Power Systems

Progress codes

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Note

Before using this information and the product it supports, read the information in "Safety notices" on page v, "Notices" on page 127, the *IBM Systems Safety Notices* manual, G229-9054, and the *IBM Environmental Notices and User Guide*, Z125–5823.

This edition applies to IBM Power Systems™ servers that contain the POWER7 processor and to all associated models.

Contents

Safety notices

Safety notices may be printed throughout this guide:

- **DANGER** notices call attention to a situation that is potentially lethal or extremely hazardous to people.
- **CAUTION** notices call attention to a situation that is potentially hazardous to people because of some existing condition.
- **Attention** notices call attention to the possibility of damage to a program, device, system, or data.

World Trade safety information

Several countries require the safety information contained in product publications to be presented in their national languages. If this requirement applies to your country, safety information documentation is included in the publications package (such as in printed documentation, on DVD, or as part of the product) shipped with the product. The documentation contains the safety information in your national language with references to the U.S. English source. Before using a U.S. English publication to install, operate, or service this product, you must first become familiar with the related safety information documentation. You should also refer to the safety information documentation any time you do not clearly understand any safety information in the U.S. English publications.

Replacement or additional copies of safety information documentation can be obtained by calling the IBM Hotline at 1-800-300-8751.

German safety information

Das Produkt ist nicht für den Einsatz an Bildschirmarbeitsplätzen im Sinne § 2 der Bildschirmarbeitsverordnung geeignet.

Laser safety information

IBM® servers can use I/O cards or features that are fiber-optic based and that utilize lasers or LEDs.

Laser compliance

IBM servers may be installed inside or outside of an IT equipment rack.

DANGER

When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous. To avoid a shock hazard:

- **Connect power to this unit only with the IBM provided power cord. Do not use the IBM provided power cord for any other product.**
- **Do not open or service any power supply assembly.**
- **Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.**
- **The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords.**
- **Connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate.**
- **Connect any equipment that will be attached to this product to properly wired outlets.**
- **When possible, use one hand only to connect or disconnect signal cables.**
- **Never turn on any equipment when there is evidence of fire, water, or structural damage.**
- **Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.**
- **Connect and disconnect cables as described in the following procedures when installing, moving, or opening covers on this product or attached devices.**

  To Disconnect:

  1. **Turn off everything (unless instructed otherwise).**
  2. **Remove the power cords from the outlets.**
  3. **Remove the signal cables from the connectors.**
  4. **Remove all cables from the devices.**

  To Connect:

  1. **Turn off everything (unless instructed otherwise).**
  2. **Attach all cables to the devices.**
  3. **Attach the signal cables to the connectors.**
  4. **Attach the power cords to the outlets.**
  5. **Turn on the devices.**

  (D005)

DANGER

Observe the following precautions when working on or around your IT rack system:

- **Heavy equipment–personal injury or equipment damage might result if mishandled.**
- **Always lower the leveling pads on the rack cabinet.**
- **Always install stabilizer brackets on the rack cabinet.**
- **To avoid hazardous conditions due to uneven mechanical loading, always install the heaviest devices in the bottom of the rack cabinet. Always install servers and optional devices starting from the bottom of the rack cabinet.**
- **Rack-mounted devices are not to be used as shelves or work spaces. Do not place objects on top of rack-mounted devices.**

- **Each rack cabinet might have more than one power cord. Be sure to disconnect all power cords in the rack cabinet when directed to disconnect power during servicing.**
- **Connect all devices installed in a rack cabinet to power devices installed in the same rack cabinet. Do not plug a power cord from a device installed in one rack cabinet into a power device installed in a different rack cabinet.**
- **An electrical outlet that is not correctly wired could place hazardous voltage on the metal parts of the system or the devices that attach to the system. It is the responsibility of the customer to ensure that the outlet is correctly wired and grounded to prevent an electrical shock.**

CAUTION

- **Do not install a unit in a rack where the internal rack ambient temperatures will exceed the manufacturer's recommended ambient temperature for all your rack-mounted devices.**
- **Do not install a unit in a rack where the air flow is compromised. Ensure that air flow is not blocked or reduced on any side, front, or back of a unit used for air flow through the unit.**
- **Consideration should be given to the connection of the equipment to the supply circuit so that overloading of the circuits does not compromise the supply wiring or overcurrent protection. To provide the correct power connection to a rack, refer to the rating labels located on the equipment in the rack to determine the total power requirement of the supply circuit.**
- *(For sliding drawers.)* **Do not pull out or install any drawer or feature if the rack stabilizer brackets are not attached to the rack. Do not pull out more than one drawer at a time. The rack might become unstable if you pull out more than one drawer at a time.**
- *(For fixed drawers.)* **This drawer is a fixed drawer and must not be moved for servicing unless specified by the manufacturer. Attempting to move the drawer partially or completely out of the rack might cause the rack to become unstable or cause the drawer to fall out of the rack.**

(R001)

CAUTION:
Removing components from the upper positions in the rack cabinet improves rack stability during relocation. Follow these general guidelines whenever you relocate a populated rack cabinet within a room or building:

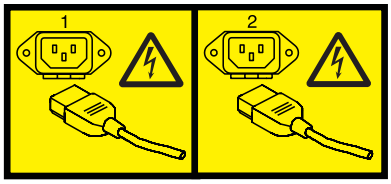
- **Reduce the weight of the rack cabinet by removing equipment starting at the top of the rack cabinet. When possible, restore the rack cabinet to the configuration of the rack cabinet as you received it. If this configuration is not known, you must observe the following precautions:**
  - **Remove all devices in the 32U position and above.**
  - **Ensure that the heaviest devices are installed in the bottom of the rack cabinet.**
  - **Ensure that there are no empty U-levels between devices installed in the rack cabinet below the 32U level.**
- **If the rack cabinet you are relocating is part of a suite of rack cabinets, detach the rack cabinet from the suite.**
- **Inspect the route that you plan to take to eliminate potential hazards.**
- **Verify that the route that you choose can support the weight of the loaded rack cabinet. Refer to the documentation that comes with your rack cabinet for the weight of a loaded rack cabinet.**
- **Verify that all door openings are at least 760 x 230 mm (30 x 80 in.).**
- **Ensure that all devices, shelves, drawers, doors, and cables are secure.**
- **Ensure that the four leveling pads are raised to their highest position.**
- **Ensure that there is no stabilizer bracket installed on the rack cabinet during movement.**
- **Do not use a ramp inclined at more than 10 degrees.**
- **When the rack cabinet is in the new location, complete the following steps:**
  - **Lower the four leveling pads.**
  - **Install stabilizer brackets on the rack cabinet.**
  - **If you removed any devices from the rack cabinet, repopulate the rack cabinet from the lowest position to the highest position.**
- **If a long-distance relocation is required, restore the rack cabinet to the configuration of the rack cabinet as you received it. Pack the rack cabinet in the original packaging material, or equivalent. Also lower the leveling pads to raise the casters off of the pallet and bolt the rack cabinet to the pallet.**

(R002)

(L001)

(L002)

(L003)



or

All lasers are certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for class 1 laser products. Outside the U.S., they are certified to be in compliance with IEC 60825 as a class 1 laser product. Consult the label on each part for laser certification numbers and approval information.

CAUTION:
This product might contain one or more of the following devices: CD-ROM drive, DVD-ROM drive, DVD-RAM drive, or laser module, which are Class 1 laser products. Note the following information:

- **Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.**
- **Use of the controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.**

(C026)

CAUTION:
Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

CAUTION:
This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)

CAUTION:
Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following information: laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam. (C030)

CAUTION:
The battery contains lithium. To avoid possible explosion, do not burn or charge the battery.

Do Not:
- **___ Throw or immerse into water**
- **___ Heat to more than 100°C (212°F)**
- **___ Repair or disassemble**

Exchange only with the IBM-approved part. Recycle or discard the battery as instructed by local regulations. In the United States, IBM has a process for the collection of this battery. For information, call 1-800-426-4333. Have the IBM part number for the battery unit available when you call. (C003)

Power and cabling information for NEBS (Network Equipment-Building System) GR-1089-CORE

The following comments apply to the IBM servers that have been designated as conforming to NEBS (Network Equipment-Building System) GR-1089-CORE:

The equipment is suitable for installation in the following:
- Network telecommunications facilities
- Locations where the NEC (National Electrical Code) applies

The intrabuilding ports of this equipment are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of this equipment *must not* be metallically connected to the interfaces that connect to the OSP (outside plant) or its wiring. These interfaces are designed for use as intrabuilding interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE) and require isolation from the exposed OSP cabling. The addition of primary protectors is not sufficient protection to connect these interfaces metallically to OSP wiring.

Note: All Ethernet cables must be shielded and grounded at both ends.

The ac-powered system does not require the use of an external surge protection device (SPD).

The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

Progress codes overview

Progress codes (or checkpoints) offer information about the stages involved in powering on and performing initial program load (IPL). Progress codes do not always indicate an error. Use progress code information if your server has paused indefinitely without displaying a system reference code. The information provided indicates the most appropriate action for that progress code.

Use this information for reference only. To perform any service action, use the management console.

AIX IPL progress codes

This section provides descriptions for the numbers and characters that display on the operator panel and descriptions of the location codes used to identify a particular item.

Note: The AIX® IPL progress codes occur only when running the AIX operating system or booting standalone diagnostics. The codes do not occur on servers running the Linux operating system or on Linux partitions.

Operator panel display numbers

This section contains a list of the various numbers and characters that display in the operator panel display. There are three categories of numbers and characters.

- The first group tracks the progress of the configuration program.
- The second group tracks the progress of the diagnostics.
- The third group provides information about messages that follow an 888 sequence.

AIX configuration program indicators

The numbers in this list display on the operator panel as the system loads the AIX operating system and prepares the hardware by loading software drivers.

Note: Some systems may produce 4-digit codes. If the leftmost digit of a 4-digit code is 0, use the three rightmost digits.

02E6

Explanation: The PCI Differential Ultra SCSI adapter or the Universal PCI Differential Ultra SCSI adapter being configured.

02E7

Explanation: Configuration method unable to determine if the SCSI adapter type is SE or DE type.

0440

Explanation: 9.1GB Ultra SCSI Disk Drive being identified or configured.

0441

Explanation: 18.2 GB Ultra SCSI Disk Drive being identified or configured.

0444

Explanation: 2-Port Multiprotocol PCI Adapter (ASIC) being identified or configured.

0447

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

0458

Explanation: 36 GB DAT72 Tape Drive

0459

Explanation: 36 GB DAT72 Tape Drive

045D

Explanation: 200 GB HH LTO2 Tape drive

0500

Explanation: Querying Standard I/O slot.

0501

Explanation: Querying card in Slot 1.

0502

Explanation: Querying card in Slot 2.

0503

Explanation: Querying card in Slot 3.

0504

Explanation: Querying card in Slot 4.

0505

Explanation: Querying card in Slot 5.

0506

Explanation: Querying card in Slot 6.

0507

Explanation: Querying card in Slot 7.

0508

Explanation: Querying card in Slot 8.

0510

Explanation: Starting device configuration.

0511

Explanation: Device configuration completed.

0512

Explanation: Restoring device configuration files from media.

0513

Explanation: Restoring basic operating system installation files from media.

0516

Explanation: Contacting server during network boot.

0517

Explanation: Mounting client remote file system during network IPL.

0518

Explanation: Remote mount of the **root (/)** and **/usr** file systems failed during network boot.

0520

Explanation: Bus configuration running.

0521

Explanation: **/etc/init** invoked **cfgmgr** with invalid options; **/etc/init** has been corrupted or incorrectly modified (irrecoverable error).

0522

Explanation: The configuration manager has been invoked with conflicting options (irrecoverable error).

0523

Explanation: The configuration manager is unable to access the ODM database (irrecoverable error).

0524

Explanation: The configuration manager is unable to access the **config.rules** object in the ODM database (irrecoverable error).

0525

Explanation: The configuration manager is unable to get data from a customized device object in the ODM database (irrecoverable error).

0526

Explanation: The configuration manager is unable to get data from a customized device driver object in the ODM database (irrecoverable error).

0527

Explanation: The configuration manager was invoked with the phase 1 flag; running phase 1 at this point is not permitted (irrecoverable error).

0528

Explanation: The configuration manager cannot find sequence rule, or no program name was specified in the ODM database (irrecoverable error).

0529

Explanation: The configuration manager is unable to update ODM data (irrecoverable error).

0530

Explanation: The **savebase** program returned an error.

0531

Explanation: The configuration manager is unable to access the PdAt object class (irrecoverable error).

0532

Explanation: There is not enough memory to continue (malloc failure); irrecoverable error.

0533

Explanation: The configuration manager could not find a configuration method for a device.

0534

Explanation: The configuration manager could not find a configuration method for a device.

0535

Explanation: HIPPI diagnostics interface driver being configured.

0536

Explanation: The configuration manager encountered more than one sequence rule specified in the same phase (irrecoverable error).

0537

Explanation: The configuration manager encountered an error when invoking the program in the sequence rule.

0538

Explanation: The configuration manager is going to invoke a configuration method.

0539

Explanation: The configuration method has terminated, and control has returned to the configuration manager.

0541

Explanation: A DLT tape device is being configured.

0542

Explanation: 7208-345 60 GB tape drive, 7334-410 60 GB tape drive

0549

Explanation: Console could not be configured for the Copy a System Dump Menu.

0551

Explanation: IPL vary-on is running.

0552

Explanation: IPL vary-on failed.

0553

Explanation: IPL phase 1 is complete.

0554

Explanation: The boot device could not be opened or read, or unable to define NFS swap device during network boot.

0555

Explanation: An ODM error occurred when trying to vary-on the rootvg, or unable to create an NFS swap device during network boot.

0556

Explanation: Logical Volume Manager encountered error during IPL vary-on.

0557

Explanation: The root file system does not mount.

0558

Explanation: There is not enough memory to continue the system IPL.

0559

Explanation: Less than 2 MB of good memory are available to load the AIX kernel.

0569

Explanation: FCS SCSI protocol device is being configured (32 bits).

0570

Explanation: Virtual SCSI devices being configured.

0571

Explanation: HIPPI common function device driver being configured.

0572

Explanation: HIPPI IPI-3 master transport driver being configured.

0573

Explanation: HIPPI IPI-3 slave transport driver being configured.

0574

Explanation: HIPPI IPI-3 transport services user interface device driver being configured.

0575

Explanation: A 9570 disk-array driver being configured.

0576

Explanation: Generic async device driver being configured.

0577

Explanation: Generic SCSI device driver being configured.

0578

Explanation: Generic commo device driver being configured.

0579

Explanation: Device driver being configured for a generic device.

0580

Explanation: HIPPI TCP/IP network interface driver being configured.

0581

Explanation: Configuring TCP/IP.

0582

Explanation: Configuring Token-Ring data link control.

0583

Explanation: Configuring an Ethernet data link control.

0584

Explanation: Configuring an IEEE Ethernet data link control.

0585

Explanation: Configuring an SDLC MPQP data link control.

0586

Explanation: Configuring a QLLC X.25 data link control.

0587

Explanation: Configuring a NETBIOS.

0588

Explanation: Configuring a Bisync Read-Write (BSCRW).

0589

Explanation: SCSI target mode device being configured.

0590

Explanation: Diskless remote paging device being configured.

0591

Explanation: Configuring an LVM device driver.

0592

Explanation: Configuring an HFT device driver.

0593

Explanation: Configuring SNA device drivers.

0594

Explanation: Asynchronous I/O being defined or configured.

0595

Explanation: X.31 pseudo-device being configured.

0596

Explanation: SNA DLC/LAPE pseudo-device being configured.

0597

Explanation: OCS software being configured.

0598

Explanation: OCS hosts being configured during system reboot.

0599

Explanation: Configuring FDDI data link control.

059B

Explanation: FCS SCSI protocol device being configured (64 bits).

05C0

Explanation: Streams-based hardware drive being configured.

05C1

Explanation: Streams-based X.25 protocol being configured.

05C2

Explanation: Streams-based X.25 COMIO emulator driver being configured.

05C3

Explanation: Streams-based X.25 TCP/IP interface driver being configured.

05C4

Explanation: FCS adapter device driver being configured.

05C5

Explanation: SCB network device driver for FCS being configured.

05C6

Explanation: AIX SNA channel being configured.

0600

Explanation: Starting network boot portion of **/sbin/rc.boot** .

0602

Explanation: Configuring network parent devices.

0603

Explanation: **/usr/lib/methods/defsys** , **/usr/lib/methods/cfgsys** , or **/usr/lib/methods/cfgbus** failed.

0604

Explanation: Configuring physical network boot device.

0605

Explanation: Configuration of physical network boot device failed.

0606

Explanation: Running **/usr/sbin/ifconfig** on logical network boot device.

0607

Explanation: **/usr/sbin/ifconfig** failed.

0608

Explanation: Attempting to retrieve the client.info file with tftp. **Note:** Note that a flashing 608 indicates multiple attempt(s) to retrieve the client_info file are occurring.

0609

Explanation: The **client.info** file does not exist or it is zero length.

060B

Explanation: 18.2 GB 68-pin LVD SCSI Disk Drive being configured.

0610

Explanation: Attempting remote mount of NFS file system.

0611

Explanation: Remote mount of the NFS file system failed.

0612

Explanation: Accessing remote files; unconfiguring network boot device.

0613

Explanation: 8 mm 80 GB VXA-2 tape device

0614

Explanation: Configuring local paging devices.

0615

Explanation: Configuration of a local paging device failed.

0616

Explanation: Converting from diskless to dataless configuration.

0617

Explanation: Diskless to dataless configuration failed.

0618

Explanation: Configuring remote (NFS) paging devices.

0619

Explanation: Configuration of a remote (NFS) paging device failed.

061B

Explanation: 36.4 GB 80-pin LVD SCSI Disk Drive being configured.

061D

Explanation: 36.4 GB 80-pin LVD SCSI Disk Drive being configured.

061E

Explanation: 18.2 GB 68-pin LVD SCSI Disk Drive being configured.

0620

Explanation: Updating special device files and ODM in permanent file system with data from boot RAM file system.

0621

Explanation: 9.1 GB LVD 80-pin SCSI Drive being configured.

0622

Explanation: Boot process configuring for operating system installation.

062D

Explanation: 9.1 GB 68-pin LVD SCSI Disk Drive being configured.

062E

Explanation: 9.1GB 68-pin LVD SCSI Disk Drive being configured.

0636

Explanation: TURBOWAYS ™ 622 Mbps PCI MMF ATM Adapter.

