

Progress Codes

ESCALA Power7



REFERENCE
86 A1 45FF 03

ESCALA Power7

Progress Codes

The ESCALA Power7 publications concern the following models:

- Bull Escala E5-700 (Power 750 / 8233-E8B)
- Bull Escala M6-700 (Power 770 / 9117-MMB)
- Bull Escala M6-705 (Power 770 / 9117-MMC)
- Bull Escala M7-700 (Power 780 / 9179-MHB)
- Bull Escala M7-705 (Power 780 / 9179-MHC)
- Bull Escala E1-700 (Power 710 / 8231-E2B)
- Bull Escala E1-705 (Power 710 / 8231-E1C)
- Bull Escala E2-700 / E2-700T (Power 720 / 8202-E4B)
- Bull Escala E2-705 / E2-705T (Power 720 / 8202-E4C)
- Bull Escala E3-700 (Power 730 / 8231-E2B)
- Bull Escala E3-705 (Power 730 / 8231-E2C)
- Bull Escala E4-700 / E4-700T (Power 740 / 8205-E6B)
- Bull Escala E4-705 (Power 740 / 8205-E6C)

References to Power 755 / 8236-E8C models are irrelevant.

Hardware

October 2011

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REFERENCE
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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, a safety information booklet is included in the publications package shipped with the product. The booklet 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 in the booklet. You should also refer to the booklet any time you do not clearly understand any safety information in the U.S. English publications.

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:

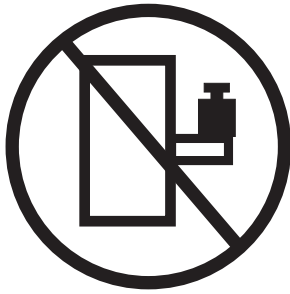
- Reduce the weight of the rack cabinet by removing equipment starting at the top of the rack cabinet. When possible, restore the rack cabinet to the configuration of the rack cabinet as you received it. If this configuration is not known, you must observe the following precautions:
 - Remove all devices 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)

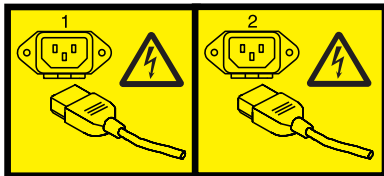
(L001)



(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 **02E6**

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

02E7 **02E7**

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

0440 **0440**

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

0441 **0441**

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

0444 **0444**

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

0447 **0447**

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

0458 **0458**

Explanation: 36 GB DAT72 Tape Drive

0459 **0459**

Explanation: 36 GB DAT72 Tape Drive

045D **045D**

Explanation: 200 GB HH LTO2 Tape drive

0500 **0500**

Explanation: Querying Standard I/O slot.

0501 **0501**

Explanation: Querying card in Slot 1.

0502 **0502**

Explanation: Querying card in Slot 2.

0503 **0503**

0504 • 0530

Explanation: Querying card in Slot 3.

0504 0504

Explanation: Querying card in Slot 4.

0505 0505

Explanation: Querying card in Slot 5.

0506 0506

Explanation: Querying card in Slot 6.

0507 0507

Explanation: Querying card in Slot 7.

0508 0508

Explanation: Querying card in Slot 8.

0510 0510

Explanation: Starting device configuration.

0511 0511

Explanation: Device configuration completed.

0512 0512

Explanation: Restoring device configuration files from media.

0513 0513

Explanation: Restoring basic operating system installation files from media.

0516 0516

Explanation: Contacting server during network boot.

0517 0517

Explanation: Mounting client remote file system during network IPL.

0518 0518

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

0520 0520

Explanation: Bus configuration running.

0521 0521

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

0522 0522

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

0523 0523

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

0524 0524

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

0525 0525

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

0526 0526

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

0527 0527

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

0528 0528

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

0529 0529

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

0530 0530

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

0531 0531

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

0532 0532

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

0533 0533

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

0534 0534

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

0535 0535

Explanation: HIPPI diagnostics interface driver being configured.

0536 0536

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

0537 0537

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

0538 0538

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

0539 0539

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

0541 0541

Explanation: A DLT tape device is being configured.

0542 0542

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

0549 0549

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

0551 0551

Explanation: IPL vary-on is running.

0552 0552

Explanation: IPL vary-on failed.

0553 0553

Explanation: IPL phase 1 is complete.

0554 0554

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

0555 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 0556

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

0557 0557

Explanation: The root file system does not mount.

0558 0558

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

0559 0559

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

0569 0569

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

0570 0570

Explanation: Virtual SCSI devices being configured.

0571 • 0594

0571 **0571**
Explanation: HIPPI common function device driver being configured.

0572 **0572**
Explanation: HIPPI IPI-3 master transport driver being configured.

0573 **0573**
Explanation: HIPPI IPI-3 slave transport driver being configured.

0574 **0574**
Explanation: HIPPI IPI-3 transport services user interface device driver being configured.

0575 **0575**
Explanation: A 9570 disk-array driver being configured.

0576 **0576**
Explanation: Generic async device driver being configured.

0577 **0577**
Explanation: Generic SCSI device driver being configured.

0578 **0578**
Explanation: Generic commo device driver being configured.

0579 **0579**
Explanation: Device driver being configured for a generic device.

0580 **0580**
Explanation: HIPPI TCP/IP network interface driver being configured.

0581 **0581**
Explanation: Configuring TCP/IP.

0582 **0582**
Explanation: Configuring Token-Ring data link control.

0583 **0583**
Explanation: Configuring an Ethernet data link control.

0584 **0584**
Explanation: Configuring an IEEE Ethernet data link control.

0585 **0585**
Explanation: Configuring an SDLC MPQP data link control.

0586 **0586**
Explanation: Configuring a QLLC X.25 data link control.

0587 **0587**
Explanation: Configuring a NETBIOS.

0588 **0588**
Explanation: Configuring a Bisync Read-Write (BSCRW).

0589 **0589**
Explanation: SCSI target mode device being configured.

0590 **0590**
Explanation: Diskless remote paging device being configured.

0591 **0591**
Explanation: Configuring an LVM device driver.

0592 **0592**
Explanation: Configuring an HFT device driver.

0593 **0593**
Explanation: Configuring SNA device drivers.

0594 **0594**
Explanation: Asynchronous I/O being defined or configured.

0595 **0595**
Explanation: X.31 pseudo-device being configured.

0596 **0596**
Explanation: SNA DLC/LAPE pseudo-device being configured.

0597 **0597**
Explanation: OCS software being configured.

0598 **0598**
Explanation: OCS hosts being configured during system reboot.

0599 **0599**
Explanation: Configuring FDDI data link control.

059B **059B**
Explanation: FCS SCSI protocol device being configured (64 bits).

05C0 **05C0**
Explanation: Streams-based hardware drive being configured.

05C1 **05C1**
Explanation: Streams-based X.25 protocol being configured.

05C2 **05C2**
Explanation: Streams-based X.25 COMIO emulator driver being configured.

05C3 **05C3**
Explanation: Streams-based X.25 TCP/IP interface driver being configured.

05C4 **05C4**
Explanation: FCS adapter device driver being configured.

05C5 **05C5**
Explanation: SCB network device driver for FCS being configured.

05C6 **05C6**
Explanation: AIX SNA channel being configured.

0600 **0600**
Explanation: Starting network boot portion of `/sbin/rc.boot`.

0602 **0602**
Explanation: Configuring network parent devices.

0603 **0603**
Explanation: `/usr/lib/methods/defsys`, `/usr/lib/methods/cfgsys`, or `/usr/lib/methods/cfgbus` failed.

0604 **0604**
Explanation: Configuring physical network boot device.

0605 **0605**
Explanation: Configuration of physical network boot device failed.

0606 **0606**
Explanation: Running `/usr/sbin/ifconfig` on logical network boot device.

0607 **0607**
Explanation: `/usr/sbin/ifconfig` failed.

0608 **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 **0609**
Explanation: The `client.info` file does not exist or it is zero length.

060B **060B**
Explanation: 18.2 GB 68-pin LVD SCSI Disk Drive being configured.

0610 • 063A

0610 **0610**

Explanation: Attempting remote mount of NFS file system.

0611 **0611**

Explanation: Remote mount of the NFS file system failed.

0612 **0612**

Explanation: Accessing remote files; unconfiguring network boot device.

0613 **0613**

Explanation: 8 mm 80 GB VXA-2 tape device

0614 **0614**

Explanation: Configuring local paging devices.

0615 **0615**

Explanation: Configuration of a local paging device failed.

0616 **0616**

Explanation: Converting from diskless to dataless configuration.

0617 **0617**

Explanation: Diskless to dataless configuration failed.

0618 **0618**

Explanation: Configuring remote (NFS) paging devices.

0619 **0619**

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

061B **061B**

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

061D **061D**

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

061E **061E**

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

0620 **0620**

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

0621 **0621**

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

0622 **0622**

Explanation: Boot process configuring for operating system installation.

062D **062D**

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

062E **062E**

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

0636 **0636**

Explanation: TURBOWAYS™ 622 Mbps PCI MMF ATM Adapter.

0637 **0637**

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

0638 **0638**

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

0639 **0639**

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

063A **063A**

Explanation: See 62D.

063B **063B****Explanation:** 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

063C **063C****Explanation:** See 60B.

063D **063D****Explanation:** 18.2 GB 80-pin LVD SCSI Disk Drive being configured.

063E **063E****Explanation:** 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

063F **063F****Explanation:** See 61B.

0640 **0640****Explanation:** 9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).

0643 **0643****Explanation:** 18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.

0646 **0646****Explanation:** High-Speed Token-Ring PCI Adapter being configured.

064A **064A****Explanation:** See 62E.

064B **064B****Explanation:** 9.1 GB 80-pin LVD SCSI Disk Drive being configured.

064C **064C****Explanation:** See 61E.

064D **064D****Explanation:** 18.2 GB LVD 80-pin Drive/Carrier being configured.

064E **064E****Explanation:** 36.4 GB 68-pin LVD SCSI Disk Drive being configured.

064F **064F****Explanation:** See 61D.

0650 **0650****Explanation:** SCSD disk drive being configured.

0653 **0653****Explanation:** 18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.

0655 **0655****Explanation:** GXT130P Graphics adapter being configured.

0657 **0657****Explanation:** GXT2000P graphics adapter being configured.

0658 **0658****Explanation:** 2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.

0663 **0663****Explanation:** The ARTIC960RxD Digital Trunk Quad PCI Adapter or the ARTIC960RxF Digital Trunk Resource Adapter being configured.

0664 **0664****Explanation:** 32x (MAX) SCSI-2 CD-ROM drive being configured.

0667 **0667****Explanation:** PCI 3-Channel Ultra2 SCSI RAID Adapter being configured.

0669 **0669****Explanation:** PCI Gigabit Ethernet Adapter being configured.

066A **066A****Explanation:** PCI Gigabit Ethernet Adapter being configured.

066C **066C**

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

066D **066D**

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

066E **066E**

Explanation: 4.7 GB DVD-RAM drive.

0674 **0674**

Explanation: ESCON™ Channel PCI Adapter being configured.

0678 **0678**

Explanation: 12 GB 4 mm SCSI tape drive

067B **067B**

Explanation: PCI Cryptographic Coprocessor being configured.

0682 **0682**

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

0689 **0689**

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

068C **068C**

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

068E **068E**

Explanation: POWER GXT6000P PCI Graphics Adapter.

0690 **0690**

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

069B **069B**

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

069D **069D**

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

06CC **06CC**

Explanation: SSA disk drive being configured.

0700 **0700**

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

0701 **0701**

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

0702 **0702**

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

0703 **0703**

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

0704 **0704**

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

0705 **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 **0706**

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

0707 **0707**

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

0708 **0708**

Explanation: An L2 cache being identified or configured.

0709 **0709**
Explanation: 128 port ISA adapter being configured

0710 **0710**
Explanation: POWER GXT150M graphics adapter being identified or configured.

0711 **0711**
Explanation: Unknown adapter being identified or configured.

0712 **0712**
Explanation: Graphics slot bus configuration is executing.

0713 **0713**
Explanation: The IBM ARTIC960 device being configured.

