Power Systems

Progress Codes

SA76-0093-04

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Note

Before using this information and the product it supports, read the information in "Notices" on page 81 and the *IBM Systems Safety Information* manual, G229-9054.

Fifth Edition (April 2008)

This edition applies to IBM Power™ Systems servers that contain the POWER6™ processor and to all associated models.

This edition replaces SA76-0093-03.

Contents

Safety and environmental 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

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)

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.

Product recycling and disposal

This unit must be recycled or discarded according to applicable local and national regulations. IBM encourages owners of information technology (IT) equipment to responsibly recycle their equipment when it is no longer needed. IBM offers a variety of product return programs and services in several countries to assist equipment owners in recycling their IT products. Information on IBM product recycling offerings can be found on IBM's Internet site at http://www.ibm.com/ibm/environment/products/index.shtml.

Esta unidad debe reciclarse o desecharse de acuerdo con lo establecido en la normativa nacional o local aplicable. IBM recomienda a los propietarios de equipos de tecnología de la información (TI) que reciclen responsablemente sus equipos cuando éstos ya no les sean útiles. IBM dispone de una serie de programas y servicios de devolución de productos en varios países, a fin de ayudar a los propietarios de equipos a reciclar sus productos de TI. Se puede encontrar información sobre las ofertas de reciclado de productos de IBM en el sitio web de IBM http://www.ibm.com/ibm/environment/products/index.shtml.

Note: This mark applies only to countries within the European Union (EU) and Norway.

Appliances are labeled in accordance with European Directive 2002/96/EC concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling

of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

Remarque : Cette marque s'applique uniquement aux pays de l'Union Européenne et à la Norvège.

L'etiquette du système respecte la Directive européenne 2002/96/EC en matière de Déchets des Equipements Electriques et Electroniques (DEEE), qui détermine les dispositions de retour et de recyclage applicables aux systèmes utilisés à travers l'Union européenne. Conformément à la directive, ladite étiquette précise que le produit sur lequel elle est apposée ne doit pas être jeté mais être récupéré en fin de vie.

注意: このマークは EU 諸国およびノルウェーにおいてのみ適用されます。

この機器には、EU 諸国に対する廃電気電子機器指令 2002/96/EC(WEEE) のラベルが貼られています。この指令は、EU 諸国に適用する使用済み機器の回収とリサイクルの骨子を定めています。このラベルは、使用済みになった時に指令に従って適正な処理をする必要があることを知らせるために種々の製品に貼られています。

In accordance with the European WEEE Directive, electrical and electronic equipment (EEE) is to be collected separately and to be reused, recycled, or recovered at end of life. Users of EEE with the WEEE marking per Annex IV of the WEEE Directive, as shown above, must not dispose of end of life EEE as unsorted municipal waste, but use the collection framework available to customers for the return, recycling, and recovery of WEEE. Customer participation is important to minimize any potential effects of EEE on the environment and human health due to the potential presence of hazardous substances in EEE. For proper collection and treatment, contact your local IBM representative.

Battery return program

This product may contain sealed lead acid, nickel cadmium, nickel metal hydride, lithium, or lithium ion battery. Consult your user manual or service manual for specific battery information. The battery must be recycled or disposed of properly. Recycling facilities may not be available in your area. For information on disposal of batteries outside the United States, go to http://www.ibm.com/ibm/environment/products/index.shtml or contact your local waste disposal facility.

In the United States, IBM has established a return process for reuse, recycling, or proper disposal of used IBM sealed lead acid, nickel cadmium, nickel metal hydride, and other battery packs from IBM Equipment. For information on proper disposal of these batteries, contact IBM at 1-800-426-4333. Please have the IBM part number listed on the battery available prior to your call.

For Taiwan: Please recycle batteries.

For the European Union:

EU Only

Note: This mark applies only to countries within the European Union (EU).

Batteries or packaging for batteries are labeled in accordance with European Directive 2006/66/EC concerning batteries and accumulators and waste batteries and accumulators. The Directive determines the framework for the return and recycling of used batteries and accumulators as applicable throughout the European Union. This label is applied to various batteries to indicate that the battery is not to be thrown away, but rather reclaimed upon end of life per this Directive.

Les batteries ou emballages pour batteries sont étiquetés conformément aux directives européennes 2006/66/EC, norme relative aux batteries et accumulateurs en usage et aux batteries et accumulateurs usés. Les directives déterminent la marche à suivre en vigueur dans l'Union Européenne pour le retour et le recyclage des batteries et accumulateurs usés. Cette étiquette est appliquée sur diverses batteries pour indiquer que la batterie ne doit pas être mise au rebut mais plutôt récupérée en fin de cycle de vie selon cette norme.

バッテリーあるいはバッテリー用のパッケージには、EU 諸国に対する廃電気電子機器指令 2006/66/EC のラベルが貼られています。この指令は、バッテリーと蓄電池、および廃棄バッテリーと蓄電池に関するものです。この指令は、使用済みバッテリーと蓄電池の回収とリサイクルの骨子を定めているもので、EU 諸国にわたって適用されます。このラベルは、使用済みになったときに指令に従って適正な処理をする必要があることを知らせるために種々のバッテリーに貼られています。

In accordance with the European Directive 2006/66/EC, batteries and accumulators are labeled to indicate that they are to be collected separately and recycled at end of life. The label on the battery may also include a chemical symbol for the metal concerned in the battery (Pb for lead, Hg for mercury and Cd for cadmium). Users of batteries and accumulators must not dispose of batteries and accumulators as unsorted municipal waste, but use the collection framework available to customers for the return, recycling, and treatment of batteries and accumulators. Customer participation is important to minimize any potential effects of batteries and accumulators on the environment and human health due to the potential presence of hazardous substances. For proper collection and treatment, contact your local IBM representative.

For California: Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

The foregoing notice is provided in accordance with California Code of Regulations Title 22, Division 4.5 Chapter 33. Best Management Practices for Perchlorate Materials. This product, part, or both may include a lithium manganese dioxide battery which contains a perchlorate substance.

About this publication

This publication provides a list of progress codes. Progress codes (or checkpoints) offer information about the stages involved in powering on and performing an 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 Hardware Management Console (HMC).

For information about the accessibility features of this product, for users who have a physical disability, see "Accessibility features," on page 79.

How to send your comments

Your feedback is important in helping to provide the most accurate and highest quality information. If you have any comments about this publication, use the **Feedback** button at http://www.ibm.com/systems/infocenter. Alternatively, you can send your comments to pubsinfo@us.ibm.com. Be sure to include the name of the book, the form number of the book, and the specific location of the text you are commenting on (for example, a page number or table number).

Chapter 1. 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 on only when running AIX or booting standalone diagnostics. The codes do not occur on servers that run Linux® 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.

2000	**Dynamic LPAR CPU Addition**
2001	**Dynamic LPAR CPU Removal**
2002	**Dynamic LPAR Memory Addition**
2003	**Dynamic LPAR Memory Removal**
2004	**DLPAR Maximum Memory size too large**
2010	**HTX miscompare**
2011	**Configuring device model 2107 fcp**
2012	**Configuring device model 2107 iscsi**
2013	**Configuring MR-1750 (device model 1750) fcp**
2014	**Configuring MR-1750 (device model 1750) iscsi**
2015	**Configuring SVC (device model 2145) fcp**
2016	**Configuring SVCCISCO (device model 2062) fcp**
2017	**Configuring SVCCISCO (device model 2062) iscsi**
2018	**Configuring Virtual Management Channel driver**
2019	**Configuring vty server**
201B	**Configuring a virtual SCSI optical device**
2020	**Configuring InfiniBand™ ICM kernel component**
2021	**Configuring TCP InfiniBand Interface kernel component**
2502	**Configuring PCI-X 266 Planar 3 GB SAS integrated adapter**
2503	**Configuring PCI-X 266 Planar 3 GB SAS RAID integrated adapter**

2504	Configuring a PCI-Express x1 Auxiliary Cache adapter
2505	Configuring a PCI-X266 Planar 3Gb SAS RAID Adapter
2512	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2513	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2514	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2515	Configuring a PCI-X DDR JBOD SAS adapter
2516	Configuring a PCI-X Express DDR JBOD SAS adapter
2517	Configuring PCI-XDDR RAID SAS adapter
2518	Configuring PCI-Express RAID SAS adapter
2520	PCI Dual-Channel Ultra-3 SCSI adapter being identified or configured.
2522	PCI-X Dual Channel Ultra320 SCSI Adapter
2523	PCI-X Ultra320 SCSI RAID Adapter
2525	Configuring integrated PCI-X dual channel U320 SCSI RAID enablement card.
2526	PCI-X Ultra320 SCSI RAID Battery Pack
2527	PCI-X Quad Channel U320 SCSI RAID Adapter
2528	PCI-X Dual Channel Ultra320 SCSI adapter
2529	PCI-X Dual Channel Ultra320 SCSI RAID adapter
252B	PCI-X Dual Channel Ultra320 SCSI RAID adapter
252D	PCI-X DDR Dual Channel Ultra320 SCSI RAID adapter
2530	10/100 Mbps Ethernet PCI Adapter II being configured.
2531	Configuring 10 Gigabit-LR Ethernet PCI-X adapter
2532	Configuring 10 Gigabit-SR Ethernet PCI-X adapter
2533	10 GB Ethernet -SR PCI-X 2.0 DDR adapter being configured
2534	10 GB Ethernet -LR PCI-X 2.0 DDR adapter being configured
2535	4-Port 10/100/1000 Base-TX Ethernet PCI-X Adapter being configured.
2547	Generic 522 bites per sector SCSI JBOD (not osdisk) Disk Drive
254E	Fibre Channel Expansion Card
2550	Configuring a POWER GXT4500P graphics adapter
2551	Configuring a POWER GXT6500P graphics adapter
2562	Keyboard/Mouse Attachment Card-PCI being configured.
2564	Keyboard/Mouse Attachment Card-PCI being configured.
2566	USB 3.5 inch Micro Diskette Drive
2568	Generic USB CD-ROM Drive

256E	Configuring a 4-port 10/100/1000 Base-TX PCI express adapter
2570	Configuring an IBM cryptographic accelerator PCI adapter
2571	2-Port PCI Asynchronous EIA-232 Adapter
2580	Configuring a SCSI accessed fault-tolerant enclosure (SAF-TE) device
2581	1 GB iSCSI TOE PCI-X adapter is being configured (copper connector)
2582	iSCSI protocol device associated with an iSCSI adapter is being configured
2583	1 GB iSCSI TOE PCI-X adapter being configured (copper connector)
2584	IDE DVD-RAM drive being configured
2585	IDE DVD-ROM drive being configured
2586	Configuring host Ethernet adapter
2587	Configuring a slimline DVD-ROM drive
2588	Configuring a 4.7 GB slimline DVD-RAM drive
2590	IDE CD-ROM drive being configured
2591	IDE DVD-ROM drive being configured.
2592	IDE DVD-ROM drive being configured.
2593	IDE DVD-RAM drive being configured.
2594	4.7 GB IDE slimline DVD-RAM drive
2595	IDE slimline DVD-ROM drive
25A0	I/O Planar Control Logic for IDE devices
25B9	Ethernet Adapter (Fiber)
25C0	Gigabit Ethernet-SX PCI-X adapter
25C1	10/100/1000 base-TX Ethernet PCI-X adapter
25C2	Dual Port Gigabit SX Ethernet PCI-X Adapter
25C3	10/100/1000 Base-TX Dual Port PCI-Adapter
25C4	Broadcom Dual-Port Gigabit Ethernet PCI-X Adapter
25D0	Configuring a PCI audio adapter
25D2	LSI SAS adapter
25F8	Configuring a 1 GB PCI-X iSCSI TOE Ethernet adapter (copper)
2600	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.
2601	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.
2602	PCI 64-Bit 4 GB fibre channel adapter
2611	36/72 GB 4 mm internal tape drive
2612	80/160 GB internal tape drive with VXA2 technology
2613	200/400 GB LTO2 Tape drive
2614	VXA3 160/320 GB Tape Drive
2615	Configuring a DAT160 80GB tape drive
2616	Configuring a 36/72GB 4mm Internal Tape Drive
2617	Configuring a LTO3 400 GB tape drive