0637

Explanation: Dual Channel PCI-2 Ultra2 SCSI Adapter being configured.

0638

Explanation: 4.5 GB Ultra SCSI Single Ended Disk Drive being configured.

0639

Explanation: 9.1 GB 10K RPM Ultra SCSI Disk Drive (68-pin).

063A

Explanation: See 62D.

063B

Explanation: 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

063C

Explanation: See 60B.

063D

Explanation: 18.2 GB 80-pin LVD SCSI Disk Drive being configured.

063E

Explanation: 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

063F

Explanation: See 61B.

0640

Explanation: 9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).

0643

Explanation: 18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.

0646

Explanation: High-Speed Token-Ring PCI Adapter being configured.

064A

Explanation: See 62E.

064B

Explanation: 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

064C

Explanation: See 61E.

064D

Explanation: 18.2 GB LVD 80-pin Drive/Carrier being configured.

064E

Explanation: 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

064F

Explanation: See 61D.

0650

Explanation: SCSD disk drive being configured.

0653

Explanation: 18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.

0655

Explanation: GXT130P Graphics adapter being configured.

0657

Explanation: GXT2000P graphics adapter being configured.

0658

Explanation: 2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.

0663

Explanation: The ARTIC960RxD Digital Trunk Quad PCI Adapter or the ARTIC960RxF Digital Trunk Resource Adapter being configured.

0664

Explanation: 32x (MAX) SCSI-2 CD-ROM drive being configured.

0667

Explanation: PCI 3-Channel Ultra2 SCSI RAID Adapter being configured.

0669

Explanation: PCI Gigabit Ethernet Adapter being configured.

066A

Explanation: PCI Gigabit Ethernet Adapter being configured.

066C

Explanation: 10/100/1000 Base-T Ethernet PCI Adapter.

066D

Explanation: PCI 4-Channel Ultra-3 SCSI RAID Adapter.

066E

Explanation: 4.7 GB DVD-RAM drive.

0674

Explanation: ESCON ™ Channel PCI Adapter being configured.

0678

Explanation: 12 GB 4 mm SCSI tape drive

067B

Explanation: PCI Cryptographic Coprocessor being configured.

0682

Explanation: 20x0 (MAX) SCSI-2 CD-ROM Drive being configured.

0689

Explanation: 4.5 GB Ultra SCSI Single Ended Disk Drive being configured.

068C

Explanation: 20 GB 4-mm Tape Drive being configured.

068E

Explanation: POWER GXT6000P PCI Graphics Adapter.

0690

Explanation: 9.1 GB Ultra SCSI Single Ended Disk Drive being configured.

069B

Explanation: 64-bit/66 MHz PCI ATM 155 MMF PCI adapter being configured.

069D

Explanation: 64-bit/66 MHz PCI ATM 155 UTP PCI adapter being configured.

06CC

Explanation: SSA disk drive being configured.

0700

Explanation: A 1.1 GB 8-bit SCSI disk drive being identified or configured.

0701

Explanation: A 1.1 GB 16-bit SCSI disk drive being identified or configured.

0702

Explanation: A 1.1 GB 16-bit differential SCSI disk drive being identified or configured.

0703

Explanation: A 2.2 GB 8-bit SCSI disk drive being identified or configured.

0704

Explanation: A 2.2 GB 16-bit SCSI disk drive being identified or configured.

0705

Explanation: The configuration method for the 2.2 GB 16-bit differential SCSI disk drive is being run. If an irrecoverable error occurs, the system halts.

0706

Explanation: A 4.5 GB 16-bit SCSI disk drive being identified or configured.

0707

Explanation: A 4.5 GB 16-bit differential SCSI disk drive being identified or configured.

0708

Explanation: An L2 cache being identified or configured.

0709

Explanation: 128 port ISA adapter being configured

0710

Explanation: POWER GXT150M graphics adapter being identified or configured.

0711

Explanation: Unknown adapter being identified or configured.

0712

Explanation: Graphics slot bus configuration is executing.

0713

Explanation: The IBM ARTIC960 device being configured.

0714

Explanation: A video capture adapter being configured.

0717

Explanation: TP Ethernet Adapter being configured.

0718

Explanation: GXT500 Graphics Adapter being configured.

0720

Explanation: Unknown read/write optical drive type being configured.

0721

Explanation: Unknown disk or SCSI device being identified or configured.

0722

Explanation: Unknown disk drive being identified or configured.

0723

Explanation: Unknown CD-ROM drive being identified or configured.

0724

Explanation: Unknown tape drive being identified or configured.

0725

Explanation: Unknown display adapter being identified or configured.

0726

Explanation: Unknown input device being identified or configured.

0727

Explanation: Unknown async device being identified or configured.

0728

Explanation: Parallel printer being identified or configured.

0729

Explanation: Unknown parallel device being identified or configured.

0730

Explanation: Unknown diskette drive being identified or configured.

0731

Explanation: PTY being identified or configured.

0732

Explanation: Unknown SCSI initiator type being configured.

0733

Explanation: 7 GB 8-mm tape drive being configured.

0734

Explanation: 4x SCSI-2 640 MB CD-ROM Drive being configured.

0736

Explanation: Quiet Touch keyboard and speaker cable being configured.

0741

Explanation: 1080 MB SCSI Disk Drive being configured.

0745

Explanation: 16 GB 4-mm Tape Auto Loader being configured.

0746

Explanation: SCSI-2 Fast/Wide PCI Adapter being configured.

0747

Explanation: SCSI-2 Differential Fast/Wide PCI Adapter being configured.

0749

Explanation: 7331 Model 205 Tape Library being configured.

0751

Explanation: SCSI 32-bit SE F/W RAID Adapter being configured.

0754

Explanation: 1.1 GB 16-bit SCSI disk drive being configured.

0755

Explanation: 2.2 GB 16-bit SCSI disk drive being configured.

0756

Explanation: 4.5 GB 16-bit SCSI disk drive being configured.

0757

Explanation: External 13 GB 1/4-inch tape being configured.

0763

Explanation: SP Switch MX Adapter being configured.

0764

Explanation: SP System Attachment Adapter being configured.

0772

Explanation: 4.5 GB SCSI F/W Disk Drive being configured.

0773

Explanation: 9.1 GB SCSI F/W Disk Drive being configured.

0774

Explanation: 9.1 GB External SCSI Disk Drive being configured.

0776

Explanation: PCI Token-Ring Adapter being identified or configured.

0777

Explanation: 10/100 Ethernet Tx PCI Adapter being identified or configured.

0778

Explanation: POWER GXT3000P 3D PCI Graphics adapter being configured.

077B

Explanation: 4-Port 10/100 Ethernet Tx PCI Adapter being identified or configured.

077C

Explanation: A 1.0 GB 16-bit SCSI disk drive being identified or configured.

0783

Explanation: 4-mm DDS-2 Tape Autoloader being configured.

0789

Explanation: 2.6 GB External Optical Drive being configured.

078B

Explanation: POWER GXT4000P PCI Graphics Adapter.

078D

Explanation: GXT300P 2D Graphics adapter being configured.

0790

Explanation: Multi-bus Integrated Ethernet Adapter being identified or configured.

0797

Explanation: TURBOWAYS 155 UTP/STP ATM Adapter being identified or configured.

0798

Explanation: Video streamer adapter being identified or configured.

0799

Explanation: 2-Port Multiprotocol PCI adapter being identified or configured.

079C

Explanation: ISA bus configuration executing.

07C0

Explanation: CPU/System Interface being configured.

07C1

Explanation: Business Audio Subsystem being identified or configured.

07CC

Explanation: PCMCIA bus configuration executing.

0800

Explanation: TURBOWAYS 155 MMF ATM Adapter being identified or configured.

0803

Explanation: 7336 Tape Library robotics being configured.

0804

Explanation: 8x Speed SCSI-2 CD-ROM Drive being configured.

0806

Explanation: POWER GXT800 PCI Graphics adapter being configured.

0807

Explanation: SCSI Device Enclosure being configured.

080C

Explanation: SSA 4-Port Adapter being identified or configured.

0811

Explanation: Processor complex being identified or configured.

0812

Explanation: Memory being identified or configured.

0813

Explanation: Battery for time-of-day, NVRAM, and so on being identified or configured, or system I/O control logic being identified or configured.

0814

Explanation: NVRAM being identified or configured.

0815

Explanation: Floating-point processor test.

0816

Explanation: Operator panel logic being identified or configured.

0817

Explanation: Time-of-day logic being identified or configured.

0819

Explanation: Graphics input device adapter being identified or configured.

0821

Explanation: Standard keyboard adapter being identified or configured.

0823

Explanation: Standard mouse adapter being identified or configured.

0824

Explanation: Standard tablet adapter being identified or configured.

0825

Explanation: Standard speaker adapter being identified or configured.

0826

Explanation: Serial Port 1 adapter being identified or configured.

0827

Explanation: Parallel port adapter being identified or configured.

0828

Explanation: Standard diskette adapter being identified or configured.

0831

Explanation: 3151 adapter being identified or configured, or Serial Port 2 being identified or configured.

0834

Explanation: 64-port async controller being identified or configured.

0835

Explanation: 16-port async concentrator being identified or configured.

0836

Explanation: 128-port async controller being identified or configured.

0837

Explanation: A 128-port remote asyncronous node (RAN) is being identified or configured.

0838

Explanation: Network Terminal Accelerator Adapter being identified or configured.

0839

Explanation: 7318 Serial Communications Server being configured.

0840

Explanation: PCI Single-Ended Ultra SCSI Adapter being configured.

0841

Explanation: 8-port async adapter (EIA-232) being identified or configured.

0842

Explanation: 8-port async adapter (EIA-422A) being identified or configured.

0843

Explanation: 8-port async adapter (MIL-STD-188) being identified or configured.

0844

Explanation: 7135 RAIDiant Array disk drive subsystem controller being identified or configured.

0845

Explanation: 7135 RAIDiant Array disk drive subsystem drawer being identified or configured.

0846

Explanation: RAIDiant Array SCSI 1.3 GB Disk Drive being configured.

0847

Explanation: 16-port serial adapter (EIA-232) being identified or configured.

0848

Explanation: 16-port serial adapter (EIA-422) being identified or configured.

0849

Explanation: X.25 Interface Coprocessor/2 adapter being identified or configured.

0850

Explanation: Token-Ring network adapter being identified or configured.

0851

Explanation: T1/J1 Portmaster adapter being identified or configured.

0852

Explanation: Ethernet adapter being identified or configured.

0854

Explanation: 3270 Host Connection Program/6000 connection being identified or configured.

0855

Explanation: Portmaster Adapter/A being identified or configured.

0857

Explanation: FSLA adapter being identified or configured.

0858

Explanation: 5085/5086/5088 adapter being identified or configured.

0859

Explanation: FDDI adapter being identified or configured.

085C

Explanation: Token-Ring High-Performance LAN adapter being identified or configured.

0861

Explanation: Optical adapter being identified or configured.

0862

Explanation: Block Multiplexer Channel Adapter being identified or configured.

0865

Explanation: ESCON Channel Adapter or emulator being identified or configured.

0866

Explanation: SCSI adapter being identified or configured.

0867

Explanation: Async expansion adapter being identified or configured.

0868

Explanation: SCSI adapter being identified or configured.

0869

Explanation: SCSI adapter being identified or configured.

0870

Explanation: Serial disk drive adapter being identified or configured.

0871

Explanation: Graphics subsystem adapter being identified or configured.

0872

Explanation: Grayscale graphics adapter being identified or configured.

0874

Explanation: Color graphics adapter being identified or configured.

0875

Explanation: Vendor generic communication adapter being configured.

0876

Explanation: 8-bit color graphics processor being identified or configured.

0877

Explanation: POWER Gt3/POWER Gt4 being identified or configured.

0878

Explanation: POWER Gt4 graphics processor card being configured.

0879

Explanation: A 24-bit color MEV2 type graphics card is being configured.

0880

Explanation: POWER Gt1 adapter being identified or configured.

0887

Explanation: POWER Gt1 adapter being identified or configured.

0889

Explanation: SCSI adapter being identified or configured.

0890

Explanation: SCSI-2 Differential Fast/Wide and Single-Ended Fast/Wide Adapter/A being configured.

0891

Explanation: Vendor SCSI adapter being identified or configured.

0892

Explanation: Vendor display adapter being identified or configured.

0893

Explanation: Vendor LAN adapter being identified or configured.

0894

Explanation: Vendor async/communications adapter being identified or configured.

0895

Explanation: Vendor IEEE 488 adapter being identified or configured.

0896

Explanation: Vendor VME bus adapter being identified or configured.

0897

Explanation: S/370 Channel Emulator adapter being identified or configured.

0898

Explanation: POWER Gt1x graphics adapter being identified or configured.

0899

Explanation: 3490 attached tape drive being identified or configured.

089C

Explanation: A multimedia SCSI CD-ROM being identified or configured.

0900

Explanation: GXT110P Graphics Adapter being identified or configured.

0901

Explanation: Vendor SCSI device being identified or configured.

0902

Explanation: Vendor display device being identified or configured.

0903

Explanation: Vendor async device being identified or configured.

0904

Explanation: Vendor parallel device being identified or configured.

0905

Explanation: A vendor (non-IBM) adapter is being identified or configured.

0908

Explanation: POWER GXT1000 ™ Graphics subsystem being identified or configured.

0910

Explanation: 1/4 GB Fiber Channel/266 Standard Adapter being identified or configured.

0911

Explanation: Fiber Channel/1063 Adapter Short Wave being configured.

0912

Explanation: 2.0 GB SCSI-2 differential disk drive being identified or configured.

0913

Explanation: 1.0 GB differential disk drive being identified or configured.

0914

Explanation: 5 GB 8-mm differential tape drive being identified or configured.

0915

Explanation: 4 GB 4-mm tape drive being identified or configured.

0916

Explanation: A generic (non-IBM) Non-SCSI tape drive adapter is being identified or configured.

0917

Explanation: A 2.0 GB 16-bit differential SCSI disk drive being identified or configured.

0918

Explanation: A 2.0 GB 16-bit single-ended SCSI disk drive being identified or configured.

0920

Explanation: Bridge Box being identified or configured.

0921

Explanation: 101 keyboard being identified or configured.

0922

Explanation: 102 keyboard being identified or configured.

0923

Explanation: Kanji keyboard being identified or configured.

0924

Explanation: Two-button mouse being identified or configured.

0925

Explanation: Three-button mouse being identified or configured.

0926

Explanation: 5083 tablet being identified or configured.

0927

Explanation: 5083 tablet being identified or configured.

0928

Explanation: Standard speaker being identified or configured.

0929

Explanation: Dials being identified or configured.

0930

Explanation: Lighted program function keys (LPFK) being identified or configured.

0931

Explanation: IP router being identified or configured.

0933

Explanation: Async planar being identified or configured.

0934

Explanation: Async expansion drawer being identified or configured.

0935

Explanation: 3.5-inch diskette drive being identified or configured.

0936

Explanation: 5.25-inch diskette drive being identified or configured.

0937

Explanation: An HIPPI adapter being configured.

0938

Explanation: Serial HIPPI PCI adapter being configured.

0942

Explanation: Serial HIPPI PCI adapter being configured.

0943

Explanation: A 3480 or 3490 control unit attached to a System/370 Channel Emulator/A adapter are being identified or configured.

0944

Explanation: 100 MB ATM adapter being identified or configured.

0945

Explanation: 1.0 GB SCSI differential disk drive being identified or configured.

0946

Explanation: A generic (non-IBM) Serial Port 3 adapter is being identified or configured.

0947

Explanation: A 730 MB SCSI disk drive being configured.

0948

Explanation: Portable disk drive being identified or configured.

0949

Explanation: Unknown direct bus-attach device being identified or configured.

0950

Explanation: Missing SCSI device being identified or configured.

0951

Explanation: 670 MB SCSI disk drive being identified or configured.

0952

Explanation: 355 MB SCSI disk drive being identified or configured.

0953

Explanation: 320 MB SCSI disk drive being identified or configured.

0954

Explanation: 400 MB SCSI disk drive being identified or configured.

0955

Explanation: 857 MB SCSI disk drive being identified or configured.

0956

Explanation: 670 MB SCSI disk drive electronics card being identified or configured.

0957

Explanation: 120 MB DBA disk drive being identified or configured.

0958

Explanation: 160 MB Database A dministrator (DBA) disk drive being identified or configured.

0959

Explanation: 160 MB SCSI disk drive being identified or configured.

0960

Explanation: 1.37 GB SCSI disk drive being identified or configured.

0964

Explanation: Internal 20 GB 8-mm tape drive identified or configured.

0968

Explanation: 1.0 GB SCSI disk drive being identified or configured.

0970

Explanation: Half-inch, 9-track tape drive being identified or configured.

0971

Explanation: 150 MB 1/4-inch tape drive being identified or configured.

0972

Explanation: 2.3 GB 8-mm SCSI tape drive being identified or configured.

0973

Explanation: Other SCSI tape drive being identified or configured.

0974

Explanation: CD-ROM drive being identified or configured.

0975

Explanation: An optical disk drive being identified or configured.

0977

Explanation: M-Audio Capture and Playback Adapter being identified or configured.

0981

Explanation: 540 MB SCSI-2 single-ended disk drive being identified or configured.

0984

Explanation: 1 GB 8-bit disk drive being identified or configured.

0985

Explanation: M-Video Capture Adapter being identified or configured.

0986

Explanation: 2.4 GB SCSI disk drive being identified or configured.

0987

Explanation: An Enhanced SCSI CD-ROM drive being identified or configured.

0989

Explanation: 200 MB SCSI disk drive being identified or configured.

0990

Explanation: 2.0 GB SCSI-2 single-ended disk drive being identified or configured.

0991

Explanation: 525 MB 1/4-inch cartridge tape drive being identified or configured.

0994

Explanation: 5 GB 8-mm tape drive being identified or configured.

0995

Explanation: 1.2GB 1/4-inch cartridge tape drive being identified or configured.

0996

Explanation: A single-port, multiprotocol communications adapter being identified or configured.

0997

Explanation: FDDI adapter being identified or configured.

0998

Explanation: 2.0 GB 4-mm tape drive being identified or configured.

0999

Explanation: 7137 or 3514 Disk Array Subsystem being configured.

0D46

Explanation: Token-Ring cable.

0D81

Explanation: T2 Ethernet Adapter being configured.