0714 **0714**
Explanation: A video capture adapter being configured.

0717 **0717**
Explanation: TP Ethernet Adapter being configured.

0718 **0718**
Explanation: GXT500 Graphics Adapter being configured.

0720 **0720**
Explanation: Unknown read/write optical drive type being configured.

0721 **0721**
Explanation: Unknown disk or SCSI device being identified or configured.

0722 **0722**
Explanation: Unknown disk drive being identified or configured.

0723 **0723**
Explanation: Unknown CD-ROM drive being identified or configured.

0724 **0724**
Explanation: Unknown tape drive being identified or configured.

0725 **0725**
Explanation: Unknown display adapter being identified or configured.

0726 **0726**
Explanation: Unknown input device being identified or configured.

0727 **0727**
Explanation: Unknown async device being identified or configured.

0728 **0728**
Explanation: Parallel printer being identified or configured.

0729 **0729**
Explanation: Unknown parallel device being identified or configured.

0730 **0730**
Explanation: Unknown diskette drive being identified or configured.

0731 **0731**
Explanation: PTY being identified or configured.

0732 **0732**
Explanation: Unknown SCSI initiator type being configured.

0733 **0733**
Explanation: 7 GB 8-mm tape drive being configured.

0734 **0734**
Explanation: 4x SCSI-2 640 MB CD-ROM Drive being configured.

0736 **0736**
Explanation: Quiet Touch keyboard and speaker cable being configured.

0741 • 078B

0741 0741

Explanation: 1080 MB SCSI Disk Drive being configured.

0745 0745

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

0746 0746

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

0747 0747

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

0749 0749

Explanation: 7331 Model 205 Tape Library being configured.

0751 0751

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

0754 0754

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

0755 0755

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

0756 0756

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

0757 0757

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

0763 0763

Explanation: SP Switch MX Adapter being configured.

0764 0764

Explanation: SP System Attachment Adapter being configured.

0772 0772

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

0773 0773

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

0774 0774

Explanation: 9.1 GB External SCSI Disk Drive being configured.

0776 0776

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

0777 0777

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

0778 0778

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

077B 077B

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

077C 077C

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

0783 0783

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

0789 0789

Explanation: 2.6 GB External Optical Drive being configured.

078B 078B

Explanation: POWER GXT4000P PCI Graphics Adapter.

078D **078D**

Explanation: GXT300P 2D Graphics adapter being configured.

0790 **0790**

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

0797 **0797**

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

0798 **0798**

Explanation: Video streamer adapter being identified or configured.

0799 **0799**

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

079C **079C**

Explanation: ISA bus configuration executing.

07C0 **07C0**

Explanation: CPU/System Interface being configured.

07C1 **07C1**

Explanation: Business Audio Subsystem being identified or configured.

07CC **07CC**

Explanation: PCMCIA bus configuration executing.

0800 **0800**

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

0803 **0803**

Explanation: 7336 Tape Library robotics being configured.

0804 **0804**

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

0806 **0806**

Explanation: POWER GXT800 PCI Graphics adapter being configured.

0807 **0807**

Explanation: SCSI Device Enclosure being configured.

080C **080C**

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

0811 **0811**

Explanation: Processor complex being identified or configured.

0812 **0812**

Explanation: Memory being identified or configured.

0813 **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 **0814**

Explanation: NVRAM being identified or configured.

0815 **0815**

Explanation: Floating-point processor test.

0816 **0816**

Explanation: Operator panel logic being identified or configured.

0817 **0817**

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

0819 **0819**

Explanation: Graphics input device adapter being identified or configured.

0821 **0821**

Explanation: Standard keyboard adapter being identified or configured.

0823 **0823**

Explanation: Standard mouse adapter being identified or configured.

0824 **0824**

Explanation: Standard tablet adapter being identified or configured.

0825 **0825**

Explanation: Standard speaker adapter being identified or configured.

0826 **0826**

Explanation: Serial Port 1 adapter being identified or configured.

0827 **0827**

Explanation: Parallel port adapter being identified or configured.

0828 **0828**

Explanation: Standard diskette adapter being identified or configured.

0831 **0831**

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

0834 **0834**

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

0835 **0835**

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

0836 **0836**

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

0837 **0837**

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

0838 **0838**

Explanation: Network Terminal Accelerator Adapter being identified or configured.

0839 **0839**

Explanation: 7318 Serial Communications Server being configured.

0840 **0840**

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

0841 **0841**

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

0842 **0842**

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

0843 **0843**

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

0844 **0844**

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

0845 **0845**

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

0846 **0846**

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

0847 **0847**

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

0848 **0848**

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

0849 0849

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

0850 0850

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

0851 0851

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

0852 0852

Explanation: Ethernet adapter being identified or configured.

0854 0854

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

0855 0855

Explanation: Portmaster Adapter/A being identified or configured.

0857 0857

Explanation: FSLA adapter being identified or configured.

0858 0858

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

0859 0859

Explanation: FDDI adapter being identified or configured.

085C 085C

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

0861 0861

Explanation: Optical adapter being identified or configured.

0862 0862

Explanation: Block Multiplexer Channel Adapter being identified or configured.

0865 0865

Explanation: ESCON[®] Channel Adapter or emulator being identified or configured.

0866 0866

Explanation: SCSI adapter being identified or configured.

0867 0867

Explanation: Async expansion adapter being identified or configured.

0868 0868

Explanation: SCSI adapter being identified or configured.

0869 0869

Explanation: SCSI adapter being identified or configured.

0870 0870

Explanation: Serial disk drive adapter being identified or configured.

0871 0871

Explanation: Graphics subsystem adapter being identified or configured.

0872 0872

Explanation: Grayscale graphics adapter being identified or configured.

0874 0874

Explanation: Color graphics adapter being identified or configured.

0875 0875

Explanation: Vendor generic communication adapter being configured.

0876 0876

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

0877 0877

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

0878 0878

Explanation: POWER Gt4 graphics processor card being configured.

0879 0879

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

0880 0880

Explanation: POWER Gt1 adapter being identified or configured.

0887 0887

Explanation: POWER Gt1 adapter being identified or configured.

0889 0889

Explanation: SCSI adapter being identified or configured.

0890 0890

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

0891 0891

Explanation: Vendor SCSI adapter being identified or configured.

0892 0892

Explanation: Vendor display adapter being identified or configured.

0893 0893

Explanation: Vendor LAN adapter being identified or configured.

0894 0894

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

0895 0895

Explanation: Vendor IEEE 488 adapter being identified or configured.

0896 0896

Explanation: Vendor VME bus adapter being identified or configured.

0897 0897

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

0898 0898

Explanation: POWER Gt1x graphics adapter being identified or configured.

0899 0899

Explanation: 3490 attached tape drive being identified or configured.

089C 089C

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

0900 0900

Explanation: GXT110P Graphics Adapter being identified or configured.

0901 0901

Explanation: Vendor SCSI device being identified or configured.

0902 0902

Explanation: Vendor display device being identified or configured.

0903 0903

Explanation: Vendor async device being identified or configured.

0904 **0904**

Explanation: Vendor parallel device being identified or configured.

0905 **0905**

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

0908 **0908**

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

0910 **0910**

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

0911 **0911**

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

0912 **0912**

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

0913 **0913**

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

0914 **0914**

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

0915 **0915**

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

0916 **0916**

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

0917 **0917**

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

0918 **0918**

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

0920 **0920**

Explanation: Bridge Box being identified or configured.

0921 **0921**

Explanation: 101 keyboard being identified or configured.

0922 **0922**

Explanation: 102 keyboard being identified or configured.

0923 **0923**

Explanation: Kanji keyboard being identified or configured.

0924 **0924**

Explanation: Two-button mouse being identified or configured.

0925 **0925**

Explanation: Three-button mouse being identified or configured.

0926 **0926**

Explanation: 5083 tablet being identified or configured.

0927 **0927**

Explanation: 5083 tablet being identified or configured.

0928 **0928**

Explanation: Standard speaker being identified or configured.

0929 **0929**

Explanation: Dials being identified or configured.

0930 **0930**

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

0931 **0931****Explanation:** IP router being identified or configured.

0933 **0933****Explanation:** Async planar being identified or configured.

0934 **0934****Explanation:** Async expansion drawer being identified or configured.

0935 **0935****Explanation:** 3.5-inch diskette drive being identified or configured.

0936 **0936****Explanation:** 5.25-inch diskette drive being identified or configured.

0937 **0937****Explanation:** An HIPPI adapter being configured.

0938 **0938****Explanation:** Serial HIPPI PCI adapter being configured.

0942 **0942****Explanation:** Serial HIPPI PCI adapter being configured.

0943 **0943****Explanation:** A 3480 or 3490 control unit attached to a System/370 Channel Emulator/A adapter are being identified or configured.

0944 **0944****Explanation:** 100 MB ATM adapter being identified or configured.

0945 **0945****Explanation:** 1.0 GB SCSI differential disk drive being identified or configured.

0946 **0946****Explanation:** A generic (non-IBM) Serial Port 3 adapter is being identified or configured.

0947 **0947****Explanation:** A 730 MB SCSI disk drive being configured.

0948 **0948****Explanation:** Portable disk drive being identified or configured.

0949 **0949****Explanation:** Unknown direct bus-attach device being identified or configured.

0950 **0950****Explanation:** Missing SCSI device being identified or configured.

0951 **0951****Explanation:** 670 MB SCSI disk drive being identified or configured.

0952 **0952****Explanation:** 355 MB SCSI disk drive being identified or configured.

0953 **0953****Explanation:** 320 MB SCSI disk drive being identified or configured.

0954 **0954****Explanation:** 400 MB SCSI disk drive being identified or configured.

0955 **0955****Explanation:** 857 MB SCSI disk drive being identified or configured.

0956 **0956****Explanation:** 670 MB SCSI disk drive electronics card being identified or configured.

0957 **0957****Explanation:** 120 MB DBA disk drive being identified or configured.

0958 0958

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

0959 0959

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

0960 0960

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

0964 0964

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

0968 0968

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

0970 0970

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

0971 0971

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

0972 0972

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

0973 0973

Explanation: Other SCSI tape drive being identified or configured.

0974 0974

Explanation: CD-ROM drive being identified or configured.

0975 0975

Explanation: An optical disk drive being identified or configured.

0977 0977

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

0981 0981

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

0984 0984

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

0985 0985

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

0986 0986

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

0987 0987

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

0989 0989

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

0990 0990

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

0991 0991

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

0994 0994

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

0995 0995

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

0996 **0996**
Explanation: A single-port, multiprotocol communications adapter being identified or configured.

0997 **0997**
Explanation: FDDI adapter being identified or configured.

0998 **0998**
Explanation: 2.0 GB 4-mm tape drive being identified or configured.

0999 **0999**
Explanation: 7137 or 3514 Disk Array Subsystem being configured.

0D46 **0D46**
Explanation: Token-Ring cable.

0D81 **0D81**
Explanation: T2 Ethernet Adapter being configured.

