is indicated on the label at the bottom side of your ThinkPad computer.

IV. Simultaneous use of RF transmitters

Your ThinkPad computer is approved for simultaneous use of the transmitters listed below:

- Wireless LAN adapter (FCC ID: PPD-AR5BHB63-L, PD9LEN512ANMU or PD9533ANMU)
- *Bluetooth* module (FCC ID: QDS-BRCM1033)

Please make sure of the following conditions on use of these wireless features:

1. When you use any other RF option device, you are requested to confirm that the device conforms to the SAR requirement and is approved to use for ThinkPad X200 Tablet computer.
2. When you use any other RF option device, all other wireless features including the above integrated devices in your ThinkPad computer are required to be turned off.
3. Users must follow the RF Safety instructions on wireless option devices that are included in the RF option device's user's manual.

Canada — Industry Canada (IC)

IC Certification number

I) User installable Wireless LAN modules:

- IC: 4104A-ARBHB63L (Model: AR5BHB63-L)
- IC: 1000M-L512ANMU (Model: 512AN_MMW)
- IC: 1000M-533ANMU (Model: 533AN_MMW)

Wireless LAN Mini PCI Express Cards marketed in the USA and Canada do not support nor function in the extended channels (12ch, 13ch).

There is no certification number of Industry Canada for Mini PCI Express Card shown on the enclosure of your ThinkPad computer. Instead you will find an indicator pointing to the location of the IC Certification number on the bottom side of your ThinkPad computer. For the location of the IC Certification number indicator, see the “Location of the FCC ID and IC Certification number label” section in Access Help. The IC certification number is affixed on the approved module installed in the Mini PCI Express Card slot. For the location of the slot, see the “PCI Express Mini Card slot for wireless LAN/WiMAX” section in Access Help.

Attention: The ThinkPad computer contains an authentication mechanism You can install or remove each wireless feature by yourself. If you install an unauthorized wireless adapter that is not approved for use in the ThinkPad computer, the computer will not start, but only displays an error message and emits audible beeps.

II) Preinstalled integrated *Bluetooth* module:
- IC: 4324A-BRCM1033 (Model: BCM92046MD_GEN)

If you find an indication “Contains Transmitter Module: Canada IC: 4324A-BRCM1033” on the label at the bottom side of your computer, your computer integrates the *Bluetooth* transmitter module. The *Bluetooth* module is preinstalled by Lenovo, and is not removable by users. If your card requires replacement via the proper steps shown in "Getting help and service" of the *Service and Troubleshooting Guide*, Lenovo will request you to send your computer with the card to Lenovo so that Lenovo will repair it.

III) Low power license-exempt radiocommunication devices (RSS-210):
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.

The transmitter devices have been designed to operate with the antennas integrated in ThinkPad computer, and having a maximum gain of within 3 dBi.

The maximum antenna gain permitted for devices in the 5250-5350 MHz, 5470-5725 MHz, and 5725-5825 MHz bands complies with the e.i.r.p. limit in section A9.2 of RSS-210.

When you use the model 512AN_MMW or 533AN_MMW:
- The devices for the band 5150–5250 MHz are only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.

- High power radars are allocated as primary users (meaning they have priority) of 5250–5350 MHz and 5650–5850 MHz and these radars could cause interference and/or damage to LELAN (Licence-Exempt Local Area Network) devices.

IV) Exposure of humans to RF fields (RSS-102): ThinkPad computers employ low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site at www.hc-sc.gc.ca/rpb

The radiated energy from the antennas connected to the wireless adapters conforms to the IC limit of the RF exposure requirement regarding IC RSS-102, Issue 2 clause 4.1.

V) Digitizer function in LCD screen: The ThinkPad X200 Tablet computers employ a digitizer function in LCD screen which is able to sense the Tablet Digitizer Pen shipped associated with your computer. The digitizer emits extra low power radio frequency and complies with the standard (RSS-210). The IC certification number IC: 4182A-X200T is indicated on the label at the bottom side of your ThinkPad computer.

Numéro d'homologation IC

I) Module sans fil installable par l'utilisateur: Les cartes Express mini-PCI de réseau local sans fil:
- IC: 4104A-ARBHB63L (Model: AR5BHB63-L)
- IC: 1000M-L512ANMU (Model: 512AN_MMW)
- IC: 1000M-533ANMU (Model: 533AN_MMW)

Les cartes de réseau local sans fil Express mini-PCI commercialisées aux Etats-Unis et au Canada ne prennent pas en charge les canaux étendus (12ch, 13ch) et ne fonctionnent donc pas sur de tels canaux.

Le boîtier de votre ordinateur ThinkPad ne comporte pas de numéro d'homologation IC (Industry Canada) pour la carte mini-PCI Express; mais sous votre ThinkPad, vous trouverez un indicateur pointant vers l'emplacement du numéro d'homologation IC. Pour connaître l'emplacement du numéro d'homologation IC, consultez la section correspondante dans l'aide Access. Le numéro d'homologation IC est apposé sur le module installé dans le logement pour carte mini-PCI Express. Pour savoir où se trouve cet emplacement, consultez la section ″Logement pour cartes mini-PCI Express pour réseau local/WiMAX″ dans Access Help.

Attention: L'ordinateur ThinkPad contient un mécanisme d'authentification. Vous pouvez installer ou désinstaller tout dispositif sans fil. Si vous installez

une carte sans fil qui n'est pas homologuée dans votre ordinateur ThinkPad, l'ordinateur ne démarrera pas mais affichera un message d'erreur et générera des bips sonores.