2000

Explanation: Dynamic LPAR CPU Addition

2001

Explanation: Dynamic LPAR CPU Removal

2002

Explanation: Dynamic LPAR Memory Addition

2003

Explanation: Dynamic LPAR Memory Removal

2004

Explanation: DLPAR Maximum Memory size too large

2005

Explanation: Partition migration operation in progress

2006

Explanation: Partition hibernation phase in progress

2007

Explanation: Dynamic LPAR Encryption Accelerator operation in progress

2010

Explanation: HTX miscompare

2011

Explanation: Configuring device model 2107 fcp

2012

Explanation: Configuring device model 2107 iscsi

2013

Explanation: Configuring MR-1750 (device model 1750) fcp

2014

Explanation: Configuring MR-1750 (device model 1750) iscsi

2015

Explanation: Configuring SVC (device model 2145) fcp

2016

Explanation: Configuring SVCCISCO (device model 2062) fcp

2017

Explanation: Configuring SVCCISCO (device model 2062) iscsi

2018

Explanation: Configuring Virtual Management Channel driver

2019

Explanation: Configuring vty server

201B

Explanation: Configuring a virtual SCSI optical device

201D

Explanation: Configuring USB Serial Device

2020

Explanation: Configuring InfiniBand ™ ICM kernel component

2021

Explanation: Configuring TCP InfiniB and Interface kernel component

2022

Explanation: Configuring PCI Express bus

2023

Explanation: Configuring InfiniBand adapter configured as PCI Memory Controller

2024

Explanation: Configuring InfiniBand adapter PCI Memory Controller w/ alt PCI Device ID

2025

Explanation: Configuring VASI (Virtual Asynchronous Services Interface) Adapter

2026

Explanation: Configuring nfso option in rc.boot

2027

Explanation: Configuring MPIO DS4K Device

2028

Explanation: Boot process searching for cluster repository disk

2030

Explanation: Configuring USB Audio Device

2040

Explanation: Configuring device model DS3/4K fcp

2041

Explanation: Configuring device model DS3/4K isci

2042

Explanation: Configuring device model DS3/4K sas

2064

Explanation: Attempt to configure 64-bit enviroment failed

2501

Explanation: Configuring Common Character Mode (CCM) enabled graphic adapter

2502

Explanation: Configuring PCI-X 266 Planar 3 GB SAS integrated adapter

2503

Explanation: Configuring PCI-X 266 Planar 3 GB SAS RAID integrated adapter

2504

Explanation: Configuring a PCIe x1 Auxiliary Cache a dapter

2505

Explanation: Configuring a PCI-X266 Planar 3Gb SAS RAID Adapter

2506

Explanation: Configuring JS12/JS23 PCI-X266 Planar 3Gb SAS Adapter

2507

Explanation: Configuring JS22 PCI-X266 Planar 3Gb SAS Adapter

2508

Explanation: Configuring PCIe FPGA Accelerator Adapter

2512

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2513

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2514

Explanation: Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter

2515

Explanation: Configuring a PCI-X DDR JBOD SAS adapter

2516

Explanation: Configuring a PCI-X Express DDR JBOD SAS adapter

2517

Explanation: Configuring PCI-XDDR RAID SAS adapter

2518

Explanation: Configuring PCIe RAID SAS adapter

2519

Explanation: Configuring PCI-X DDR RAID Adapter

251B

Explanation: Configuring PCI-Express High End RAID Adapter

251D

Explanation: Configuring PCI-X DDR Auxiliary Cache Controller

251E

Explanation: Configuring PCI-Express Auxiliary Write Cache Controller

2520

Explanation: PCI Dual-Channel Ultra-3 SCSI adapter being identified or configured.

2521

Explanation: Configuring Integrated Dual Channel Ultra 3 SCSI

2522

Explanation: PCI-X Dual Channel Ultra320 SCSI Adapter

2523

Explanation: PCI-X Ultra320 SCSI RAID Adapter

2524

Explanation: Configuring Integrated DART (Cog)

2525

Explanation: Configuring integrated PCI-X dual channel U320 SCSI RAID enablement card.

2526

Explanation: PCI-X Ultra320 SCSI RAID Battery Pack

2527

Explanation: PCI-X Quad Channel U320 SCSI RAID Adapter

2528

Explanation: PCI-X Dual Channel Ultra320 SCSI adapter

2529

Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252B

Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252D

Explanation: PCI-X DDR Dual Channel Ultra320 SCSI RAID adapter

252E

Explanation: Configuring PCI-X DDR Auxiliary Cache Adapter

2530

Explanation: 10/100 Mbps Ethernet PCI Adapter II being configured.

2531

Explanation: Configuring 10 Gigabit-LR Ethernet PCI-X adapter

2532

Explanation: Configuring 10 Gigabit-SR Ethernet PCI-X adapter

2533

Explanation: 10 GB Ethernet -SR PCI-X 2.0 DDR adapter being configured

2534

Explanation: 10 GB Ethernet -LR PCI-X 2.0 DDR adapter being configured

2535

Explanation: 4-Port 10/100/1000 Base-TX Ethernet PCI-X Adapter being configured.

2536

Explanation: Configuring Gigabit Ethernet-SX adapter

2537

Explanation: Configuring Ethernet-SX PCIe Adapter

2538

Explanation: Configuring Ethernet-TX PCIe Adapter

2539

Explanation: Configuring PCI Express 10Gb Ethernet-SX adapter

253B

Explanation: Configuring 15000 rpm 292 GB FC Disk

253D

Explanation: Configuring 7200 rpm 400 GB FC-NL Disk

253E

Explanation: Configuring 7200 rpm 400 GB FC-NL Disk

2540

Explanation: Configuring 10K rpm 300 GB FC Disk

2541

Explanation: Configuring 10K rpm 146 GB FC Disk

2542

Explanation: Configuring 10K rpm 73 GB FC Disk

2543

Explanation: Reserved

2544

Explanation: Configuring 15K rpm 146 GB FC Disk

2545

Explanation: Configuring 15K rpm 73 GB FC Disk

2546

Explanation: Configuring 15K rpm 36 GB FC Disk

2547

Explanation: Generic 522 bites per sector SCSI JBOD (not osdisk) Disk Drive

2548

Explanation: Configuring 36 GB 2.5 inch SCSD SFF HDD

2549

Explanation: Configuring 73 GB 2.5 inch SCSD SFF HDD

254A

Explanation: Configuring 4-port FCS adapter

254B

Explanation: Configuring enclosure for FCS adapter

254C

Explanation: Configuring 2-port FCS adapter

254D

Explanation: Configuring enclosure for FCS adapter

254E

Explanation: Fibre Channel Expansion Card

254F

Explanation: Configuring FCS SCSI Protocol device

2550

Explanation: Configuring a POWER GXT4500P graphics adapter

2551

Explanation: Configuring a POWER GXT6500P graphics adapter

2552

Explanation: Configuring 36 GB SAS 2.5 inch SFF HDD

2553

Explanation: Configuring 73 GB SAS 2.5 inch SFF HDD

2554

Explanation: Configuring 36 GB SAS 3.5 inch HDD

2555

Explanation: Configuring 73 GB SAS 3.5 inch HDD

2556

Explanation: Configuring 146 GB SAS 3.5 inch HDD

2557

Explanation: Configuring 300 GB SAS 3.5 inch HDD

2558

Explanation: Configuring 15K rpm 300 GB SCSI HDD (80 pin)

2559

Explanation: Configuring 15K rpm 36 GB SCSI HDD

255B

Explanation: Configuring 15K rpm 73 GB SCSI HDD

255D

Explanation: Configuring 15K rpm 146 GB SCSI HDD

255E

Explanation: Configuring 15K rpm 300 GB SCSI HDD

2560

Explanation: Configuring USB Keyboard

2561

Explanation: Configuring USB Mouse

2562

Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2563

Explanation: All USB Busses are being enumerated

2564

Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2565

Explanation: Configuring adapter or native EHCI USB

2566

Explanation: USB 3.5 inch Micro Diskette Drive

2567

Explanation: Configuring JS20 integrated OHCI USB adapter

2568

Explanation: Generic USB CD-ROM Drive

2569

Explanation: Configuring USB DVDROM drive

256B

Explanation: Configuring USB 3D mouse

256D

Explanation: 4Gb Fibre Channel adapter being configured

256E

Explanation: Configuring a 4-port 10/100/1000 Base-TX PCI express adapter

2570

Explanation: Configuring an IBM cryptographic accelerator PCI adapter

2571

Explanation: 2-Port PCI Asynchronous EIA-232 Adapter

2572

Explanation: PCI-X Cryptographic Coprocessor Card

2573

Explanation: Configuring 146 GB SAS SFF HDD

2574

Explanation: Configuring 15K rpm 36 GB SAS SFF HDD

2575

Explanation: Configuring 15K rpm 73GB SAS SFF HDD

2576

Explanation: Configuring 4-port PCIe Serial Adapter

2577

Explanation: Battery: IBM Cryptographic PCI-X Adapter

2578

Explanation: Configuring IBM Y4 Cryptographic Coprocessor PCIe Adapter

2579

Explanation: Battery: IBM Y4 Cryptographic PCIe Adapter

257B

Explanation: Configuring 4-port FC-AL RAID Adapter

257D

Explanation: Configuring 8-port FC-AL RAID Adapter

2580

Explanation: Configuring a SCSI accessed fault-tolerant enclosure (SAF-TE) device

2581

Explanation: 1 GB iSCSI TOE PCI-X adapter is being configured (copper connector)

2582

Explanation: iSCSI protocol device associated with an iSCSI adapter is being configured

2583

Explanation: 1 GB iSCSI TOE PCI-X adapter being configured (copper connector)

2584

Explanation: IDE DVD-RAM drive being configured

2585

Explanation: IDE DVD-ROM drive being configured

2586

Explanation: Configuring host Ethernet adapter

2587

Explanation: Configuring a Slimline DVD-ROM drive

2588

Explanation: Configuring a 4.7 GB Slimline DVD-RAM drive

2589

Explanation: Configuring the common SCSI protocol driver

258B

Explanation: Configuring Logical Host Ethernet Adapter

258D

Explanation: Configuring MPT2 Common SCSI protocol driver

2590

Explanation: IDE CD-ROM drive being configured

2591

Explanation: IDE DVD-ROM drive being configured.

2592

Explanation: IDE DVD-ROM drive being configured.

2593

Explanation: IDE DVD-RAM drive being configured.

2594

Explanation: 4.7 GB IDE Slimline DVD-RAM drive

2595

Explanation: IDE Slimline DVD-ROM drive

2596

Explanation: Configuring USB CDROM drive

2597

Explanation: Configuring USB DVDROM drive

2598

Explanation: Configuring USB CDROM drive

2599

Explanation: Configuring USB DVDROM

259B

Explanation: Configuring Slimline UBE IDE DVDRAM drive

259D

Explanation: Configuring Slimline UBE IDE DVDRAM drive

25A0

Explanation: I/O Planar Control Logic for IDE devices

25A1

Explanation: Configuring USB Mass Storage Device

25A2

Explanation: Configuring USB DVD-RAM

25A3

Explanation: Configuring PCIe Integrated Serial Adapter

25A4

Explanation: Configuring PCIe 2-port Serial Adapter

25B0

Explanation: Configuring iSCSI protocol device

25B1

Explanation: Configuring Tivoli Storage Manager FC asyncronous event protocol driver

25B2

Explanation: Configuring Virtual I/O Ethernet Adapter

25B3

Explanation: Configuring VSCSI client adapter

25B4

Explanation: Configuring VSCSI virtual disk

25B5

Explanation: Configuring VSCSI virtual CDROM

25B6

Explanation: Configuring Virtual I/O Bus

25B7

Explanation: Configuring VSCSI virtual SCSI server driver

25B8

Explanation: Configuring VSCSI virtual target device

25B9

Explanation: Ethernet Adapter (Fiber)

25BB

Explanation: Configuring Slimline UBE IDE DVDROM Drive

25BD

Explanation: Configuring Slimline UBE IDE DVDROM Drive

25C0

Explanation: Gigabit Ethernet-SX PCI-X adapter

25C1

Explanation: 10/100/1000 base-TX Ethernet PCI-X adapter

25C2

Explanation: Dual Port Gigabit SX Ethernet PCI-X Adapter

25C3

Explanation: 10/100/1000 Base-TX Dual Port PCI-Adapter

25C4

Explanation: Broadcom Dual-Port Gigabit Ethernet PCI-X Adapter

25D0

Explanation: Configuring a PCI audio adapter

25D1

Explanation: Configuring ATI controller

25D2

Explanation: LSI SAS adapter

25D3

Explanation: Configuring 2-port 6Gb LSI SAS Expansion adapter

25D4

Explanation: Configuring 2-port 6Gb LSI SAS Expansion CFFe Adapter

25D5

Explanation: Configuring 4-port 6Gb LSI SAS Expansion adapter

25E0

Explanation: Configuring Switch network interface adapter

25E1

Explanation: Configuring Switch network interface adapter

25E2

Explanation: Configuring Switch network interface adapter

25E3

Explanation: Configuring Switch network interface adapter

25E4

Explanation: Configuring GXT7000e Advanced 3D PCI Express Graphics Adapter

25E5

Explanation: Configuring PCI-E 2D Graphics Adapter

25E6

Explanation: Configuring Low Profile PCI-E 2D Graphics Adapter

25E7

Explanation: Reserved

25E8

Explanation: Configuring PCI-X 2D Graphics Adapter

25F0

Explanation: Configuring SCSD iSCSI Disk Drive

25F1

Explanation: Configuring SCSD iSCSI CDROM Drive

25F2

Explanation: Configuring SCSD iSCSI Read/Write Optical Device

25F3

Explanation: Configuring OEM iSCSI Disk Drive

25F4

Explanation: Configuring OEM iSCSI CD-ROM Drive

25F5

Explanation: Configuring OEM iSCSI Read/Write Optical Device

25F6

Explanation: Configuring iSCSI SCSD Tape Drive

25F7

Explanation: Configuring iSCSI ost Tape Drive

25F8

Explanation: Configuring a 1 GB PCI-X iSCSI TOE Ethernet adapter (copper)

25F9

Explanation: Reserved

25FA

Explanation: Reserved

2600

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2601

Explanation: PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2602

Explanation: PCI 64-Bit 4 GB fibre channel adapter

2603

Explanation: Configuring 4Gb PCIe Fibre Channel Adapter

2604

Explanation: Configuring Emulex FC daughter card (SFF)

2605

Explanation: Configuring Emulex 8Gb PCIe 1-port FC adapter

2606

Explanation: Configuring 8Gb FC Dual Port PCIe Adapter

2607

Explanation: Configuring Emulex 8Gb PCIe 2-port FC daughter card

2608

Explanation: Configuring 8Gb PCIe 4-port FC adapter

2609

Explanation: Configuring Emulex 16Gb PCIe2 2-port FC adapter

260B

Explanation: Configuring Emulex SLI-4 FC SCSI protocol driver

2610

Explanation: Configuring Quantum SDLT320 tape drive

2611

Explanation: 36/72 GB 4 mm internal tape drive

2612

Explanation: 80/160 GB internal tape drive with VXA2 technology

2613

Explanation: 200/400 GB LTO2 Tape drive

2614

Explanation: VXA3 160/320 GB Tape Drive

2615

Explanation: Configuring a DAT160 80GB tape drive

2616

Explanation: Configuring a 36/72GB 4mm Internal Tape Drive

2617

Explanation: Configuring a LTO3 400 GB tape drive

2618

Explanation: Configuring a SAS 400 GB/1.6 TB Ultrium 4 tape drive

2619

Explanation: Configuring 3.5 inch 80GB DAT160 SAS Tape Drive

2620

Explanation: Configuring InfiniBand adapter

2621

Explanation: PCI-X Dual-port 4x HCA Adapter being configured

2622

Explanation: Configuring InfiniBand Device

2623

Explanation: Configuring 4x InfiniBand PCI-E adapter

2624

Explanation: Configuring 4X PCIe DDR InfiniB and Host Channel adapter

2625

Explanation: Configuring 4X PCIe QDR InfiniBand Host Channel adapter

2626

Explanation: Configuring 4X PCIe QDR InfiniBand Host Channel Blade adapter

2627

Explanation: Configuring 4X PCIe QDR InfiniBand Host Channel Mezz adapter

2628

Explanation: Configuring PCIe RoCE Adapter

2629

Explanation: Identifying PCIe QDR Host Channel Adapter

262B

Explanation: Configuring PCIe RoCE Adapter

2630

Explanation: Configuring integrated IDE controller

2631

Explanation: Integrated IDE controller

2632

Explanation: Configuring RoHS compliant 73GB 80pin 15Krpm ATX carrier

2633

Explanation: Configuring RoHS compliant 146GB 80pin 15Krpm ATX carrier

2634

Explanation: Configuring RoHS compliant 300GB 80pin 15Krpm ATX carrier

2640

Explanation: IDE Disk Drive, 2.5 inch

2641

Explanation: 73 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2642

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2643

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower ™ systems)

2644

Explanation: 146 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2645

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2646

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)

2647

Explanation: 300 GB SCSI disk drive 68 pin 10K rpm being identified or configured.

2648

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2649

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264B

Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

264D

Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264E

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2650

Explanation: ESS iSCSI devices being identified or configured.

2651

Explanation: SVC being identified or configured.

2652

Explanation: SVCCISCOi being identified or configured.

2653

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For HV systems)

2654

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2655

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

2656

Explanation: 73 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2657

Explanation: 146 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2658

Explanation: 73 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

2659

Explanation: 146 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

265B

Explanation: 300 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

265D

Explanation: Configuring generic SATA Attached IDE DVDRAM

265E

Explanation: Configuring generic SATA Attached IDE DVDROM Device

2660

Explanation: Configuring generic SATA DVDRAM Device

2661

Explanation: Configuring generic SATA DVDROM Device

2662

Explanation: Configuring generic SATA Optical Device

2663

Explanation: Configuring generic SAS SCSD Disk Drive

2664

Explanation: Configuring generic SAS Disk Drive

2665

Explanation: Configuring generic SAS RAID Array

2666

Explanation: Configuring generic SAS PDISK

2667

Explanation: An electronics tray, also known as the enclosure services manager is being identified or configured

2668

Explanation: Configuring generic Virtual SAS SCSI Enclosure Services Device

2669

Explanation: Configuring generic SAS Target Mode Device

266B

Explanation: Configuring generic SAS Other Target Mode Device

266D

Explanation: Configuring generic SAS SCSD Tape Drive

266E

Explanation: Configuring generic SAS Tape Drive

2670

Explanation: 73 GB SFF SAS Disk Drive 10K rpm being identified or configured

2671

Explanation: 146 GB SFF SAS Disk Drive 10K rpm being identified or configured

2672

Explanation: 300 GB SFF SAS Disk Drive 10K rpm being identified or configured

2673

Explanation: Configuring 73 GB 3.5 inch SAS DASD

2674

Explanation: Configuring 146 GB 3.5 inch SAS DASD

2675

Explanation: Configuring 300 GB 3.5 inch SAS DASD

2676

Explanation: Configuring 7200 rpm 750 GB FC-NL Disk

2677

Explanation: Configuring 7200 rpm 1000 GB FC-NL Disk

2678

Explanation: Configuring 36GB 3.5 inch SAS DASD

2679

Explanation: Configuring Slimline SATA DVDRAM drive

267B

Explanation: Configuring Slimline SATA DVDRAM drive

267D

Explanation: Configuring 15K rpm 450 GB FC Disk

2680

Explanation: A generic SAS adapter is being identified or configured

2681

Explanation: DVD tray assembly.