2000 **2000**
Explanation: Dynamic LPAR CPU Addition

2001 **2001**
Explanation: Dynamic LPAR CPU Removal

2002 **2002**
Explanation: Dynamic LPAR Memory Addition

2003 **2003**
Explanation: Dynamic LPAR Memory Removal

2004 **2004**
Explanation: DLPAR Maximum Memory size too large

2006 **2006**
Explanation: Partition hibernation phase in progress

2007 **2007**
Explanation: Dynamic LPAR Encryption Accelerator operation in progress

2010 **2010**
Explanation: HTX miscompare

2011 **2011**
Explanation: Configuring device model 2107 fcp

2012 **2012**
Explanation: Configuring device model 2107 iscsi

2013 **2013**
Explanation: Configuring MR-1750 (device model 1750) fcp

2014 **2014**
Explanation: Configuring MR-1750 (device model 1750) iscsi

2015 **2015**
Explanation: Configuring SVC (device model 2145) fcp

2016 **2016**
Explanation: Configuring SVCCISCO (device model 2062) fcp

2017 **2017**
Explanation: Configuring SVCCISCO (device model 2062) iscsi

2018 **2018**
Explanation: Configuring Virtual Management Channel driver

2019 **2019**
Explanation: Configuring vty server

201B **201B**
Explanation: Configuring a virtual SCSI optical device

2020 **2020**
Explanation: Configuring InfiniBand™ ICM kernel component

2021 2021

Explanation: Configuring TCP InfiniB and Interface kernel component

2028 2028

Explanation: Boot process searching for cluster repository disk

2502 2502

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

2503 2503

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

2504 2504

Explanation: Configuring a PCIe x1 Auxiliary Cache adapter

2505 2505

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

2512 2512

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

2513 2513

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

2514 2514

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

2515 2515

Explanation: Configuring a PCI-X DDR JBOD SAS adapter

2516 2516

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

2517 2517

Explanation: Configuring PCI-XDDR RAID SAS adapter

2518 2518

Explanation: Configuring PCIe RAID SAS adapter

2519 2519

Explanation: Configuring PCI-X DDR RAID Adapter

251D 251D

Explanation: Configuring PCI-X DDR Auxiliary Cache Controller

2520 2520

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

2522 2522

Explanation: PCI-X Dual Channel Ultra320 SCSI Adapter

2523 2523

Explanation: PCI-X Ultra320 SCSI RAID Adapter

2525 2525

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

2526 2526

Explanation: PCI-X Ultra320 SCSI RAID Battery Pack

2527 2527

Explanation: PCI-X Quad Channel U320 SCSI RAID Adapter

2528 2528

Explanation: PCI-X Dual Channel Ultra320 SCSI adapter

2529 2529

Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252B **252B**
Explanation: PCI-X Dual Channel Ultra320 SCSI RAID adapter

252D **252D**
Explanation: PCI-X DDR Dual Channel Ultra320 SCSI RAID adapter

252E **252E**
Explanation: Configuring PCI-X DDR Auxiliary Cache Adapter

2530 **2530**
Explanation: 10/100 Mbps Ethernet PCI Adapter II being configured.

2531 **2531**
Explanation: Configuring 10 Gigabit-LR Ethernet PCI-X adapter

2532 **2532**
Explanation: Configuring 10 Gigabit-SR Ethernet PCI-X adapter

2533 **2533**
Explanation: 10 GB Ethernet -SR PCI-X 2.0 DDR adapter being configured

2534 **2534**
Explanation: 10 GB Ethernet -LR PCI-X 2.0 DDR adapter being configured

2535 **2535**
Explanation: 4-Port 10/100/1000 Base-TX Ethernet PCI-X Adapter being configured.

2537 **2537**
Explanation: Configuring Ethernet-SX PCIe Adapter

2538 **2538**
Explanation: Configuring Ethernet-TX PCIe Adapter

2547 **2547**
Explanation: Generic 522 bites per sector SCSI JBOD (not osdisk) Disk Drive

254E **254E**
Explanation: Fibre Channel Expansion Card

2550 **2550**
Explanation: Configuring a POWER GXT4500P graphics adapter

2551 **2551**
Explanation: Configuring a POWER GXT6500P graphics adapter

2562 **2562**
Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2564 **2564**
Explanation: Keyboard/Mouse Attachment Card-PCI being configured.

2566 **2566**
Explanation: USB 3.5 inch Micro Diskette Drive

2568 **2568**
Explanation: Generic USB CD-ROM Drive

256D **256D**
Explanation: 4Gb Fibre Channel adapter being configured

256E **256E**
Explanation: Configuring a 4-port 10/100/1000 Base-TX PCI express adapter

2570 **2570**
Explanation: Configuring an IBM cryptographic accelerator PCI adapter

2571 **2571**
Explanation: 2-Port PCI Asynchronous EIA-232 Adapter

2572 **2572**
Explanation: PCI-X Cryptographic Coprocessor Card

2576 2576
Explanation: Configuring 4-port PCIe Serial Adapter

2578 2578
Explanation: Configuring IBM Y4 Cryptographic Coprocessor PCIe Adapter

2580 2580
Explanation: Configuring a SCSI accessed fault-tolerant enclosure (SAF-TE) device

2581 2581
Explanation: 1 GB iSCSI TOE PCI-X adapter is being configured (copper connector)

2582 2582
Explanation: iSCSI protocol device associated with an iSCSI adapter is being configured

2583 2583
Explanation: 1 GB iSCSI TOE PCI-X adapter being configured (copper connector)

2584 2584
Explanation: IDE DVD-RAM drive being configured

2585 2585
Explanation: IDE DVD-ROM drive being configured

2586 2586
Explanation: Configuring host Ethernet adapter

2587 2587
Explanation: Configuring a slimline DVD-ROM drive

2588 2588
Explanation: Configuring a 4.7 GB slimline DVD-RAM drive

2590 2590
Explanation: IDE CD-ROM drive being configured

2591 2591
Explanation: IDE DVD-ROM drive being configured.

2592 2592
Explanation: IDE DVD-ROM drive being configured.

2593 2593
Explanation: IDE DVD-RAM drive being configured.

2594 2594
Explanation: 4.7 GB IDE slimline DVD-RAM drive

2595 2595
Explanation: IDE slimline DVD-ROM drive

25A0 25A0
Explanation: I/O Planar Control Logic for IDE devices

25A1 25A1
Explanation: Configuring USB Mass Storage Device

25A2 25A2
Explanation: Configuring USB DVD-RAM

25A3 25A3
Explanation: Configuring PCIe Integrated Serial Adapter

25A4 25A4
Explanation: Configuring PCIe 2-port Serial Adapter

25B0 25B0
Explanation: Configuring iSCSI protocol device

25B1 25B1
Explanation: Configuring Tivoli Storage Manager FC asynchronous event protocol driver

25B2 25B2
Explanation: Configuring Virtual I/O Ethernet Adapter

25B3 25B3
Explanation: Configuring VSCSI client adapter

25B4	25B4
Explanation:	Configuring VSCSI virtual disk

25B5	25B5
Explanation:	Configuring VSCSI virtual CDROM

25B6	25B6
Explanation:	Configuring Virtual I/O Bus

25B7	25B7
Explanation:	Configuring VSCSI virtual SCSI server driver

25B8	25B8
Explanation:	Configuring VSCSI virtual target device

25B9	25B9
Explanation:	Ethernet Adapter (Fiber)

25C0	25C0
Explanation:	Gigabit Ethernet-SX PCI-X adapter

25C1	25C1
Explanation:	10/100/1000 base-TX Ethernet PCI-X adapter

25C2	25C2
Explanation:	Dual Port Gigabit SX Ethernet PCI-X Adapter

25C3	25C3
Explanation:	10/100/1000 Base-TX Dual Port PCI-Adapter

25C4	25C4
Explanation:	Broadcom Dual-Port Gigabit Ethernet PCI-X Adapter

25D0	25D0
Explanation:	Configuring a PCI audio adapter

25D2	25D2
Explanation:	LSI SAS adapter

25D3	25D3
Explanation:	Configuring 2-port 6Gb LSI SAS Expansion adapter

25D5	25D5
Explanation:	Configuring 4-port 6Gb LSI SAS Expansion adapter

25E5	25E5
Explanation:	Configuring PCI-E 2D Graphics Adapter

25E6	25E6
Explanation:	Configuring Low Profile PCI-E 2D Graphics Adapter

25F8	25F8
Explanation:	Configuring a 1 GB PCI-X iSCSI TOE Ethernet adapter (copper)

2600	2600
Explanation:	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2601	2601
Explanation:	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.

2602	2602
Explanation:	PCI 64-Bit 4 GB fibre channel adapter

2603	2603
Explanation:	Configuring 4Gb PCIe Fibre Channel Adapter

2606	2606
Explanation:	Configuring 8Gb FC Dual Port PCIe Adapter

2608	2608
Explanation:	Configuring 8Gb PCIe 4-port FC adapter

2611	2611
Explanation:	36/72 GB 4 mm internal tape drive

2612 **2612**

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

2613 **2613**

Explanation: 200/400 GB LTO2 Tape drive

2614 **2614**

Explanation: VXA3 160/320 GB Tape Drive

2615 **2615**

Explanation: Configuring a DAT160 80GB tape drive

2616 **2616**

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

2617 **2617**

Explanation: Configuring a LTO3 400 GB tape drive

2618 **2618**

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

2619 **2619**

Explanation: Configuring 3.5 inch 80GB DAT160 SAS Tape Drive

2621 **2621**

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

2624 **2624**

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

2625 **2625**

Explanation: Configuring 4X PCIe QDR InfiniBand Host Channel adapter

2626 **2626**

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

2627 **2627**

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

2628 **2628**

Explanation: Configuring PCIe RoCE Adapter

2629 **2629**

Explanation: Identifying PCIe QDR Host Channel Adapter

2631 **2631**

Explanation: Integrated IDE controller

2640 **2640**

Explanation: IDE Disk Drive, 2.5 inch

2641 **2641**

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

2642 **2642**

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

2643 **2643**

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

2644 **2644**

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

2645 **2645**

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

2646 **2646**

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

2647 **2647**

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

2648 **2648**
Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.

2649 **2649**
Explanation: 300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264B **264B**
Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

264D **264D**
Explanation: 36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

264E **264E**
Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2650 **2650**
Explanation: ESS iSCSI devices being identified or configured.

2651 **2651**
Explanation: SVC being identified or configured.

2652 **2652**
Explanation: SVCCISCOi being identified or configured.

2653 **2653**
Explanation: 73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For HV systems)

2654 **2654**
Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.

2655 **2655**
Explanation: 146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)

2656 **2656**
Explanation: 73 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2657 **2657**
Explanation: 146 GB SCSI disk drive 80 pin 15K rpm being identified or configured.

2658 **2658**
Explanation: 73 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

2659 **2659**
Explanation: 146 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

265B **265B**
Explanation: 300 GB SCSI disk drive 80 pin 10K rpm being identified or configured.

2667 **2667**
Explanation: An electronics tray, also known as the enclosure services manager is being identified or configured

2670 **2670**
Explanation: 73 GB SFF SAS Disk Drive 10K rpm being identified or configured

2671 **2671**
Explanation: 146 GB SFF SAS Disk Drive 10K rpm being identified or configured

2672 **2672**
Explanation: 300 GB SFF SAS Disk Drive 10K rpm being identified or configured

2680 **2680**
Explanation: A generic SAS adapter is being identified or configured

2681 **2681**
Explanation: DVD tray assembly.

2684	2684
Explanation:	Configuring 73 GB 15K RPM SFF Disk Drive

2685	2685
Explanation:	Configuring 146 GB 15K RPM SFF Disk Drive

2687	2687
Explanation:	Configuring 73 GB SAS SFF Solid State Drive

2690	2690
Explanation:	Configuring 600 GB 15K RPM SAS Disk Drive

2698	2698
Explanation:	Configuring 7200 rpm 2TB SATA Drive

2699	2699
Explanation:	Configuring 600 GB 10K RPM SAS SFF Disk Drive

26B4	26B4
Explanation:	Configuring 200 GB SATA Solid State Drive

26B8	26B8
Explanation:	Configuring 200 GB 2.5 inch Smart Modular SSD

26D0	26D0
Explanation:	Configuring DAT320 160GB SAS Tape Drive

26D1	26D1
Explanation:	Configuring DAT320 160GB USB Tape Drive

26D2	26D2
Explanation:	Configuring 600 GB 10K RPM SFF SAS Disk Drive

26D3	26D3
Explanation:	Configuring 300 GB 15K RPM SFF SAS Disk Drive

26D7	26D7
Explanation:	Configuring 900 GB 10K RPM SAS SFF Disk Drive

26E0	26E0
Explanation:	Configuring Internal RDX USB Dock

26E1	26E1
Explanation:	Configuring External RDX USB Dock

26E5	26E5
Explanation:	Configuring SAS HH LTO-5 Tape Drive

26E6	26E6
Explanation:	Configuring USB Tape Drive

2700	2700
Explanation:	Configuring NPIV FC SCSI protocol device

2701	2701
Explanation:	Configuring NPIV FC SCSI protocol device

2702	2702
Explanation:	Boot failed due to insufficient VRM

2703	2703
Explanation:	Configuring Paging Device - Logical Volume

2704	2704
Explanation:	Configuring Paging Device - Disk

2705	2705
Explanation:	Configuring Virtual Tape

2706	2706
Explanation:	Configuring Pool Device

2707	2707
Explanation:	Configuring Virtual Fiber Channel (vfc) Host Device

2708 **2708**
Explanation: Configuring VSCSI Virtual Tape

2709 **2709**
Explanation: Configuring Virtual Block Storage Device

270B **270B**
Explanation: Configuring Cluster Storage Framework

270D **270D**
Explanation: Configuring Virtual SCSI Log

2710 **2710**
Explanation: Configuring OHCI USB Native or 4-port PCIe Adapter

2711 **2711**
Explanation: Configuring Loopback Device

2730 **2730**
Explanation: Configuring VIOS Object

2731 **2731**
Explanation: Configuring VIOS Cluster Object

2D01 **2D01**
Explanation: PCI-X Quad Channel U320 SCSI RAID Battery Pack

2D02 **2D02**
Explanation: Generic USB Reference to Controller/Adapter

2D05 **2D05**
Explanation: PCI-X266 Planar 3 GB SAS RAID battery pack

2D07 **2D07**
Explanation: Configuring a PCI X DDR Auxiliary Cache adapter

2D0B **2D0B**
Explanation: PCI express x8 Ext Dual-x4 3Gb SAS RAID adapter being configured.