II) Module *Bluetooth* intégré préinstallé:
- IC: 4324A-BRCM1033 (Model: BCM92046MD_GEN)

Si la mention "Contains Transmitter Module: Canada IC: 4324A-BRCM1033" figure sur l'étiquette située au bas de votre ordinateur, cela signifie que ce dernier intègre le module de transmission *Bluetooth*. Le module *Bluetooth* est préinstallé par Lenovo et ne peut pas être retiré par les utilisateurs. Si votre carte doit être remplacée conformément aux étapes du Chapitre relatif à l'aide et la maintenance dans le manuel *Guide de maintenance et d'identification des incidents*, Lenovo vous demandera de lui envoyer votre ordinateur accompagné de la carte pour réparation.

III) Remarque relative aux appareils de communication radio de faible puissance sans licence (CNR-210): Le fonctionnement de ce type d'appareil est soumis aux deux conditions suivantes:
1. Cet appareil ne doit pas perturber les communications radio, et
2. cet appareil doit supporter toute perturbation, y compris les perturbations qui pourraient provoquer son dysfonctionnement.

Les périphériques d'émission sont conçus pour fonctionner avec des antennes intégrées aux ThinkPad et ayant un gain maximal de moins de 3 dBi.

Le gain d'antenne maximal pour les périphériques dans les bandes de fréquence 5250-5350 MHz, 5470-5725 MHz, et 5725-5825 MHz est conforme à la limite p.i.r.e énoncée dans la section A9.2 de la CNR-210.

Lorsque vous utilisez le modèle, 512AN_MMW ou 533AN_MMW:
- Tout appareil destiné à la bande 5150-5250 MHz devra être exclusivement utilisé en intérieur afin de réduire les risques de perturbations électromagnétiques gênantes sur les systèmes de satellite mobile dans un même canal.
- Les radars à forte puissance sont désignés comme les utilisateurs principaux (c'est-à-dire qu'ils sont prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz. Ils peuvent provoquer des perturbations électromagnétiques sur les appareils de type LELAN (réseau de communication local sans licence) ou les endommager.

IV) Exposition des êtres humains aux champs radioélectriques (RF) (CNR-102): L'ordinateur ThinkPad utilise des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes

imposées par le Ministére de la santé canadien pour la population. Consultez le Safety Code 6 sur le site Web du Ministére de la santé canadien à l'adresse "www.hc-sc.gc.ca/rpb".

L'énergie émise par les antennes reliées aux adaptateurs sans fil respecte la limite d'exposition aux radiofréquences telle que définie par Industrie Canada dans la clause 4.1 du document CNR-102.

V) Fonction de numérisation sur écran LCD: Les ordinateurs ThinkPad X200 Tablet utilisent une fonction de numérisation sur écran LCD capable de détecter le stylo numériseur de la tablette graphique qui est associé à votre ordinateur. Le numériseur émet une fréquence radio extrêmement basse et il est conforme à la norme CNR-210. Le numéro de certification IC: 4182A-X200T figure sur l'étiquette apposée au bas de votre ordinateur ThinkPad.

Electronic emission notices

Federal Communications Commission (FCC) Statement

- Model: AR5BHB63-L
- ThinkPad X200 Tablet (Machine Type: 4184, 7448, 7449, 7450, 7453, 2263, and 2266)

Note: The models 512AN_MMW, 533AN_MMW, and BCM92046MD_GEN underwent certification process for the FCC Part 15 Subpart B compliance under each respective FCC ID number.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

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.

Responsible Party:

Lenovo (United States) Incorporated
1009 Think Place-Building One
Morrisville, NC 27560
Telephone: 1-919-294-5900

FOR HOME OR OFFICE USE

Industry Canada Class B Emission Compliance StatementThis Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité à la réglementation d'Industrie CanadaCet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Telecommunication notices

Federal Communications Commission (FCC) and Telephone Company Requirements (Part 68 of the FCC Rules)

1. The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone fax machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent, and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual.

   In order to program this information into your computer, you should be sure to follow the installation instructions for your fax software package.
2. This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.
3. The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).
4. If the built-in modem causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But, if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.

5. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
6. No customer repairs are possible to the modem. If you experience trouble with this built-in modem, contact your Lenovo Authorized Seller, or the Customer Support Center. For the most current phone numbers, go to http://www.lenovo.com/think/support and click Support phone list. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected, or until you are sure the equipment is not malfunctioning.
7. The modem may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. Contact your state public utility commission or corporation commission for information.
8. When ordering network interface (NI) service from the Local Exchange Carrier, specify service arrangement USOC RJ11C.
9. A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.
10. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this Data/Fax Modem does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Industry Canada requirements

Notice: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of communication. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs of alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Ringer Equivalence Number (REN) for the terminal equipment RD02-D450 is 0.1. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

Avis: Le présent matériel est conforme aux spécifications techniques d'Industrie Canada applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'Industrie Canada ont été respectées. Il n'implique pas qu'Industrie Canada a approuvé le matériel.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. Dans certains cas, les fils intérieurs de l'entreprise utilisés pour un service individuel à ligne unique peuvent être prolongés au moyen d'un dispositif homologué de raccordement (cordon prolongateur téléphonique interne). L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empechent pas la dégradation du service dans certaines situations. Actuellement, les entreprises de télécommunication ne permettent pas que l'on raccorde leur matériel à des jacks d'abonné, sauf dans les cas précis prévus par les tarifs paticuliers de ces entreprises.

Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de

télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

Avertissement: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à électricien, selon le cas.

L'indice d'équivalence de la sonnerie (IES) du présent matériel RD02-D450 este de 0.1. L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

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