2618	**Configuring a SAS 400 GB/1.6 TB Ultrium 4 tape drive**
2621	**PCI-X Dual-port 4x HCA Adapter being configured**
2624	**4X PCI-E DDR InfiniBand Host Channel adapter**
2631	**Integrated IDE controller**
2640	**IDE Disk Drive, 2.5 inch**
2641	**73 GB SCSI disk drive 68 pin 10K rpm being identified or configured.**
2642	**73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.**
2643	**73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower™ systems)**
2644	**146 GB SCSI disk drive 68 pin 10K rpm being identified or configured.**
2645	**146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.**
2646	**146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)**
2647	**300 GB SCSI disk drive 68 pin 10K rpm being identified or configured.**
2648	**300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.**
2649	**300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)**
264B	**36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.**
264D	**36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)**
264E	**73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.**
2650	**ESS iSCSI devices being identified or configured.**
2651	**SVC being identified or configured.**
2652	**SVCCISCOi being identified or configured.**
2653	**73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For HV systems)**
2654	**146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.**
2655	**146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)**
2656	**73 GB SCSI disk drive 80 pin 15K rpm being identified or configured.**
2657	**146 GB SCSI disk drive 80 pin 15K rpm being identified or configured.**
2658	**73 GB SCSI disk drive 80 pin 10K rpm being identified or configured.**
2659	**146 GB SCSI disk drive 80 pin 10K rpm being identified or configured.**
265B	**300 GB SCSI disk drive 80 pin 10K rpm being identified or configured.**
2667	**An electronics tray, also known as the enclosure services manager is being identified or configured**

Note: The 2667 code could also appear if you are having system backplane problems when running on one of the following servers: 8203-E4A, 8204-E8A, or 9117-MMA

2680	A generic SAS adapter is being identified or configured
2681	DVD tray assembly.
2D01	PCI-X Quad Channel U320 SCSI RAID Battery Pack
2D02	Generic USB Reference to Controller/Adapter
2D05	PCI-X266 Planar 3 GB SAS RAID adapter battery pack
2D07	Configuring a PCI X DDR Auxiliary Cache adapter
2E01	10Gb Ethernet-SR PCI-E Adapter
2E02	10Gb Ethernet-LR PCI-E Adapter
2E6	The PCI Differential Ultra SCSI adapter or the Universal PCI Differential Ultra SCSI adapter being configured.
2E7	Configuration method unable to determine if the SCSI adapter type is SE or DE type.
440	9.1GB Ultra SCSI Disk Drive being identified or configured.
441	18.2 GB Ultra SCSI Disk Drive being identified or configured.
444	2-Port Multiprotocol PCI Adapter (ASIC) being identified or configured.
447	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.
458	36 GB DAT72 Tape Drive
459	36 GB DAT72 Tape Drive
45D	200 GB HH LTO2 Tape drive
500	Querying Standard I/O slot.
501	Querying card in Slot 1.
502	Querying card in Slot 2.
503	Querying card in Slot 3.
504	Querying card in Slot 4.
505	Querying card in Slot 5.
506	Querying card in Slot 6.
507	Querying card in Slot 7.
508	Querying card in Slot 8.
510	Starting device configuration.
511	Device configuration completed.
512	Restoring device configuration files from media.
513	Restoring basic operating system installation files from media.
516	Contacting server during network boot.
517	Mounting client remote file system during network IPL.
518	Remote mount of the root (/) and /usr file systems failed during network boot.
520	Bus configuration running.
521	/etc/init invoked cfgmgr with invalid options; /etc/init has been corrupted or incorrectly modified (irrecoverable error).
522	The configuration manager has been invoked with conflicting options (irrecoverable error).

523	The configuration manager is unable to access the ODM database (irrecoverable error).
524	The configuration manager is unable to access the config.rules object in the ODM database (irrecoverable error).
525	The configuration manager is unable to get data from a customized device object in the ODM database (irrecoverable error).
526	The configuration manager is unable to get data from a customized device driver object in the ODM database (irrecoverable error).
527	The configuration manager was invoked with the phase 1 flag; running phase 1 at this point is not permitted (irrecoverable error).
528	The configuration manager cannot find sequence rule, or no program name was specified in the ODM database (irrecoverable error).
529	The configuration manager is unable to update ODM data (irrecoverable error).
530	The savebase program returned an error.
531	The configuration manager is unable to access the PdAt object class (irrecoverable error).
532	There is not enough memory to continue (malloc failure); irrecoverable error.
533	The configuration manager could not find a configuration method for a device.
534	The configuration manager could not find a configuration method for a device.
535	HIPPI diagnostics interface driver being configured.
536	The configuration manager encountered more than one sequence rule specified in the same phase (irrecoverable error).
537	The configuration manager encountered an error when invoking the program in the sequence rule.
538	The configuration manager is going to invoke a configuration method.
539	The configuration method has terminated, and control has returned to the configuration manager.
541	A DLT tape device is being configured.
542	7208-345 60 GB tape drive, 7334-410 60 GB tape drive
549	Console could not be configured for the Copy a System Dump Menu.
551	IPL vary-on is running.
552	IPL vary-on failed.
553	IPL phase 1 is complete.
554	The boot device could not be opened or read, or unable to define NFS swap device during network boot.
555	An ODM error occurred when trying to vary-on the rootvg, or unable to create an NFS swap device during network boot.
556	Logical Volume Manager encountered error during IPL vary-on.
557	The root file system does not mount.
558	There is not enough memory to continue the system IPL.
559	Less than 2 MB of good memory are available to load the AIX kernel.

569	FCS SCSI protocol device is being configured (32 bits).
570	Virtual SCSI devices being configured.
571	HIPPI common function device driver being configured.
572	HIPPI IPI-3 master transport driver being configured.
573	HIPPI IPI-3 slave transport driver being configured.
574	HIPPI IPI-3 transport services user interface device driver being configured.
575	A 9570 disk-array driver being configured.
576	Generic async device driver being configured.
577	Generic SCSI device driver being configured.
578	Generic commo device driver being configured.
579	Device driver being configured for a generic device.
580	HIPPI TCP/IP network interface driver being configured.
581	Configuring TCP/IP.
582	Configuring Token-Ring data link control.
583	Configuring an Ethernet data link control.
584	Configuring an IEEE Ethernet data link control.
585	Configuring an SDLC MPQP data link control.
586	Configuring a QLLC X.25 data link control.
587	Configuring a NETBIOS.
588	Configuring a Bisync Read-Write (BSCRW).
589	SCSI target mode device being configured.
590	Diskless remote paging device being configured.
591	Configuring an LVM device driver.
592	Configuring an HFT device driver.
593	Configuring SNA device drivers.
594	Asynchronous I/O being defined or configured.
595	X.31 pseudo-device being configured.
596	SNA DLC/LAPE pseudo-device being configured.
597	OCS software being configured.
598	OCS hosts being configured during system reboot.
599	Configuring FDDI data link control.
59B	FCS SCSI protocol device being configured (64 bits).
5C0	Streams-based hardware drive being configured.
5C1	Streams-based X.25 protocol being configured.
5C2	Streams-based X.25 COMIO emulator driver being configured.

5C3	Streams-based X.25 TCP/IP interface driver being configured.
5C4	FCS adapter device driver being configured.
5C5	SCB network device driver for FCS being configured.
5C6	AIX SNA channel being configured.
600	Starting network boot portion of /sbin/rc.boot.
602	Configuring network parent devices.
603	/usr/lib/methods/defsys, /usr/lib/methods/cfgsys, or /usr/lib/methods/cfgbus failed.
604	Configuring physical network boot device.
605	Configuration of physical network boot device failed.
606	Running /usr/sbin/ifconfig on logical network boot device.
607	/usr/sbin/ifconfig failed.
608	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.
609	The client.info file does not exist or it is zero length.
60B	18.2 GB 68-pin LVD SCSI Disk Drive being configured.
610	Attempting remote mount of NFS file system.
611	Remote mount of the NFS file system failed.
612	Accessing remote files; unconfiguring network boot device.
613	8 mm 80 GB VXA-2 tape device
614	Configuring local paging devices.
615	Configuration of a local paging device failed.
616	Converting from diskless to dataless configuration.
617	Diskless to dataless configuration failed.
618	Configuring remote (NFS) paging devices.
619	Configuration of a remote (NFS) paging device failed.
61B	36.4 GB 80-pin LVD SCSI Disk Drive being configured.
61D	36.4 GB 80-pin LVD SCSI Disk Drive being configured.
61E	18.2 GB 68-pin LVD SCSI Disk Drive being configured.
620	Updating special device files and ODM in permanent file system with data from boot RAM file system.
621	9.1 GB LVD 80-pin SCSI Drive being configured.
622	Boot process configuring for operating system installation.
62D	9.1 GB 68-pin LVD SCSI Disk Drive being configured.
62E	9.1GB 68-pin LVD SCSI Disk Drive being configured.
636	TURBOWAYS™ 622 Mbps PCI MMF ATM Adapter.

637	Dual Channel PCI-2 Ultra2 SCSI Adapter being configured.
638	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.
639	9.1 GB 10K RPM Ultra SCSI Disk Drive (68-pin).
63A	See 62D.
63B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.
63C	See 60B.
63D	18.2 GB 80-pin LVD SCSI Disk Drive being configured.
63E	36.4 GB 68-pin LVD SCSI Disk Drive being configured.
63F	See 61B.
640	9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).
643	18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.
646	High-Speed Token-Ring PCI Adapter being configured.
64A	See 62E.
64B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.
64C	See 61E.
64D	18.2 GB LVD 80-pin Drive/Carrier being configured.
64E	36.4 GB 68-pin LVD SCSI Disk Drive being configured.
64F	See 61D.
650	SCSD disk drive being configured.
653	18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.
655	GXT130P Graphics adapter being configured.
657	GXT2000P graphics adapter being configured.
659	2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.
663	The ARTIC960RxD Digital Trunk Quad PCI Adapter or the ARTIC960RxF Digital Trunk Resource Adapter being configured.
664	32x (MAX) SCSI-2 CD-ROM drive being configured.
667	PCI 3-Channel Ultra2 SCSI RAID Adapter being configured.
669	PCI Gigabit Ethernet Adapter being configured.
66A	PCI Gigabit Ethernet Adapter being configured.
66C	10/100/1000 Base-T Ethernet PCI Adapter.
66D	PCI 4-Channel Ultra-3 SCSI RAID Adapter.
66E	4.7 GB DVD-RAM drive.
674	ESCON™ Channel PCI Adapter being configured.
678	12 GB 4 mm SCSI tape drive
67B	PCI Cryptographic Coprocessor being configured.

682	20x (MAX) SCSI-2 CD-ROM Drive being configured.
689	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.
68C	20 GB 4-mm Tape Drive being configured.
68E	POWER GXT6000P PCI Graphics Adapter.
690	9.1 GB Ultra SCSI Single Ended Disk Drive being configured.
69B	64-bit/66 MHz PCI ATM 155 MMF PCI adapter being configured.
69D	64-bit/66 MHz PCI ATM 155 UTP PCI adapter being configured.
6CC	SSA disk drive being configured.
700	A 1.1 GB 8-bit SCSI disk drive being identified or configured.
701	A 1.1 GB 16-bit SCSI disk drive being identified or configured.
702	A 1.1 GB 16-bit differential SCSI disk drive being identified or configured.
703	A 2.2 GB 8-bit SCSI disk drive being identified or configured.
703	A 2.2 GB 16-bit SCSI disk drive being identified or configured.
705	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.
706	A 4.5 GB 16-bit SCSI disk drive being identified or configured.
707	A 4.5 GB 16-bit differential SCSI disk drive being identified or configured.
708	An L2 cache being identified or configured.
709	128 port ISA adapter being configured
710	POWER GXT150M graphics adapter being identified or configured.
711	Unknown adapter being identified or configured.
712	Graphics slot bus configuration is executing.
713	The IBM ARTIC960 device being configured.
714	A video capture adapter being configured.
717	TP Ethernet Adapter being configured.
718	GXT500 Graphics Adapter being configured.
720	Unknown read/write optical drive type being configured.
721	Unknown disk or SCSI device being identified or configured.
722	Unknown disk drive being identified or configured.
723	Unknown CD-ROM drive being identified or configured.
724	Unknown tape drive being identified or configured.
725	Unknown display adapter being identified or configured.
726	Unknown input device being identified or configured.
727	Unknown async device being identified or configured.