2D10 **2D10**
Explanation: Configuring RSSM Storage Device

2D14 **2D14**
Explanation: PCI express x8 Planar 3Gb SAS Adapter being configured.

2D15 **2D15**
Explanation: PCI express x8 Planar 3Gb SAS RAID Adapter being configured.

2D16 **2D16**
Explanation: PCI-X DDR Planar 3Gb SAS Adapter

2D17 **2D17**
Explanation: PCI-X DDR Planar 3Gb SAS RAID Adapter

2D18 **2D18**
Explanation: PCI-X DDR Planar 3Gb SAS RAID Adapter

2D1D **2D1D**
Explanation: Configuring PCIe2 RAID SAS Adapter Dual-port 6Gb

2D20 **2D20**
Explanation: PCIe2 1.8GB Cache RAID SAS Adapter Tri-port 6Gb

2D23 **2D23**
Explanation: Configuring PCIe x1 Planar 3Gb SAS Adapter

2D24 **2D24**
Explanation: Configuring PCIe2 3.6GB Cache RAID SAS Enclosure 6Gb

2D25 **2D25**
Explanation: Configuring PCIe x4 Planar 3Gb SAS Adapter

2D26 **2D26**
Explanation: Configuring PCIe x4 Planar 3Gb SAS RAID Adapter

2D27	2D27
Explanation: Configuring PCIe x4 Internal 3Gb SAS Adapter	

2D28	2D28
Explanation: Configuring PCIe x4 Internal 3Gb SAS RAID Adapter	

2D40	2D40
Explanation: Configuring PCIe RAID and SSD SAS 3Gb Adapter	

2E01	2E01
Explanation: 10Gb Ethernet-SR PCIe Adapter	

2E02	2E02
Explanation: 10Gb Ethernet-LR PCIe Adapter	

2E03	2E03
Explanation: Configuring 10Gb Ethernet-SR PCIe Host Bus Adapter	

2E04	2E04
Explanation: Configuring 10Gb Ethernet-CX4 PCIe Host Bus Adapter	

2E10	2E10
Explanation: Configuring Qlogic 2432 FC Adapter	

2E11	2E11
Explanation: Configuring Qlogic 8Gb PCIe FC Adapter	

2E12	2E12
Explanation: 8 Gb Fibre Channel adapter being configured	

2E13	2E13
Explanation: Configuring Qlogic 4Gb PCIe FC Blade Expansion Adapter	

2E14	2E14
Explanation: Configuring Qlogic 8Gb PCIe FC Blade Expansion Adapter	

2E15	2E15
Explanation: Configuring Qlogic 8Gb PCIe FC Blade Expansion Adapter	

2E16	2E16
Explanation: Configuring Qlogic 8Gb 2-port PCIe FC Mezz Card	

2E20	2E20
Explanation: Configuring 10Gb PCIe FCoE CNA Slot FC Adapter	

2E22	2E22
Explanation: Configuring 10Gb PCIe FCoE CNA Slot Ethernet Adapter	

2E30	2E30
Explanation: Configuring 10Gb PCIe SFP+ SR Ethernet Adapter	

2E31	2E31
Explanation: Configuring 10Gb PCIe SFP+ Twinax Ethernet Adapter	

2E33	2E33
Explanation: Configuring 1Gb 4-port PCIe Ethernet Adapter	

2E34	2E34
Explanation: Configuring 1Gb 2-port PCIe Ethernet Adapter	

2E35	2E35
Explanation: Configuring PCIe Combo 8Gb FC with 1Gb Ethernet	

2E36	2E36
Explanation: Configuring 1Gb 2-port PCIe Integrated Ethernet Adapter	

2E37	2E37
Explanation: Configuring PCIe2 4-port 10GbE Mezz Adapter	

2E38 • 3000

2E38 2E38

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

2E39 2E39

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

2E3B 2E3B

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

2E3D 2E3D

Explanation: Configuring 1Gb 2-port PCIe Ethernet
Adapter

2F00 2F00

Explanation: Configuring BluRay Writer

2F01 2F01

Explanation: Configuring BluRay Reader

3000 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 **0C00**

Explanation: AIX Install/Maintenance loaded successfully.

0C01 **0C01**

Explanation: Insert the first diagnostic diskette.

0C02 **0C02**

Explanation: Diskettes inserted out of sequence.

0C03 **0C03**

Explanation: The wrong diskette is in diskette drive.

0C04 **0C04**

Explanation: The loading stopped with an irrecoverable error.

0C05 **0C05**

Explanation: A diskette error occurred.

0C06 **0C06**

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

0C07 **0C07**

Explanation: Insert the next diagnostic diskette.

0C08 **0C08**

Explanation: RAM file system started incorrectly.

0C09 **0C09**

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

0C10 **0C10**

Explanation: Unknown system platform

0C20 **0C20**

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

0C21 **0C21**

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

0C22 **0C22**

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

0C24 **0C24**

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

0C25 **0C25**

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

0C26 **0C26**

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

0C29 **0C29**

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

0C31 **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 **0C32**

0C33 • 0C61

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

0C33 0C33

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

0C34 0C34

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

0C35 0C35

Explanation: No console found.

0C40 0C40

Explanation: Configuration files are being restored.

0C41 0C41

Explanation: Could not determine the boot type or device.

0C42 0C42

Explanation: Extracting data files from diskette.

0C43 0C43

Explanation: Cannot access the boot/install tape.

0C44 0C44

Explanation: Initializing installation database with target disk information.

0C45 0C45

Explanation: Cannot configure the console.

0C46 0C46

Explanation: Normal installation processing.

0C47 0C47

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

0C48 0C48

Explanation: Prompting you for input.

0C49 0C49

Explanation: Could not create or form the JFS log.

0C50 0C50

Explanation: Creating root volume group on target disks.

0C51 0C51

Explanation: No paging devices were found.

0C52 0C52

Explanation: Changing from RAM environment to disk environment.

0C53 0C53

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

0C54 0C54

Explanation: Installing either BOS or additional packages.

0C55 0C55

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

0C56 0C56

Explanation: Running user-defined customization.

0C57 0C57

Explanation: Failure to restore BOS.

0C58 0C58

Explanation: Displaying message to turn the key.

0C59 0C59

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

0C61 0C61

Explanation: Failed to create the boot image.

0C62 **0C62**

Explanation: Loading platform dependent debug files.

0C63 **0C63**

Explanation: Loading platform dependent data files.

0C64 **0C64**

Explanation: Failed to load platform dependent data files.

0C70 **0C70**

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

0C71 **0C71**

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

0C72 **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 **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 00C0

Explanation: The dump completed successfully.

Explanation: Unknown dump failure.

00C1 00C1

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

00C2 00C2

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

00C3 00C3

Explanation: The dump is inhibited.

00C4 00C4

Explanation: The dump device is not large enough.

00C5 00C5

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

00C6 00C6

Explanation: Dumping to a secondary dump device.

00C7 00C7

Explanation: Reserved.

00C8 00C8

Explanation: The dump function is disabled.

00C9 00C9

Explanation: A dump is in progress.

00CB 00CB

Explanation: A firmware-assisted system dump is in progress

00CC 00CC

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.

888-102-300 888-102-300

Explanation: Data storage interrupt from the processor.

888-102-32X 888-102-32X

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

888-102-38X 888-102-38X

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

888-102-400 888-102-400

Explanation: Instruction storage interrupt.

888-102-700 888-102-700

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.

888-102-200 888-102-200

Explanation: Machine check because of a memory bus error.

888-102-201 888-102-201

Explanation: Machine check because of a memory timeout.

888-102-202 888-102-202

Explanation: Machine check because of a memory card failure.

888-102-203 888-102-203

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

888-102-204 888-102-204

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

888-102-205 888-102-205

Explanation: Machine check because of an uncorrectable address parity.

888-102-206 888-102-206

Explanation: Machine check because of an uncorrectable ECC error.

888-102-207 888-102-207

Explanation: Machine check because of an unidentified error.

888-102-208 888-102-208

Explanation: Machine check due to an L2 uncorrectable ECC.

888-102-500 888-102-500

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

888-102-501 888-102-501

Explanation: External interrupt because of an unidentified error.

888-102-51X 888-102-51X

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

888-102-52X 888-102-52X

Explanation: External interrupt because of an IOCC channel check.

888-102-53X 888-102-53X

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

888-102-54X 888-102-54X

Explanation: External interrupt because of an IOCC keyboard check.

888-102-800 888-102-800

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.

888-102-000 888-102-000

Explanation: Unexpected system interrupt.

888-102-558 888-102-558

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

888-102-600 888-102-600

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.

888-102-605 888-102-605

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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **C1009X18**

C1009X1C • C1009X44

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 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 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 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 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 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 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 C1009X34

Explanation: Processor mask attentions being initialiaed.

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

C1009X38 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 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 C1009X3A

Explanation: Load processor gpnr 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 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 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 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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **C1009X66**

Explanation: Concurrent 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.

C1009X68 **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 **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 **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 • C1009XA4

C1009X74 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 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 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 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 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 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 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 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 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 C1009X92

Explanation: ASIC restore errepair 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 • C100C10D

C100B101 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 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 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 C100B104

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

C100C100 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 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 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 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 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 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 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 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 C100C10B

Explanation: Waiting for BPC's IP addresses 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 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 standby 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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

C100C129 • C100C166

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

C100C129 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 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 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 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 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 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 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 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 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 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 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 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 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 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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 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 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 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 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 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 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 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 C100C1B8

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

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

C100C1BA 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 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 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 C100C1CF

Explanation: A critical fault has occurred. 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 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 C100D009

Explanation: Licensed Internal Code (system) running initialization

C1011F00 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 C10F2000

Explanation: Halt: starting halt transition file

C10F20FF C10F20FF

Explanation: Halt: completing halt transition file

C1112000 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 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 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 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 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 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 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 appear 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 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.

C1202000 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 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 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 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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 C162E410

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

Failing Item:
• ANYPROC

C162E41C C162E41C

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

Failing Item:
• CAPACTY

C162E41E C162E41E

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

Failing Item:
• SYSBKPL

C162E420 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 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 C162E430

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

Failing Item:
• SVCPROC

C162E4A0 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 C162E4D0

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

Failing Item:

- MEMDIMM

C1645300 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 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 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 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 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 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 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 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 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 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 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 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 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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 **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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 **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 **C1E92000**

Explanation: Extract exit error: starting ExtractExitError/ipl transition file (master)

C1E920FF **C1E920FF**

Explanation: Extract exit error: completed ExtractExitError/ipl transition file (master)

C1EA2000 **C1EA2000**

Explanation: Extract exit error: starting ExtractExitError/Backup/ipl transition file (secondary)

C1EA20FF **C1EA20FF**

Explanation: Extract exit error: completed ExtractExitError/Backup/ipl transition file (secondary)

C1F22000 **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 **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 **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 **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 **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 **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 C2xxxxx progress code, a problem has occurred. Collect all of the SRC words and contact your next level of support.