2682

Explanation: Configuring 450 GB 15K RPM 3.5 inch SAS Disk Drive

2684

Explanation: Configuring 73 GB 15K RPM SFF Disk Drive

2685

Explanation: Configuring 146 GB 15K RPM SFF Disk Drive

2687

Explanation: Configuring 73 GB SAS SFF Solid State Drive

2690

Explanation: Configuring 600 GB 15K RPM SAS Disk Drive

2691

Explanation: Configuring 15K rpm 600 GB FC Disk

2692

Explanation: Configuring 146 GB 15K RPM SFF SAS HDD

2693

Explanation: Configuring 300 GB 15K RPM SFF SAS HDD

2694

Explanation: Configuring 146 GB 10K rpm 2.5 inch SFF SAS HDD

2695

Explanation: Configuring 300 GB 10K rpm 2.5 inch SFF SAS HDD

2696

Explanation: Configuring 73 GB 15K RPM SFF SAS Drive

2697

Explanation: Configuring 146 GB 15K RPM SFF SAS Drive

2698

Explanation: Configuring 7200 rpm 2TB SATA Drive

2699

Explanation: Configuring 600 GB 10K RPM SAS SFF Disk Drive

269B

Explanation: Configuring 450 GB 10K RPM SFF SAS Hard Drive

269D

Explanation: Configuring 600 GB 10K RPM SFF SAS Hard Drive

26B0

Explanation: Configuring 73 GB 3.5 inch FC-AL Solid State Drive

26B1

Explanation: Configuring 146 GB 3.5 inch FC-AL Solid State Drive

26B2

Explanation: Configuring 292 GB 3.5 inch FC-AL Solid State Drive

26B3

Explanation: Configuring 100 GB SATA 1.8 inch Solid State Drive

26B4

Explanation: Configuring 200 GB SATA Solid State Drive

26B5

Explanation: Configuring 400 GB SATA 1.8 inch Solid State Drive

26B6

Explanation: Configuring 300 GB SAS SFF Solid State Drive

26B7

Explanation: Configuring 600 GB FC 3.5 inch Solid State Drive

26B8

Explanation: Configuring 200 GB 2.5 inch Smart Modular SSD

26B9

Explanation: Configuring 400 GB 2.5 inch SFF SAS SSD

26BD

Explanation: Reserved

26D0

Explanation: Configuring DAT320 160GB SAS Tape Drive

26D1

Explanation: Configuring DAT320 160GB USB Tape Drive

26D2

Explanation: Configuring 600 GB 10K RPM SFF SAS Disk Drive

26D3

Explanation: Configuring 300 GB 15K RPM SFF SAS Disk Drive

26D4

Explanation: Configuring 900 GB 2.5 inch 10K RPM SFF SAS HDD

26D5

Explanation: Configuring 300 GB 2.5 inch 15K RPM SFF SAS HDD

26D6

Explanation: Configuring 450 GB 2.5 inch 15K RPM SFF SAS HDD

26D7

Explanation: Configuring 900 GB 10K RPM SAS SFF Disk Drive

26D8

Explanation: Configuring 1 TB 7.2K RPM 3.5 inch SAS HDD

26D9

Explanation: Configuring 2 TB 7.2K RPM 3.5 inch SAS HDD

26DB

Explanation: Configuring 3 TB 7.2K RPM 3.5 inch SAS HDD

26DD

Explanation: Configuring 900 GB 10K RPM 2.5 inch SFF SAS HDD

26E0

Explanation: Configuring Internal RDX USB Dock

26E1

Explanation: Configuring External RDX USB Dock

26E2

Explanation: Reserved

26E3

Explanation: Reserved

26E4

Explanation: Reserved

26E5

Explanation: Configuring SAS HH LTO-5 Tape Drive

26E6

Explanation: Configuring USB Tape Drive

26E7

Explanation: Configuring Enhanced Internal RDX USB Dock

26E9

Explanation: Configuring Enhanced External RDX USB Dock

26EB

Explanation: Reserved

26ED

Explanation: Reserved

2700

Explanation: Configuring NPIV FC SCSI protocol device

2701

Explanation: Configuring NPIV FC SCSI protocol device

2702

Explanation: Boot failed due to insufficient VRM

2703

Explanation: Configuring Paging Device - Logical Volume

2704

Explanation: Configuring Paging Device - Disk

2705

Explanation: Configuring Virtual Tape

2706

Explanation: Configuring Pool Device

2707

Explanation: Configuring Virtual Fiber Channel (vfc) Host Device

2708

Explanation: Configuring VSCSI Virtual Tape

2709

Explanation: Configuring Virtual Block Storage Device

270B

Explanation: Configuring Cluster Storage Framework

270D

Explanation: Configuring Virtual SCSI Log

2710

Explanation: Configuring OHCI USB Native or 4-port PCIe Adapter

2711

Explanation: Configuring Loopback Device

2714

Explanation: Configuring Integrated xHCI USB 3.0 Adapter

2715

Explanation: Configuring PCIe2 4-Port USB 3.0 Adapter

2720

Explanation: Configuring Slimline SATA DVDRAM Drive

2722

Explanation: Configuring 2.5 TB SAS HH LTO-6 Tape Drive

2723

Explanation: Configuring 2.5 TB FC HH LTO-6 Tape Drive

2730

Explanation: Configuring VIOS Object

2731

Explanation: Configuring VIOS Cluster Object

2732

Explanation: Configuring VIOS LPM Pseudo device

2740

Explanation: Configuring 400 GB 2.5 inch SFF SAS SSD

2741

Explanation: Reserved

2742

Explanation: Configuring Interposer w/ 400 GB SATA 1.8 inch SSD

2743

Explanation: Configuring 800 GB SAS SFF SSD

274E

Explanation: Configuring 400 GB SAS small-form factor solid-state drive

2750

Explanation: Configuring 16Gb PCIe2 2-port FC Mezz adapter

2751

Explanation: Configuring Copper 10Gb PCIe2 2-port FCoE Adapter

2752

Explanation: Configuring Copper 10Gb PCIe2 2-port FCoE VF

2753

Explanation: Configuring SR 10Gb PCIe2 2-port FCoE Adapter

2754

Explanation: Configuring SR 10Gb PCIe2 2-port FCoE VF

2755

Explanation: Configuring 16Gb PCIe2 4-port FC NGP Mezz Adapter

2756

Explanation: Configuring 16Gb PCIe2 2-port FC adapter

2757

Explanation: Configuring 16Gb PCIe2 2-port FC adapter

2765

Explanation: Configuring 1.6 TB 2.5" SAS SSD

2770

Explanation: Configuring 2-port 10Gb RoCE Mezz Adapter

2771

Explanation: Configuring 2-port 10Gb RoCE Mezz Adapter

2776

Explanation: Configuring ConnectX3-EN 40G PCIe Gen-3 RoCE Adapter

2777

Explanation: Configuring PCIe QDR InfiniBand adapter

2780

Explanation: Configuring 300 GB SAS interface small form factor 15,000 rpm disk drive

2782

Explanation: Configuring 600 GB SAS interface small form factor 15,000 rpm disk drive

27D2

Explanation: 1.2 TB SFF SAS Disk Drive 10K rpm being identified or configured

27E3

Explanation: Configuring 400 GB SAS 1.8 inch form factor solid state drive

27E4

Explanation: Configuring 200 GB 1.8" Read Intensive SAS SSD

27E5

Explanation: Configuring 200 GB 1.8" Read Intensive 4K SAS SSD

2800

Explanation: Configuring virtual suspend device

2801

Explanation: Configuring virtual suspend adapter

2D00

Explanation: Reserved

2D01

Explanation: PCI-X Quad Channel U320 SCSI RAID Battery Pack

2D02

Explanation: Generic USB Reference to Controller/Adapter

2D03

Explanation: Reserved

2D04

Explanation: Reserved

2D05

Explanation: PCI-X266 Planar 3 GB SAS RAID adapter battery pack

2D06

Explanation: Reserved

2D07

Explanation: Configuring a PCI X DDR Auxiliary Cache adapter

2D08

Explanation: Configuring PCI Express x8 Ext Dual-x4 3Gb SAS RAID Adapter

2D09

Explanation: Configuring PCI-X Ext x2 3Gb SAS RAID Adapter

2D0B

Explanation: PCI express x8 Ext Dual-x4 3Gb SAS RAID adapter being configured.

2D0D

Explanation: Configuring PCI Express x8 Ext. Dual-x4 3Gb SAS RAID Adapter

2D0E

Explanation: Reserved

2D10

Explanation: Configuring RSSM Storage Device

2D11

Explanation: Configuring PCIe3 RAID SAS Adapter Quad-port 6Gb x8

2D12

Explanation: Configuring PCIe2 SAS Adapter Quad-port 6Gb

2D13

Explanation: Configuring PCIe2 SAS Adapter Quad-port 6Gb

2D14

Explanation: PCI express x8 Planar 3Gb SAS Adapter being configured.

2D15

Explanation: PCI express x8 Planar 3Gb SAS RAID Adapter being configured.

2D16

Explanation: PCI-X DDR Planar 3Gb SAS Adapter

2D17

Explanation: PCI-X DDR Planar 3Gb SAS RAID Adapter

2D18

Explanation: PCI-X DDR Planar 3Gb SAS RAID Adapter

2D19

Explanation: Reserved

2D1B

Explanation: Reserved

2D1D

Explanation: Configuring PCIe2 RAID SAS Adapter Dual-port 6Gb

2D1F

Explanation: PCIe2 1.8GB Cache RAID SAS Adapter Tri-port 6Gb

2D20

Explanation: PCIe2 1.8GB Cache RAID SAS Adapter Tri-port 6Gb

2D21

Explanation: Configuring PCIe3 12GB Cache RAID SAS Adapter Quad-port 6Gb x8

2D22

Explanation: Configuring PCIe2 3.6GB Cache RAID SAS Adapter Quad-port 6Gb

2D23

Explanation: Configuring PCIe x1 Planar 3Gb SAS Adapter

2D24

Explanation: Configuring PCIe2 3.6GB Cache RAID SAS Enclosure 6Gb

2D25

Explanation: Configuring PCIe x4 Planar 3Gb SAS Adapter

2D26

Explanation: Configuring PCIe x4 Planar 3Gb SAS RAID Adapter

2D27

Explanation: Configuring PCIe x4 Internal 3Gb SAS Adapter

2D28

Explanation: Configuring PCIe x4 Internal 3Gb SAS RAID Adapter

2D29

Explanation: Configuring PCIe x8 Internal 3Gb SAS Adapter

2D30

Explanation: Configuring PCIe2 1.8GB RAID and SSD SAS Adapter 6Gb

2D31

Explanation: Configuring PCIe2 3.6GB RAID and SSD SAS Adapter 6Gb

2D35

Explanation: Configuring PCIe3 x8 SAS RAID Internal Adapter 6Gb

2D36

Explanation: Configuring PCIe3 x8 Cache SAS RAID Internal Adapter 6Gb

2D40

Explanation: Configuring PCIe RAID and SSD SAS 3Gb Adapter

2D41

Explanation: Reserved

2E00

Explanation: Configuring SLIM Expansion Gb Ethernet-SX PCI-X Adapter

2E01

Explanation: 10Gb Ethernet-SR PCIe Adapter

2E02

Explanation: 10Gb Ethernet-LR PCIe Adapter

2E03

Explanation: Configuring 10Gb Ethernet-SR PCIe Host Bus Adapter

2E04

Explanation: Configuring 10Gb Ethernet-CX4 PCIe Host Bus Adapter

2E08

Explanation: Configuring 4X Copper Twinax 10Gb PCIe Ethernet Adapter

2E09

Explanation: Configuring 4X Copper Twinax 1Gb PCIe Ethernet Adapter

2E0B

Explanation: Configuring 4X SR SFP+ 10Gb PCIe Ethernet Adapter

2E0D

Explanation: Configuring 4X SR SFP+ 1Gb PCIe Ethernet Adapter

2E10

Explanation: Configuring Qlogic 2432 FC Adapter

2E11

Explanation: Configuring Qlogic 8Gb PCIe FC Adapter

2E12

Explanation: 8 Gb Fibre Channel adapter being configured

2E13

Explanation: Configuring Qlogic 4Gb PCIe FC Blade Expansion Adapter

2E14

Explanation: Configuring Qlogic 8Gb PCIe FC Blade Expansion Adapter

2E15

Explanation: Configuring Qlogic 8Gb PCIe FC Blade Expansion Adapter

2E16

Explanation: Configuring Qlogic 8Gb 2-port PCIe FC Mezz Card

2E17

Explanation: Configuring low-profile 8Gb 4-port PCIe2 FC Adapter

2E18

Explanation: Reserved Configuring Qlogic 8Gb 2-port PCIe2 FC Adapter

2E20

Explanation: Configuring 10Gb PCIe FCoE CNA Slot FC Adapter

2E21

Explanation: Configuring Qlogic 10Gb PCIe FCoE CNA FC Daughtercard

2E22

Explanation: Configuring 10Gb PCIe FCoE CNA Slot Ethernet Adapter

2E23

Explanation: Configuring 10Gb PCIe2 FCoE VF

2E28

Explanation: Configuring 10Gb PCIe2 FCoE ITE Mezz VF

2E30

Explanation: Configuring 10Gb PCIe SFP+ SR Ethernet Adapter

2E31

Explanation: Configuring 10Gb PCIe SFP+ Twinax Ethernet Adapter

2E32

Explanation: Configuring 1Gb PCIe UTP Ethernet Adapter

2E33

Explanation: Configuring 1Gb 4-port PCIe Ethernet Adapter

2E34

Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter

2E35

Explanation: Configuring PCIe Combo 8Gb FC with 1Gb Ethernet

2E36

Explanation: Configuring 1Gb 2-port PCIe Integrated Ethernet Adapter

2E37

Explanation: Configuring PCIe2 4-port 10GbE Mezz Adapter

2E38

Explanation: Configuring Int Multifunction Adapter w/ SR Optical 10GbE

2E39

Explanation: Configuring Int Multifunction Adapter w/ Copper SFP+ 10GbE

2E3B

Explanation: Configuring Int Multifunction Adapter w/ Base-TX 10/100/1000 1GbE

2E3D

Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter

2E40

Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter

2E41

Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter

2E42

Explanation: Configuring PCIe2 2-Port 10GbE Base-T Adapter

2E43

Explanation: Configuring PCIe2 4-Port (10GbE SFP+ and 1GbE RJ45) Adapter

2E52

Explanation: Configuring 10GbE 8-port NGP Mezz adapter

2E53

Explanation: Configuring 10GbE-SR 4-port adapter

2E55

Explanation: Configuring 10GbE-SR/1GBaseT 4-port adapter

2E57

Explanation: Configuring 10GbE-SR 4-port Integrated adapter

2E59

Explanation: Configuring PCIe2 10GbE Short Range 4-port Integrated Adapter

2E5D

Explanation: Configuring 10GbE-Cu 4-port Integrated adapter

2E60

Explanation: Configuring PCIe2 10GbE Copper 4-port Integrated Adapter

2E62

Explanation: Configuring PCIe2 10GbaseT Copper 4-port Integrated Adapter

2E63

Explanation: Configuring 10GbE 2-port GX++ Gen2 adapter

2E70

Explanation: Configuring PCIe2 10Gb Long Range 4-port FCoE Slot Adapter

2E72

Explanation: Configuring PCIe2 10Gb Copper 4-port FCoE Slot Adapter

2E80

Explanation: Configuring PCIe2 10Gb Long Range 4-port Slot Network Adapter

2E81

Explanation: Configuring PCIe2 10Gb Long Range 4-port Slot Network VF Adapter

2E82

Explanation: Configuring PCIe2 1GbaseT Long Range 4-port Slot Network Adapter

2E83

Explanation: Configuring PCIe2 1GbaseT Long Range 4-port Slot Network VF Adapter

2E84

Explanation: Configuring PCIe2 10Gb Copper 4-port Slot Network Adapter

2E85

Explanation: Configuring PCIe2 10Gb Copper 4-port Slot Network VF Adapter

2E86

Explanation: Configuring PCIe2 1GbaseT Copper 4-port Slot Network Adapter

2E87

Explanation: Configuring PCIe2 1GbaseT Copper 4-port Slot Network VF Adapter

2F00

Explanation: Configuring BluRay Writer

2F01

Explanation: Configuring BluRay Reader

3000

Explanation: GPFS Raid Services

AIX diagnostic load progress indicators

This section contains a list of the various numbers and characters that display in the operator panel display that track the progress of diagnostics.

Note: Some systems might produce 4-digit codes. If the leftmost digit of a 4-digit code is 0, use the three rightmost digits.

0C00

Explanation: AIX Install/Maintenance loaded successfully.

0C01

Explanation: Insert the first diagnostic diskette.

0C02

Explanation: Diskettes inserted out of sequence.

0C03

Explanation: The wrong diskette is in diskette drive.

0C04

Explanation: The loading stopped with an irrecoverable error.

0C05

Explanation: A diskette error occurred.

0C06

Explanation: The **rc.boot** configuration shell script is unable to determine type of boot.

0C07

Explanation: Insert the next diagnostic diskette.

0C08

Explanation: RAM file system started incorrectly.

0C09

Explanation: The diskette drive is reading or writing a diskette.

0C10

Explanation: Unknown system platform

0C20

Explanation: An unexpected halt occurred, and the system is configured to enter the kernel debug program instead of entering a system dump.

0C21

Explanation: The **ifconfig** command was unable to configure the network for the client network host.