728	Parallel printer being identified or configured.
729	Unknown parallel device being identified or configured.
730	Unknown diskette drive being identified or configured.
731	PTY being identified or configured.
732	Unknown SCSI initiator type being configured.
733	7 GB 8-mm tape drive being configured.
734	4x SCSI-2 640 MB CD-ROM Drive being configured.
736	Quiet Touch keyboard and speaker cable being configured.
741	1080 MB SCSI Disk Drive being configured.
745	16 GB 4-mm Tape Auto Loader being configured.
746	SCSI-2 Fast/Wide PCI Adapter being configured.
747	SCSI-2 Differential Fast/Wide PCI Adapter being configured.
749	7331 Model 205 Tape Library being configured.
751	SCSI 32-bit SE F/W RAID Adapter being configured.
754	1.1 GB 16-bit SCSI disk drive being configured.
755	2.2 GB 16-bit SCSI disk drive being configured.
756	4.5 GB 16-bit SCSI disk drive being configured.
757	External 13 GB 1/4-inch tape being configured.
763	SP Switch MX Adapter being configured.
764	SP System Attachment Adapter being configured.
772	4.5 GB SCSI F/W Disk Drive being configured.
773	9.1 GB SCSI F/W Disk Drive being configured.
774	9.1 GB External SCSI Disk Drive being configured.
776	PCI Token-Ring Adapter being identified or configured.
777	10/100 Ethernet Tx PCI Adapter being identified or configured.
778	POWER GXT3000P 3D PCI Graphics adapter being configured.
77B	4-Port 10/100 Ethernet Tx PCI Adapter being identified or configured.
77C	A 1.0 GB 16-bit SCSI disk drive being identified or configured.
783	4-mm DDS-2 Tape Autoloader being configured.
789	2.6 GB External Optical Drive being configured.
78B	POWER GXT4000P PCI Graphics Adapter.
78D	GXT300P 2D Graphics adapter being configured.
790	Multi-bus Integrated Ethernet Adapter being identified or configured.

797	TURBOWAYS 155 UTP/STP ATM Adapter being identified or configured.
798	Video streamer adapter being identified or configured.
799	2-Port Multiprotocol PCI adapter being identified or configured.
79C	ISA bus configuration executing.
7C0	CPU/System Interface being configured.
7C1	Business Audio Subsystem being identified or configured.
7CC	PCMCIA bus configuration executing.
800	TURBOWAYS 155 MMF ATM Adapter being identified or configured.
803	7336 Tape Library robotics being configured.
804	8x Speed SCSI-2 CD-ROM Drive being configured.
806	POWER GXT800 PCI Graphics adapter being configured.
807	SCSI Device Enclosure being configured.
80C	SSA 4-Port Adapter being identified or configured.
811	Processor complex being identified or configured.
812	Memory being identified or configured.
813	Battery for time-of-day, NVRAM, and so on being identified or configured, or system I/O control logic being identified or configured.
814	NVRAM being identified or configured.
815	Floating-point processor test.
816	Operator panel logic being identified or configured.
817	Time-of-day logic being identified or configured.
819	Graphics input device adapter being identified or configured.
821	Standard keyboard adapter being identified or configured.
823	Standard mouse adapter being identified or configured.
824	Standard tablet adapter being identified or configured.
825	Standard speaker adapter being identified or configured.
826	Serial Port 1 adapter being identified or configured.
827	Parallel port adapter being identified or configured.
828	Standard diskette adapter being identified or configured.
831	3151 adapter being identified or configured, or Serial Port 2 being identified or configured.
834	64-port async controller being identified or configured.
835	16-port async concentrator being identified or configured.
836	128-port async controller being identified or configured.
837	A 128-port remote asyncronous node (RAN) is being identified or configured.

838	Network Terminal Accelerator Adapter being identified or configured.
839	7318 Serial Communications Server being configured.
840	PCI Single-Ended Ultra SCSI Adapter being configured.
841	8-port async adapter (EIA-232) being identified or configured.
842	8-port async adapter (EIA-422A) being identified or configured.
843	8-port async adapter (MIL-STD-188) being identified or configured.
844	7135 RAIDiant Array disk drive subsystem controller being identified or configured.
845	7135 RAIDiant Array disk drive subsystem drawer being identified or configured.
846	RAIDiant Array SCSI 1.3 GB Disk Drive being configured.
847	16-port serial adapter (EIA-232) being identified or configured.
848	16-port serial adapter (EIA-422) being identified or configured.
849	X.25 Interface Coprocessor/2 adapter being identified or configured.
850	Token-Ring network adapter being identified or configured.
851	T1/J1 Portmaster adapter being identified or configured.
852	Ethernet adapter being identified or configured.
854	3270 Host Connection Program/6000 connection being identified or configured.
855	Portmaster Adapter/A being identified or configured.
857	FSLA adapter being identified or configured.
858	5085/5086/5088 adapter being identified or configured.
859	FDDI adapter being identified or configured.
85C	Token-Ring High-Performance LAN adapter being identified or configured.
861	Optical adapter being identified or configured.
862	Block Multiplexer Channel Adapter being identified or configured.
865	ESCON Channel Adapter or emulator being identified or configured.
866	SCSI adapter being identified or configured.
867	Async expansion adapter being identified or configured.
868	SCSI adapter being identified or configured.
869	SCSI adapter being identified or configured.
870	Serial disk drive adapter being identified or configured.
871	Graphics subsystem adapter being identified or configured.
872	Grayscale graphics adapter being identified or configured.
874	Color graphics adapter being identified or configured.

875	Vendor generic communication adapter being configured.
876	8-bit color graphics processor being identified or configured.
877	POWER Gt3/POWER Gt4 being identified or configured.
878	POWER Gt4 graphics processor card being configured.
879	A 24-bit color MEV2 type graphics card is being configured.
880	POWER Gt1 adapter being identified or configured.
887	POWER Gt1 adapter being identified or configured.
889	SCSI adapter being identified or configured.
890	SCSI-2 Differential Fast/Wide and Single-Ended Fast/Wide Adapter/A being configured.
891	Vendor SCSI adapter being identified or configured.
892	Vendor display adapter being identified or configured.
893	Vendor LAN adapter being identified or configured.
894	Vendor async/communications adapter being identified or configured.
895	Vendor IEEE 488 adapter being identified or configured.
896	Vendor VME bus adapter being identified or configured.
897	S/370 Channel Emulator adapter being identified or configured.
898	POWER Gt1x graphics adapter being identified or configured.
899	3490 attached tape drive being identified or configured.
89C	A multimedia SCSI CD-ROM being identified or configured.
900	GXT110P Graphics Adapter being identified or configured.
901	Vendor SCSI device being identified or configured.
902	Vendor display device being identified or configured.
903	Vendor async device being identified or configured.
904	Vendor parallel device being identified or configured.
905	A vendor (non-IBM) adapter is being identified or configured.
908	POWER GXT1000™ Graphics subsystem being identified or configured.
910	1/4 GB Fiber Channel/266 Standard Adapter being identified or configured.
911	Fiber Channel/1063 Adapter Short Wave being configured.
912	2.0 GB SCSI-2 differential disk drive being identified or configured.
913	1.0 GB differential disk drive being identified or configured.
914	5 GB 8-mm differential tape drive being identified or configured.
915	4 GB 4-mm tape drive being identified or configured.

916	A generic (non-IBM) Non-SCSI tape drive adapter is being identified or configured.
917	A 2.0 GB 16-bit differential SCSI disk drive being identified or configured.
918	A 2.0 GB 16-bit single-ended SCSI disk drive being identified or configured.
920	Bridge Box being identified or configured.
921	101 keyboard being identified or configured.
922	102 keyboard being identified or configured.
923	Kanji keyboard being identified or configured.
924	Two-button mouse being identified or configured.
925	Three-button mouse being identified or configured.
926	5083 tablet being identified or configured.
927	5083 tablet being identified or configured.
928	Standard speaker being identified or configured.
929	Dials being identified or configured.
930	Lighted program function keys (LPFK) being identified or configured.
931	IP router being identified or configured.
933	Async planar being identified or configured.
934	Async expansion drawer being identified or configured.
935	3.5-inch diskette drive being identified or configured.
936	5.25-inch diskette drive being identified or configured.
937	An HIPPI adapter being configured.
938	Serial HIPPI PCI adapter being configured.
942	Serial HIPPI PCI adapter being configured.
943	A 3480 or 3490 control unit attached to a System/370 Channel Emulator/A adapter are being identified or configured.
944	100 MB ATM adapter being identified or configured.
945	1.0 GB SCSI differential disk drive being identified or configured.
946	A generic (non-IBM) Serial Port 3 adapter is being identified or configured.
947	A 730 MB SCSI disk drive being configured.
948	Portable disk drive being identified or configured.
949	Unknown direct bus-attach device being identified or configured.
950	Missing SCSI device being identified or configured.
951	670 MB SCSI disk drive being identified or configured.
952	355 MB SCSI disk drive being identified or configured.

953	320 MB SCSI disk drive being identified or configured.
954	400 MB SCSI disk drive being identified or configured.
955	857 MB SCSI disk drive being identified or configured.
956	670 MB SCSI disk drive electronics card being identified or configured.
957	120 MB DBA disk drive being identified or configured.
958	160 MB Database Administrator (DBA) disk drive being identified or configured.
959	160 MB SCSI disk drive being identified or configured.
960	1.37 GB SCSI disk drive being identified or configured.
964	Internal 20 GB 8-mm tape drive identified or configured.
968	1.0 GB SCSI disk drive being identified or configured.
970	Half-inch, 9-track tape drive being identified or configured.
971	150 MB 1/4-inch tape drive being identified or configured.
972	2.3 GB 8-mm SCSI tape drive being identified or configured.
973	Other SCSI tape drive being identified or configured.
974	CD-ROM drive being identified or configured.
975	An optical disk drive being identified or configured.
977	M-Audio Capture and Playback Adapter being identified or configured.
981	540 MB SCSI-2 single-ended disk drive being identified or configured.
984	1 GB 8-bit disk drive being identified or configured.
985	M-Video Capture Adapter being identified or configured.
986	2.4 GB SCSI disk drive being identified or configured.
987	An Enhanced SCSI CD-ROM drive being identified or configured.
989	200 MB SCSI disk drive being identified or configured.
990	2.0 GB SCSI-2 single-ended disk drive being identified or configured.
991	525 MB 1/4-inch cartridge tape drive being identified or configured.
994	5 GB 8-mm tape drive being identified or configured.
995	1.2GB 1/4-inch cartridge tape drive being identified or configured.
996	A single-port, multiprotocol communications adapter being identified or configured.
997	FDDI adapter being identified or configured.
998	2.0 GB 4-mm tape drive being identified or configured.
999	7137 or 3514 Disk Array Subsystem being configured.
D46	Token-Ring cable.

D81	**T2 Ethernet Adapter being configured.**

Chapter 2. AIX diagnostics load-progress indicators

AIX diagnostics 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.