C2001000 **C2001000**

Explanation: Partition auto-IPL during a platform IPL

C2001010 **C2001010**

Explanation: IPL source

C2001100 **C2001100**

Explanation: Adding partition resources to the secondary configuration

C20011FF **C20011FF**

Explanation: Partition resources added successfully

C2001200 **C2001200**

Explanation: Checking if IPL is allowed

C20012FF **C20012FF**

Explanation: Partition IPL is allowed to proceed

C2001300 **C2001300**

Explanation: Initializing ISL roadmap

C20013FF **C20013FF**

Explanation: ISL roadmap initialized successfully

C2001400 **C2001400**

Explanation: Initializing SP Communication Area #1

C2001410 **C2001410**

Explanation: Initializing IPL parameters

C20014FF **C20014FF**

Explanation: IPL parameters initialized successfully

C2002100 **C2002100**

Explanation: Power on SPCN racks

C2002110 **C2002110**

Explanation: Issuing a rack power on command

C200211F **C200211F**

Explanation: Rack power on command successful

C20021FF **C20021FF**

Explanation: SPCN rack power on phase complete

C2002200 **C2002200**

Explanation: Begin acquiring slot locks

C20022FF **C20022FF**

Explanation: End acquiring slot locks

C2002300 **C2002300**

Explanation: Begin acquiring VIO slot locks

C20023FF **C20023FF**

Explanation: End acquiring VIO slot locks

C2002400 **C2002400**

Explanation: Begin powering on slots

C2002450 **C2002450**

Explanation: Waiting for power on of slots to complete

C20024FF **C20024FF**

Explanation: End powering on slots

C2002500 **C2002500**

Explanation: Begin power on VIO slots

C20025FF • C2006000

C20025FF C20025FF

Explanation: End powering on VIO slots

C2003100 C2003100

Explanation: Validating ISL command parameters

C2003111 C2003111

Explanation: Waiting for Bus object to become operational

C2003112 C2003112

Explanation: Waiting for bus unit to become disabled

C2003115 C2003115

Explanation: Waiting for creation of bus object

C2003150 C2003150

Explanation: Sending ISL command to bus unit

C20031FF C20031FF

Explanation: Waiting for ISL command completion

C20032FF C20032FF

Explanation: ISL command complete successfully

C2003300 C2003300

Explanation: Start SoftPOR of a failed ISL slot

C2003350 C2003350

Explanation: Waiting for SoftPOR of a failed ISL slot

C20033FF C20033FF

Explanation: Finish SoftPOR of a failed ISL slot

C2004100 C2004100

Explanation: Waiting for load source device to enlist

C2004200 C2004200

Explanation: Load source device has enlisted

C2004300 C2004300

Explanation: Preparing connection to load source device

C20043FF C20043FF

Explanation: Load source device is connected

C2005100 C2005100

Explanation: Preparing to initiate MSD phase

C2005110 C2005110

Explanation: Loading SID 82 from load source device

C2005115 C2005115

Explanation: MSD Phase I

C2005120 C2005120

Explanation: Writing processor registers into SID 82

C2005125 C2005125

Explanation: MSD Phase II

C2005130 C2005130

Explanation: Writing main store pages to the load source device

C2005133 C2005133

Explanation: Writing hardware page table to the load source device

C2005135 C2005135

Explanation: MSD Phase III

C2005140 C2005140

Explanation: Storing (final) SID 82 back to the load source device

C2005150 C2005150

Explanation: Allocating the hardware page table

C20051FF C20051FF

Explanation: MSD processing complete

C2006000 C2006000

Explanation: Locating First LID information on the load source

C2006005 **C2006005**
Explanation: Clearing all partition main store

C2006010 **C2006010**
Explanation: Locating Next LID information on the load source

C2006020 **C2006020**
Explanation: Verifying LID information

C2006030 **C2006030**
Explanation: Priming LP Configuration LID

C2006040 **C2006040**
Explanation: Preparing to initiate LID load from load source

C2006050 **C2006050**
Explanation: LP Configuration LID primed successfully

C2006060 **C2006060**
Explanation: Waiting for LID load to complete

C20060F0 **C20060F0**
Explanation: The license information document (LID) was read without the aid of an input/output processor (IOP).

C2006100 **C2006100**
Explanation: LID load completed successfully

C2006200 **C2006200**
Explanation: Loading raw kernel memory image

C20062FF **C20062FF**
Explanation: Loading raw kernel memory image completed successfully

C2007100 **C2007100**
Explanation: Disconnecting from load source device

C2007103 **C2007103**
Explanation: Removing load source device from LID Manager object

C2007105 **C2007105**
Explanation: Preparing to remove the load source IOP from the primary partition

C2007110 **C2007110**
Explanation: Preparing to remove the load source IOP from the primary partition

C2007120 **C2007120**
Explanation: Non-load source IOP has been successfully removed from the primary partition

C2007125 **C2007125**
Explanation: Load source IOP has been successfully removed from the primary partition

C2007130 **C2007130**
Explanation: Calling fatal error on the Transport Manager bus unit object

C20071FF **C20071FF**
Explanation: Load source is successfully disconnected

C2008040 **C2008040**
Explanation: Begin transfer slot locks to partition

C2008060 **C2008060**
Explanation: End transfer slot locks to partition

C2008080 **C2008080**
Explanation: Begin transfer VIO slot locks to partition

C20080A0 **C20080A0**
Explanation: End transfer VIO slot locks to partition

C20080FF **C20080FF**
Explanation: Hypervisor low level session manager object is ready

C2008100 **C2008100**
Explanation: Initializing SP Communication Area #2

C2008104 **C2008104**
Explanation: Loading data structures into main store

C2008110 • C200XXXX

C2008110 C2008110

Explanation: Initializing event paths

C2008120 C2008120

Explanation: Starting processors

C2008130 C2008130

Explanation: Begin associate of system ports.

C2008138 C2008138

Explanation: Associating system ports to the RPA partition.

C200813F C200813F

Explanation: End associate of system ports.

C20081FF C20081FF

Explanation: Processors started successfully, now waiting to receive the continue acknowledgement from System Licensed Internal Code

C2008200 C2008200

Explanation: Continue acknowledgement received from System Licensed Internal Code

C20082FF C20082FF

Explanation: VSP IPL complete successfully

C200XXXX 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 C3YXXXXX

Explanation: System Processor or Main Storage Diagnostic in progress

C500C92B C500C92B

Explanation: Waiting for console device - error condition only if console not found

C5YXXXXX C5YXXXXX

Explanation: Licensed Internal Code system hardware initialization

C6001800 C6001800

Explanation: Licensed Internal Code SPCN setup

C6003900 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 C6003910

Explanation: Licensed Internal Code has initiated PCI Bus Reset to all Bus 1 devices except the SP

C6003911 C6003911

Explanation: Licensed Internal Code has initiated self test of all Bus 1 devices except the SP

C6003912 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 C6003913

Explanation: Licensed Internal Code is initializing the Load Source IOP messaging functions

C6003914 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

C6003915 • C6004020

memory Licensed Internal Code update

C6003915 **C6003915**

Explanation: Licensed Internal Code has initiated the Load Source IOP self-load

C6003916 **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 **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 **C60039XX**

Explanation: The typical sequence for an A/B/C 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 or C.

C6004001 **C6004001**

Explanation: Static paging

C6004002 **C6004002**

Explanation: Start limited paging, call LID manager

C6004003 **C6004003**

Explanation: Initialize IPL/Termination (IT) data area / set up node address communication area (NACA) pointer

C6004004 **C6004004**

Explanation: Check and update MSD SID

C6004005 **C6004005**

Explanation: Initialize event management is executing

C6004006 **C6004006**

Explanation: IPL all buses

C6004007 **C6004007**

Explanation: Start SLID

C6004008 **C6004008**

Explanation: Initialize I/O service

C6004009 **C6004009**

Explanation: Initialize I/O machine

C6004010 **C6004010**

Explanation: Initialize IDE (interactive device exerciser)

C6004011 **C6004011**

Explanation: Initialize remote services

C6004012 **C6004012**

Explanation: Initialize RMAC component data values

C6004013 **C6004013**

Explanation: Initialize context management

C6004014 **C6004014**

Explanation: Initialize RM (component) seize lock

C6004015 **C6004015**

Explanation: Initialize MISR

C6004016 **C6004016**

Explanation: Set time of day

C6004017 **C6004017**

Explanation: Initialize RM (component) process management

C6004018 **C6004018**

Explanation: Initialize error log

C6004019 **C6004019**

Explanation: Re-initialize the service processor

C6004020 **C6004020**

Explanation: Initialize machine services

C6004021	C6004021
Explanation:	Initialize performance data collector

C6004022	C6004022
Explanation:	Initialize event management

C6004023	C6004023
Explanation:	Create MI boundary manager tasks

C6004024	C6004024
Explanation:	Disable CPM

C6004025	C6004025
Explanation:	Initializes battery test

C6004026	C6004026
Explanation:	Hardware card checkout

C6004027	C6004027
Explanation:	Start integrated device exerciser (Type C IPL only)

C6004028	C6004028
Explanation:	Start DST

C6004029	C6004029
Explanation:	Make IPL task not critical

C6004030	C6004030
Explanation:	Free static storage

C6004031	C6004031
Explanation:	Destroy IPL task, DST has been started

C6004033	C6004033
Explanation:	Guest Partition Virtual I/O Initialization Complete

C6004050	C6004050
Explanation:	Storage management recovery is executing

C6004051	C6004051
Explanation:	Start LOG is executing

C6004052	C6004052
Explanation:	Trace table initialization is executing

C6004053	C6004053
Explanation:	Context rebuild is executing. Module called: #RCRBCTX.

C6004054	C6004054
Explanation:	Start Product Activity Log and APPN is executing

C6004055	C6004055
Explanation:	Authority recovery is executing

C6004056	C6004056
Explanation:	Journal recovery is executing

C6004057	C6004057
Explanation:	Data base recovery is executing

C6004058	C6004058
Explanation:	Journal synchronization is executing

C6004059	C6004059
Explanation:	Commit recovery is executing

C6004060	C6004060
Explanation:	Data base initialization is executing

C6004061	C6004061
Explanation:	Journal IPL clean up is executing

C6004062	C6004062
Explanation:	Commit initialization is executing

C6004064	C6004064
Explanation:	System Object Model (SOM) recovery is executing.

C6004065 • C6004260

C6004065 C6004065

Explanation: Start operating system is executing

C6004072 C6004072

Explanation: Storage Management Recovery is complete

C6004073 C6004073

Explanation: Queueing was notified that full paging is available

C6004074 C6004074

Explanation: Breakpoint Manager initialization phase 2 complete

C6004075 C6004075

Explanation: Volume stats initialized

C6004076 C6004076

Explanation: Lid Manager was notified that full paging is available

C6004077 C6004077

Explanation: Recovery directory structure created

C6004078 C6004078

Explanation: Link loader was notified that full paging is available

C6004079 C6004079

Explanation: Clean up SLIC install structures

C600407A C600407A

Explanation: Initialize database storage

C600407B C600407B

Explanation: Initialize IFS storage

C600407C C600407C

Explanation: HRI was notified that full paging is available

C600407D C600407D

Explanation: Authority was notified that full paging is available

C600407E C600407E

Explanation: Initialize I/O structures

C600407F C600407F

Explanation: Initialize cryptography structures

C6004100 C6004100

Explanation: Searching for Load Source Candidate (D-mode only)

C6004101 C6004101

Explanation: Opening media-file to install Licensed Internal Code service displays with proper National Language Version

C6004102 C6004102

Explanation: Loading and linking from media-file to install Licensed Internal Code service displays with proper National Language Version

C6004201 C6004201

Explanation: Storage management recovery

C6004204 C6004204

Explanation: Synchronization of mirrored MSD.

C6004205 C6004205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6004240 C6004240

Explanation: Reclaim main storage

C6004250 C6004250

Explanation: Storage management subset directory recovery

C6004255 C6004255

Explanation: Defragmentation utility

C6004260 C6004260

Explanation: Storage management directory recovery.