0C22

Explanation: The **tftp** command was unable to read client's *ClientHostName* **.info** file during a client network boot.

0C24

Explanation: Unable to read client's *ClientHostName* **.info** file during a client network boot.

0C25

Explanation: Client did not mount remote miniroot during network install.

0C26

Explanation: Client did not mount the **/usr** file system during the network boot.

0C29

Explanation: The system was unable to configure the network device.

0C31

Explanation: Select the console display for the diagnostics. To select No console display, set the key mode switch to Normal, then to Service. The diagnostic programs then load and run the diagnostics automatically. If you continue to get the message, check the cables and make sure you are using the serial port.

0C32

Explanation: A directly attached display (HFT) was selected.

0C33

Explanation: A TTY terminal attached to serial ports S1 or S2 was selected.

0C34

Explanation: A file was selected. The console messages store in a file.

0C35

Explanation: No console found.

0C40

Explanation: Configuration files are being restored.

0C41

Explanation: Could not determine the boot type or device.

0C42

Explanation: Extracting data files from diskette.

0C43

Explanation: Cannot access the boot/install tape.

0C44

Explanation: Initializing installation database with target disk information.

0C45

Explanation: Cannot configure the console.

0C46

Explanation: Normal installation processing.

0C47

Explanation: Could not create a physical volume identifier (PVID) on disk.

0C48

Explanation: Prompting you for input.

0C49

Explanation: Could not create or form the JFS log.

0C50

Explanation: Creating root volume group on target disks.

0C51

Explanation: No paging devices were found.

0C52

Explanation: Changing from RAM environment to disk environment.

0C53

Explanation: Not enough space in the **/tmp** directory to do a preservation installation.

0C54

Explanation: Installing either BOS or additional packages.

0C55

Explanation: Could not remove the specified logical volume in a preservation installation.

0C56

Explanation: Running user-defined customization.

0C57

Explanation: Failure to restore BOS.

0C58

Explanation: Displaying message to turn the key.

0C59

Explanation: Could not copy either device special files, device ODM, or volume group information from RAM to disk.

0C61

Explanation: Failed to create the boot image.

0C62

Explanation: Loading platform dependent debug files.

0C63

Explanation: Loading platform dependent data files.

0C64

Explanation: Failed to load platform dependent data files.

0C70

Explanation: Problem Mounting diagnostic boot media. An example of the boot media would be a CD-ROM disc.

0C71

Explanation: A IX diagnostics are not supported on this system, or there is not enough memory to run the diagnostics.

0C72

Explanation: There is a problem copying files from the diagnostic boot media into the RAM file system. An example of the boot media would be a CD-ROM disc.

0C99

Explanation: Diagnostics have completed. This code is only used when there is no console.

Dump progress indicators (dump status codes)

The following dump progress indicators, or dump status codes, are part of a Type 102 message.

Note: When a lowercase c is listed, it displays in the lower half of the character position. Some systems produce 4-digit codes. The two leftmost positions can have blanks or zeros. Use the two rightmost digits.

00C0

Explanation: The dump completed successfully.

00C1

Explanation: The dump failed due to an I/O error.

00C2

Explanation: A dump, requested by the user, is started.

00C3

Explanation: The dump is inhibited.

00C4

Explanation: The dump device is not large enough.

00C5

Explanation: The dump did not start, or the dump crashed.

00C6

Explanation: Dumping to a secondary dump device.

00C7

Explanation: Reserved.

00C8

Explanation: The dump function is disabled.

00C9

Explanation: A dump is in progress.

00CB

Explanation: A firmware-assisted system dump is in progress

00CC

Explanation: Unknown dump failure.

AIX crash progress codes (category 1)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 1 crash codes, dump analysis is the appropriate first action in Problem Determination. Begin the Problem Determination process with software support.

888-102-300

Explanation: Data storage interrupt from the processor.

888-102-32X

Explanation: Data storage interrupt because of an I/O exception from IOCC.

888-102-38X

Explanation: Data storage interrupt because of an I/O exception from SLA.

888-102-400

Explanation: Instruction storage interrupt.

888-102-700

Explanation: Program interrupt.

AIX crash progress codes (category 2)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 2 crash codes, dump analysis most likely will not aid in Problem Determination. Begin the Problem Determination process with hardware support.

888-102-200

Explanation: Machine check because of a memory bus error.

888-102-201

Explanation: Machine check because of a memory timeout.

888-102-202

Explanation: Machine check because of a memory card failure.

888-102-203

Explanation: Machine check because of an out of range address.

888-102-204

Explanation: Machine check because of an attempt to write to ROS.

888-102-205

Explanation: Machine check because of an uncorrectable address parity.

888-102-206

Explanation: Machine check because of an uncorrectable ECC error.

888-102-207

Explanation: Machine check because of an unidentified error.

888-102-208

Explanation: Machine check due to an L2 uncorrectable ECC.

888-102-500

Explanation: External interrupt because of a scrub memory bus error.

888-102-501

Explanation: External interrupt because of an unidentified error.

888-102-51X

Explanation: External interrupt because of a DMA memory bus error.

888-102-52X

Explanation: External interrupt because of an IOCC channel check.

888-102-53X

Explanation: External interrupt from an IOCC bus timeout; x represents the IOCC number.

888-102-54X

Explanation: External interrupt because of an IOCC keyboard check.

888-102-800

Explanation: Floating point is not available.

AIX crash progress codes (category 3)

Crash codes produce a Type 102 message. A Type 102 message indicates that a software or hardware error occurred during system execution of an application.

For category 3 crash codes, both software and hardware support may be needed in Problem Determination. Go to the 888 sequence in the operator panel display to assist in problem isolation.

888-102-000

Explanation: Unexpected system interrupt.

888-102-558

Explanation: There is not enough memory to continue the system IPL.

888-102-600

Explanation: AIX 4.3.3.3 and above: Alignment Interrupt. If pre-AIX 4.3.3.3: AIX has crashed because the Portability Assist Layer (PAL) for this machine type has detected a problem.

888-102-605

Explanation: AIX 4.3.3.3 and above: AIX has crashed because the Portability Assist Layer (PAL) for this machine type has detected a problem.

(C1xx) Service processor progress codes

C10010XX

Explanation: Pre-standby

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001F00

Explanation: Pre-standby: starting initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001F0D

Explanation: Pre-standby: discovery completed in initial transition file.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Problem determination: While this checkpoint is being displayed, the service processor card is reading the system VPD; this may take as long as 15 minutes (on systems with maximum configurations or many disk drives) before displaying the next checkpoint. You should wait at least 15 minutes for this checkpoint to change before deciding that the system is hung.

C1001F0F

Explanation: Pre-standby: waiting for standby synchronization from initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1001FFF

Explanation: Pre-standby: completed initial transition file

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X01

Explanation: Hardware object manager: (HOM): the cancontinue flag is being cleared.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X02

Explanation: Hardware object manager: (HOM): erase HOM IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X04

Explanation: Hardware object manager: (HOM): build cards IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X08

Explanation: Hardware object manager: (HOM): build processors IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X0C

Explanation: Hardware object manager: (HOM): build chips IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X10

Explanation: Hardware object manager: (HOM): initialize HOM.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X14

Explanation: Hardware object manager: (HOM): validate HOM.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X18

Explanation: Hardware object manager: (HOM): GARD in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X1C

Explanation: Hardware object manager: (HOM): clock test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X20

Explanation: Frequency control IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X24

Explanation: Asset protection IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X28

Explanation: Memory configuration IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X2C

Explanation: Processor CFAM initialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X30

Explanation: Processor self-synchronization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X34

Explanation: Processor mask attentions being initializaed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X38

Explanation: Processor check ring IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X39

Explanation: Processor L2 line delete in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X3A

Explanation: Load processor gptr IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X3C

Explanation: Processor ABIST step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X40

Explanation: Processor LBIST step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X44

Explanation: Processor array initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X46

Explanation: Processor AVP initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X48

Explanation: Processor flush IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X4C

Explanation: Processor wiretest IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X50

Explanation: Processor long scan IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X54

Explanation: Start processor clocks IPL step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X58

Explanation: Processor SCOM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X5C

Explanation: Processor interface alignment procedure in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X5E

Explanation: Processor AVP L2 test case in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X60

Explanation: Processor random data test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X64

Explanation: Processor enable machine check test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X66

Explanation: Concurrent intialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X68

Explanation: Processor fabric initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X6C

Explanation: Processor PSI initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X70

Explanation: ASIC CFAM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X74

Explanation: ASIC mask attentions being set up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X78

Explanation: ASIC check rings being set up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X7C

Explanation: ASIC ABIST test being run.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X80

Explanation: ASIC LBIST test being run.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X82

Explanation: ASIC RGC being reset.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X84

Explanation: ASIC being flushed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X88

Explanation: ASIC long scan initialization in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X8C

Explanation: ASIC start clocks in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X90

Explanation: Wire test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X92

Explanation: ASIC restore erepair in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X94

Explanation: ASIC transmit/receive initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X98

Explanation: ASIC wrap test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X9C

Explanation: ASIC SCOM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009X9E

Explanation: ASIC HSS set up in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA0

Explanation: ASIC onyx BIST in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA4

Explanation: ASIC interface alignment step in progress.

Response: Perform isolation procedure FSPSPC1. To

locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XA8

Explanation: ASIC random data test in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XAC

Explanation: ASIC enable machine check step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB0

Explanation: ASIC I/O initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB4

Explanation: ASIC DRAM initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB8

Explanation: ASIC memory diagnostic step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XB9

Explanation: PSI diagnostic step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XBB

Explanation: Restore L3 line delete step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XBD

Explanation: AVP memory test case in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC0

Explanation: Node interface alignment procedure in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC4

Explanation: Dump initialization step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XC8

Explanation: Start PRD step in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XCC

Explanation: Message passing waiting period has begun.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XD0

Explanation: Message passing waiting period has begun.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1009XD4

Explanation: EI (Elastic Interface) calibration step in progress .

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100B101

Explanation: Firmware update via the USB port on the service processor: the firmware image is being installed on one side of the flash.

C100B102

Explanation: Firmware update via the USB port on the service processor: the firmware image is being installed on the other side of the flash.

C100B103

Explanation: Firmware update via the USB port on the service processor: the firmware installation has been completed successfully. This checkpoint will stay in the control (operator) panel's display for about 10 seconds after the installation is complete, then it will be cleared.

C100B104

Explanation: Firmware update via the USB port on the service processor: the firmware installation has failed.

C100C100

Explanation: Starting power-up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C102

Explanation: Network initialization complete; waiting on VPD from processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C103

Explanation: Waiting on VPD from processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C104

Explanation: Processor VPD collection is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C106

Explanation: Checking of the number of processors is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C107

Explanation: Waiting on VPD from sensors.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C108

Explanation: Sensor VPD collection is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10A

Explanation: Waiting for BPC's IP addresses to be sent from the HMC. The control panel toggles between C100C10A and C100C10B every 5 seconds or so until the addresses are received.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10B

Explanation: Waiting for BPC's IP address es to be sent from the HMC.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10C

Explanation: Waiting for the BPC to come up to standby and turn off block power. The control panel toggles between C100C10C and C100C10D every 5 seconds or so until the BPC is at standy and the block power has been turned off.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C10D

Explanation: Waiting for the BPC to come up to standby and turn off block power.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation

Procedures chapter in your host server Service Guide.

C100C110

Explanation: Waiting for serial polling. The control panel toggles between C100C110 and C100C111 every 5 seconds or so until valid PBC UART data is received from the DCAs.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C111

Explanation: Waiting for serial polling.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C112

Explanation: Collecting the TMS is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C114

Explanation: Waiting for the BPC to respond to the TMS command from SPCN. The control panel toggles between C100C114 and C100C115 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C115

Explanation: Waiting for the BPC to respond to the TMS command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C116

Explanation: Waiting for the BPC to respond to the enclosure TMS command from SPCN. The control panel toggles between C100C116 and C100C117 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C117

Explanation: Waiting for the BPC to respond to the enclosure TMS command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C118

Explanation: Waiting for the BPC to respond to the secure VPD command from SPCN. The control panel toggles between C100C118 and C100C119 every 5 seconds or so until the BPC has responded.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C119

Explanation: Waiting for the BPC to respond to the secure VPD command from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C120

Explanation: Waiting for power off delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C121

Explanation: Waiting for power off delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C122

Explanation: Power off delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C128

Explanation: Waiting for the processor subsystem to show up in the BPC polling data. The control panel toggles between C100C128 and C100C129 every 5 seconds or so until the processor subsystem is present in the polling data.

Response: Perform isolation procedure FSPSPC1. To

locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C129

Explanation: Waiting for the processor subsystem to show up in the BPC polling data.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C140

Explanation: Checking the voltage adjustment.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C142

Explanation: Checking of the voltage adjustment is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C14E

Explanation: Waiting for the voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C14F

Explanation: Waiting for the voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C150

Explanation: Checking the VRM voltage adjustment.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C152

Explanation: Waiting for the VRM voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C153

Explanation: Waiting for the VRM voltage adjustment delay to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C154

Explanation: Checking of the VRM voltage adjustment is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C160

Explanation: Power check in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C162

Explanation: Checking for power supply power.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C164

Explanation: Waiting for the power supply power to come up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C165

Explanation: Waiting for the power supply power to come up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C166

Explanation: REGS power check in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C168

Explanation: Waiting for the REGS power check to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C169

Explanation: Waiting for the REGS power check to be complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C170

Explanation: Waiting for the BPC's response to the power-on request.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C171

Explanation: Waiting for the BPC's response to the power-on request.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C172

Explanation: BPC's response to the power-on request has been received; waiting on all processor subsystems to respond with **powered up** to BPC's polling query. The control panel toggles between C100C172 and C100C173 every 5 seconds or so until all processor subsystems report that they are powered up.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C173

Explanation: Waiting on all processor subsystems to respond with **powered up** to BPC's polling query.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C174

Explanation: Waiting for the BPC to report why power-on failed. The control panel toggles between C100C174 and C100C175 every 5 seconds or so until the report is received.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C175

Explanation: Waiting for the BPC to report why power-on failed.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C180

Explanation: Activating the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C184

Explanation: The power-on delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A0

Explanation: Waiting on the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A1

Explanation: Waiting on the power good signals.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1A2

Explanation: Waiting on the power good signal is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B0

Explanation: Waiting to power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B1

Explanation: Waiting to power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B2

Explanation: The power down delay is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B4

Explanation: The SPCN is waiting for power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B5

Explanation: The SPCN is waiting for power down.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B6

Explanation: Powering down the device is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B7

Explanation: Reserved.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1B8

Explanation: The request to power off the processor subsystem is conplete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BA

Explanation: Waiting on the BPC to respond to the power-off command to the I/O drawers from SPCN. The control panel toggles between C100C1BA and C100C1BB every 5 seconds or so until the I/O drawers respond.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BB

Explanation: Waiting on the BPC to respond to the power-off command to the I/O drawers from SPCN.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1BE

Explanation: The power down operation is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1CF

Explanation: A critical fault has occured. An SRC will be posted and logged soon.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100C1FF

Explanation: The power-on process is complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C100D009

Explanation: Licensed Internal Code (system) running initialization

C1011F00

Explanation: Pre-standby: starting independent initial transition file (primary/secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1011FFF

Explanation: Pre-standby: completed independent initial transition file (primary/secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1021F00

Explanation: Pre-standby: starting primaryInitial transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1021FFF

Explanation: Pre-standby: completed primaryInitial transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1031F00

Explanation: Pre-standby: starting secondaryInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1031FFF

Explanation: Pre-standby: completed secondaryInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A1XX

Explanation: Hypervisor code modules are being transferred to system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A2XX

Explanation: Hypervisor data areas are being built in system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A3XX

Explanation: Hypervisor data structures are being transferred to system storage

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A400

Explanation: Special purpose registers are loaded and instructions are started on the system processors

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103A401

Explanation: Instructions have been started on the system processors

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C103C2XX

Explanation: The service processor is waiting for the batteries in the uninterruptible power supply (UPS) to charge prior to automatic power on-IPL. The last byte (xx) will increment while waiting on the UPS batteries.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1041F00

Explanation: Pre-standby: starting GardedInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1041FFF

Explanation: Pre-standby: completed GardedInitial transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C104550X

Explanation: The system reboot is waiting until the sibling service processor reaches the termination state. The last nibble (x) will toggle between 0 and 1.

C10F2000

Explanation: Halt: starting halt transition file

C10F20FF

Explanation: Halt: completing halt transition file

C1112000

Explanation: Power on: starting Standby-PowerOnTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11120FF

Explanation: Power on: completed Standby-PowerOnTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1122000

Explanation: Power on: starting PowerOnTransition-PoweredOn transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11220FF

Explanation: Power on: completed PowerOnTransition-PoweredOn transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1132000

Explanation: Power on: starting PoweredOn-IplTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11320FF

Explanation: Power on: completed PoweredOn-IplTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C115E359

Explanation: Vital product data (VPD) collection in progress. This progress code may be displayed for a long time on large systems.

Response: Perform isolation procedure FSPSPC1 only if this progress code does not appread to be updating after an hour or more. To locate the isolation procedure go to the Isolation Procedures chapter in your host server service guide.

C116C2XX

Explanation: System power interface is listening for power fault events from SPCN. The last byte (xx) will increment up from 00 to 1F every second while it waits.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C11DE4FF

Explanation: Vital product data (VPD) recollection complete.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to t he Isolation Procedures chapter in your host server Service Guide.