AIX diagnostics load-progress indicators

AIX diagnostics 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.

c00	**AIX Install/Maintenance loaded successfully.**
c01	**Insert the first diagnostic diskette.**
c02	**Diskettes inserted out of sequence.**
c03	**The wrong diskette is in diskette drive.**
c04	**The loading stopped with an irrecoverable error.**
c05	**A diskette error occurred.**
c06	**The rc.boot configuration shell script is unable to determine type of boot.**
c07	**Insert the next diagnostic diskette.**
c08	**RAM file system started incorrectly.**
c09	**The diskette drive is reading or writing a diskette.**
c20	**An unexpected halt occurred, and the system is configured to enter the kernel debug program instead of entering a system dump.**
c21	**The ifconfig command was unable to configure the network for the client network host.**
c22	**The tftp command was unable to read client's *ClientHostName*.info file during a client network boot.**
c24	**Unable to read client's *ClientHostName*.info file during a client network boot.**
c25	**Client did not mount remote miniroot during network install.**
c26	**Client did not mount the /usr file system during the network boot.**
c29	**The system was unable to configure the network device.**
c31	**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.**

c32	A directly attached display (HFT) was selected.
c33	A TTY terminal attached to serial ports S1 or S2 was selected.
c34	A file was selected. The console messages store in a file.
c35	No console found.
c40	Configuration files are being restored.
c41	Could not determine the boot type or device.
c42	Extracting data files from diskette.
c43	Cannot access the boot/install tape.
c44	Initializing installation database with target disk information.
c45	Cannot configure the console.
c46	Normal installation processing.
c47	Could not create a physical volume identifier (PVID) on disk.
c48	Prompting you for input.
c49	Could not create or form the JFS log.
c50	Creating root volume group on target disks.
c51	No paging devices were found.
c52	Changing from RAM environment to disk environment.
c53	Not enough space in the /tmp directory to do a preservation installation.
c54	Installing either BOS or additional packages.
c55	Could not remove the specified logical volume in a preservation installation.
c56	Running user-defined customization.
c57	Failure to restore BOS.
c58	Displaying message to turn the key.
c59	Could not copy either device special files, device ODM, or volume group information from RAM to disk.
c61	Failed to create the boot image.
c62	Loading platform dependent debug files.
c63	Loading platform dependent data files.
c64	Failed to load platform dependent data files.
c70	Problem Mounting diagnostic boot media. An example of the boot media would be a CD-ROM disc.
c71	AIX diagnostics are not supported on this system, or there is not enough memory to run the diagnostics.
c72	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.
c99	Diagnostics have completed. This code is only used when there is no console.

Chapter 3. Dump progress indicators (dump status codes)

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.

Dump progress indicators (dump status codes)

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.

0c0	**The dump completed successfully.**
0c1	**The dump failed due to an I/O error.**
0c2	**A dump, requested by the user, is started.**
0c3	**The dump is inhibited.**
0c4	**The dump device is not large enough.**
0c5	**The dump did not start, or the dump crashed.**
0c6	**Dumping to a secondary dump device.**
0c7	**Reserved.**
0c8	**The dump function is disabled.**
0c9	**A dump is in progress.**
0cc	**Unknown dump failure.**

Chapter 4. Crash codes

Crash codes produce a Type 102 message. A type 102 message generates when a software or hardware error occurs during system execution of an application.

The crash codes that follow are part of a Type 102 message.

These crash codes are grouped into three categories:

Category 1

Dump analysis is the appropriate first action in Problem Determination. Begin the Problem Determination process with software support.

Category 2

Dump analysis most likely will not aid in Problem Determination. Begin the Problem Determination process with hardware support.

Category 3

Both software and hardware support may be needed in Problem Determination, go to 888 sequence in operator panel display to assist in problem isolation.

Category 1 crash progress code

Crash codes category 1

The crash codes that follow are part of a Type 102 message.

These crash codes are grouped into three categories:

Category 1

Dump analysis is the appropriate first action in Problem Determination. Begin the Problem Determination process with software support.

300	**Data storage interrupt from the processor.**
32x	**Data storage interrupt because of an I/O exception from IOCC.**
38x	**Data storage interrupt because of an I/O exception from SLA.**
400	**Instruction storage interrupt.**
700	**Program interrupt.**

Crash codes category 2

Category 2

Dump analysis most likely will not aid in Problem Determination. Begin the Problem Determination process with hardware support.

200	**Machine check because of a memory bus error.**
201	**Machine check because of a memory timeout.**
202	**Machine check because of a memory card failure.**
203	**Machine check because of an out of range address.**
204	**Machine check because of an attempt to write to ROS.**
205	**Machine check because of an uncorrectable address parity.**
206	**Machine check because of an uncorrectable ECC error.**
207	**Machine check because of an unidentified error.**
208	**Machine check due to an L2 uncorrectable ECC.**
500	**External interrupt because of a scrub memory bus error.**
501	**External interrupt because of an unidentified error.**
51x	**External interrupt because of a DMA memory bus error.**
52x	**External interrupt because of an IOCC channel check.**
53x	**External interrupt from an IOCC bus timeout; x represents the IOCC number.**
54x	**External interrupt because of an IOCC keyboard check.**
800	**Floating point is not available.**

Crash codes category 3

Category 3

Both software and hardware support may be needed in Problem Determination, go to 888 sequence in operator panel display to assist in problem isolation.

000	**Unexpected system interrupt.**
558	**There is not enough memory to continue the system IPL.**
600	**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.**
605	**AIX 4.3.3.3 and above: AIX has crashed because the Portability Assist Layer (PAL) for this machine type has detected a problem.**

Chapter 5. (C1xx) Service processor progress codes (checkpoints)

Service processor progress codes (checkpoints)

C10010xx Pre-standby

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

C1001F00 Pre-standby: starting initial transition file

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

C1001F0D Pre-standby: discovery completed in initial transition file.

User response:
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.

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

C1001F0F Pre-standby: waiting for standby synchronization from initial transition file

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

C1001FFF Pre-standby: completed initial transition file

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

C1009x01 Hardware object manager: (HOM): the cancontinue flag is being cleared.

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

C1009x02 Hardware object manager: (HOM): erase HOM IPL step in progress.

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

C1009x04 Hardware object manager: (HOM): build cards IPL step in progress.

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

C1009x08 Hardware object manager: (HOM): build processors IPL step in progress.

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

C1009x0C Hardware object manager: (HOM): build chips IPL step in progress.

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

C1009x10 Hardware object manager: (HOM): initialize HOM.

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

C1009x14 Hardware object manager: (HOM): validate HOM.

Servicer Response:

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

C1009x18 Hardware object manager: (HOM): GARD in progress.

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

C1009x1C Hardware object manager: (HOM): clock test in progress.

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

C1009x20 Frequency control IPL step in progress.

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

C1009x24 Asset protection IPL step in progress.

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

C1009x28 Memory configuration IPL step in progress.

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

C1009x2C Processor CFAM initialization in progress.

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

C1009x30 Processor self-synchronization in progress.

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

C1009x34 Processor mask attentions being initializaed.

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

C1009x38 Processor check ring IPL step in progress.

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

C1009x39 Processor L2 line delete in progress.

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

C1009x3A Load processor gptr IPL step in progress.

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

C1009x3C Processor ABIST step in progress.

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

C1009x40 Processor LBIST step in progress.

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

C1009x44 Processor array initialization step in progress.

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

C1009x46 Processor AVP initialization step in progress.

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

C1009x48 Processor flush IPL step in progress.

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

C1009x4C Processor wiretest IPL step in progress.

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

C1009x50 Processor long scan IPL step in progress.

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

C1009x54 Start processor clocks IPL step in progress.

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

C1009x58 Processor SCOM initialization step in progress.

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

C1009x5C Processor interface alignment procedure in progress.

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

C1009x5E Processor AVP L2 test case in progress.

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

C1009x60 Processor random data test in progress.

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

C1009x64 Processor enable machine check test in progress.

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

C1009x66 Concurrent intialization in progress.

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

C1009x68 Processor fabric initialization step in progress.

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

C1009x6C Processor PSI initialization step in progress.

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

C1009x70 ASIC CFAM initialization step in progress.

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

C1009x74 ASIC mask attentions being set up.

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

C1009x78 ASIC check rings being set up.

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

C1009x7C ASIC ABIST test being run.

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

C1009x80 ASIC LBIST test being run.

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

C1009x82 ASIC RGC being reset.

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

C1009x84 ASIC being flushed.

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

C1009x88 ASIC long scan initialization in progress.

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

C1009x8C ASIC start clocks in progress.

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

C1009x90 Wire test in progress.

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

C1009x92 ASIC restore erepair in progress.

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

C1009x94 ASIC transmit/receive initialization step in progress.

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

C1009x98 ASIC wrap test in progress.

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

C1009x9C ASIC SCOM initialization step in progress.

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

C1009x9E ASIC HSS set up in progress.

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

C1009xA0 ASIC onyx BIST in progress.

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

C1009xA4 ASIC interface alignment step in progress.

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

C1009xA8 ASIC random data test in progress.

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

C1009xAC ASIC enable machine check step in progress.

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

C1009xB0 ASIC I/O initialization step in progress.

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

C1009xB4 ASIC DRAM initialization step in progress.

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

C1009xB8 ASIC memory diagnostic step in progress.

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

C1009xB9 PSI diagnostic step in progress.

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

C1009xBB Restore L3 line delete step in progress.

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

C1009xBD AVP memory test case in progress.

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

C1009xC0 Node interface alignment procedure in progress.

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

C1009xC4 Dump initialization step in progress.

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

C1009xC8 Start PRD step in progress.

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

C1009xCC Message passing waiting period has begun.

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

C1009xD0 Message passing waiting period has begun.

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

C100B101 Firmware update via the USB port on the service processor: the firmware image is being installed on one side of the flash.

C100B102 Firmware update via the USB port on the service processor: the firmware image is being installed on the other side of the flash.

C100B103 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 Firmware update via the USB port on the service processor: the firmware installation has failed.

C100C100 Starting power-up.

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

C100C102 Network initialization complete; waiting on VPD from processor.

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

C100C103 Waiting on VPD from processor.

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

C100C104 Processor VPD collection is complete.

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

C100C106 Checking of the number of processors is complete.

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

C100C107 Waiting on VPD from sensors.

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

C100C108 Sensor VPD collection is complete.

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

C100C10A 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.

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

C100C10B Waiting for BPC's IP address es to be sent from the HMC.

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

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

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

C100C10D Waiting for the BPC to come up to standby and turn off block power.

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

C100C110 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.

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

C100C111 Waiting for serial polling.

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

C100C112 Collecting the TMS is complete.

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

C100C114 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.

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

C100C115 Waiting for the BPC to respond to the TMS command from SPCN.

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

C100C116 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.

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

C100C117 Waiting for the BPC to respond to the enclosure TMS command from SPCN.

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

C100C118 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.

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

C100C119 Waiting for the BPC to respond to the secure VPD command from SPCN.

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

C100C120 Waiting for power off delay to be complete.

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

C100C121 Waiting for power off delay to be complete.

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

C100C122 Power off delay is complete.

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

C100C128 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.

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

C100C129 Waiting for the processor subsystem to show up in the BPC polling data.

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

C100C140 Checking the voltage adjustment.

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

C100C142 Checking of the voltage adjustment is complete.

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

C100C14E Waiting for the voltage adjustment delay to be complete.

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

C100C14F Waiting for the voltage adjustment delay to be complete.

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

C100C150 Checking the VRM voltage adjustment.

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

C100C152 Waiting for the VRM voltage adjustment delay to be complete.

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

C100C153 Waiting for the VRM voltage adjustment delay to be complete.

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

C100C154 Checking of the VRM voltage adjustment is complete.

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

C100C160 Power check in progress.

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

C100C162 Checking for power supply power.

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

C100C164 Waiting for the power supply power to come up.

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

C100C165 Waiting for the power supply power to come up.

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

C100C166 REGS power check in progress.