C6004272 **C6004272**
Explanation: ASP overflow recovery

C6004300 **C6004300**
Explanation: Static paging is available for the link/loader

C6004301 **C6004301**
Explanation: Applying temporary PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004302 **C6004302**
Explanation: Applying modules. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004303 **C6004303**
Explanation: Temporarily applied PTFs have reached the static paging phase

C6004304 **C6004304**
Explanation: Delayed LID is being requested.

C6004305 **C6004305**
Explanation: Delayed LID has loaded successfully.

C600432A **C600432A**
Explanation: Resolving references to run Mode A. The system can be safely terminated while this work is being done.

C600432B **C600432B**
Explanation: Resolving references to run Mode B. The system may be safely terminated while this work is being done.

C6004330 **C6004330**
Explanation: Full paging is available; workstation HRI processing

C6004331 **C6004331**
Explanation: Freeing unused nucleus pages

C6004332 **C6004332**
Explanation: Permanently applying PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.

C6004400 **C6004400**
Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.

C6004401 **C6004401**
Explanation: Some DASD failed to report in

C6004402 **C6004402**
Explanation: Storage Management Recovery started

C6004403 **C6004403**
Explanation: Storage Management Recovery ended

C6004404 **C6004404**
Explanation: Licensed Internal Code log started. If Auto Copy in progress, xx is the percent complete. Module called: MsdStartSf.

C6004405 **C6004405**
Explanation: Dump auto copy completed successfully. Module called: MsdStartSf.

C6004406 **C6004406**
Explanation: Shutdown/Programmed IPL started (MSD related). Module called: MsdStartSf, MsdInit.

C6004500 **C6004500**
Explanation: Verifying network attributes

C6004501 **C6004501**
Explanation: Looking for the console

C6004502 **C6004502**
Explanation: Starting DST display task (SSP only)

C6004503 **C6004503**
Explanation: Checking possible MRI on media (SSP only)

C6004504 • C6xx4404

C6004504 C6004504

Explanation: Verifying system serial number

C6004505 C6004505

Explanation: Verifying system type

C6004506 C6004506

Explanation: Verifying system-unique ID

C6004507 C6004507

Explanation: Starting 'before DST' DASD checker

C6004508 C6004508

Explanation: Verifying system password (if DASD check OK)

C6004509 C6004509

Explanation: Starting DASD migration function (only if migrating)

C600450A C600450A

Explanation: Starting 'after DST' DASD checker

C6004A57 C6004A57

Explanation: Parallel database recovery and is at Pass 1

C6004A60 C6004A60

Explanation: Parallel database initialization is at Pass 1

C6004B57 C6004B57

Explanation: Parallel database recovery is at Pass 2

C6004B60 C6004B60

Explanation: Parallel database initialization is at Pass 2

C6004C57 C6004C57

Explanation: Parallel database recovery is at Pass 3

C6004C60 C6004C60

Explanation: Parallel database initialization is at Pass 3

C6004F57 C6004F57

Explanation: The system is recovering all database objects. This step can take several hours.

C6004F60 C6004F60

Explanation: The system is examining all objects during database initialization.

C6xx1800 C6xx1800

Explanation: Licensed Internal Code SPCN setup

C6xx4205 C6xx4205

Explanation: Synchronization of mirrored data (where xx is percent complete).

C6xx4400 C6xx4400

Explanation: Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in).

C6xx4404 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 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 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 **Refcode_C9002810**

Explanation: Reclaim machine context

C9002820 **Refcode_C9002820**

Explanation: Resolve system objects

C9002825 **Refcode_C9002825**

Explanation: Convert Work Control Block Table

C9002830 **Refcode_C9002830**

Explanation: System value object

C90028C0 **Refcode_C90028C0**

Explanation: Prepare SPCF job

C90028C5 **Refcode_C90028C5**

Explanation: Initialize system objects

C9002910 **Refcode_C9002910**

Explanation: Start system logging

C9002920 **Refcode_C9002920**

Explanation: Library and object information repository (OIR) cleanup

C9002925 **Refcode_C9002925**

Explanation: Verify POSIX** root directories

C9002930 **Refcode_C9002930**

Explanation: Database cross-reference

C9002940 **Refcode_C9002940**

Explanation: Console configuration

C9002950 **Refcode_C9002950**

Explanation: Install complex objects

C9002960 **Refcode_C9002960**

Explanation: Sign on processing

C9002965 **Refcode_C9002965**

Explanation: Software Management Services (SMS) initialization

C9002967 **Refcode_C9002967**

Explanation: Applying PTFs

C9002968 **Refcode_C9002968**

Explanation: IPL options

C9002970 **Refcode_C9002970**

Explanation: Database recovery part 1, journal recovery part 1

C9002973 **Refcode_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 **Refcode_C9002976**

Explanation: This recovery step verifies the object recovery list performs any needed recovery for journals and journal receivers.

C9002978 **Refcode_C9002978**

Explanation: This progress code displays after progress codes C9002A70 through C9002976 have been completed

C9002980 **Refcode_C9002980**

Explanation: Storage requirements

C9002990 **Refcode_C9002990**

Explanation: Performance adjustments

C90029A0 • C9002CF0

C90029A0 **Refcode_C90029A0**

Explanation: System control block

C90029B0 **Refcode_C90029B0**

Explanation: Spool initialization

C90029C0 **Refcode_C90029C0**

Explanation: Work control block table

C9002A80 **Refcode_C9002A80**

Explanation: Before starting system jobs

C9002A85 **Refcode_C9002A85**

Explanation: Bringing up POSIX SAG

C9002A87 **Refcode_C9002A87**

Explanation: POSIX SAG restart and signals initialization

C9002A90 **Refcode_C9002A90**

Explanation: Starting system jobs

C9002A95 **Refcode_C9002A95**

Explanation: Abnormal Work Control Block Table cleanup

C9002AA0 **Refcode_C9002AA0**

Explanation: Damage notification

C9002AA1 **Refcode_C9002AA1**

Explanation: This recovery step either rolls back or completes certain uncompleted database operations that were run under commitment control

C9002AA2 **Refcode_C9002AA2**

Explanation: This recovery completes certain journal operations that were in progress when the system ended processing

C9002AA3 **Refcode_C9002AA3**

Explanation: This recovery sends messages to QHST for database files that may have been damaged by a system end

C9002AA4 **Refcode_C9002AA4**

Explanation: This progress code displays after progress codes C9002AA0 - C9002AA3 have been completed

C9002AA5 **Refcode_C9002AA5**

Explanation: Integrated File System/New File System (NFS) directory recovery

C9002AAC **Refcode_C9002AAC**

Explanation: Integrated File System conversion

C9002AB0 **Refcode_C9002AB0**

Explanation: Database recovery part 2

C9002AC0 **Refcode_C9002AC0**

Explanation: Document Library Object (DLO) recovery

C9002B10 **Refcode_C9002B10**

Explanation: Establish event monitors

C9002B30 **Refcode_C9002B30**

Explanation: QLUJ job

C9002B40 **Refcode_C9002B40**

Explanation: Device configuration

C9002C10 **Refcode_C9002C10**

Explanation: After system arbiter

C9002C20 **Refcode_C9002C20**

Explanation: SNADS recovery

C9002C25 **Refcode_C9002C25**

Explanation: ZMF component (Mail Enablement (OeDS) Framework) recovery

C9002C40 **Refcode_C9002C40**

Explanation: Work Control Block Table cleanup

C9002CF0 **Refcode_C9002CF0**

Explanation: Reclaim storage

C9002F00 Refcode_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 **CA000000**

Explanation: Process control now owned by partition firmware

Failing Item:

- FWFLASH

CA000020 **CA000020**

Explanation: Checking the firmware levels

Failing Item:

- FWFLASH

CA000030 **CA000030**

Explanation: Attempting to establish a communication link by using lpevents

Failing Item:

- FWFLASH

CA000032 **CA000032**

Explanation: Attempting to register lpevent queues

Failing Item:

- FWFLASH

CA000034 **CA000034**

Explanation: Attempting to exchange cap and allocate lpevents

Failing Item:

- FWFLASH

CA000038 **CA000038**

Explanation: Attempting to exchange virtual continue events

Failing Item:

- FWFLASH

CA000040 **CA000040**

Explanation: Attempting to obtain RTAS code lid details

Failing Item:

- FWFLASH

CA000050 **CA000050**

Explanation: Attempting to load RTAS firmware

Failing Item:

- FWFLASH

CA000060 **CA000060**

Explanation: Attempting to obtain open firmware details

Failing Item:

- FWFLASH

CA000070 **CA000070**

Explanation: Attempting to load open firmware

Failing Item:

- FWFLASH

CA000080 **CA000080**

Explanation: Preparing to start open firmware

Failing Item:

- FWFLASH

CA000090 **CA000090**

Explanation: Open firmware package corrupted (phase 1).

CA000091 • CA00D021

Failing Item:

- FWFLASH

CA000091 CA000091

Explanation: Attempting to load open firmware

Failing Item:

- FWFLASH

CA0000A0 CA0000A0

Explanation: Open firmware package corrupted (phase 2)

Failing Item:

- FWFLASH

CA00D001 CA00D001

Explanation: PCI probe completed, create PCI bridge interrupt routing properties

Failing Item:

- FWFLASH

CA00D002 CA00D002

Explanation: PCI adapter nvram hint created; system is rebooting

Failing Item:

- FWFLASH

CA00D003 CA00D003

Explanation: PCI probing complete

Failing Item:

- FWPCI5

CA00D004 CA00D004

Explanation: Start of install-console, loading GUI package

Failing Item:

- FWFLASH

CA00D008 CA00D008

Explanation: Initialize console and flush queues

Failing Item:

- FWFLASH

CA00D00C CA00D00C

Explanation: The partition firmware is about to search for an NVRAM script.

Failing Item:

- NEXTLVL

CA00D00D CA00D00D

Explanation: Evaluating NVRAM script.

Failing Item:

- FWFLASH

CA00D010 CA00D010

Explanation: First pass open firmware initialization complete; establish parameters for restart

Failing Item:

- FWFLASH

CA00D011 CA00D011

Explanation: First pass open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D012 CA00D012

Explanation: Second pass open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D013 CA00D013

Explanation: Run-time open firmware initialization complete; control returned to initialization firmware

Failing Item:

- FWFLASH

CA00D020 CA00D020

Explanation: The partition firmware is about to download and run the SLIC loader

Failing Item:

- FWFLASH

CA00D021 CA00D021

Explanation: The partition firmware is about to download and run the I/O reporter to collect VPD

Failing Item:

- FWFLASH

CA00E101 CA00E101**Explanation:** Create RTAS node**Failing Item:**

- FWFLASH
-

CA00E102 CA00E102**Explanation:** Load/initialize RTAS**Failing Item:**

- FWFLASH
-

CA00E105 CA00E105**Explanation:** Transfer control to the operating system (normal boot)**Problem determination:** See Problems with loading and starting the operating system.