C1202000

Explanation: IPL transition: starting PowerOn/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12020FF

Explanation: IPL transition: completed PowerOn/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12040XX

Explanation: IPL lock time left until expiration. The last byte (xx) will count down as the IPL lock time runs out (FF-00).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1212000

Explanation: IPL transition: starting Standard/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12120FF

Explanation: IPL transition: completed Standard/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1222000

Explanation: IPL transition: starting Flash/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12220FF

Explanation: IPL transition: completed Flash/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1232000

Explanation: IPL transition: starting PostDump/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12320FF

Explanation: IPL transition: completed PostDump/IplTransition-Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1242000

Explanation: IPL transition: starting Idle/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12420FF

Explanation: IPL transition: completed Idle/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1252000

Explanation: IPL transition: starting Standby/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C12520FF

Explanation: IPL transition: completed Standby/IplTransition-Ipl transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1382000

Explanation: IPL: starting HostStarted-BcuSwitched transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C13820FF

Explanation: IPL: completed HostStarted-BcuSwitched transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1392000

Explanation: IPL: starting BcuSwitched-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C13920FF

Explanation: IPL: completed BcuSwitched-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1402000

Explanation: IPL: starting Normal/fast/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14020FF

Explanation: IPL: completed Normal/fast/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1412000

Explanation: IPL: starting Normal/slow/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14120FF

Explanation: IPL: completed Normal/slow/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1422000

Explanation: IPL: starting PostDump/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14220FF

Explanation: IPL: completed PostDump/Ipl-HostStarted transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1432000

Explanation: IPL: starting Ipl-IdleTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14320FF

Explanation: IPL: completed Ipl-IdleTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1442000

Explanation: IPL: starting IdleTransition-Idle transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14420FF

Explanation: IPL: completed IdleTransition-Idle transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1452000

Explanation: IPL: starting Ipl-StandbyVerificationTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14520FF

Explanation: IPL: completed Ipl-StandbyVerificationTransition transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1462000

Explanation: IPL: starting StandbyVerificationTransition-Standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14620FF

Explanation: IPL: completed StandbyVerificationTransition-Standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1472000

Explanation: IPL: starting normal/ipl-hoststarted transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14720FF

Explanation: IPL: completing normal/ipl-hoststarted transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1482000

Explanation: IPL: starting normal/backup/ipl-hoststarted transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C14820FF

Explanation: IPL: completing normal/backup/ipl-hoststarted transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C162E402

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the service processor.

Failing Item:

- SVCPROC

C162E403

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the operator panel.

Failing Item:

- CTLPNL

C162E405

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VPD card.

Failing Item:

- CAPACTY

C162E408

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system backplane.

Failing Item:

- SYSBKPL

C162E410

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from a processor.

Failing Item:

- ANYPROC

C162E41C

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system.

Failing Item:

- CAPACTY

C162E41E

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the enclosure.

Failing Item:

- SYSBKPL

C162E420

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO backplane.

Failing Item:

- IO_HUB

C162E421

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO hub.

Failing Item:

- IO_HUB

C162E430

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from SPCN.

Failing Item:

- SVCPROC

C162E4A0

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VSBP Starting Point.

Failing Item:

- CAPACTY

C162E4D0

Explanation: If the system hangs on this checkpoint, the service processor is unable to collect VPD from memory DIMM.

Failing Item:

- MEMDIMM

C1645300

Explanation: Starting a data synchronization operation between the primary service processor and the secondary service processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645301

Explanation: Completed a data synchronization operation between the primary service processor and the secondary service processor.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645304

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645305

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1645306

Explanation: Redundancy enablement in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C16453XX

Explanation: A large data synchronization operation from the primary service processor to the secondary service processor is taking place. The last nibble (x) will toggle between 2 and 3.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1802000

Explanation: Termination: starting TerminationTransition-Termination transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C18020FF

Explanation: Termination: completed TerminationTransition-Termination transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1902000

Explanation: Power off: starting Any-Dpo transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19020FF

Explanation: Power off: completed Any-Dpo transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1912000

Explanation: Power off: starting Any-PowerOffTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19120FF

Explanation: Power off: completed Any-PowerOffTransition transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1922000

Explanation: Power off: starting PowerOffTransition-PoweredOff transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C19220FF

Explanation: Power off: completed PowerOffTransition-PoweredOff transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C02000

Explanation: Secondary VERIFICATION: starting Standby-StandbyVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C020FF

Explanation: Secondary verification: completed Standby-StandbyVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C12000

Explanation: Secondary verification: starting StandbyVerification-Standby transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C120FF

Explanation: Secondary verification: completed StandbyVerification-Standby transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C22000

Explanation: Secondary verification: starting Runtime-secondaryVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C220FF

Explanation: Secondary verification: completed Runtime-secondaryVerification transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C32000

Explanation: Secondary verification: starting secondaryVerification-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C320FF

Explanation: Secondary verification: completed secondaryVerification-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C3C218

Explanation: The service processor is polling the system power control network (SPCN) firmware looking for power fault events.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C42000

Explanation: Failover: starting failover/failover-termination transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C420FF

Explanation: Failover: completed failover/failover-termination transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C52000

Explanation: Failover: starting failover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C520FF

Explanation: Failover: completed failover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C62000

Explanation: Failover: starting failover/failover-runtime transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C620FF

Explanation: Failover: completed failover/failover-runtime transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C72000

Explanation: Failover: starting failover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1C720FF

Explanation: Failover: completed failover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CA2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-runtime transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CA20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-runtime transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CB2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CB20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-termination transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE200

Explanation: VPD collection in progress

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE2FF

Explanation: VPD collection ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE300

Explanation: Checking the status of VPD collection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE3FF

Explanation: The end of checking the status of VPD collection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE400

Explanation: VPD recollection is in progress.

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE401

Explanation: VPD recollection because of a change in the VPD is in progress

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE402

Explanation: The old VPD values are being cleared from memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE403

Explanation: The RLCA is being initialized during VPD recollection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE404

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE405

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE406

Explanation: VPD is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE407

Explanation: The recollected VPD is being validated

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE408

Explanation: The VPD tables are being rebuilt with the recollected data

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE409

Explanation: The NVRAM VPD data is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40A

Explanation: The RLCA VPD data is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40B

Explanation: The recollected RLCA VPD data is being written to memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40C

Explanation: The recollected HVAT VPD data is being written to memory

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40D

Explanation: The registers are being updated with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40E

Explanation: The module table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE40F

Explanation: The LED table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE410

Explanation: The LED table is being rewritten with the recollected VPD

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE411

Explanation: The security of the recollected VPD is being verified

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE4FE

Explanation: The state is being updated during VPD recollection

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE4FF

Explanation: The recollection of VPD is ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE500

Explanation: The VPD of a single FRU is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE600

Explanation: The VPD of a single FRU module is being recollected

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CBE6FF

Explanation: The VPD recollection from a single FRU is ending

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CC2000

Explanation: Connection monitoring failover: starting survfailover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1CC20FF

Explanation: Connection monitoring failover: completed survfailover/backup/failover-standby transition file (secondary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D22000

Explanation: Dump: starting DumpTransition-Dump transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D2200D

Explanation: Dump: calling hardware dump from DumpTransition-Dump transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D2200F

Explanation: Dump: calling main store dump from DumpTransition-Dump transition file (master)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1D220FF

Explanation: Dump: completed DumpTransition-Dump transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E82000

Explanation: Exit error: starting ExitError/Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E820FF

Explanation: Exit error: completed ExitError/Ipl transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1E92000

Explanation: Extract exit error: starting ExtractExitError/ipl transition file (master)

C1E920FF

Explanation: Extract exit error: completed ExtractExitError/ipl transition file (master)

C1EA2000

Explanation: Extract exit error: starting ExtractExitError/Backup/ipl transition file (secondary)

C1EA20FF

Explanation: Extract exit error: completed ExtractExitError/Backup/ipl transition file (secondary)

C1F120FF

Explanation: Completed rebuild of hardware model.

Response: Perform isolation procedure FSPSPC1. To locate the isolation pro cedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F22000

Explanation: Reset/reload: starting Reset/Ipl-LimitedRuntime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F220FF

Explanation: Reset/reload: completed Reset/Ipl-LimitedRuntime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F32000

Explanation: Reset/reload: starting Reset/Ipl-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F320FF

Explanation: Reset/reload: completed Reset/Ipl-Runtime transition file (primary)

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F42000

Explanation: Reset/reload: starting Reset/Ipl-TerminationTransition transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

C1F420FF

Explanation: Reset/reload: completed Reset/Ipl-TerminationTransition transition file (master).

Response: Perform isolation procedure FSPSPC1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

(C2xx) Virtual service processor progress codes

The C2xx progress codes indicate the progress of a partition IPL that is controlled by the virtual service processor.

The codes represent normal events which do not require any action to be taken. If a partition IPL stalls at a C2xxxxxx progress code, a problem has occurred. Collect all of the SRC words and contact your next level of support.

C2001000

Explanation: Partition auto-IPL during a platform IPL

C2001010

Explanation: IPL source

C2001100

Explanation: Adding partition resources to the secondary configuration

C20011FF

Explanation: Partition resources added successfully

C2001200

Explanation: Checking if IPL is allowed

C20012FF

Explanation: Partition IPL is allowed to proceed

C2001300

Explanation: Initializing ISL roadmap

C20013FF

Explanation: ISL roadmap initialized successfully

C2001400

Explanation: Initializing SP Communication Area #1

C2001410

Explanation: Initializing IPL parameters

C20014FF

Explanation: IPL parameters initialized successfully

C2002100

Explanation: Power on SPCN racks

C2002110

Explanation: Issuing a rack power on command

C200211F

Explanation: Rack power on command successful

C20021FF

Explanation: SPCN rack power on phase complete

C2002200

Explanation: Begin acquiring slot locks

C20022FF

Explanation: End acquiring slot locks

C2002300

Explanation: Begin acquiring VIO slot locks

C20023FF

Explanation: End acquiring VIO slot locks

C2002400

Explanation: Begin powering on slots

C2002450

Explanation: Waiting for power on of slots to complete

C20024FF

Explanation: End powering on slots

C2002500

Explanation: Begin power on VIO slots

C20025FF

Explanation: End powering on VIO slots

C2003100

Explanation: Validating ISL command parameters

C2003111

Explanation: Waiting for Bus object to become operational

C2003112

Explanation: Waiting for bus unit to become disabled

C2003115

Explanation: Waiting for creation of bus object

C2003150

Explanation: Sending ISL command to bus unit

C20031FF

Explanation: Waiting for ISL command completion

C20032FF

Explanation: ISL command complete successfully

C2003300

Explanation: Start SoftPOR of a failed ISL slot

C2003350

Explanation: Waiting for SoftPOR of a failed ISL slot

C20033FF

Explanation: Finish SoftPOR of a failed ISL slot

C2004100

Explanation: Waiting for load source device to enlist

C2004200

Explanation: Load source device has enlisted

C2004300

Explanation: Preparing connection to load source device

C20043FF

Explanation: Load source device is connected

C2005100

Explanation: Preparing to initiate MSD phase

C2005110

Explanation: Loading SID 82 from load source device

C2005115

Explanation: MSD Phase I

C2005120

Explanation: Writing processor registers into SID 82

C2005125

Explanation: MSD Phase II

C2005130

Explanation: Writing main store pages to the load source device

C2005133

Explanation: Writing hardware page table to the load source device

C2005135

Explanation: MSD Phase III

C2005140

Explanation: Storing (final) SID 82 back to the load source device

C2005150

Explanation: Allocating the hardware page table

C20051FF

Explanation: MSD processing complete

C2006000

Explanation: Locating First LID information on the load source

C2006005

Explanation: Clearing all partition main store

C2006010

Explanation: Locating Next LID information on the load source

C2006020

Explanation: Verifying LID information

C2006030

Explanation: Priming LP Configuration LID

C2006040

Explanation: Preparing to initiate LID load from load source

C2006050

Explanation: LP Configuration LID primed successfully

C2006060

Explanation: Waiting for LID load to complete

C20060F0

Explanation: The license information document (LID) was read without the aid of a input output processor (IOP).

C2006100

Explanation: LID load completed successfully

C2006200

Explanation: Loading raw kernel memory image

C20062FF

Explanation: Loading raw kernel memory image completed successfully

C2007100

Explanation: Disconnecting from load source device

C2007103

Explanation: Removing load source device from LID Manager object

C2007105

Explanation: Preparing to remove the load source IP from the primary partition

C2007110

Explanation: Preparing to remove the load source IOP from the primary partition

C2007120

Explanation: Non-load source IOP has been successfully removed from the primary partition

C2007125

Explanation: Load source IOP has been successfully removed from the primary partition

C2007130

Explanation: Calling fatal error on the Transport Manager bus unit object

C20071FF

Explanation: Load source is successfully disconnected

C2008040

Explanation: Begin transfer slot locks to partition

C2008060

Explanation: End transfer slot locks to partition

C2008080

Explanation: Begin transfer VIO slot locks to partition

C20080A0

Explanation: End transfer VIO slot locks to partition

C20080FF

Explanation: Hypervisor low level session manager object is ready

C2008100

Explanation: Initializing SP Communication Area #2

C2008104

Explanation: Loading data structures into main store

C2008110

Explanation: Initializing event paths

C2008120

Explanation: Starting processors

C2008130

Explanation: Begin associate of system ports.

C2008138

Explanation: Associating system ports to the RPA partition.

C200813F

Explanation: End associate of system ports.

C20081FF

Explanation: Processors started successfully, now waiting to receive the continue acknowledgement from System Licensed Internal Code

C2008200

Explanation: Continue acknowledgement received from System Licensed Internal Code

C20082FF

Explanation: VSP IPL complete successfully

C200XXXX

Explanation: Any other Virtual Service Processor Progress Code not listed here.

(C3xx, C5xx, C6xx) IPL status progress codes

A server that stalls during an initial program load (IPL) of the operating system indicates a problem with the operating system code or hardware configuration.

In this case, your only service action is to call your next level of support. If the problem is in the operating system code or hardware configuration, exchanging any hardware FRU will not fix the problem.

Notes:

- The following table contains the C3xxxxxx, C5xxxxxx, and C6xxxxxx IPL status progress codes. Some of these codes can appear on your control panel or management console display. Depending on the system activity and disk configuration the duration of time that each code is displayed can vary. Eventually the system will continue to the next progress code until the IPL status is complete, or if an error is detected an SRC other than a C3xxxxxx, C5xxxxxx, or C6xxxxxx will be displayed.
- There are instances when multiple tasks might be happening at the same time, so the progress code on the panel may not reflect the code module having problems.

The mode of the IPL (A, B, or D) determines, in part, which status SRCs are displayed. The different types of IPL use different progress codes, so you will not see all of the progress codes in the table below when you perform an IPL.

The list of IPL status progress codes uses the following format:

- The message number contains characters that represent a particular action your server performs during initialization of the supported operating system.
- The description identifies the action or procedure that produced the progress code.

C3YXXXXX

Explanation: System Processor or Main Storage Diagnostic in progress.

C500C901

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C920

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C92B

Explanation: Waiting for console device - error condition only if console not found.

C500C92F

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C930

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C935

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C936

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C93F

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C940

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C941

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C945

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C947

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C94F

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C950

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C95F

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C960

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C96F

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C970

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C980

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C981

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C999

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500C9F0

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E200

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E201

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E204

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E208

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E210

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E218

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E220

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E228

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E238

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E240

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E248

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E250

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E258

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E260

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E268

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E270

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E278

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E280

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E288

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E28C

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E299

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C500E2D0

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C5YXXXXX

Explanation: Licensed Internal Code system hardware initialization.

C6001800

Explanation: Licensed Internal Code SPCN setup.

C6003900

Explanation: SP transfer control of Bus 1 (BCU Switch) to Licensed Internal Code is Complete and Licensed Internal Code Machine Facilities component is initialized. IPL of Bus 1 is in progress.

C6003910

Explanation: Licensed Internal Code has initiated PCI Bus Reset to all Bus 1 devices except the SP.

C6003911

Explanation: Licensed Internal Code has initiated self test of all Bus 1 devices except the SP.

C6003912

Explanation: Licensed Internal Code is initiating IPL of the Load Source IOP, waiting for the IOP to signal internal reset complete (Immediate Status Acknowledge Bit set to '1').

C6003913

Explanation: Licensed Internal Code is initializing the Load Source IOP messaging functions.

C6003914

Explanation: Licensed Internal Code has detected a Load Source IOP problem and is resetting the IOP, or the IOP has requested a reset after an internal Flash memory Licensed Internal Code update.

C6003915

Explanation: Licensed Internal Code has initiated the Load Source IOP self-load.

C6003916

Explanation: During self-load, the Load Source IOP signalled Licensed Internal Code that it is initiating an internal Flash Memory update or other critical function.

C6003917

Explanation: The Load Source IOP has completed IPL of its operational load, Licensed Internal Code is waiting for the IOP to report its attached IO resources. This is the last progress code normally displayed regarding Load Source IPL.

C60039XX

Explanation: The typical sequence for an A/B mode IPL is 3900, 3910, 3911 (warm IPL only), 3912 (warm IPL only), 3913, 3915, 3917, and then other System Licensed Internal Code IPL progress codes. The others are seen when an IOP flash update occurs, usually on a D mode and possibly on a side (source) switch between A and B.

C6004001

Explanation: Static paging.

C6004002

Explanation: Start limited paging, call LID manager.

C6004003

Explanation: Initialize IPL/Termination (IT) data area / set up node address communication area (NACA) pointer.

C6004004

Explanation: Check and update MSD SID.

C6004005

Explanation: Initialize event management is executing.

C6004006

Explanation: IPL all buses.

C6004007

Explanation: Start SLID.

C6004008

Explanation: Initialize I/O service.

C6004009

Explanation: Initialize I/O machine.

C6004010

Explanation: Initialization step.

C6004011

Explanation: Initialize remote services.

C6004012

Explanation: Initialize RMAC component data values.

C6004013

Explanation: Initialize context management.

C6004014

Explanation: Initialize RM (component) seize lock.

C6004015

Explanation: Initialize MISR.

C6004016

Explanation: Set time of day.

C6004017

Explanation: Initialize RM (component) process management.

C6004018

Explanation: Initialize error log.

C6004019

Explanation: Re-initialize the service processor.

C6004020

Explanation: Initialize machine services.

C6004021

Explanation: Initialize performance data collector.

C6004022

Explanation: Initialize event management.

C6004023

Explanation: Create MI boundary manager tasks.

C6004024

Explanation: Disable CPM.

C6004025

Explanation: Initializes battery test.

C6004026

Explanation: Hardware card checkout.

C6004027

Explanation: IBM i IPL status SRC. LIC and hardware initialization.

C6004028

Explanation: Start DST.

C6004029

Explanation: Make IPL task not critical.

C6004030

Explanation: Free static storage.

C6004031

Explanation: Destroy IPL task, DST has been started.

C6004033

Explanation: Guest Partition Virtual I/O Initialization Complete.

C6004050

Explanation: Storage management recovery is executing.

C6004051

Explanation: Start LOG is executing.

C6004052

Explanation: Trace table initialization is executing.

C6004053

Explanation: Context rebuild is executing. Module called: #RCRBCTX.

C6004054

Explanation: Start Product Activity Log and APPN is executing.

C6004055

Explanation: Authority recovery is executing.

C6004056

Explanation: Journal recovery is executing.

C6004057

Explanation: Data base recovery is executing.