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

C100C168 Waiting for the REGS power check to be complete.

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

C100C169 Waiting for the REGS power check to be complete.

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

C100C170 Waiting for the BPC's response to the power-on request.

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

C100C171 Waiting for the BPC's response to the power-on request.

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

C100C172 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.

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

C100C173 Waiting on all processor subsystems to respond with powered up to BPC's polling query.

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

C100C174 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.

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

C100C175 Waiting for the BPC to report why power-on failed.

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

C100C180 Activating the power good signals.

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

C100C184 The power-on delay is complete.

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

C100C1A0 Waiting on the power good signals.

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

C100C1A1 Waiting on the power good signals.

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

C100C1A2 Waiting on the power good signal is complete.

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

C100C1B0 Waiting to power down.

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

C100C1B1 Waiting to power down.

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

C100C1B2 The power down delay is complete.

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

C100C1B4 The SPCN is waiting for power down.

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

C100C1B5 The SPCN is waiting for power down.

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

C100C1B6 Powering down the device is complete.

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

C100C1B7 Reserved.

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

C100C1B8 The request to power off the processor subsystem is conplete.

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

C100C1BA 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.

Servicer Response:

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

C100C1BB Waiting on the BPC to respond to the power-off command to the I/O drawers from SPCN.

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

C100C1BE The power down operation is complete.

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

C100C1CF A critical fault has occured. An SRC will be posted and logged soon.

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

C100C1FF The power-on process is complete.

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

C100C100 Starting power-up.

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

C100D009 Licensed Internal Code (system) running initialization

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C1011F00 Pre-standby: starting independent initial transition file (primary/secondary)

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

C1011FFF Pre-standby: completed independent initial transition file (primary/secondary)

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

C1021F00 Pre-standby: starting primaryInitial transition file (primary)

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

C1021FFF Pre-standby: completed primaryInitial transition file (primary)

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

C1031F00 Pre-standby: starting secondaryInitial transition file (secondary)

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

C1031FFF Pre-standby: completed secondaryInitial transition file (secondary)

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

C103A1xx Hypervisor code modules are being transferred to system storage

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

C103A2xx Hypervisor data areas are being built in system storage

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

C103A3xx Hypervisor data structures are being transferred to system storage

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

C103A400 **Special purpose registers are loaded and instructions are started on the system processors**

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

C103A401 **Instructions have been started on the system processors**

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

C103C2xx **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.**

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

C1041F00 **Pre-standby: starting GardedInitial transition file (secondary)**

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

C1041FFF **Pre-standby: completed GardedInitial transition file (secondary)**

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

C104550x **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 **Halt: starting halt transition file**

C10F20FF **Halt: completing halt transition file**

C1112000 **Power on: starting Standby-PowerOnTransition transition file (primary)**

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

C11120FF **Power on: completed Standby-PowerOnTransition transition file (primary)**

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

C1122000 **Power on: starting PowerOnTransition-PoweredOn transition file (primary)**

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

C11220FF **Power on: completed PowerOnTransition-PoweredOn transition file (primary)**

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

C1132000 **Power on: starting PoweredOn-IplTransition transition file (primary)**

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

C11320FF **Power on: completed PoweredOn-IplTransition transition file (primary)**

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

C116C2xx **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.**

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

C1202000 **IPL transition: starting PowerOn/IplTransition-Ipl transition file (primary)**

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

C12020FF **IPL transition: completed PowerOn/IplTransition-Ipl transition file (primary)**

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

C12040xx **IPL lock time left until expiration. The last byte (xx) will count down as the IPL lock time runs out (FF-00).**

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

C1212000 **IPL transition: starting Standard/IplTransition-Ipl transition file (primary)**

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

C12120FF **IPL transition: completed Standard/IplTransition-Ipl transition file (primary)**

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

C1222000 **IPL transition: starting Flash/IplTransition-Ipl transition file (primary)**

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

C12220FF **IPL transition: completed Flash/IplTransition-Ipl transition file (primary)**

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

C1232000 **IPL transition: starting PostDump/IplTransition-Ipl transition file (primary)**

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

C12320FF **IPL transition: completed PostDump/IplTransition-Ipl transition file (primary)**

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

C1242000 **IPL transition: starting Idle/IplTransition-Ipl transition file (secondary)**

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

C12420FF **IPL transition: completed Idle/IplTransition-Ipl transition file (secondary)**

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

C1252000 **IPL transition: starting Standby/IplTransition-Ipl transition file (secondary)**

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

C12520FF **IPL transition: completed Standby/IplTransition-Ipl transition file (secondary)**

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

C1382000 IPL: starting HostStarted-BcuSwitched transition file (primary)

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

C13820FF IPL: completed HostStarted-BcuSwitched transition file (primary)

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

C1392000 IPL: starting BcuSwitched-Runtime transition file (primary)

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

C13920FF IPL: completed BcuSwitched-Runtime transition file (primary)

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

C1402000 IPL: starting Normal/fast/Ipl-HostStarted transition file (primary)

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

C14020FF IPL: completed Normal/fast/Ipl-HostStarted transition file (primary)

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

C1412000 IPL: starting Normal/slow/Ipl-HostStarted transition file (primary)

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

C14120FF IPL: completed Normal/slow/Ipl-HostStarted transition file (primary)

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

C1422000 IPL: starting PostDump/Ipl-HostStarted transition file (primary)

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

C14220FF IPL: completed PostDump/Ipl-HostStarted transition file (primary)

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

C1432000 IPL: starting Ipl-IdleTransition transition file (secondary)

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

C14320FF IPL: completed Ipl-IdleTransition transition file (secondary)

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

C1442000 IPL: starting IdleTransition-Idle transition file (secondary)

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

C14420FF IPL: completed IdleTransition-Idle transition file (secondary)

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

C1452000 **IPL: starting Ipl-StandbyVerificationTransition transition file (secondary)**

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

C14520FF **IPL: completed Ipl-StandbyVerificationTransition transition file (secondary)**

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

C1462000 **IPL: starting StandbyVerificationTransition-Standby transition file (secondary)**

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

C14620FF **IPL: completed StandbyVerificationTransition-Standby transition file (secondary)**

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

C1472000 **IPL: starting normal/ipl-hoststarted transition file (master)**

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

C14720FF **IPL: completing normal/ipl-hoststarted transition file (master)**

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

C1482000 **IPL: starting normal/backup/ipl-hoststarted transition file (secondary)**

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

C14820FF **IPL: completing normal/backup/ipl-hoststarted transition file (secondary)**

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

C162E402 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the service processor.**

FRU List:
SVCPROC

C162E403 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the operator panel.**

FRU List:
CTLNPL

C162E405 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VPD card.**

FRU List:
CAPACTY

C162E408 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system backplane.**

FRU List:
SYSBKPL

C162E410 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from a processor.**

FRU List:
ANYPROC

C162E41C **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the system.**

FRU List:
CAPACTY

C162E41E **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the enclosure.**

FRU List:
SYSBKPL

C162E420 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO backplane.**

FRU List:
IO_HUB

C162E421 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the IO hub.**

FRU List:
IO_HUB

C162E430 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from SPCN.**

FRU List:
SVCPROC

C162E4A0 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from the VSBP Starting Point.**

FRU List:
CAPACTY

C162E4D0 **If the system hangs on this checkpoint, the service processor is unable to collect VPD from memory DIMM.**

FRU List:
MEMDIMM

C1645300 **Starting a data synchronization operation between the primary service processor and the secondary service processor.**

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

C1645301 **Completed a data synchronization operation between the primary service processor and the secondary service processor.**

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

C1645304 **Redundancy enablement in progress.**

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

C1645305 **Redundancy enablement in progress.**

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

C1645306 **Redundancy enablement in progress.**

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

C16453xx **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.**

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

C1802000 **Termination: starting TerminationTransition-Termination transition file (primary)**

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

C18020FF **Termination: completed TerminationTransition-Termination transition file (primary)**

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

C1902000 **Power off: starting Any-Dpo transition file (primary)**

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

C19020FF **Power off: completed Any-Dpo transition file (primary)**

Servicer Response:

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

C1912000 **Power off: starting Any-PowerOffTransition transition file (primary)**

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

C19120FF **Power off: completed Any-PowerOffTransition transition file (primary)**

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

C1922000 **Power off: starting PowerOffTransition-PoweredOff transition file (primary)**

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

C19220FF **Power off: completed PowerOffTransition-PoweredOff transition file (primary)**

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

C1C02000 **Secondary VERIFICATION: starting Standby-StandbyVerification transition file (primary)**

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

C1C020FF **Secondary verification: completed Standby-StandbyVerification transition file (primary)**

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

C1C12000 **Secondary verification: starting StandbyVerification-Standby transition file (primary)**

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

C1C120FF **Secondary verification: completed StandbyVerification-Standby transition file (primary)**

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

C1C22000 **Secondary verification: starting Runtime-secondaryVerification transition file (primary)**

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

C1C220FF **Secondary verification: completed Runtime-secondaryVerification transition file (primary)**

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

C1C32000 **Secondary verification: starting secondaryVerification-Runtime transition file (primary)**

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

C1C320FF **Secondary verification: completed secondaryVerification-Runtime transition file (primary)**

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

C1C3C218 **The service processor is polling the system power control network (SPCN) firmware looking for power fault events.**

Servicer Response:

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

C1C42000 Failover: starting failover/failover-termination transition file (master)

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

C1C420FF Failover: completed failover/failover-termination transition file (master)

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

C1C52000 Failover: starting failover/backup/failover-termination transition file (secondary)

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

C1C520FF Failover: completed failover/backup/failover-termination transition file (secondary)

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

C1C62000 Failover: starting failover/failover-runtime transition file (master).

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

C1C620FF Failover: completed failover/failover-runtime transition file (master).

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

C1C72000 Failover: starting failover/backup/failover-standby transition file (secondary)

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

C1C720FF Failover: completed failover/backup/failover-standby transition file (secondary)

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

C1CA2000 Connection monitoring failover: starting survfailover/backup/failover-runtime transition file (secondary)

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

C1CA20FF Connection monitoring failover: completed survfailover/backup/failover-runtime transition file (secondary)

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

C1CB2000 Connection monitoring failover: starting survfailover/backup/failover-termination transition file (secondary)

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

C1CB20FF Connection monitoring failover: completed survfailover/backup/failover-termination transition file (secondary)

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

C1CBE200 VPD collection in progress

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

C1CBE2FF VPD collection ending

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

C1CBE300 Checking the status of VPD collection

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

C1CBE3FF The end of checking the status of VPD collection

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

C1CBE400 VPD recollection is in progress.