CA00E10A CA00E10A**Explanation:** Load RTAS device tree**Failing Item:**

- FWFLASH
-

CA00E10B CA00E10B**Explanation:** Set RTAS device properties**Failing Item:**

- FWFLASH
-

CA00E110 CA00E110**Explanation:** Create the kdump properties**Failing Item:**

- FWFLASH
-

CA00E130 CA00E130**Explanation:** Build device tree**Failing Item:**

- FWFLASH
-

CA00E131 CA00E131**Explanation:** Create the root node properties**Failing Item:**

- FWFLASH
-

CA00E134 CA00E134**Explanation:** Create memory node**Failing Item:**

- FWFLASH
-

CA00E135 CA00E135**Explanation:** Create HCA node**Failing Item:**

- FWFLASH
-

CA00E136 CA00E136**Explanation:** Create BSR node**Failing Item:**

- FWFLASH
-

CA00E137 CA00E137**Explanation:** Create HEA node**Failing Item:**

- FWFLASH
-

CA00E138 CA00E138**Explanation:** Create options node**Failing Item:**

- FWFLASH
-

CA00E139 CA00E139**Explanation:** Create aliases node and system aliases**Failing Item:**

- FWFLASH
-

CA00E13A CA00E13A**Explanation:** Create packages node**Failing Item:**

- FWFLASH
-

CA00E13B CA00E13B**Explanation:** Create HEA node**Failing Item:**

- FWFLASH
-

CA00E13C CA00E13C**Explanation:** Create HEA port node**Failing Item:**

- FWFLASH
-

CA00E13D • CA00E15B

CA00E13D CA00E13D

Explanation: Create host fabric interface (HFI) I/O hub node

Failing Item:

- FWFLASH

CA00E13E CA00E13E

Explanation: Create host fabric interface (HFI) Ethernet node

Failing Item:

- FWFLASH

CA00E140 CA00E140

Explanation: Loading the operating system

Problem determination: See "Problems with loading and starting the operating system"

CA00E141 CA00E141

Explanation: Synchronize the operating system bootlist to the management module bootlist

Failing Item:

- FWFLASH

CA00E142 CA00E142

Explanation: Management module bootlist is being set from the operating system boot list

Failing Item:

- FWFLASH

CA00E143 CA00E143

Explanation: Operating system bootlist is being set from the management module bootlist

Failing Item:

- FWFLASH

CA00E149 CA00E149

Explanation: Create boot mgr node

Failing Item:

- FWFLASH

CA00E14C CA00E14C

Explanation: Create terminal emulator node

Failing Item:

- FWFLASH

CA00E14D CA00E14D

Explanation: Load boot image

Problem determination: See "Problems with loading and starting the operating system"

CA00E150 CA00E150

Explanation: Create host (primary) PCI controller node

Failing Item:

- FWFLASH

CA00E151 CA00E151

Explanation: Probing PCI bus

Failing Item:

- FWPCI5

CA00E152 CA00E152

Explanation: Probing for adapter FCODE; evaluate if present

Failing Item:

- FWPCI5

CA00E153 CA00E153

Explanation: End adapter FCODE probing and evaluation

Failing Item:

- FWPCI5

CA00E154 CA00E154

Explanation: Create PCI bridge node

Failing Item:

- FWPCI5

CA00E155 CA00E155

Explanation: Probing PCI bridge secondary bus

CA00E156 CA00E156

Explanation: Create plug-in PCI bridge node

Failing Item:

- FWPCI5

CA00E15B CA00E15B

Explanation: Transfer control to Operating System (service mode boot)

Problem determination: See "Problems with loading

and starting the operating system"

CA00E15F CA00E15F

Explanation: Adapter VPD evaluation

Failing Item:

- FWPCI5

CA00E170 CA00E170

Explanation: Start of PCI BUS probe

Failing Item:

- FWPCI5

CA00E172 CA00E172

Explanation: First pass PCI device probe

Failing Item:

- FWPCI5

CA00E174 CA00E174

Explanation: Establishing host connection

Failing Item:

- FWHOST

CA00E175 CA00E175

Explanation: BootP request

Failing Item:

- FWHOST

CA00E176 CA00E176

Explanation: TFTP file transfer

Problem determination: See "Problems with loading and starting the operating system"

CA00E177 CA00E177

Explanation: Transfer failure due to TFTP error condtion

Problem determination: See "Problems with loading and starting the operating system"

CA00E178 CA00E178

Explanation: Initiating TFTP file transfer

Response:

1. Make sure that:
 - The bootp server is correctly configured, then retry the operation.
 - The network connections are correct, then retry the operation.

2. Look for server firmware updates; apply if available.

CA00E179 CA00E179

Explanation: Closing BOOTP

Response:

1. Make sure that:
 - The bootp server is correctly configured, then retry the operation.
 - The network connections are correct, then retry the operation.
2. Look for server firmware updates; apply if available.

CA00E17B CA00E17B

Explanation: Processor clock speed measurement

Failing Item:

- NEXTLVL

CA00E198 CA00E198

Explanation: Rebooting partition to enact changes specified in ibm,client-archtiecture-support.

Problem determination: See "Problems with loading and starting the operating system"

CA00E199 CA00E199

Explanation: The partition is rebooting to enact changes that were specified the ELF header of the boot image.

Problem determination: See "Problems with loading and starting the operating system"

CA00E19A CA00E19A

Explanation: NVRAM auto-boot? variable not found - assume FALSE

Failing Item:

- FWFLASH

CA00E19B CA00E19B

Explanation: NVRAM menu? variable not found - assume FALSE

Failing Item:

- FWFLASH

CA00E19D • CA00E1AE

CA00E19D CA00E19D

Explanation: Create NVRAM node

Failing Item:

- FWFLASH

CA00E19E CA00E19E

Explanation: Real-time clock (RTC) initialization

Failing Item:

- FWFLASH

CA00E1A0 CA00E1A0

Explanation: User requested boot to SMS menus by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A1 CA00E1A1

Explanation: User requested boot to open firmware prompt by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A2 CA00E1A2

Explanation: User requested boot using default service mode boot list by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A3 CA00E1A3

Explanation: User requested boot using customized service mode boot list by using keyboard entry

Failing Item:

- FWFLASH

CA00E1A4 CA00E1A4

Explanation: User requested boot to SMS menus by using the Hardware Management Console or a service processor command

Failing Item:

- FWFLASH

CA00E1A5 CA00E1A5

Explanation: User requested boot to open firmware prompt by using the HMC or a service processor command

Failing Item:

- FWFLASH

CA00E1A6 CA00E1A6

Explanation: User requested boot using default service mode boot list by using the HMC or a service processor command

Failing Item:

- FWFLASH

CA00E1A7 CA00E1A7

Explanation: User requested boot using customized service mode boot list by using the HMC or a service processor command.

Failing Item:

- FWFLASH

CA00E1AA CA00E1AA

Explanation: System boot check for NVRAM Settings

Failing Item:

- FWFLASH

CA00E1AB CA00E1AB

Explanation: System booting using the default service mode boot list

Failing Item:

- FWFLASH

CA00E1AC CA00E1AC

Explanation: System booting using the customized service mode boot list

Failing Item:

- FWFLASH

CA00E1AD CA00E1AD

Explanation: System booting to the operating system

Failing Item:

- FWFLASH

CA00E1AE CA00E1AE

Explanation: System booted to SMS multiboot menu by using NVRAM settings

Failing Item:

- FWBOOT

CA00E1AF CA00E1AF

Explanation: System booted to SMS utilities menu by using NVRAM settings

Failing Item:

- FWFLASH
-

CA00E1B0 CA00E1B0

Explanation: Process HMC-specified boot device specifier

Failing Item:

- FWFLASH
-

CA00E1B1 CA00E1B1

Explanation: System booting with HMC or hosting-partition directed boot-device repair

Failing Item:

- FWFLASH
-

CA00E1B2 CA00E1B2

Explanation: XOFF received, waiting for XON

Failing Item:

- FWVTHMC
-

CA00E1B3 CA00E1B3

Explanation: XON received

Problem determination: This checkpoint flashes by so quickly on the control panel that you cannot see it. The progress indicators log may contain a reference to it, which you can access by using the ASMI menus. If a partition hangs on this checkpoint, perform the action specified in the Failing Item column.

Failing Item:

- FWPCI5
-

CA00E1B4 CA00E1B4

Explanation: HMC or hosting-partition directed boot-string did not load an operating system repair

Failing Item:

- NEXTLVL
-

CA00E1B5 CA00E1B5

Explanation: Checking for iSCSI disk aliases

Failing Item:

- FWPCI5
-

CA00E1D0 CA00E1D0

Explanation: Create PCI SCSI node

Failing Item:

- FWPCI5
-

CA00E1D3 CA00E1D3

Explanation: Create SCSI block device node (SD)

Failing Item:

- FWPCI5
-

CA00E1D4 CA00E1D4

Explanation: Create SCSI byte device node (ST)

Failing Item:

- FWPCI5
-

CA00E1DC CA00E1DC

Explanation: Dynamic console selection

Failing Item:

- FWCONS
-

CA00E1DD CA00E1DD

Explanation: A graphics adapter was selected as the firmware console, but the USB keyboard is not attached.

Problem determination: Ensure that a USB keyboard is attached to a USB port that is assigned to the partition.

Failing Item:

- FWCONS
-

CA00E1F0 CA00E1F0

Explanation: Start out-of-box experience

Failing Item:

- FWFLASH
-

CA00E1F1 CA00E1F1

Explanation: Start selftest sequence on one or more devices

Failing Item:

- FWFLASH
-

CA00E1F5 CA00E1F5

Explanation: Build boot device list

Problem determination:

CA00E1F6 • CA00E442

1. If the system or partition hangs on this checkpoint, look for a location code in the operator panel. If a location code is being displayed when the hang occurs, suspect the device at that location code.
2. If the device at that location code is good, suspect the other bootable devices that are on the same bus, such as an IDE bus.
3. If no location codes are displayed, remove all of the bootable devices in the system or partition. Add them back in one at a time, and reboot the partition after each one is added. This should isolate the device that is causing the hang; replace it.

CA00E1F6 CA00E1F6

Explanation: Determine boot device sequence

Failing Item:

- FWFLASH

CA00E1F7 CA00E1F7

Explanation: Boot invalid or stopped

Problem determination: See "Problems with loading and starting the operating system"

CA00E1F8 CA00E1F8

Explanation: Build boot device list for SCSI adapters (displays the location code of the SCSI adapter being scanned)

Failing Item:

- FWPCI5

CA00E1F9 CA00E1F9

Explanation: Build boot device list for Fibre Channel adapters (displays the location of the SAN adapter being scanned)

Failing Item:

- FWPCI5

CA00E1FA CA00E1FA

Explanation: Building device list for SCSI adapters (displays the device ID and device LUN of the devices being scanned)

Failing Item:

- FWPCI5

CA00E1FB CA00E1FB

Explanation: Scan SCSI bus for attached devices

Failing Item:

- FWSCSIH

CA00E1FC CA00E1FC

Explanation: Build boot device list for SSA adapters (displays the location code of the SSA adapter being scanned)

Failing Item:

- FWPCI5

CA00E1FE CA00E1FE

Explanation: Building device list for Fibre Channel (SAN) adapters (displays the WWPN of the fibre-channel adapter being scanned)

Problem determination:

1. If the system or partition hangs on this checkpoint, remove the fibre channel adapter(s) from the system or partition and reboot. If the problem is resolved, replace the fibre channel adapter that was causing the hang.
2. If step 1 does not isolate the problem, contact your next level of support.

CA00E1FF CA00E1FF

Explanation: Build device list for Fibre Channel (SAN) adapters (displays the LUN for each device being scanned)

Problem determination:

1. If the system or partition hangs on this checkpoint, remove the fibre channel adapter(s) from the system or partition and reboot. If the problem is resolved, replace the fibre channel adapter that was causing the hang.
2. If step 1 does not isolate the problem, contact your next level of support.

CA00E440 CA00E440

Explanation: Validate NVRAM, initialize partitions as needed

Failing Item:

- FWFLASH

CA00E441 CA00E441

Explanation: Generate /options node NVRAM configuration variable properties

Failing Item:

- FWFLASH

CA00E442 CA00E442

Explanation: Validate NVRAM partitions

Failing Item:

- FWFLASH

CA00E443 CA00E443

Explanation: Generate NVRAM configuration variable dictionary words

Problem determination: Suspect a system firmware problem if the problem persists.