C6004058

Explanation: Journal synchronization is executing.

C6004059

Explanation: Commit recovery is executing.

C6004060

Explanation: Data base initialization is executing.

C6004061

Explanation: Journal IPL clean up is executing.

C6004062

Explanation: Commit initialization is executing.

C6004064

Explanation: System Object Model (SOM) recovery is executing.

C6004065

Explanation: Start operating system is executing.

C6004072

Explanation: Storage Management Recovery is complete.

C6004073

Explanation: Queueing was notified that full paging is available.

C6004074

Explanation: Breakpoint Manager initialization phase 2 complete.

C6004075

Explanation: Volume stats initialized.

C6004076

Explanation: Lid Manager was notified that full paging is available.

C6004077

Explanation: Recovery directory structure created.

C6004078

Explanation: Link loader was notified that full paging is available.

C6004079

Explanation: Clean up SLIC install structures.

C600407A

Explanation: Initialize database storage.

C600407B

Explanation: Initialize IFS storage.

C600407C

Explanation: HRI was notified that full paging is available.

C600407D

Explanation: Authority was notified that full paging is available.

C600407E

Explanation: Initialize I/O structures.

C600407F

Explanation: Initialize cryptography structures.

C6004100

Explanation: Searching for Load Source Candidate (D-mode only).

C6004101

Explanation: Opening media-file to install Licensed Internal Code service displays with proper National Language Version.

C6004102

Explanation: Loading and linking from media-file to install Licensed Internal Code service displays with proper National Language Version.

C60041F0

Explanation: Removable Media IOPless LoadSource Detected.

C60041F1

Explanation: Removable Media Load Source Activation Status.

C60041F2

Explanation: Removable Media NFS Backed Load Source mount of NFS Directory.

C60041F3

Explanation: Removable Media NFS Backed Load Source activation.

C60041F4

Explanation: Removable Media Load Source HWD enrolled with LID MGR.

C60041F5

Explanation: Error reported by removeable media load source.

C6004201

Explanation: Storage management recovery.

C6004204

Explanation: Synchronization of mirrored MSD.

C6004205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6004240

Explanation: Reclaim main storage.

C6004250

Explanation: Storage management subset directory recovery.

C6004255

Explanation: Defragmentation utility.

C6004260

Explanation: Storage management directory recovery.

C6004272

Explanation: ASP overflow recovery.

C6004275

Explanation: Moving data on Load Source to increase reserved area.

C6004300

Explanation: Static paging is available for the link/loader.

C6004301

Explanation: Applying temporary PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004302

Explanation: Applying modules. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004303

Explanation: Temporarily applied PTFs have reached the static paging phase.

C6004304

Explanation: Delayed LID is being requested.

C6004305

Explanation: Delayed LID has loaded successfully.

C600432A

Explanation: Resolving references to run Mode A. The system can be safely terminated while this work is being done.

C600432B

Explanation: Resolving references to run Mode B. The system may be safely terminated while this work is being done.

C6004330

Explanation: Full paging is available; workstation HRI processing.

C6004331

Explanation: Freeing unused nucleus pages.

C6004332

Explanation: Permanently applying PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004400

Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.

C6004401

Explanation: Some DASD failed to report in.

C6004402

Explanation: Storage Management Recovery started.

C6004403

Explanation: Storage Management Recovery ended.

C6004404

Explanation: Licensed Internal Code log started. If Auto Copy in progress, xx is the percent complete. Module called: MsdStartSf.

C6004405

Explanation: Dump auto copy completed successfully. Module called: MsdStartSf.

C6004406

Explanation: Shutdown/Programmed IPL started (MSD related). Module called: MsdStartSf, MsdInit.

C6004500

Explanation: Verifying network attributes.

C6004501

Explanation: Looking for the console.

C6004502

Explanation: Starting DST display task (SSP only).

C6004503

Explanation: Checking possible MRI on media (SSP only).

C6004504

Explanation: Verifying system serial number.

C6004505

Explanation: Verifying system type.

C6004506

Explanation: Verifying system-unique ID.

C6004507

Explanation: Starting 'before DST' DASD checker.

C6004508

Explanation: Verifying system password (if DASD check OK).

C6004509

Explanation: Starting DASD migration function (only if migrating).

C600450A

Explanation: Starting 'after DST' DASD checker.

C6004A57

Explanation: Parallel database recovery and is at Pass 1.

C6004A60

Explanation: Parallel database initialization is at Pass 1.

C6004B57

Explanation: Parallel database recovery is at Pass 2.

C6004B60

Explanation: Parallel database initialization is at Pass 2.

C6004C57

Explanation: Parallel database recovery is at Pass 3.

C6004C60

Explanation: Parallel database initialization is at Pass 3.

C6004F57

Explanation: The system is recovering all database objects. This step can take several hours.

C6004F60

Explanation: The system is examining all objects during database initialization.

C6xx1800

Explanation: Licensed Internal Code SPCN setup.

C6xx4205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6xx4400

Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.

C6xx4404

Explanation: Licensed Internal Code log started. If Auto Copy in progress, xx is the percent complete. Module called: MsdStartSf.

(C7xx) Server firmware IPL status progress codes

A server that stalls during an initial program load (IPL) of the server firmware indicates a problem with the server firmware code.

Server firmware IPL status progress codes enable your service provider and next level of support to more easily identify the server firmware component causing the problem.

Note: If the problem is in the server firmware code, exchanging any hardware FRU will not fix the problem.

C7004091

Explanation: This is the final IPL status progress code to be displayed before the system reaches standby state. When standby is reached, C7004091 will no longer be displayed.

C700XXXX

Explanation: If the system stalls during an initial program load (IPL) of the server firmware, a problem has occurred with the server firmware code. Exchanging any hardware FRU will not fix the problem.

Problem determination: Collect information on words 3 and 4 of the SRC, and call your next level of support.

(C9xx) IPL status progress codes

Learn about IPL status progress codes that have a format of C9xxxxxx.

As your server performs an IPL, the control panel displays progress codes that indicate the status of the IPL. Often, you can use these progress codes to help you perform problem analysis. The following list offers information on the IPL status progress codes that have a format of C9xxxxxx.

C9002810

Explanation: Reclaim machine context.

C9002820

Explanation: Resolve system objects.

C9002825

Explanation: Convert Work Control Block Table.

C9002830

Explanation: System value object.

C90028C0

Explanation: Prepare SPCF job.

C90028C5

Explanation: Initialize system objects.

C9002910

Explanation: Start system logging.

C9002920

Explanation: Library and object information repository (OIR) cleanup.

C9002925

Explanation: Verify POSIX** root directories.

C9002930

Explanation: Database cross-reference.

C9002940

Explanation: Console configuration.

C9002950

Explanation: Install complex objects.

C9002960

Explanation: Sign on processing.

C9002965

Explanation: Software Management Services (SMS) initialization.

C9002967

Explanation: Applying PTFs.

C9002968

Explanation: IPL options.

C9002970

Explanation: Database recovery part 1, journal recovery part 1.

C9002973

Explanation: This recovery step attempts to perform any needed recovery for database files that were being changed, created or deleted when an abnormal system end occurred.

C9002976

Explanation: This recovery step verifies the object recovery list performs any needed recovery for journals and journal receivers.

C9002978

Explanation: This progress code displays after progress codes C9002A70 through C9002976 have been completed.

C9002980

Explanation: Storage requirements.

C9002990

Explanation: Performance adjustments.

C90029A0

Explanation: System control block.

C90029B0

Explanation: Spool initialization.

C90029C0

Explanation: Work control block table.

C9002A80

Explanation: Before starting system jobs.

C9002A85

Explanation: Bringing up POSIX SAG.

C9002A87

Explanation: POSIX SAG restart and signals initialization.

C9002A90

Explanation: Starting system jobs.

C9002A95

Explanation: Abnormal Work Control Block Table cleanup.

C9002AA0

Explanation: Damage notification.

C9002AA1

Explanation: This recovery step either rolls back or completes certain uncompleted database operations that were run under commitment control.

C9002AA2

Explanation: This recovery completes certain journal operations that were in progress when the system ended processing.

C9002AA3

Explanation: This recovery sends messages to QHST for database files that may have been damaged by a system end.

C9002AA4

Explanation: This progress code displays after progress codes C9002AA0 - C9002AA3 have been completed.

C9002AA5

Explanation: Integrated File System/New File System (NFS) directory recovery.

C9002AAA

Explanation: IPL status SRC for spool initialization part 2.

C9002AAC

Explanation: Integrated File System conversion.

C9002AB0

Explanation: Database recovery part 2.

C9002AC0

Explanation: Document Library Object (DLO) recovery.

C9002B10

Explanation: Establish event monitors.

C9002B30

Explanation: QLUS job.

C9002B40

Explanation: Device configuration.

C9002C10

Explanation: After system arbiter.

C9002C20

Explanation: SNADS recovery.

C9002C25

Explanation: ZMF component (Mail Enablement (OeDS) Framework) recovery.

C9002C40

Explanation: Work Control Block Table cleanup.

C9002CF0

Explanation: Reclaim storage.

C9002F00

Explanation: IPL complete.

(CAxx) Partition firmware progress codes

Partition firmware progress codes offer information about the progress of partition firmware as it is initializing.

In some cases, a server might hang (or stall) at one of these progress codes without displaying an 8-character system reference code (SRC). Only during such a hang condition should you take any service action related to the progress code.

Note: If the control panel displays more than eight characters, use only the first eight characters to find the error in the list. Characters that display after the first eight represent a location code that assists you in diagnosing the problem.

CA000000

Explanation: Process control now owned by partition firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000020

Explanation: Checking the firmware levels

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000030

Explanation: Attempting to establish a communication link by using lpevents

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000032

Explanation: Attempting to register lpevent queues

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000034

Explanation: Attempting to exchange cap and allocate lpevents

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000038

Explanation: Attempting to exchange virtual continue events

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000040

Explanation: Attempting to obtain RTAS code lid details

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000050

Explanation: Attempting to load RTAS firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000060

Explanation: Attempting to obtain open firmware details

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000070

Explanation: Attempting to load open firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000080

Explanation: Preparing to start open firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000090

Explanation: Open firmware package corrupted (phase 1).

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA000091

Explanation: Attempting to load open firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA0000A0

Explanation: Open firmware package corrupted (phase 2)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D001

Explanation: PCI probe completed, create PCI bridge interrupt routing properties

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D002

Explanation: PCI adapter nvram hint created; system is rebooting

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D003

Explanation: PCI probing complete

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00D004

Explanation: Start of install-console, loading GUI package

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D008

Explanation: Initialize console and flush queues

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D00C

Explanation: The partition firmware is about to search for an NVRAM script.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- NEXTLVL

CA00D00D

Explanation: Evaluating NVRAM script.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D010

Explanation: First pass open firmware initialization complete; establish parameters for restart

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D011

Explanation: First pass open firmware initialization complete; control returned to initialization firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D012

Explanation: Second pass open firmware initialization complete; control returned to initialization firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D013

Explanation: Run-time open firmware initialization complete; control returned to initialization firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D020

Explanation: The partition firmware is about to download and run the SLIC loader

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00D021

Explanation: The partition firmware is about to download and run the I/O reporter to collect VPD

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E101

Explanation: Create RTAS node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E102

Explanation: Load/initialize RTAS

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E105

Explanation: Transfer control to the operating system (normal boot)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E10A

Explanation: Load RTAS device tree

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E10B

Explanation: Set RTAS device properties

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E110

Explanation: Create the kdump properties

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E130

Explanation: Build device tree

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E131

Explanation: Create the root node properties

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E134

Explanation: Create memory node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E135

Explanation: Create HCA node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E136

Explanation: Create BSR node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E137

Explanation: Create HEA node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E138

Explanation: Create options node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E139

Explanation: Create aliases node and system aliases

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E13A

Explanation: Create packages node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E13B

Explanation: Create HEA node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E13C

Explanation: Create HEA port node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E13D

Explanation: Create high frequency interface (HFI) IO hub node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E13E

Explanation: Create high frequency interface (HFI) Ethernet node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E140

Explanation: Loading the operating system

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E141

Explanation: Synchronize the operating system bootlist to the management module bootlist

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E142

Explanation: Management module bootlist is being set from the operating system boot list

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E143

Explanation: Operating system bootlist is being set from the management module bootlist

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E149

Explanation: Create boot mgr node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E14C

Explanation: Create terminal emulator node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E14D

Explanation: Load boot image

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E150

Explanation: Create host (primary) PCI controller node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E151

Explanation: Probing PCI bus

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E152

Explanation: Probing for adapter FCODE; evaluate if present

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E153

Explanation: End adapter FCODE probing and evaluation

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E154

Explanation: Create PCI bridge node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E155

Explanation: Probing PCI bridge secondary bus

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E156

Explanation: Create plug-in PCI bridge node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E157

Explanation: Probe for virtual function (VF) Fcode; evaluate if present

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E158

Explanation: End probing for, and evaluation of, for virtual function (VF) Fcode

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E15B

Explanation: Transfer control to Operating System (service mode boot)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E15F

Explanation: Adapter VPD evaluation

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E170

Explanation: Start of PCI BUS probe

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E172

Explanation: First pass PCI device probe

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E174

Explanation: Establishing host connection

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWHOST

CA00E175

Explanation: BootP request

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWHOST

CA00E176

Explanation: TFTP file transfer

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E177

Explanation: Transfer failure due to TFTP error condtion

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E178

Explanation: Initiating TFTP file transfer

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E179

Explanation: Closing BOOTP

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E17B

Explanation: Processor clock speed measurement

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- NEXTLVL

CA00E198

Explanation: Rebooting partition to enact changes specified in ibm,client-archtiecture-support.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E199

Explanation: The partition is rebooting to enact changes that were specified the ELF header of the boot image.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E19A

Explanation: NVRAM auto-boot? variable not found - assume FALSE

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E19B

Explanation: NVRAM menu? variable not found - assume FALSE

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E19D

Explanation: Create NVRAM node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E19E

Explanation: Real-time clock (RTC) initialization

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A0

Explanation: User requested boot to SMS menus by using keyboard entry

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A1

Explanation: User requested boot to open firmware prompt by using keyboard entry

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A2

Explanation: User requested boot using default service mode boot list by using keyboard entry

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A3

Explanation: User requested boot using customized service mode boot list by using keyboard entry

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A4

Explanation: User requested boot to SMS menus by using the Hardware Management Console or a service processor command

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A5

Explanation: User requested boot to open firmware prompt by using the HMC or a service processor command

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A6

Explanation: User requested boot using default service mode boot list by using the HMC or a service processor command

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1A7

Explanation: User requested boot using customized service mode boot list by using the HMC or a service processor command.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1AA

Explanation: System boot check for NVRAM Settings

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1AB

Explanation: System booting using the default service mode boot list

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1AC

Explanation: System booting using the customized service mode boot list

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1AD

Explanation: System booting to the operating system

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1AE

Explanation: System booted to SMS multiboot menu by using NVRAM settings

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWMBOOT

CA00E1AF

Explanation: System booted to SMS utilities menu by using NVRAM settings

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1B0

Explanation: Process HMC-specified boot device specifier

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1B1

Explanation: System booting with HMC or hosting-partition directed boot-device repair

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1B2

Explanation: XOFF received, waiting for XON

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWVTHMC

CA00E1B3

Explanation: XON received

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1B4

Explanation: HMC or hosting-partition directed boot-string did not load an operating system repair

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- NEXTLVL

CA00E1B5

Explanation: Checking for iSCSI disk aliases

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1D0

Explanation: Create PCI SCSI node

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1D3

Explanation: Create SCSI block device node (SD)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1D4

Explanation: Create SCSI byte device node (ST)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1DC

Explanation: On a Linux or AIX system or partition, the partition firmware (the System Management Services, or SMS) is waiting for a firmware console to be selected. If the system is managed by a management console, open a VTERM and select it as the console. If the system is not managed by a management console, insure that a console is attached, then select that console when prompted.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWCONS

CA00E1DD

Explanation: A graphics adapter was selected as the firmware console, but the USB keyboard is not attached.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWCONS

CA00E1F0

Explanation: Start out-of-box experience

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1F1

Explanation: Start selftest sequence on one or more devices

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1F5

Explanation: Build boot device list

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E1F6

Explanation: Determine boot device sequence

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E1F7

Explanation: Boot invalid or stopped

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E1F8

Explanation: Build boot device list for SCSI adapters (displays the location code of the SCSI adapter being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1F9

Explanation: Build boot device list for Fibre Channel adapters (displays the location of the SAN adapter being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1FA

Explanation: Building device list for SCSI adapters (displays the device ID and device LUN of the devices being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1FB

Explanation: Scan SCSI bus for attached devices

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWSCSIH

CA00E1FC

Explanation: Build boot device list for SSA adapters (displays the location code of the SSA adapter being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA00E1FE

Explanation: Building device list for Fibre Channel (SAN) adapters (displays the WWPN of the fibre-channel adapter being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E1FF

Explanation: Build device list for Fibre Channel (SAN) adapters (displays the LUN for each device being scanned)

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA00E440

Explanation: Validate NVRAM, initialize partitions as needed

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E441

Explanation: Generate /options node NVRAM configuration variable properties

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E442

Explanation: Validate NVRAM partitions

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E443

Explanation: Generate NVRAM configuration variable dictionary words

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E444

Explanation: NVRAM size is less than 8K bytes

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E701

Explanation: Create memory VPD

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E800

Explanation: Initialize gdata for the control (operator) panel

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E820

Explanation: Initializing lpevent

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E830

Explanation: Initializing event scan

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E840

Explanation: Initializing hot plug

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E843

Explanation: Initializing interface/aix access

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E850

Explanation: Initializing dynamic reconfiguration

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E860

Explanation: Initializing sensors

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E865

Explanation: Initializing VPD

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E870

Explanation: Initializing pfds memory manager

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E875

Explanation: Initializing rtas_last_error

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E876

Explanation: Initializing rtas_error_inject

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E877

Explanation: Initialize dump interface

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E879

Explanation: Initialize the platform-assisted kdump interface

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E880

Explanation: Send firmware version data to the hypervisor

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E885

Explanation: Initializing set-power-level

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E886

Explanation: Initializing exit2c

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E887

Explanation: Initialize gdata for activate_firmare

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E890

Explanation: Starting to initialize open firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E891

Explanation: Finished initializing open firmware

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00E8A0

Explanation: Initializing the pinned page manager

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA00EAA1

Explanation: Probe PCI-PCI bridge bus

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWPCI5

CA060203

Explanation: An alias was modified or created

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA160100

Explanation: Enumerating USB devices.