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

C1CBE401 VPD recollection because of a change in the VPD is in progress

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

C1CBE402 The old VPD values are being cleared from memory

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

C1CBE403 The RLCA is being initialized during VPD recollection

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

C1CBE404 VPD is being recollected

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

C1CBE405 VPD is being recollected

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

C1CBE406 VPD is being recollected

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

C1CBE407 The recollected VPD is being validated

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

C1CBE408 The VPD tables are being rebuilt with the recollected data

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

C1CBE409 The NVRAM VPD data is being recollected

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

C1CBE40A The RLCA VPD data is being recollected

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

C1CBE40B The recollected RLCA VPD data is being written to memory

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

C1CBE40C The recollected HVAT VPD data is being written to memory

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

C1CBE40D The registers are being updated with the recollected VPD

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

C1CBE40E The module table is being rewritten with the recollected VPD

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

C1CBE40F The LED table is being rewritten with the recollected VPD

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

C1CBE410 The LED table is being rewritten with the recollected VPD

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

C1CBE411 The security of the recollected VPD is being verified

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

C1CBE4FE The state is being updated during VPD recollection

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

C1CBE4FF The recollection of VPD is ending

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

C1CBE500 The VPD of a single FRU is being recollected

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

C1CBE600 The VPD of a single FRU module is being recollected

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

C1CBE6FF The VPD recollection from a single FRU is ending

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

C1CC2000 Connection monitoring failover: starting survfailover/backup/failover-standby transition file (secondary)

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

C1CC20FF Connection monitoring failover: completed survfailover/backup/failover-standby transition file (secondary)

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

C1D22000 Dump: starting DumpTransition-Dump transition file (primary)

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

C1D2200D Dump: calling hardware dump from DumpTransition-Dump transition file (master)

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

C1D2200F Dump: calling main store dump from DumpTransition-Dump transition file (master)

Servicer Response:

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

C1D220FF **Dump: completed DumpTransition-Dump transition file (primary)**

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

C1E82000 **Exit error: starting ExitError/Ipl transition file (primary)**

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

C1E820FF **Exit error: completed ExitError/Ipl transition file (primary)**

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

C1E92000 **Extract exit error: starting ExtractExitError/ipl transition file (master)**

C1E920FF **Extract exit error: completed ExtractExitError/ipl transition file (master)**

C1EA2000 **Extract exit error: starting ExtractExitError/Backup/ipl transition file (secondary)**

C1EA20FF **Extract exit error: completed ExtractExitError/Backup/ipl transition file (secondary)**

C1F22000 **Reset/reload: starting Reset/Ipl-LimitedRuntime transition file (primary)**

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

C1F220FF **Reset/reload: completed Reset/Ipl-LimitedRuntime transition file (primary)**

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

C1F32000 **Reset/reload: starting Reset/Ipl-Runtime transition file (primary)**

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

C1F320FF **Reset/reload: completed Reset/Ipl-Runtime transition file (primary)**

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

C1F42000 **Reset/reload: starting Reset/Ipl-TerminationTransition transition file (master).**

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

C1F420FF **Reset/reload: completed Reset/Ipl-TerminationTransition transition file (master).**

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

Chapter 6. (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 virtual service processor can start a variety of operating systems, and some codes below do not apply to the IPL path of a particular operating system. The virtual service processor progress codes end after the environment setup completes and the specific operating system code continues the IPL.

C2001000	**Partition auto-IPL during a platform IPL**
C2001010	**IPL source**
C2001100	**Adding partition resources to the secondary configuration**
C20011FF	**Partition resources added successfully**
C2001200	**Checking if IPL is allowed**
C20012FF	**Partition IPL is allowed to proceed**
C2001300	**Initializing ISL roadmap**
C20013FF	**ISL roadmap initialized successfully**
C2001400	**Initializing SP Communication Area #1**
C2001410	**Initializing IPL parameters**
C20014FF	**IPL parameters initialized successfully**
C2002100	**Power on SPCN racks**
C2002110	**Issuing a rack power on command**
C200211F	**Rack power on command successful**
C20021FF	**SPCN rack power on phase complete**
C2002200	**Begin acquiring slot locks**
C20022FF	**End acquiring slot locks**
C2002300	**Begin acquiring VIO slot locks**
C20023FF	**End acquiring VIO slot locks**
C2002400	**Begin powering on slots**
C2002450	**Waiting for power on of slots to complete**
C20024FF	**End powering on slots**
C2002500	**Begin power on VIO slots**
C20025FF	**End powering on VIO slots**
C2003100	**Validating ISL command parameters**
C2003111	**Waiting for Bus object to become operational**
C2003112	**Waiting for bus unit to become disabled**
C2003115	**Waiting for creation of bus object**
C2003150	**Sending ISL command to bus unit**
C20031FF	**Waiting for ISL command completion**
C20032FF	**ISL command complete successfully**
C2003300	**Start SoftPOR of a failed ISL slot**
C2003350	**Waiting for SoftPOR of a failed ISL slot**
C20033FF	**Finish SoftPOR of a failed ISL slot**
C2004100	**Waiting for load source device to enlist**
C2004200	**Load source device has enlisted**

C2004300	Preparing connection to load source device
C20043FF	Load source device is connected
C2005100	Preparing to initiate MSD phase
C2005110	Loading SID 82 from load source device
C2005115	MSD Phase I
C2005120	Writing processor registers into SID 82
C2005125	MSD Phase II
C2005130	Writing main store pages to the load source device
C2005133	Writing hardware page table to the load source device
C2005135	MSD Phase III
C2005140	Storing (final) SID 82 back to the load source device
C2005150	Allocating the hardware page table
C20051FF	MSD processing complete
C2006000	Locating First LID information on the load source
C2006005	Clearing all partition main store
C2006010	Locating Next LID information on the load source
C2006020	Verifying LID information
C2006030	Priming LP Configuration LID
C2006040	Preparing to initiate LID load from load source
C2006050	LP Configuration LID primed successfully
C2006060	Waiting for LID load to complete
C20060F0	The license information document (LID) was read without the aid of a input output processor (IOP).
C2006100	LID load completed successfully
C2006200	Loading raw kernel memory image
C20062FF	Loading raw kernel memory image completed successfully
C2007100	Disconnecting from load source device
C2007103	Removing load source device from LID Manager object
C2007105	Preparing to remove the load source IP from the primary partition
C2007110	Preparing to remove the load source IOP from the primary partition
C2007120	Non-load source IOP has been successfully removed from the primary partition
C2007125	Load source IOP has been successfully removed from the primary partition
C2007130	Calling fatal error on the Transport Manager bus unit object
C20071FF	Load source is successfully disconnected
C2008040	Begin transfer slot locks to partition
C2008060	End transfer slot locks to partition
C2008080	Begin transfer VIO slot locks to partition
C20080A0	End transfer VIO slot locks to partition
C20080FF	Hypervisor low level session manager object is ready

C2008100	**Initializing SP Communication Area #2**
C2008104	**Loading data structures into main store**
C2008110	**Initializing event paths**
C2008120	**Starting processors**
C2008130	**Begin associate of system ports.**
C2008138	**Associating system ports to the RPA partition.**
C200813F	**End associate of system ports.**
C20081FF	**Processors started successfully, now waiting to receive the continue acknowledgement from System Licensed Internal Code**
C2008200	**Continue acknowledgement received from System Licensed Internal Code**
C20082FF	**VSP IPL complete successfully**

Chapter 7. (C3, C6) 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.

Note:

- The following table contains the C6xx xxxx IPL status progress codes. Some of these codes can appear on your control panel or HMC 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 C6xx xxxx 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	**System Processor or Main Storage Diagnostic in progress**
C500C92B	**Waiting for console device - error condition only if console not found**
C5yxxxxx	**Licensed Internal Code system hardware initialization**
C6003900	**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	**Licensed Internal Code has initiated PCI Bus Reset to all Bus 1 devices except the SP**
C6003911	**Licensed Internal Code has initiated self test of all Bus 1 devices except the SP**
C6003912	**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	**Licensed Internal Code is initializing the Load Source IOP messaging functions**
C6003914	**Licensed Internal Code has detected a Load Source IOP problem and is resetting the IOP, or the IOP has requested a reset after an internal Flash memory Licensed Internal Code update**
C6003915	**Licensed Internal Code has initiated the Load Source IOP self-load**
C6003916	**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	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	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	Static paging
C6004002	Start limited paging, call LID manager
C6004003	Initialize IPL/Termination (IT) data area / set up node address communication area (NACA) pointer
C6004004	Check and update MSD SID
C6004005	Initialize event management is executing
C6004006	IPL all buses
C6004007	Start SLID
C6004008	Initialize I/O service
C6004009	Initialize I/O machine
C6004010	Initialize IDE (interactive device exerciser)
C6004011	Initialize remote services
C6004012	Initialize RMAC component data values
C6004013	Initialize context management
C6004014	Initialize RM (component) seize lock
C6004015	Initialize MISR
C6004016	Set time of day
C6004017	Initialize RM (component) process management
C6004018	Initialize error log
C6004019	Re-initialize the service processor
C6004020	Initialize machine services
C6004021	Initialize performance data collector
C6004022	Initialize event management
C6004023	Create MI boundary manager tasks
C6004024	Disable CPM
C6004025	Initializes battery test
C6004026	Hardware card checkout
C6004027	Start integrated device exerciser (Type C IPL only)
C6004028	Start DST
C6004029	Make IPL task not critical
C6004030	Free static storage
C6004031	Destroy IPL task, DST has been started
C6004033	Guest Partition Virtual I/O Initialization Complete
C6004050	Storage management recovery is executing
C6004051	Start LOG is executing
C6004052	Trace table initialization is executing

C6004053	Context rebuild is executing. Module called: #RCRBCTX.
C6004054	Start Product Activity Log and APPN is executing
C6004055	Authority recovery is executing
C6004056	Journal recovery is executing
C6004057	Data base recovery is executing
C6004058	Journal synchronization is executing
C6004059	Commit recovery is executing
C6004060	Data base initialization is executing
C6004061	Journal IPL clean up is executing
C6004062	Commit initialization is executing
C6004064	System Object Model (SOM) recovery is executing.
C6004065	Start operating system is executing
C6004072	Storage Management Recovery is complete
C6004073	Queueing was notified that full paging is available
C6004074	Breakpoint Manager initialization phase 2 complete
C6004075	Volume stats initialized
C6004076	Lid Manager was notified that full paging is available
C6004077	Recovery directory structure created
C6004078	Link loader was notified that full paging is available
C6004079	Clean up SLIC install structures
C600407A	Initialize database storage
C600407B	Initialize IFS storage
C600407C	HRI was notified that full paging is available
C600407D	Authority was notified that full paging is available
C600407E	Initialize I/O structures
C600407F	Initialize cryptography structures
C6004100	Searching for Load Source Candidate (D-mode only)
C6004101	Opening media-file to install Licensed Internal Code service displays with proper National Language Version
C6004102	Loading and linking from media-file to install Licensed Internal Code service displays with proper National Language Version
C6004201	Storage management recovery
C6004204	Synchronization of mirrored MSD.
C6004240	Reclaim main storage
C6004250	Storage management subset directory recovery
C6004255	Defragmentation utility
C6004260	Storage management directory recovery.
C6004272	ASP overflow recovery
C6004300	Static paging is available for the link/loader

C6004301	Applying temporary PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.
C6004302	Applying modules. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.
C6004303	Temporarily applied PTFs have reached the static paging phase
C600432A	Resolving references to run Mode A. The system can be safely terminated while this work is being done.
C600432B	Resolving references to run Mode B. The system may be safely terminated while this work is being done.
C6004330	Full paging is available; workstation HRI processing
C6004331	Freeing unused nucleus pages
C6004332	Permanently applying PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.
C6004401	Some DASD failed to report in
C6004402	Storage Management Recovery started
C6004403	Storage Management Recovery ended
C6004405	Dump auto copy completed successfully. Module called: MsdStartSf.
C6004406	Shutdown/Programmed IPL started (MSD related). Module called: MsdStartSf, MsdInit.
C6004500	Verifying network attributes
C6004501	Looking for the console
C6004502	Starting DST display task (SSP only)
C6004503	Checking possible MRI on media (SSP only)
C6004504	Verifying system serial number
C6004505	Verifying system type
C6004506	Verifying system-unique ID
C6004507	Starting 'before DST' DASD checker
C6004508	Verifying system password (if DASD check OK)
C6004509	Starting DASD migration function (only if migrating)
C600450A	Starting 'after DST' DASD checker
C6004A57	Parallel database recovery and is at Pass 1
C6004A60	Parallel database initialization is at Pass 1
C6004B57	Parallel database recovery is at Pass 2
C6004B60	Parallel database initialization is at Pass 2
C6004C57	Parallel database recovery is at Pass 3
C6004C60	Parallel database initialization is at Pass 3
C6004F57	The system is recovering all database objects. This step can take several hours.
C6004F60	The system is examining all objects during database initialization.
C6nn4205	Synchronization of mirrored data (where nn is percent complete).