Failing Item:

- FWFLASH
-

CA00E444 CA00E444

Explanation: NVRAM size is less than 8K bytes

Failing Item:

- FWFLASH
-

CA00E701 CA00E701

Explanation: Create memory VPD

Failing Item:

- FWFLASH
-

CA00E800 CA00E800

Explanation: Initialize gdata for the control (operator) panel

Failing Item:

- FWFLASH
-

CA00E820 CA00E820

Explanation: Initializing lpevent

Failing Item:

- FWFLASH
-

CA00E830 CA00E830

Explanation: Initializing event scan

Failing Item:

- FWFLASH
-

CA00E840 CA00E840

Explanation: Initializing hot plug

Failing Item:

- FWFLASH
-

CA00E843 CA00E843

Explanation: Initializing interface/aix access

Failing Item:

- FWFLASH
-

CA00E850 CA00E850

Explanation: Initializing dynamic reconfiguration

Failing Item:

- FWFLASH
-

CA00E860 CA00E860

Explanation: Initializing sensors

Failing Item:

- FWFLASH
-

CA00E865 CA00E865

Explanation: Initializing VPD

Failing Item:

- FWFLASH
-

CA00E870 CA00E870

Explanation: Initializing pfd's memory manager

Failing Item:

- FWFLASH
-

CA00E875 CA00E875

Explanation: Initializing rtas_last_error

Failing Item:

- FWFLASH
-

CA00E876 CA00E876

Explanation: Initializing rtas_error_inject

Failing Item:

- FWFLASH
-

CA00E877 CA00E877

Explanation: Initialize dump interface

Failing Item:

- FWFLASH
-

CA00E879 CA00E879

Explanation: Initialize the platform-assisted kdump interface

Failing Item:

- FWFLASH
-

CA00E880 • CA2799FF

CA00E880 CA00E880

Explanation: The firmware version is being sent to the hypervisor.

Failing Item:

- FWFLASH

CA00E885 CA00E885

Explanation: Initializing set-power-level

Failing Item:

- FWFLASH

CA00E886 CA00E886

Explanation: Initializing exit2c

Failing Item:

- FWFLASH

CA00E887 CA00E887

Explanation: Initialize gdata for activate_firmware

Failing Item:

- FWFLASH

CA00E890 CA00E890

Explanation: Starting to initialize open firmware

Failing Item:

- FWFLASH

CA00E891 CA00E891

Explanation: Finished initializing open firmware

Failing Item:

- FWFLASH

CA00E8A0 CA00E8A0

Explanation: The pinned page manager is being initialized.

Failing Item:

- FWFLASH

CA00EAA1 CA00EAA1

Explanation: Probe PCI-PCI bridge bus

Failing Item:

- FWPCI5

CA060203 CA060203

Explanation: An alias was modified or created

Failing Item:

- FWFLASH

CA26FFFF CA26FFFF

Explanation: An extended amount of time was required while waiting for lpevent to complete.

Failing Item:

- FWFLASH

CA26TTSS CA26TTSS

Explanation: Waiting for lpevent of type tt and subtype ss

Failing Item:

- FWFLASH

CA279001 CA279001

Explanation: The firmware update image contains an update module that is not present in the current image.

CA2799FD CA2799FD

Explanation: The service processor is receiving a server firmware update module

Problem determination: This checkpoint alternates in the control panel with CA2799FF. This pair of checkpoints might stay in the display for up to 30 minutes with no other indication of activity. Do not assume that the system is hung until ONLY CA2799FD has remained in the control panel for at least 30 minutes with no other indication of activity.

If the system hangs on CA2799FD (it is NOT alternating with CA2799FF), power off the system and reboot from the permanent side. Reject the image on the temporary side.

CA2799FF CA2799FF

Explanation: The service processor is writing a server firmware update module.

Problem determination: This checkpoint alternates in the control panel with CA2799FD. This pair of checkpoints might stay in the display for up to 30 minutes with no other indication of activity. Do not assume that the system is hung until ONLY CA2799FF has remained in the control panel for at least 30 minutes with no other indication of activity.

If the system hangs on CA2799FF (it is NOT alternating with CA2799FD), power off the system and reboot from the permanent side. Reject the image on the temporary side.

CA350000 CA350000

Explanation: Begin input/output reporting (IOR) routines.

Failing Item:

- FWFLASH

CA350009 CA350009

Explanation: Begin data collection from a PCI device.

If the system or partition hangs on this code, it may indicate a problem with the device identified by the location code reported with this progress code. Look for SRCs with the format BAXx yyyy in the system management services (SMS) firmware error log; correct any problems that are found.

CA350010 CA350010

Explanation: The input/output reporting (IOR) device driver is executing.

If the system or partition hangs on this code, it may indicate a problem with the device identified by the location code reported with this progress code. Look for SRCs with the format BAXx yyyy in the system management services (SMS) firmware error log; correct any problems that are found.

CA350011 CA350011

Explanation: Execution of the input/output reporting (IOR) device driver is complete.

Failing Item:

- FWFLASH

CA35FFFF CA35FFFF

Explanation: The input/output reporting (IOR) routines have completed.

Failing Item:

- FWFLASH

(CF00) Linux kernel boot progress codes

CF000012 CF000012

Explanation: Set up initialization.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000015 CF000015

Explanation: Set up is complete.

Problem determination: If the system or partition does not progress past this code, contact your Linux provider.

CF000020 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 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 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 IBM i product activity log and the Advanced System Manage Interface (ASMI).

D1XXC351 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 D1XXCA01

Explanation: Informational message: Items that were deconfigured by the system were guarded out.

D1XXCA02 D1XXCA02

Explanation: Informational message: items that were deconfigured by the user via the ASMI menus were guarded out.

D1XXCA03 D1XXCA03

Explanation: Informational message: The guard data has been cleared.

D1XXCA04 D1XXCA04

Explanation: Informational message: There is a new version of the guard data.

D1XXCA05 D1XXCA05

Explanation: Informational message: The guard data was corrupted, and has been rebuilt.

D1XXCA06 D1XXCA06

Explanation: Informational message: There was an error when opening a file.

D1XXCA07 D1XXCA07

Explanation: Informational message: There was an error when reading a file.

D1XXCA08 D1XXCA08

Explanation: Informational message: There was an error when writing a file.

D1XXCA09 D1XXCA09

Explanation: Informational message: There was an error when closing a file.

D1XXCA0A D1XXCA0A

Explanation: Informational message: There was an link file error.

D1XXCA0B D1XXCA0B

Explanation: Informational message: Failure when setting the DIMM status in the hardware object manager.

D1XXCA0C D1XXCA0C

Explanation: Informational message: Failure when setting the status of a device other than a DIMM.

D1XXCA0D D1XXCA0D

Explanation: Informational message: Failure when reading the system type.

D1XXCA0E D1XXCA0E

Explanation: Informational message: Failure when reading a registry entry.

D1XXCA0F • D1XXCA16

D1XXCA0F D1XXCA0F

Explanation: Informational message: Failure when getting VPD data.

D1XXCA10 D1XXCA10

Explanation: Informational message: Items that had been guarded out were recovered.

D1XXCA11 D1XXCA11

Explanation: Informational message: The resource ID was not found in the list.

D1XXCA12 D1XXCA12

Explanation: Informational message: Manual configuration or deconfiguration is not allowed.

D1XXCA13 D1XXCA13

Explanation: Informational message: The buffer size is invalid.

D1XXCA14 D1XXCA14

Explanation: Informational message: Unable to return a valid guard state for the requested resource.

D1XXCA15 D1XXCA15

Explanation: Informational message: The guard action that was requested is not allowed.

D1XXCA16 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 • D1FF1XXX

D13B1XXX 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 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 **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.

D1XX3Y07 **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.

D1XX3Y02 **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.

D1XX3Y08 **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.

D1XX3Y03 **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.

D1XX3Y09 **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.

D1XX3Y04 **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.

D1XX3Y0A **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.

D1XX3Y05 **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.

D1XX3Y0B **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.

D1XX3Y06 **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.

D1XX3Y0C **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 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 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 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 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 **D200A100**

Explanation: Received MSD SP attention

D200A110 **D200A110**

Explanation: Received CPM SP attention

D200A120 **D200A120**

Explanation: Received LL SP attention

D200A130 **D200A130**

Explanation: Received RPA end-of-life event

D200A200 **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 **D200B050**

Explanation: Begin transfer slot locks to VSP

D200B05F **D200B05F**

Explanation: End transfer slot locks to VSP

D200B060 **D200B060**

Explanation: Begin transfer VIO slot locks to VSP

D200B06F **D200B06F**

Explanation: End transfer VIO slot locks to VSP

D200B070 **D200B070**

Explanation: Begin reset slots

D200B077 **D200B077**

Explanation: Waiting for reset slots

D200B07F **D200B07F**

Explanation: End reset slots

D200B080 **D200B080**

Explanation: Begin reset VIO slots

D200B08F **D200B08F**

Explanation: End reset VIO slots

D200B090 **D200B090**

Explanation: Begin soft POR slots

D200B097 **D200B097**

Explanation: Waiting soft POR slots

D200B09F **D200B09F**

Explanation: End soft POR slots

D200B100 **D200B100**

Explanation: Sending Hypervisor reset

D200B1FF **D200B1FF**

Explanation: Hypervisor reset successfully sent

D200B200 **D200B200**

Explanation: Begin forced LP reset (after the 1 second timeout)

D200B210 **D200B210**

Explanation: Send CSP/FSP soft processor reset command (word 3 processor ID, word 4 thread ID)

D200B2FF • D200E1FF

D200B2FF D200B2FF

Explanation: End forced LP reset

D200B300 D200B300

Explanation: Closing Hypervisor events paths

D200B310 D200B310

Explanation: Deactivating panel functions

D200B3FF D200B3FF

Explanation: Hypervisor reset complete successfully

D200C100 D200C100

Explanation: Sending Hypervisor I/O reset

D200C1FF D200C1FF

Explanation: Hypervisor I/O reset sent successfully

D200C200 D200C200

Explanation: Deallocating events

D200C2FF D200C2FF

Explanation: Hypervisor I/O reset complete successfully

D200D100 D200D100

Explanation: Removing partition configuration resources

D200D1FF D200D1FF

Explanation: Partition resources removed successfully

D200E050 D200E050

Explanation: Begin power off slots

D200E057 D200E057

Explanation: Waiting power off slots

D200E05F D200E05F

Explanation: End power off slots

D200E060 D200E060

Explanation: Begin power off VIO slots

D200E06F D200E06F

Explanation: End power off VIO slots

D200E080 D200E080

Explanation: Begin release slot locks

D200E08F D200E08F

Explanation: End release slot locks

D200E090 D200E090

Explanation: Begin release VIO slot locks

D200E09F D200E09F

Explanation: End release VIO slot locks

D200E0A0 D200E0A0

Explanation: Begin unassociate of system ports

D200E0A8 D200E0A8

Explanation: Unassociate system ports from an RPA partition

D200E0AF D200E0AF

Explanation: End unassociate of system ports

D200E100 D200E100

Explanation: Power off SPCN racks

D200E110 D200E110

Explanation: Issuing a rack power off command

D200E120 D200E120

Explanation: Rack power off command complete successfully

D200E1FF 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 **D6000298**

Explanation: Managed system power down started

D6000299 **D6000299**

Explanation: Managed system power down status

D6000483 **D6000483**

Explanation: Power failed; delay timer is running

D6000484 **D6000484**

Explanation: MI run in progress

D600430A **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 **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 **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 **D6005500**

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache

D6005501 **D6005501**

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully

D6005502 **D6005502**

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache

D6005503 **D6005503**

Explanation: Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success

D6xx0298 **D6xx0298**

Explanation: Managed system power down started

D6xx0299 **D6xx0299**

Explanation: Managed system power down status

D6xx0483 **D6xx0483**

Explanation: Power failed; delay timer is running

D6xx0484 **D6xx0484**

Explanation: MI run in progress

D6xx430A **D6xx430A**

Explanation: Operating system service partition power down status: indicates that a server firmware code

D6xx430B • D6xx5503

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 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 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 D6xx5500

Explanation: Managed system power down status; attempting to delete information from the disk subsystem cache

D6xx5501 D6xx5501

Explanation: Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully

D6xx5502 D6xx5502

Explanation: Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache

D6xx5503 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 **Refcode_D9002740**

Explanation: Power off immediate

D9002750 **Refcode_D9002750**

Explanation: All subsystems ended

D9002760 **Refcode_D9002760**

Explanation: Device configuration shutdown

D9002770 **Refcode_D9002770**

Explanation: QLUS job ending

D9002780 **Refcode_D9002780**

Explanation: Close database cross-reference files

D9002790 **Refcode_D9002790**

Explanation: QSYSARB job ending

D90027C0 **Refcode_D90027C0**

Explanation: System jobs are ending

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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.
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Der verantwortliche Ansprechpartner des Herstellers in der EU ist:
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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:
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VCCI Statement - Japan

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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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Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit

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Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

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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

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email: tjahn@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.

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