Response: No repair action steps prior to working the failing item list.

Problem determination: Check for system firmware update.

CA26FFFF

Explanation: An extended amount of time was required while waiting for lpevent to complete.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA26TTSS

Explanation: Waiting for lpevent of type tt and subtype ss

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

Failing Item:

- FWFLASH

CA279001

Explanation: The firmware update image contains an update module that is not present in the current image.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA2799FD

Explanation: The service processor is receiving a server firmware update module

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA2799FF

Explanation: The service processor is writing a server firmware update module.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

CA330005

Explanation: Unable to repair Memory Chain Corruption.

Response: No repair action steps prior to working the failing item list.

Problem determination:

- Collect a Partition Resource Dump
- Check for and apply any System Firmware update
- Contact your next level of support for assistance.

CA360001

Explanation: Entered H-HFI-VERIFY-INTERFACE-STATE method to check the interface state for an HFI unit id. The wait time may be as long as 1 hour and 15 mins. No intervention is required; do not power off the CEC.

Response: No repair action steps prior to working the failing item list.

Problem determination: No additional problem determination.

(CF00) Linux kernel boot progress codes

CF000012

Explanation: Set up initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000015

Explanation: Set up is complete.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000020

Explanation: External interrupt controller server initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000021

Explanation: External interrupt controller server complete.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000100

Explanation: Memory manager initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

(D1xx) Service processor firmware progress codes

A D1xx reference code indicates that an event or exception occurred in service processor firmware.

To resolve any D1xx reference code, determine if the SRC requires a service action or if it is for tracking purposes only.

Diagnostics analyze an event when it occurs to determine if the event requires service or if the event will only be recorded for tracking purposes and future reference. The determination is based on machine type, model, installed features, configuration, topology and activations at the time of the event.

If you do not find the SRC in a serviceable event view then it is a tracking event only and does not require service. Tracking events appear as **informational** or **Misc.** or **temp** in the Advanced System Manage Interface (ASMI).

D1XXC351

Explanation: The CEC server firmware aborted.

Response: Determine if this is a tracking or serviceable event. If this is a tracking event, no service actions are required. Otherwise, use the FRU and procedure callouts detailed with the SRC to determine service actions.

D1XXCA01

Explanation: Informational message: Items that were deconfigured by the system were guarded out.

D1XXCA02

Explanation: Informational message: items that were deconfigured by the user via the ASMI menus were guarded out.

D1XXCA03

Explanation: Informational message: The guard data has been cleared.

D1XXCA04

Explanation: Informational message: There is a new version of the guard data.

D1XXCA05

Explanation: Informational message: The guard data was corrupted, and has been rebuilt.

D1XXCA06

Explanation: Informational message: There was an error when opening a file.

D1XXCA07

Explanation: Informational message: There was an error when reading a file.

D1XXCA08

Explanation: Informational message: There was an error when writing a file.

D1XXCA09

Explanation: Informational message: There was an error when closing a file.

D1XXCA0A

Explanation: Informational message: There was an li nk file error.

D1XXCA0B

Explanation: Informational message: Failure when setting the DIMM status in the hardware object manager.

D1XXCA0C

Explanation: Informational message: Failure when setting the status of a device other than a DIMM.

D1XXCA0D

Explanation: Informational message: Failure when reading the system type.

D1XXCA0E

Explanation: Informational message: Failure when reading a registry entry.

D1XXCA0F

Explanation: Informational message: Failure when getting VPD data.

D1XXCA10

Explanation: Informational message: Items that had been guarded out were recovered.

D1XXCA11

Explanation: Informational message: The resource ID was not found in the list.

D1XXCA12

Explanation: Informational message: Manual configuration or deconfiguration is not allowed.

D1XXCA13

Explanation: Informational message: The buffer size is invalid.

D1XXCA14

Explanation: Informational message: Unable to return a valid guard state for the requested resource.

D1XXCA15

Explanation: Informational message: The guard action that was requested is not allowed.

D1XXCA16

Explanation: Informational message: Items that were deconfigured by the system (but are eligible for resource recovery) were guarded out.

(D1xx) Service processor status progress codes

D1xx status reference codes, posted by the service processor, offer information about the state of the service processor during a power-off operation.

D1XX900C

Explanation: Breakpoint set in CPU controls has been hit

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXB0FF

Explanation: Request to initiate power-off program has been sent

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC000

Explanation: Indicates a message is ready to send to the server firmware to power off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC001

Explanation: Waiting for the server firmware to acknowledge the delayed power off notification

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC002

Explanation: Waiting for the server firmware to send the power off message

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XXC003

Explanation: Server firmware handshaking is complete

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

(D1xx) Service processor dump status progress codes

D1xx service processor dump status codes

Service processor dump status codes use the format of D1yy1xxx, where:

- yy indicates the type of data that is being dumped.
- xxx is a counter that increments each time the server stores 4K of data. When these codes occur during a service processor dump, they appear in the control panel display.

D1001XXX

Explanation: Dump error data

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1011XXX

Explanation: Dump sai_header Hardware Management Console (HMC) file

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D101C00F

Explanation: No power off to allow debugging for CPU controls

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1021XXX

Explanation: Dump sai_header directory

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1031XXX

Explanation: Dump sai_header fips header

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1041XXX

Explanation: Dump sai_header entry header

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1051XXX

Explanation: Dump core file for failing component

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1061XXX

Explanation: Dump all NVRAM

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1071XXX

Explanation: Dump component trace for failing component

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1081XXX

Explanation: Dump component data from /opt/p0

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1091XXX

Explanation: Dump /opt/p1//*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1111XXX

Explanation: Dump /opt/p0/*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1121XXX

Explanation: Dump /opt/p1/*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1131XXX

Explanation: Dump all traces

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1141XXX

Explanation: Dump code version

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1151XXX

Explanation: Dump all /opt/p3 except rtbl

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1161XXX

Explanation: Dump pddcustomize -r command

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1171XXX

Explanation: Dump registry -l command

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1181XXX

Explanation: Dump all /core/core.* files

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1191XXX

Explanation: Dump BDMP component trace (after dump if enough space)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11A1XXX

Explanation: Dump any state information before dumping starts

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11B1XXX

Explanation: Dump /proc filesystem.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11C1XXX

Explanation: Dump mounted filesystem statistics.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11D1XXX

Explanation: Dump environment.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1231XXX

Explanation: Dump update dump headers

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1241XXX

Explanation: Dump CRC1 calculation off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1251XXX

Explanation: Dump CRC1 calculation on

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1261XXX

Explanation: Dump CRC2 calculation off

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1271XXX

Explanation: Dump CRC2 calculation on

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1281XXX

Explanation: Dump output the calculated CRC1 (sai_headers)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1291XXX

Explanation: Dump output the calculated CRC2 (data and data headers)

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12A1XXX

Explanation: Jump to the position in dump directly after CRC1

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12B1XXX

Explanation: Initialize the headers dump time and serial numbers

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12C1XXX

Explanation: Display final SRC to panel

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12D1XXX

Explanation: Remove /core/core.app.time.pid

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12E1XXX

Explanation: Remove /core/core.*

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12F1XXX

Explanation: Display beginning SRC to panel

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1301XXX

Explanation: Turn off error log capture into dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1311XXX

Explanation: Turn on error log capture into dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1321XXX

Explanation: Store information about existing core files

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1381XXX

Explanation: Invalidate the dump

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1391XXX

Explanation: Check for valid dump sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13A1XXX

Explanation: Get dump identity sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13B1XXX

Explanation: Get dump length sequence

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1FF1XXX

Explanation: Dump complete

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

(D1xx) Platform dump status progress codes

D1xx platform dump status codes

Platform dump status codes use the format of D1xx3yzz, where:

- xx is the cage or node ID that the dump component is processing. This varies depending on the node the hardware data is being collected from. It will be set to 0xFF when collecting the mainstore memory data.
- y increments from 0x0 to 0xF (to indicate that the system is not hung).
- zz is the command that is being processed (see the list below).

D1XX3Y01

Explanation: Get SCOM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y02

Explanation: Get scan ring.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y03

Explanation: Get array values.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y04

Explanation: Stop the clocks.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y05

Explanation: Flush the cache.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y06

Explanation: Get CFAM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y07

Explanation: Put SCOM.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y08

Explanation: Send command.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y09

Explanation: Get optimized cache.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0A

Explanation: Get GP register.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0B

Explanation: Processor clean-up.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0C

Explanation: Get JTAG register.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3Y0D

Explanation: Stop clocks without quiescing.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF0

Explanation: Memory collection set-up.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF1

Explanation: Memory collection DMA step.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1XX3YF2

Explanation: Memory collection cleanup.

Response: Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

(D2xx) Partition status progress codes

D2xxxxxx progress codes are posted by the Virtual Service Processor (VSP) when powering down a partition.

D200A100

Explanation: Received MSD SP attention

D200A110

Explanation: Received CPM SP attention

D200A120

Explanation: Received LL SP attention

D200A130

Explanation: Received RPA end-of-life event

D200A200

Explanation: Begin partition power down. SRC word 3 contains the reason for the power off.

Problem determination: SRC word 3 power down reasons

- 1: White button power down (also known as delayed power off)
- 2: Partition requested power down
- 3: Partition requested end of life
- 4: System wide shutdown
- 5: Attention link loader
- 6: Attention MSD
- 7: Panel function 3 requested
- 8: Panel function 8 requested
- 9: Panel function 22 requested
- A: Panel function 34 requested

D200B050

Explanation: Begin transfer slot locks to VSP

D200B05F

Explanation: End transfer slot locks to VSP

D200B060

Explanation: Begin transfer VIO slot locks to VSP

D200B06F

Explanation: End transfer VIO slot locks to VSP

D200B070

Explanation: Begin reset slots

D200B077

Explanation: Waiting for reset slots

D200B07F

Explanation: End reset slots

D200B080

Explanation: Begin reset VIO slots

D200B08F

Explanation: End reset VIO slots

D200B090

Explanation: Begin soft POR slots

D200B097

Explanation: Waiting soft POR slots

D200B09F

Explanation: End soft POR slots

D200B100

Explanation: Sending Hypervisor reset

D200B1FF

Explanation: Hypervisor reset successfully sent

D200B200

Explanation: Begin forced LP reset (after the 1 second timeout)

D200B210

Explanation: Send CSP/FSP soft processor reset command (word 3 processor ID, word 4 thread ID)

D200B2FF

Explanation: End forced LP reset

D200B300

Explanation: Closing Hypervisor events paths

D200B310

Explanation: Deactivating panel functions

D200B3FF

Explanation: Hypervisor reset complete successfully

D200C100

Explanation: Sending Hypervisor I/O reset

D200C1FF

Explanation: Hypervisor I/O reset sent successfully

D200C200

Explanation: Deallocating events

D200C2FF

Explanation: Hypervisor I/O reset complete successfully

D200D100

Explanation: Removing partition configuration resources

D200D1FF

Explanation: Partition resources removed successfully

D200E050

Explanation: Begin power off slots

D200E057

Explanation: Waiting power off slots

D200E05F

Explanation: End power off slots

D200E060

Explanation: Begin power off VIO slots

D200E06F

Explanation: End power off VIO slots

D200E080

Explanation: Begin release slot locks

D200E08F

Explanation: End release slot locks

D200E090

Explanation: Begin release VIO slot locks

D200E09F

Explanation: End release VIO slot locks

D200E0A0

Explanation: Begin unassociate of system ports

D200E0A8

Explanation: Unassociate system ports from an RPA partition

D200E0AF

Explanation: End unassociate of system ports

D200E100

Explanation: Power off SPCN racks

D200E110

Explanation: Issuing a rack power off command

D200E120

Explanation: Rack power off command complete successfully

D200E1FF

Explanation: SPCN racks powered off phase complete

(D6xx) General status progress codes

Learn about general status progress codes with a format of D6xxxxxx.

The following list contains general status progress codes with a format of D6xxxxxx in numeric order. The xx after D6 in each progress code represents two hexadecimal numbers that further define the progress code.

D6000298

Explanation: Managed system power down started.

D6000299

Explanation: Managed system power down status.

D6000483

Explanation: Power failed; delay timer is running.

D6000484

Explanation: MI run in progress.

D600430A

Explanation: Operating system service partition power down status: indicates that a server firmware code update is in progress for the P-side (permanent) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D600430B

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress for the T-side (temporary) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D60043BA

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress to copy the server firmware from the T-side (temporary) of the managed system to the P-side (permanent).

Problem determination: Your server may display this progress code for an extended period of time. Allow the server to complete the processing. Do not interrupt this process.

D6005500

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache.

D6005501

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully.

D6005502

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache.

D6005503

Explanation: Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success.

D6xx0298

Explanation: Managed system power down started.

D6xx0299

Explanation: Managed system power down status.

D6xx0483

Explanation: Power failed; delay timer is running.

D6xx0484

Explanation: MI run in progress.

D6xx430A

Explanation: Operating system service partition power down status: indicates that a server firmware code

update is in progress for the P-side (permanent) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D6xx430B

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress for the T-side (temporary) of the managed system.

Problem determination: Your server may display this progress code for an extended period of time where the "xx" increments periodically. Allow the server to complete the processing. Do not interrupt this process.

D6xx43BA

Explanation: Operating system service partition power down status indicates that a server firmware code update is in progress to copy the server firmware from the T-side (temporary) of the managed system to the P-side (permanent).

Problem determination: Your server may display this progress code for an extended period of time. Allow the server to complete the processing. Do not interrupt this process.

D6xx5500

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache.

D6xx5501

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully.

D6xx5502

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache.

D6xx5503

Explanation: Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success.

(D9xx) General status progress codes

The D9xx progress codes indicate the progress of powering-off a partition.

Not all progress codes below apply to all operating systems.

D9002740

Explanation: Power off immediate.

D9002750

Explanation: All subsystems ended.

D9002760

Explanation: Device configuration shutdown.

D9002770

Explanation: QLUS job ending.

D9002780

Explanation: Close database cross-reference files.

D9002790

Explanation: QSYSARB job ending.

D90027C0

Explanation: System jobs are ending.

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The following Class A statements apply to the IBM servers that contain the POWER7® processor and its features unless designated as electromagnetic compatibility (EMC) Class B in the feature information.

Federal Communications Commission (FCC) statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the 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 and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or 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.

Industry Canada Compliance Statement

This Class A digital apparatus complies with Canadian ICES-003.

Avis de conformité à la réglementation d'Industrie Canada

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

European Community Compliance Statement

This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility. IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to European Standard EN 55022. The limits for Class A equipment were derived for commercial and industrial environments to provide reasonable protection against interference with licensed communication equipment.

European Community contact:
IBM Deutschland GmbH
Technical Regulations, Department M372
IBM-Allee 1, 71139 Ehningen, Germany
Tele: +49 7032 15 2941
email: lugi@de.ibm.com

Warning: This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

VCCI Statement - Japan

この装置は、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。 VCCI－A

The following is a summary of the VCCI Japanese statement in the box above:

This is a Class A product based on the standard of the VCCI Council. If this equipment is used in a domestic environment, radio interference may occur, in which case, the user may be required to take corrective actions.

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline (products less than or equal to 20 A per phase)

高調波ガイドライン適合品

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline with Modifications (products greater than 20 A per phase)

高調波ガイドライン準用品

Electromagnetic Interference (EMI) Statement - People's Republic of China

声 明

此为A级产品，在生活环境中，
该产品可能会造成无线电干扰。
在这种情况下，可能需要用户对其
干扰采取切实可行的措施。

Declaration: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may need to perform practical action.

Electromagnetic Interference (EMI) Statement - Taiwan

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。

The following is a summary of the EMI Taiwan statement above.

Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user will be required to take adequate measures.

IBM Taiwan Contact Information:

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

Electromagnetic Interference (EMI) Statement - Korea

이 기기는 업무용(A급)으로 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Germany Compliance Statement

Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse A EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse A ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der IBM empfohlene Kabel angeschlossen werden. IBM übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung von IBM verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung von IBM gesteckt/eingebaut werden.

EN 55022 Klasse A Geräte müssen mit folgendem Warnhinweis versehen werden:
"Warnung: Dieses ist eine Einrichtung der Klasse A. Diese Einrichtung kann im Wohnbereich Funk-Störungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen zu ergreifen und dafür aufzukommen."

Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem “Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)“. Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC EG Richtlinie 2004/108/EG) für Geräte der Klasse A

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
International Business Machines Corp.
New Orchard Road
Armonk, New York 10504
Tel: 914-499-1900

Der verantwortliche Ansprechpartner des Herstellers in der EU ist:
IBM Deutschland GmbH
Technical Regulations, Abteilung M372
IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 7032 15 2941
email: lugi@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse A.

Electromagnetic Interference (EMI) Statement - Russia

ВНИМАНИЕ! Настоящее изделие относится к классу А.
В жилых помещениях оно может создавать
радиопомехи, для снижения которых необходимы
дополнительные меры

Class B Notices

The following Class B statements apply to features designated as electromagnetic compatibility (EMC) Class B in the feature installation information.

Federal Communications Commission (FCC) statement

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 IBM-authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM-authorized dealers. IBM 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 this 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.

Industry Canada Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité à la réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

European Community Compliance Statement

This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility. IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication equipment.

European Community contact:
IBM Deutschland GmbH
Technical Regulations, Department M372
IBM-Allee 1, 71139 Ehningen, Germany
Tele: +49 7032 15 2941
email: lugi@de.ibm.com

VCCI Statement - Japan

この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用
することを目的としていますが，この装置がラジオやテレビジョン受信機に
近接して使用されると，受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。　　VCCI－B

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline (products less than or equal to 20 A per phase)

高調波ガイドライン適合品

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline with Modifications (products greater than 20 A per phase)

高調波ガイドライン準用品

IBM Taiwan Contact Information

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

Electromagnetic Interference (EMI) Statement - Korea

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며, 모든 지역에서 사용할 수 있습니다.

Germany Compliance Statement

Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse B ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der IBM empfohlene Kabel angeschlossen werden. IBM übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung von IBM verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung von IBM gesteckt/eingebaut werden.

Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC EG Richtlinie 2004/108/EG) für Geräte der Klasse B

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
International Business Machines Corp.
New Orchard Road
Armonk, New York 10504
Tel: 914-499-1900

Der verantwortliche Ansprechpartner des Herstellers in der EU ist:
IBM Deutschland GmbH
Technical Regulations, Abteilung M372
IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 7032 15 2941
email: lugi@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.

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