C6nn4404	**Licensed Internal Code log started. If Auto Copy in progress, nn is the percent complete. Module called: MsdStartSf.**
C6xx1800	**Licensed Internal Code SPCN setup**
C6xx4400	**Main Storage Dump Manager started (where xx is the number of minutes elapsed waiting for DASD to report in.**

Chapter 8. (C700) 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.

If the C700 progress that you see is not C700 4091, your only service action is to collect information on words 3 and 4 of the SRC, and call your next level of support.

Note: If the problem is in the server firmware code, exchanging any hardware FRU will not fix the problem.

C7004091 **The system power on has reached a standby state.**

User response:
If you performed a service action or recovery procedure, and C700 4091 is still displayed, activate the partition. Activating the partition changes the system to an operating state and clears the SRC.

C700xxxx **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.**

User response:
Collect information on words 3 and 4 of the SRC, and call your next level of support.

Chapter 9. (C900) IPL status progress codes

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	**Reclaim machine context**
C9002820	**Resolve system objects**
C9002825	**Convert Work Control Block Table**
C9002830	**System value object**
C90028C0	**Prepare SPCF job**
C90028C5	**Initialize system objects**
C9002910	**Start system logging**
C9002920	**Library and object information repository (OIR) cleanup**
C9002925	**Verify POSIX** root directories**
C9002930	**Database cross-reference**
C9002940	**Console configuration**
C9002950	**Install complex objects**
C9002960	**Sign on processing**
C9002965	**Software Management Services (SMS) initialization**
C9002967	**Applying PTFs**
C9002968	**IPL options**
C9002970	**Database recovery part 1, journal recovery part 1**
C9002973	**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	**This recovery step verifies the object recovery list performs any needed recovery for journals and journal receivers.**
C9002978	**This progress code displays after progress codes C9002A70 through C9002976 have been completed**
C9002980	**Storage requirements**
C9002990	**Performance adjustments**
C90029A0	**System control block**
C90029B0	**Spool initialization**
C90029C0	**Work control block table**
C9002A80	**Before starting system jobs**
C9002A85	**Bringing up POSIX SAG**
C9002A87	**POSIX SAG restart and signals initialization**
C9002A90	**Starting system jobs**
C9002A95	**Abnormal Work Control Block Table cleanup**
C9002AA0	**Damage notification**
C9002AA1	**This recovery step either rolls back or completes certain uncompleted database operations that were run under commitment control**

C9002AA2	**This recovery completes certain journal operations that were in progress when the system ended processing**
C9002AA3	**This recovery sends messages to QHST for database files that may have been damaged by a system end**
C9002AA4	**This progress code displays after progress codes C9002AA0 - C9002AA3 have been completed**
C9002AA5	**Integrated File System/New File System (NFS) directory recovery**
C9002AAC	**Integrated File System conversion**
C9002AB0	**Database recovery part 2**
C9002AC0	**Document Library Object (DLO) recovery**
C9002B10	**Establish event monitors**
C9002B30	**QLUS job**
C9002B40	**Device configuration**
C9002C10	**After system arbiter**
C9002C20	**SNADS recovery**
C9002C25	**ZMF component (Mail Enablement (OeDS) Framework) recovery**
C9002C40	**Work Control Block Table cleanup**
C9002CF0	**Reclaim storage**
C9002F00	**IPL complete**

Chapter 10. (CAxx) Partition Firmware Reference 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 **Process control now owned by partition firmware**

FRU List:
FWFLASH

CA000020 **Checking the firmware levels**

FRU List:
FWFLASH

CA000030 **Attempting to establish a communication link by using lpevents**

FRU List:
FWFLASH

CA000032 **Attempting to register lpevent queues**

FRU List:
FWFLASH

CA000034 **Attempting to exchange cap and allocate lpevents**

FRU List:
FWFLASH

CA000038 **Attempting to exchange virtual continue events**

FRU List:
FWFLASH

CA000040 **Attempting to obtain RTAS code lid details**

FRU List:
FWFLASH

CA000050 **Attempting to load RTAS firmware**

FRU List:
FWFLASH

CA000060 **Attempting to obtain open firmware details**

FRU List:
FWFLASH

CA000070 **Attempting to load open firmware**

FRU List:
FWFLASH

CA000080 **Preparing to start open firmware**

FRU List:
FWFLASH

CA000090 **Open firmware package corrupted (phase 1).**

FRU List:
FWFLASH

CA000091 **Attempting to load open firmware**

FRU List:
FWFLASH

CA0000A0 **Open firmware package corrupted (phase 2)**

FRU List:
FWFLASH

CA00D001 **PCI probe completed, create PCI bridge interrupt routing properties**

FRU List:
FWFLASH

CA00D002 **PCI adapter nvram hint created; system is rebooting**

FRU List:
FWFLASH

CA00D003 **PCI probing complete**

FRU List:
FWPCI5

CA00D004 **Start of install-console, loading GUI package**

FRU List:
FWFLASH

CA00D008 **Initialize console and flush queues**

FRU List:
FWFLASH

CA00D00C **The partition firmware is about to search for an NVRAM script.**

FRU List:
NEXTLVL

CA00D00D **Evaluating NVRAM script.**

FRU List:
FWFLASH

CA00D010 **First pass open firmware initialization complete; establish parameters for restart**

FRU List:
FWFLASH

CA00D011 **First pass open firmware initialization complete; control returned to initialization firmware**

FRU List:
FWFLASH

CA00D012 **Second pass open firmware initialization complete; control returned to initialization firmware**

FRU List:
FWFLASH

CA00D013 **Run-time open firmware initialization complete; control returned to initialization firmware**

FRU List:
FWFLASH

CA00D020 **The partition firmware is about to download and run the SLIC loader**

FRU List:
FWFLASH

CA00D021 **The partition firmware is about to download and run the I/O reporter to collect VPD**

FRU List:
FWFLASH

CA00E101 **Create RTAS node**

FRU List:
FWFLASH

CA00E102 **Load/initialize RTAS**

FRU List:
FWFLASH

CA00E105 **Transfer control to the operating system (normal boot)**

User response:
See Problems with loading and starting the operating system.

CA00E10A **Load RTAS device tree**

FRU List:
FWFLASH

CA00E10B **Set RTAS device properties**

FRU List:
FWFLASH

CA00E110 **Create the kdump properties**

FRU List:
FWFLASH

CA00E130 **Build device tree**

FRU List:
FWFLASH

CA00E131 **Create the root node properties**

FRU List:
FWFLASH

CA00E134 Create memory node

FRU List:
FWFLASH

CA00E135 Create HCA node

FRU List:
FWFLASH

CA00E136 Create BSR node

FRU List:
FWFLASH

CA00E137 Create HEA node

FRU List:
FWFLASH

CA00E138 Create options node

FRU List:
FWFLASH

CA00E139 Create aliases node and system aliases

FRU List:
FWFLASH

CA00E13A Create packages node

FRU List:
FWFLASH

CA00E13B Create HEA node

FRU List:
FWFLASH

CA00E13C Create HEA port node

FRU List:
FWFLASH

CA00E140 Loading the operating system

User response:
See ″Problems with loading and starting the operating system″

CA00E141 Synchronize the operating system bootlist to the management module bootlist

FRU List:
FWFLASH

CA00E142 Management module bootlist is being set from the operating system boot list

FRU List:
FWFLASH

CA00E143 Operating system bootlist is being set from the management module bootlist

FRU List:
FWFLASH

CA00E149 Create boot mgr node

FRU List:
FWFLASH

CA00E14C Create terminal emulator node

FRU List:
FWFLASH

CA00E14D Load boot image

User response:
See ″Problems with loading and starting the operating system″

CA00E150 Create host (primary) PCI controller node

FRU List:
FWFLASH

CA00E151 Probing PCI bus

FRU List:
FWPCI5

CA00E152 Probing for adapter FCODE; evaluate if present

FRU List:
FWPCI5

CA00E153 End adapter FCODE probing and evaluation

FRU List:
FWPCI5

CA00E154 Create PCI bridge node

FRU List:
FWPCI5

CA00E155 Probing PCI bridge secondary bus

CA00E156 Create plug-in PCI bridge node

FRU List:
FWPCI5

CA00E15B Transfer control to Operating System (service mode boot)

User response:
See ″Problems with loading and starting the operating system″

CA00E15F Adapter VPD evaluation

FRU List:
FWPCI5

CA00E170 Start of PCI BUS probe

FRU List:
FWPCI5

CA00E172 First pass PCI device probe

FRU List:
FWPCI5

CA00E174 Establishing host connection

FRU List:
FWHOST

CA00E175 BootP request

FRU List:
FWHOST

CA00E176 TFTP file transfer

User response:
See ″Problems with loading and starting the operating system″

CA00E177 Transfer failure due to TFTP error condtion

User response:
See ″Problems with loading and starting the operating system″

CA00E178 Initiating TFTP file transfer

Servicer 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 Closing BOOTP

Servicer 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 Processor clock speed measurement

FRU List:
NEXTLVL

CA00E198 Rebooting partition to enact changes specified in ibm,client-archtiecture-support.

User response:
See ″Problems with loading and starting the operating system″

CA00E199 The partition is rebooting to enact changes that were specified the ELF header of the boot image.

User response:
See ″Problems with loading and starting the operating system″

CA00E19A NVRAM auto-boot? variable not found - assume FALSE

FRU List:
FWFLASH

CA00E19B NVRAM menu? variable not found - assume FALSE

FRU List:
FWFLASH

CA00E19D Create NVRAM node

FRU List:
FWFLASH

CA00E1A0 **User requested boot to SMS menus by using keyboard entry**

FRU List:
FWFLASH

CA00E1A1 **User requested boot to open firmware prompt by using keyboard entry**

FRU List:
FWFLASH

CA00E1A2 **User requested boot using default service mode boot list by using keyboard entry**

FRU List:
FWFLASH

CA00E1A3 **User requested boot using customized service mode boot list by using keyboard entry**

FRU List:
FWFLASH

CA00E1A4 **User requested boot to SMS menus by using the Hardware Management Console or a service processor command**

FRU List:
FWFLASH

CA00E1A5 **User requested boot to open firmware prompt by using the HMC or a service processor command**

FRU List:
FWFLASH

CA00E1A6 **User requested boot using default service mode boot list by using the HMC or a service processor command**

FRU List:
FWFLASH

CA00E1A7 **User requested boot using customized service mode boot list by using the HMC or a service processor command.**

FRU List:
FWFLASH

CA00E1AA **System boot check for NVRAM Settings**

FRU List:
FWFLASH

CA00E1AB **System booting using the default service mode boot list**

FRU List:
FWFLASH

CA00E1AC **System booting using the customized service mode boot list**

FRU List:
FWFLASH

CA00E1AD **System booting to the operating system**

FRU List:
FWFLASH

CA00E1AE **System booted to SMS multiboot menu by using NVRAM settings**

FRU List:
FWMBOOT

CA00E1AF **System booted to SMS utilities menu by using NVRAM settings**

FRU List:
FWFLASH

CA00E1B1 **System booting with HMC or hosting-partition directed boot-device repair**

FRU List:
FWFLASH

CA00E1B2 **XOFF received, waiting for XON**

FRU List:
FWVTHMC

CA00E1B3 **XON received**

User response:
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.

FRU List:
FWPCI5

CA00E1B4 **HMC or hosting-partition directed boot-string did not load an operating system repair**

FRU List:
NEXTLVL

CA00E1B5 Checking for iSCSI disk aliases

FRU List:
FWPCI5

CA00E1D0 Create PCI SCSI node

FRU List:
FWPCI5

CA00E1D3 Create SCSI block device node (SD)

FRU List:
FWPCI5

CA00E1D4 Create SCSI byte device node (ST)

FRU List:
FWPCI5

CA00E1DC Dynamic console selection

FRU List:
FWCONS

CA00E1DD A graphics adapter was selected as the firmware console, but the USB keyboard is not attached.

User response:
Ensure that a USB keyboard is attached to a USB port that is assigned to the partition.

FRU List:
FWCONS

CA00E1F0 Start out-of-box experience

FRU List:
FWFLASH

CA00E1F1 Start selftest sequence on one or more devices

FRU List:
FWFLASH

CA00E1F5 Build boot device list

User response:

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 Determine boot device sequence

FRU List:
FWFLASH

CA00E1F7 Boot invalid or stopped

User response:
See ″Problems with loading and starting the operating system″

CA00E1F8 Build boot device list for SCSI adapters (displays the location code of the SCSI adapter being scanned)

FRU List:
FWPCI5

CA00E1F9 Build boot device list for Fibre Channel adapters (displays the location of the SAN adapter being scanned)

FRU List:
FWPCI5

CA00E1FA Building device list for SCSI adapters (displays the device ID and device LUN of the devices being scanned)

FRU List:
FWPCI5

CA00E1FB Scan SCSI bus for attached devices

FRU List:
FWSCSIH

CA00E1FC Build boot device list for SSA adapters (displays the location code of the SSA adapter being scanned)

FRU List:
FWPCI5

CA00E1FE Building device list for Fibre Channel (SAN) adapters (displays the WWPN of the fibre-channel adapter being scanned)

User response:

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

User response:

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 **Validate NVRAM, initialize partitions as needed**

FRU List:
FWFLASH

CA00E441 **Generate /options node NVRAM configuration variable properties**

FRU List:
FWFLASH

CA00E442 **Validate NVRAM partitions**

FRU List:
FWFLASH

CA00E443 **Generate NVRAM configuration variable dictionary words**

User response:
Suspect a system firmware problem if the problem persists.

FRU List:
FWFLASH

CA00E444 **NVRAM size is less than 8K bytes**

FRU List:
FWFLASH

CA00E701 **Create memory VPD**

FRU List:
FWFLASH

CA00E800 **Initialize gdata for the control (operator) panel**

FRU List:
FWFLASH

CA00E820 **Initializing lpevent**

FRU List:
FWFLASH

CA00E830 **Initializing event scan**

FRU List:
FWFLASH

CA00E840 **Initializing hot plug**

FRU List:
FWFLASH

CA00E843 **Initializing interface/aix access**

FRU List:
FWFLASH

CA00E850 **Initializing dynamic reconfiguration**

FRU List:
FWFLASH

CA00E860 **Initializing sensors**

FRU List:
FWFLASH

CA00E865 **Initializing VPD**

FRU List:
FWFLASH

CA00E870 **Initializing pfds memory manager**

FRU List:
FWFLASH

CA00E875 **Initializing rtas_last_error**

FRU List:
FWFLASH

CA00E876 **Initializing rtas_error_inject**

FRU List:
FWFLASH

CA00E877 **Initialize dump interface**

FRU List:
FWFLASH

CA00E879 **Initialize the platform-assisted kdump interface**

FRU List:
FWFLASH

CA00E880 **The firmware version is being sent to the hypervisor.**

FRU List:
FWFLASH

CA00E885 **Initializing set-power-level**

FRU List:
FWFLASH

CA00E886 **Initializing exit2c**

FRU List:
FWFLASH

CA00E887 **Initialize gdata for activate_firmare**

FRU List:
FWFLASH

CA00E890 **Starting to initialize open firmware**

FRU List:
FWFLASH

CA00E891 **Finished initializing open firmware**

FRU List:
FWFLASH

CA00E8A0 **The pinned page manager is being initialized.**

FRU List:
FWFLASH

CA00EAA1 **Probe PCI-PCI bridge bus**

FRU List:
FWPCI5

CA060203 **An alias was modified or created**

FRU List:
FWFLASH

CA26FFFF **An extended amount of time was required while waiting for lpevent to complete.**

FRU List:
FWFLASH

CA26ttss **Waiting for lpevent of type tt and subtype ss**

FRU List:
FWFLASH

CA279001 **The firmware update image contains an update module that is not present in the current image.**

Servicer:
Look at the error logs for an error with the format BA27xxxx.

- If found, resolve the BA27xxxx error, then retry the firmware update.
- If not found, obtain a new copy of the firmware update image and retry the firmware update.

CA2799FD **The service processor is receiving a server firmware update module**

User response:
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 **The service processor is writing a server firmware update module.**

User response:
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.

Chapter 11. (CF00) Linux Kernel Progress Codes

(CF00) xxxx Linux® kernel boot progress codes

CF000012 Set up initialization

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

CF000015 Set up is complete

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

CF000020 External interrupt controller server initialization

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

CF000021 External interrupt controller server complete

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

CF000100 Memory manager initialization

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

Chapter 12. (D1xx) Service processor dump status codes

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 Dump error data

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1011xxx Dump sai_header Hardware Management Console (HMC) file

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D101C00F No power off to allow debugging for CPU controls

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1021xxx Dump sai_header directory

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1031xxx Dump sai_header fips header

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1041xxx Dump sai_header entry header

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1051xxx Dump core file for failing component

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1061xxx Dump all NVRAM

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1071xxx Dump component trace for failing component

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1081xxx Dump component data from /opt/p0

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1091xxx Dump /opt/p1//*

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1111xxx Dump /opt/p0/*

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1121xxx Dump /opt/p1/*

Servicer Response:

Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1131xxx Dump all traces

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1141xxx Dump code version

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1151xxx Dump all /opt/p3 except rtbl

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1161xxx Dump pddcustomize -r command

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1171xxx Dump registry -l command

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1181xxx Dump all /core/core.* files

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1191xxx Dump BDMP component trace (after dump if enough space)

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11A1xxx Dump any state information before dumping starts

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11B1xxx Dump /proc filesystem.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11C1xxx Dump mounted filesystem statistics.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D11D1xxx Dump environment.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1231xxx Dump update dump headers

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1241xxx Dump CRC1 calculation off

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1251xxx Dump CRC1 calculation on

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1261xxx Dump CRC2 calculation off

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1271xxx Dump CRC2 calculation on

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1281xxx Dump output the calculated CRC1 (sai_headers)

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1291xxx Dump output the calculated CRC2 (data and data headers)

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12A1xxx Jump to the position in dump directly after CRC1

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12B1xxx Initialize the headers dump time and serial numbers

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12C1xxx Display final SRC to panel

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12D1xxx Remove /core/core.app.time.pid

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12E1xxx Remove /core/core.*

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D12F1xxx Display beginning SRC to panel

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1301xxx Turn off error log capture into dump

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1311xxx Turn on error log capture into dump

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1321xxx Store information about existing core files

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1381xxx Invalidate the dump

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1391xxx Check for valid dump sequence

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13A1xxx Get dump identity sequence

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D13B1xxx Get dump length sequence

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1FF1xxx Dump complete

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 13. (D1xx) Service processor status progress codes

D1xx reference codes, posted by the service processor, offer information about the state of the service processor during a power-off operation.

D1xx900C Breakpoint set in CPU controls has been hit

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xxB0FF Request to initiate power-off program has been sent

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xxC000 Indicates a message is ready to send to the server firmware to power off

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xxC001 Waiting for the server firmware to acknowledge the delayed power off notification

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xxC002 Waiting for the server firmware to send the power off message

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xxC003 Server firmware handshaking is complete

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

Chapter 14. (D1xx) Platform dump status codes

Platform dump status codes

Platform dump status codes use the format of D1xx 3yzz, 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 Get SCOM.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y02 Get scan ring.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y03 Get array values.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y04 Stop the clocks.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y05 Flush the cache.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y06 Get CFAM.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y07 Put SCOM.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y08 Send command.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y09 Get optimized cache.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y0A Get GP register.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y0B Processor clean-up.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y0C Get JTAG register.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3y0D Stop clocks without quiescing.

Servicer Response:

Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3yF0 Memory collection set-up.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3yF1 Memory collection DMA step.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

D1xx3yF2 Memory collection cleanup.

Servicer Response:
Perform isolation procedure FSPSPD1. To locate the isolation procedure go to the Isolation Procedures chapter in your host server Service Guide.

(D200) Partition status progress codes

D200 xxxx SRCs are posted by the Virtual Service Processor (VSP) when powering down a partition.

D200A100 Received MSD SP attention

D200A110 Received CPM SP attention

D200A120 Received LL SP attention

D200A130 Received RPA end-of-life event

D200A200 Begin partition power down. SRC word 3 contains the reason for the power off.

User response:
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 Begin transfer slot locks to VSP

D200B05F End transfer slot locks to VSP

D200B060 Begin transfer VIO slot locks to VSP

D200B06F End transfer VIO slot locks to VSP

D200B070 Begin reset slots

D200B077 Waiting for reset slots

D200B07F End reset slots

D200B080 Begin reset VIO slots

D200B08F End reset VIO slots

D200B090 Begin soft POR slots

D200B097 Waiting soft POR slots

D200B09F End soft POR slots

D200B100 Sending Hypervisor reset

D200B1FF Hypervisor reset successfully sent

D200B200 Begin forced LP reset (after the 1 second timeout)

D200B210 Send CSP/FSP soft processor reset command (word 3 processor ID, word 4 thread ID)

D200B2FF End forced LP reset

D200B300 Closing Hypervisor events paths

D200B310 Deactivating panel functions

D200B3FF Hypervisor reset complete successfully

D200C100 Sending Hypervisor I/O reset

D200C1FF Hypervisor I/O reset sent successfully

D200C200	**Deallocating events**
D200C2FF	**Hypervisor I/O reset complete successfully**
D200D100	**Removing partition configuration resources**
D200D1FF	**Partition resources removed successfully**
D200E050	**Begin power off slots**
D200E057	**Waiting power off slots**
D200E05F	**End power off slots**
D200E060	**Begin power off VIO slots**
D200E06F	**End power off VIO slots**
D200E080	**Begin release slot locks**
D200E08F	**End release slot locks**
D200E090	**Begin release VIO slot locks**
D200E09F	**End release VIO slot locks**
D200E0A0	**Begin unassociate of system ports**
D200E0A8	**Unassociate system ports from an RPA partition**
D200E0AF	**End unassociate of system ports**
D200E100	**Power off SPCN racks**
D200E110	**Issuing a rack power off command**
D200E120	**Rack power off command complete successfully**
D200E1FF	**SPCN racks powered off phase complete**

(D6xx) General status progress codes

The following list contains general status progress codes with a format of D6xx xxxx in numeric order. The xx after D6 in each progress code represents two hexadecimal numbers that further define the progress code.

D6xx0298	**Managed system power down started**
D6xx0299	**Managed system power down status**
D6xx0483	**Power failed; delay timer is running**
D6xx0484	**MI run in progress**
D6xx430A	**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.**

User response:
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	**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.**

User response:
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	**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).**

User response:
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	**Managed system power down status; attempting to delete information from the disk subsystem cache**
D6xx5501	**Managed system power down status; indicates that the information from the disk subsystem cache was deleted successfully**

D6xx5502	**Managed system power down status; indicates that the system failed to delete information from the disk subsystem cache**
D6xx5503	**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	**Power off immediate**
D9002750	**All subsystems ended**
D9002760	**Device configuration shutdown**
D9002770	**QLUS job ending**
D9002780	**Close database cross-reference files**
D9002790	**QSYSARB job ending**
D90027C0	**System jobs are ending**

Appendix. Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products successfully.

The following list includes the major accessibility features:

- Keyboard-only operation
- Interfaces that are commonly used by screen readers
- Keys that are tactilely discernible and do not activate just by touching them
- Industry-standard devices for ports and connectors
- The attachment of alternative input and output devices

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Industry Canada Compliance Statement

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Avis de conformité à la réglementation d'Industrie Canada

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European Community contact:
IBM Technical Regulations
Pascalstr. 100, Stuttgart, Germany 70569
Tele: 0049 (0)711 785 1176
Fax: 0049 (0)711 785 1283
E-mail: tjahn@de.ibm.com

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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
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Verantwortlich für die Konformitätserklärung nach des EMVG ist die IBM Deutschland GmbH, 70548 Stuttgart.

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